



Kwantlen Polytechnic University

University Calendar 2014/2015

kpu.ca





How To Apply

- 1:** Refer to the online calendar at kpu.ca/calendar to choose your program.
- 2:** Refer to the online Admissions Guide at kpu.ca/admission so you are aware of application deadlines, required documentation, and other important information about the admission process.
- 3:** Apply online at kpu.ca/apply and expect to hear from us soon!

Note: payment of the application fee is required at the time of application in order for your application to proceed.

Semester	Application Start Dates	First Application Deadline*
Fall (Sep)	Nov 1	Mar 31
Spring (Jan)	Mar 1	Jul 31
Summer (May)	Jul 1	Nov 30

Further Application Deadlines

Open admission programs have later application deadline dates and many programs have extended application deadline dates. For more details and specific deadline dates visit kpu.ca/admission.

All dates are subject to change without notice. Application start or end dates that fall on a weekend or holiday, will be extended to the next business day.

*Selective entry programs only.

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In the event of a discrepancy between this document and the official KPU 2014-15 Calendar (available at www.kpu.ca/calendar/2014-15), the official calendar shall be deemed correct.

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In the event of a discrepancy between this document and the official KPU 2014-15 Calendar (available at www.kpu.ca/calendar/2014-15), the official calendar shall be deemed correct.

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Academic Schedule

SESSION DATES FOR NON-SEMESTER-BASED PROGRAMS

Some vocational and trades programs may start or end on dates that do not coincide with semester-based programs. Please contact the appropriate department for more information.

SESSION DATES FOR FALL 2014

Full Semester

Classes Start	Tuesday, September 2, 2014
Deadline to Register	Monday, September 8, 2014
Course Withdrawal Deadline	Tuesday, October 28, 2014
Classes End	Monday, December 8, 2014
Final Exam Period	Wednesday, December 10, 2014 through Saturday, December 20, 2014
All Grades Submitted*	Monday, December 29, 2014

Interession Dates

	Session One	Session Two
Classes Start	Tuesday, September 02, 2014	Monday, October 27, 2014
Deadline to Register	Wednesday, September 03, 2014	Tuesday, October 28, 2014
Course Withdrawal Deadline	Tuesday, September 30, 2014	Monday, November 24, 2014
Classes End	Tuesday, October 21, 2014	Monday, December 15, 2014
Final Exam Period	Thursday, Oct 23 through Saturday, Oct 25, 2014	Wednesday, Dec 17 through Friday, Dec 19, 2014
All Grades Submitted*	Wednesday, October 29, 2014	Monday, December 29, 2014

SESSION DATES FOR SPRING 2015

Full Semester

Classes Start	Monday, January 5, 2015
Deadline to Register	Sunday, January 11, 2015
Reading Break	Monday, February 23, 2015 through Saturday, February 28, 2015
Course Withdrawal Deadline	Monday, March 2, 2015

Classes End	Monday, April 20, 2015
Final Exam Period	Wednesday, April 22, 2015 through Saturday, May 02, 2015
All Grades Submitted*	Wednesday, May 06, 2015

Interession Dates

	Session One	Session Two
Classes Start	Monday, January 05, 2015	Monday, March 09, 2015
Deadline to Register	Tuesday, January 06, 2015	Tuesday, March 10, 2015
Course Withdrawal Deadline	Monday, February 02, 2015	Monday, April 06, 2015
Classes End	Monday, February 23, 2015	Tuesday, April 28, 2015
Final Exam Period	Wednesday, Feb 25 through Friday, Feb 27, 2015	Thursday, Apr 30 through Saturday, May 02, 2015
All Grades Submitted*	Wednesday, March 04, 2015	Wednesday, May 06, 2015

SESSION DATES FOR SUMMER 2015

Full Semester

Classes Start	Monday, May 11, 2015
Deadline to Register	Sunday, May 17, 2015
Course Withdrawal Deadline	Monday, July 06, 2015
Classes End	Monday, August 17, 2015
Final Exam Period	Wednesday, August 19, 2015 through Saturday, August 29, 2015
All Grades Submitted*	Wednesday, September 02, 2015

Interession Dates

	Session One	Session Two
Classes Start	Monday, May 11, 2015	Monday, July 06, 2015
Deadline to Register	Tuesday, May 12, 2015	Tuesday, July 07, 2015
Course Withdrawal Deadline	Monday, June 08, 2015	Tuesday, August 04, 2015
Classes End	Monday, June 29, 2015	Tuesday, August 25, 2015
Final Exam Period	Thursday, Jul 02 through	Thursday, Aug 27 through

Saturday, Jul 04,
2015

Saturday, Aug 29,
2015

**All Grades
Submitted***

Wednesday, July 08,
2015

Wednesday,
September 02, 2015

* **Note:** Faculty grade submission deadlines are defined in *Policy B.4 - Final Examinations and Grade Reporting for Courses* - normally by the end of the third working day after the last exam or class. Students can normally access grades one business day after faculty submit them.

CONVOCATION DATES

Fall ceremonies Thursday, October 2 and Friday, October 3,
2014

**Spring
ceremonies** Wednesday, May 20, 2015 through Friday,
May 22, 2015

For more information about convocation, see kpu.ca/convocation.

Introduction

Welcome to KPU

Welcome to Kwantlen Polytechnic University (KPU), a premier public post-secondary institution located in British Columbia, Canada. KPU provides a complete undergraduate university experience. We are a medium-sized university with a headcount enrolment of over 17,000 students in 2013. Primarily a teaching institution with faculty who hold research and scholarship expertise in recognized academic disciplines, we hire faculty for their ability to teach and inspire, and for their commitment to student-centered education. We are responsive to the needs of our communities – providing relevant education for all who are prepared to learn. KPU's undergraduate experience is one that challenges and inspires, encouraging those who apply themselves to excel and succeed. We intentionally integrate our program offerings, allowing our students to bridge between citations, certificates, diplomas and degrees as their skills and interests develop. Come explore your options, and join our award-winning group of students, faculty and graduates. Experience undergraduate teaching at its best!

This is the KPU annual academic calendar for 2014-15. It includes information on academic programs, credentials (diplomas and degrees), admission, cost to attend, registration, graduation, courses, student life, and regulations. The on-line version is the official calendar, and it supersedes any printed version. Please use it as a reference guide and as an official document for policies and regulations at KPU.

OUR PROGRAM FOCUS

As a polytechnic university, we are committed to offering programs that provide a hands-on education for our students. We know that getting an education is about growing as a person, and we know that a big part of that growth is acquiring the skills and gaining the understanding necessary for career success. KPU offers a comprehensive range of programs: liberal arts and science, technology and professional, trades and apprenticeship, and pre-university and developmental. Our programs are purposefully integrated, providing pathways that extend from high school through degree completion. You can gain real-world success through experiences inside and outside the classroom. Our programs are for students with diverse backgrounds, interests and abilities who are looking for a learning environment that supports personal and professional growth. That's why we go to extraordinary lengths to provide you with a flexible, personalized and relevant education.

OUR COMMITMENT TO STUDENTS

KPU is a university focused on undergraduate students. We know that students today face all manner of challenges, and that each individual has a unique set of needs and ambitions. KPU recognizes its responsibility to allow every student to flourish, each in his or her own way. Our aim is to be accessible to everyone that has the desire and ability to learn, and the willingness to work, by creating flexible programs that work for our students. If you want a successful future, KPU is the university for you. As a KPU graduate, you'll be a highly skilled, confident individual ready to make the most of your education. Over 250,000 people have chosen KPU. We invite you to be part of the excitement. Enroll and discover the KPU formula for success.

OUR FACULTY

At KPU, our faculty believe in a hands-on approach to teaching where student learning comes first. They are authorities in their fields and passionate professionals who love to share ideas and teach the skills and knowledge you need for career success. Our smaller classes and career-focused programs are designed to fit with your schedule. The maximum class size is 35 students. This allows faculty to provide an individualized education. We are here to help you succeed. KPU's focus is on you - the student.

Our History

A brief history of KPU indicates a transition from a community college to a university in a short span of almost 40 years. Our history began in 1972 when we were known as Douglas College. Kwantlen College split from Douglas College in 1981 and became a self-standing college. By 1995, Kwantlen was established as a university college with degree-granting status. In 2008, Kwantlen University College was re-designated as a regional university with a bicameral governance structure. Premier Gordon Campbell announced the new name, Kwantlen Polytechnic University, KPU.

Today KPU serves not only regional communities, but is also committed to enhancing its reputation across Canada and internationally. The University actively recruits Canadian as well as international students and prepares them to live and work in an increasingly global context. KPU is comprised of four distinct campuses in the Vancouver metro area. The two governing bodies of the University — the Senate and the Board of Governors — provide leadership for this process, for which principles of academic freedom, transparency and collegiality are foundational.

OUR UNIQUE HERITAGE

KPU serves a South Fraser River Region of vast size and diversity, and is located in the shared traditional territories of the Kwantlen, Katzie, Semiahmoo, and Tsawwassen First Nations.

Kwantlen Polytechnic University is named after the Kwantlen First Nation of the Coast Salish People, who are based in Fort Langley. Over their history, the Kwantlen People have been respected throughout the Lower Fraser River Region as Ancient Messengers—Tireless Runners. The ethos of the Kwantlen People is reflected in the motto of Kwantlen Polytechnic University: "through tireless effort, knowledge, and understanding." Additionally, the representation of the wolf and the salmon, which comprise the art work in the centre of KPU's Coat of Arms, was created by Brandon Gabriel, former Fine Arts student at KPU and nephew of the hereditary Chief of the Kwantlen People, Chief Marilyn Gabriel.

The image represents the cycle of life for all the inhabitants of the Lower Fraser River Region. As a further indication of the mutual respect between the University and the First Nation whose name we share, the Chief of the Kwantlen First Nation has conferred the title and responsibility of *Sí:yá:m* (Leader) on the Chancellor and President & Vice Chancellor of Kwantlen Polytechnic University.

Mission & Mandate

KPU offers all learners opportunities to achieve success in a diverse range of programs that blend theory and practice, critical

understanding, and social and ethical awareness necessary for good citizenship and rewarding careers.

WHO WE ARE

KPU is British Columbia's Polytechnic University. As a leader in innovative and interdisciplinary education, we offer all learners, regardless of background and preparation, opportunities to achieve the highest standards of academic performance. Our many programs of study provide applied learning and broad-based university education. Our relevant, engaging, and inclusive environment facilitates personal and professional development. Critical awareness, cultural sensitivity, and social responsibility are all foundational to our commitment. We provide accessible and outstanding scholarship to prepare our learners for a complex world. We value scholarship as a socially relevant obligation and opportunity. We support multiple approaches to research and innovation to address community, industry, and market needs. Community engagement is the manner in which we demonstrate our commitment to the social value of the University. Our approach to teaching and learning is based on mentorship, discovery, purposefulness, and learner autonomy. Our faculty demonstrates an authentic spirit of inquiry as a model for learners. In turn, learners engage with a teaching environment that is collaborative, innovative, creative, and respectful. Our University culture is based on critical inquiry, collegial debate, knowledge generation, freedom of expression, diversity, and environmental stewardship and sustainability. Yet, we go further by recognizing the necessary integration of these principles as our foundation and our purpose.

WHAT WE DO

We support a dynamic educational community that embraces emerging and experimental teaching methods and research-driven pedagogy. We create a culture that is learner-focused, academically rigorous, innovative, interdisciplinary, and socially responsible. We respect the academic freedom of learners, faculty, and staff as foundational to the pursuit of knowledge. We recognize that all members of the University community are responsible for exercising their freedoms with honesty, integrity, and respect for the principles of justice, equality, and human rights.

Access

KPU's history and purpose as a polytechnic institution integrates college, trades, and university experiences. We respond to community, regional, industry, and market needs through a distinctive variety of programs, research initiatives, and community partnerships. Transition programs, multiple entry points, international education, and bridging opportunities demonstrate our commitment to accessible lifelong learning across a broad range of educational options. We view access to education as the pathway to citizenship.

Scholarship

We encourage faculty and learners to participate in many forms of knowledge generation and research, including those focused on discovery, creativity, application, and teaching. We honour and reward scholarship that involves learners and the broader community in research design, development, and dissemination.

Community

We recognize and respond to challenges and opportunities within the dynamic communities of the Fraser region of British Columbia. We promote leadership by developing and supporting community-based initiatives that address economic, social, and

cultural issues within an increasingly global context. Synergies among various groups are developed and sustained through complementary cultures and practices that encourage autonomy, adaptability, collegiality, service, and excellence.

Mentorship

We provide and promote a learning environment in which learners examine and develop their values, goals, and character through the integration of personal, academic, and professional inquiry. We encourage lifelong learning and a continuing relationship with the University. We expose learners to workplace experiences, offer programs in continuing education, and provide educational opportunities for those seeking career change or development.

Stewardship

Through program delivery, services, and research initiatives, we aspire to inform and transform attitudes and values to reflect our role as a responsible and sustainable educational institution. Our health and our achievements derive from, and depend upon, the health of the Earth and its inhabitants.

Our Vision

VISION 2018

Mission

KPU offers all learners opportunities to achieve success in a diverse range of programs that blend theory and practice, critical understanding, and social and ethical awareness necessary for good citizenship and rewarding careers.

Vision

In 2018, KPU is Canada's leading polytechnic university, with

- Inspiring educators
- All learners engaging in campus and community life
- Open and creative learning environments
- Relevant scholarship and research
- Authentic external and internal relationships

Values

- Synergistic community relationships
- Supportive and collaborative learning and working environments
- Scholarship of discovery, creativity, integration, application, and teaching
- Rich learner experiences and a vibrant campus life
- Responsible stewardship of resources
- Multiple ways of knowing
- Excellence and innovation
- Diversity and inclusion
- Continuous personal and professional enrichment
- Access and flexibility
- Academic freedom

Goals and Strategies



The KPU Experience

At KPU, we create an exceptional academic environment that challenges and inspires students and faculty through a dedicated focus on teaching. We believe in this goal because we understand that comprehensive education is a cornerstone of a strong and healthy economy and civil society. KPU is committed to preparing students for leadership, professional success and service to the broader community by developing degrees, diplomas, certificates and citations that are recognized by business, industry and other universities. We offer you an exceptional academic environment because we deliver more than academics. Our campus life encompasses the social, athletic and service-oriented experiences that are vital to your personal growth and learning. On our campuses, you'll discover a social atmosphere that reinforces our focus on student-centered teaching and collaboration with faculty. We challenge our students to excel and provide them with comprehensive options that will ensure their success—in education, as professionals and as community members.

OUR FOCUS

Student learning comes first. Small class sizes (never more than 35 students) ensure interaction and meaningful communication with faculty and other students. And with classes designed to fit your schedule, and programs designed to accommodate your aspirations, we give you the freedom to decide the timing and pace of your education.

ENGAGED FACULTY

One of the most significant factors in your education is who you learn from. KPU Faculty are award-winning and passionate professionals who love to share ideas, and teach the skills and knowledge you need for career success: They do this by maintaining extremely active in their fields through scholarship, research, professional development and industry experience.

SUPERB FACILITIES

- Science labs with access to industry-standard equipment such as optical microscopes, centrifuges, incubators, assorted spectrometers and environment chambers
- State-of-the-art graphic design computer labs
- Psychology and health labs equipped for computer simulation exercises and research studies
- Horticulture field lab with gardens and beds representing a full range of maintenance levels found in residential and commercial landscapes
- Visual arts studios that accommodate many specialties including painting and ceramics
- Ultra-modern auditorium with exceptional acoustics for rehearsals and concert performances
- Interior design studios for production and project development
- Automotive training facilities equipped to handle all facets of automotive diagnostics and repair
- Public safety communications lab equipped with provincially-mandated PRIME-BC computer-aided dispatch application software

KPU is simply one of the best places to gain the clear and decisive advantage required for success in a highly competitive workplace and our rapidly changing world.

Institutional Authority

The Province of British Columbia, through the authority of the Ministry of Advanced Education, has vested joint stewardship of the university in the Board of Governors and the Faculty Senate, a bicameral governance structure. The leadership and administration of the university are mandated to the Chancellor and the President and Vice Chancellor. Those reporting to the President and Vice Chancellor are:

- Provost & Vice President, Academic
- Vice President, Finance & Administration
- Chief Advancement Officer
- General Counsel
- Director, Communications and Marketing Services
- Director, Institutional Analysis and Planning
- Confidential Assistant

The Provost & Vice President, Academic is responsible for the following offices:

- Deputy Provost & Associate Vice President, Academic
- Deans: Faculties of Academic & Career Advancement, Arts, Business, Community & Health Studies, Design, Science & Horticulture, Trades & Technology
- Vice Provost, Students
- Vice Provost, Teaching & Learning
- Associate Vice President, Office of Research & Scholarship
- Associate Vice President, International
- University Registrar
- University Librarian
- Director, Institutional Analysis & Planning

The Vice President, Finance & Administration is responsible for the following offices:

- Associate Vice President, Human Resource Services
- Chief Information Officer, IET
- Executive Director, Finance
- Executive Director, Facilities

The Chief Advancement Officer is responsible for the following areas:

- KPU Foundation
- KPU Alumni Association
- Fundraising
- Alumni Affairs
- External Relations
- Government Affairs

General Campus Information

General Campus Information

In this section, you will find:

- General Campus Information
- Campus Locations & Contact Information
- Campus Hours of Operation
- Parking
- Lost & Found
- Bookstore
- First Aid
- Safety and Security
- IT Resources for Students

Campus Locations & Contact Information

MAILING ADDRESS

Kwantlen Polytechnic University
12666 72nd Ave
Surrey, B.C.
V3W2M8

GENERAL INQUIRIES

Telephone: 604.599.2000
Facilities: facilities@kpu.ca

KPU SURREY

Surrey Campus
12666–72nd Avenue
Surrey, B.C.
[t] 604.599.2000
[f] 604.599.2086

Surrey Campus Information (kpu.ca/about/campus_info/surrey_campus)

KPU RICHMOND

Richmond Campus
8771 Lansdowne Road
Richmond B.C.
[t] 604.599.2000
[f] 604.599.2736

Richmond Campus Information (kpu.ca/about/campus_info/richmond_campus)

KPU LANGLEY

Langley Campus
20901 Langley Bypass
Langley, BC
[t] 604.599.2000

[f] 604.599.3427

Langley Campus Information (kpu.ca/about/campus_info/langley_campus)

KPU TECH

Cloverdale Campus
5500 - 180th Street
Cloverdale, BC
[t] 604.599.2000
[f] 604.598.6005

Cloverdale Campus Information (kpu.ca/cloverdale)

To arrange a campus tour, contact the Future Student Office (kpu.ca/futurestudents)

Campus Hours of Operation

CAMPUS HOURS

	Monday to Friday Hours	Saturday Hours	Sundays
Cloverdale:	7:30 AM - 10:30 PM	8:00 AM - 4:00 PM	Closed
Langley:	7:30 AM - 10:30 PM	8:00 AM - 4:00 PM	Closed
Richmond:	7:30 AM - 10:30 PM	8:00 AM - 4:00 PM	1:00 PM - 5:00 PM Library only
Surrey:	7:30 AM - 10:30 PM	8:00 AM - 5:00 PM	1:00 PM - 5:00 PM Library only

CAMPUS OFFICE HOURS:

8:30 AM – 4:30 PM

Note: Some offices have different hours, please consult their web page

STATUTORY HOLIDAYS

All campuses are closed on following holidays:

- Good Friday
- Easter Monday
- Victoria Day
- Canada Day
- British Columbia Day
- Labour Day
- Thanksgiving
- Remembrance Day
- Christmas Eve
- Christmas Day
- Boxing Day
- New Year's Eve
- New Year's Day

■ Family Day

All campuses will be closed when a statutory holiday falls on a Saturday.

Parking

KPU campuses are located in residential areas with limited parking. We encourage the KPU community to carpool, take transit, ride a bike or walk to KPU.

PARKING INFORMATION

Pay parking is in effect at all KPU campuses 24 hours a day, seven days a week. Vehicles are authorized to park in designated parking stalls only. Students have the option to purchase parking in weekly e-permits or daily passes. Visitor stalls are available for short term parking up to 1-1/2 hours.

Please check the KPU's parking website (kpu.ca/parking) for current Parking Rates and additional information regarding Campus Parking Maps, Carpooling, Campus Shuttle Service and the U-Pass BC Transit Program.

DISABLED PARKING

Persons with mobility impairment and displaying a valid Disabled Persons' Parking (SPARC) permit may park in any stall, except 'Visitor', and payment is not required. Abuse of SPARC Permit regulations is covered under the Motor Vehicle Act.

Note: A KPU Disabled Parking Temporary Permit is available to accommodate mobility impaired individuals in the interim as they await their SPARC Permit. The intent is to conform to the SPARC requirements. An application for a temporary permit is available at the Services for Students with Disabilities Office.

The Disabled Parking Temporary Permit is to be approved and issued only by the Services for Students with Disabilities office. The Temporary Permit is invalid unless expiry date and authorized name and signature are clearly displayed. If special parking arrangements are required to accommodate the individual please contact the campus Disability Advisor through the Counselling office.

FREE OVERFLOW PARKING

KPU, in partnership with the City of Surrey Parks, Recreation, and Culture, has arranged for free overflow parking for the Surrey Campus at the Newton Athletic Park. The Newton Athletic Park is located two blocks north of the campus on 128th Street and is available between 7:30 AM - 4:30 PM Monday to Friday.

TRANSIT INFORMATION

For information on transit to or from any of our campuses please contact the TransLink information line at 604.953.3333 or visit the Translink website (www.translink.bc.ca).

Lost & Found

Campus Lost and Found is located at the Security Office at each campus:

Cloverdale:	Room 1710
Langley:	Room 1632
Richmond:	Room 1630

Surrey: Birch B102

Place found items in drop slot, or turn in to Security. Kwantlen Polytechnic University assumes no responsibility for lost or stolen personal property.

Bookstore

The KPU Bookstores offer students a variety of textbook options: New, Used, Ebook and Rental. We also offer course related materials, crested clothing and giftware, and much more.

The Bookstore maintains a complete booklist of the required and optional texts, up to eight weeks before the start of classes. For your booklist visit the Personalized Booklist menu item on the KPU Bookstore web page. Print a copy and bring it with you so our staff can ensure you get the correct materials required for your courses.

Our team of friendly and knowledgeable staff provide you with the best in customer care. Drop into any of our locations to experience the KPU Bookstore difference. We can help you Consider, Compare and Choose

Check our website for information about store locations and hours, buyback, returns policy and special events.

For more information contact:

Cloverdale:	604.598.6020
Langley:	604.599.3220
Richmond:	604.599.2511
Surrey:	604.599.2353

First Aid

First Aid Services are provided by the Facilities department for staff and as a service for students at each of the campuses. Each First Aid provider is a fully qualified Occupational First Aid Attendant.

First Aid Services

Cloverdale:	604.598.6076	Room 1711
Langley:	604.599.3276	Room 1633
Richmond:	604.599.2676	Room P 525 (parking level near elevators)
Surrey:	604.599.2076	Birch – Room 112

Safety and Security

Kwantlen Polytechnic University is committed to providing you a safe and ready learning environment. We have established an Office of Emergency Planning responsible for the implementation of our READYCAMPUS™ program and the administration of our Campus Security Services.

EMERGENCY PLANNING

In the event of an emergency, any emergency, please follow the instructions provided by our EAGLE EYE digital signage system, your faculty, and other designated emergency response personnel (such as Campus Security Services, Campus Emergency Response Team members, Fire Fighters, and

Police Officers). We are in process of developing a Total Alert Emergency Notification System involving many elements, some of which will be tested in the course of your studies or work here. Please see the Office of Emergency Planning (kpu.ca/emergencyplanning) for more detail on the READYCAMPUS™ program and other relevant emergency management information.

READYCAMPUS

ReadyCampus is the trademarked (2010) name of Kwantlen Polytechnic University's Emergency Management Program (based on NFPA 1600 [www.nfpa.org/assets/files/PDF/NFPA16002010.pdf]) administered by the Office of Emergency Planning.

SECURITY

If you or someone else is in danger or gravely harmed, call 911 immediately. Otherwise, while the Campuses are open, the telephone number and methods of requesting immediate assistance and calling to report security related events directly are:

Cloverdale:	604-574-2840
Langley:	604-514-0297
Richmond:	604-244-0130
Surrey:	778-578-6312
Website:	kpu.ca/security

If you do not have access to your own phone or office phone:

- **At all campuses** – To immediately report all suspicious, threatening, or illegal activity, you may contact Campus Security Services using campus TELUS public telephones equipped with a security button immediately below the dial pad.
- **At Langley, Surrey, and Richmond campuses** – you may also press the large button on our yellow call boxes situated indoors throughout building floors.

IT Resources for Students

The IET department at Kwantlen Polytechnic University provides Technology Services for Students, Staff and Faculty (kpu.ca/iet).

IET SERVICES

Services provided by IET for students include:

Online Self-Service

Here you can check your application status, register for courses, look up grades and view your transcript, find your tax form, and find out about financial aid and awards. This is where you set or change your password and security questions.

myKwantlen

This is the main web portal providing access to email, campus announcements, course webpages, student services and more. The student portal website provides easy communication between students, faculty and the University. Along with your official student e-mail address, myKwantlen provides news, personal organizational tools, and course materials.

Your account becomes available as soon as you've applied KPU. Your username is your 9-digit student number, and your password is the same one you use to register online.

Visit myKwantlen.ca for:

- Your student records, grades and registration
- Your e-mail and calendar
- Public discussion groups
- News and entertainment
- Events around campus

Email

All students who apply to KPU receive an @kwantlen.net email account. The account never expires and is the primary place where all institutional, instructor, and course emails are sent.

Access to this account is available only through myKwantlen; it cannot be set up directly on a mobile device. As an option, you can forward your KPU email to another service such as Gmail. Please be aware that copies of your emails will not be kept at KPU, but will be forwarded to the other service.

Live@edu email account

IET has been notified by Microsoft that Live@edu will be no longer be supported. All Live@edu accounts will be migrated by Microsoft to Office 365 for Education. IET will inform students of the migration schedule upon receiving notification from Microsoft.

Student Lab Account

Students who are registered and attending classes can log into any of the computers in student labs or the Library. Lab accounts expire 16 weeks after the semester ends.

Wireless Network Account

Students who are registered and attending classes can log into KPU's wireless network to access the Internet on a laptop computer. Wireless accounts expire 16 weeks after the semester ends.

Account Changes

Please visit any Student Enrolment Services office to update your student record before requesting changes with IET.

IT Services

IET provides the IET Service Catalogue as a reference to the Kwantlen Polytechnic University community. The purpose of this catalogue is to define the services offered by IET to the KPU community, as well as those that are supported by IET when primary delivery is through another department. The Service Catalogue for Students is at kpu.ca/iet/students/html.

ONLINE LEARNING RESOURCES

Online course websites can be accessed either through myKwantlen or Moodle; your instructor will advise you of the availability of each course - not all courses have an online component.

myKwantlen Courses

Direct links are available under the myCourses tab in myKwantlen.

Moodle Courses

The direct link for Moodle courses is courses.kpu.ca

CLASSROOM AND LAB RESOURCES

Classrooms

Most of KPU's classrooms have been converted to eClassrooms which have an instructor station capable of showing PowerPoint presentations, office documents,

webpages and playing videos from DVD or videotape on a large screen at the front of the room. Students can present their own material by plugging a USB memory stick into the instructor station or bringing in their own laptop.

Labs

Lab and Library computers are accessible to all registered students. The software available in labs is determined by the instructors each term, and the software available on the Library computers is determined by what is being taught on the particular campus.

Student Computers

Most KPU lab computers have been converted to thin-client technology. The Windows session runs on a server, not the local machine. Any files that are used on a student lab computer will be deleted at logout; files must be saved to a USB memory stick or emailed before logging out.

File Management

Most USB memory sticks are compatible with thin-client technology; it is important to leave a memory stick plugged into a thin-client terminal for at least one minute before attempting access, the server needs time to read the contents.

* It is always best to copy a file from USB to the My Documents folder or desktop before opening and editing it to reduce the chance of file corruption. Save, close and copy back to USB when you are done.

* While it is easy to open and read an attachment directly from email, it is not good practice to open an attachment for the purpose of editing it! If you close your email while you have an open document, you will likely lose all your edits. So then, first save it to My Documents or the desktop and then open it from there for editing.

For technical and login questions (registered students only):

Phone: 604-699-2116

Email: servicedesk@kpu.ca

OTHER RESOURCES

Library Card

Students can obtain an ID Card (Smart Card) from any campus Library.

Student Job Posting System

Students can check out employment opportunities through the Career Services website. Look for the Job Postings link under the menu for Students. Requests for help with job postings and login should be directed to the Career Services Contacts.

Printing

Lab Printing

Printing is available in labs when an instructor is logged into the instructor station.

Open Access Printing

Pay printing is available in the Libraries.

Software for Student Purchase

Under special purchasing agreements with Adobe and Microsoft, KPU students can purchase Adobe and Microsoft software products at discounted prices. See:

kpu.ca/iet/students/academic_resources/IET_student_services/Software_for_Student_Purchase

IET Service Desk

Located on the Surrey Campus in the Coast Capital Library, first floor.

Admissions, Registration, and Financial Assistance & Awards

Admissions, Registration, and Financial Assistance & Awards

There are two steps to pursuing an education. First, future students must apply for admission to the institution. Once admitted, students must register for the courses in the program they are completing.

In this section, you will find:

- About Admissions, Registration, and Financial Assistance & Awards
- International Students
- For Future Students
- How to Apply
- General University Admission Requirements
- Admission Types
- Application Timelines
- Documents Required for Admission
- Assessment and Testing
- Credit for Previous Learning
- Financial Assistance & Awards
- How to Register
- How to De-register
- Registration Regulations
- Tuition & Fees
- Other Fees
- Paying Your Fees

International Students

KPU's approach to education, that blends academic and applied learning, attracts international students from over 69 countries worldwide.

KPU offers international students various resources to help them succeed in their studies:

- **International Student Orientation** allows international students to meet classmates, learn about campus life, and ask questions they may have before the semester starts.
- **Educational Advising for international students** helps individual students develop an educational plan and address any other matters related to transitioning to university life in Canada.
- **International Peer Tutors** help international students with coursework and can offer advice about ways to integrate in campus life and Canadian life.
- **Student Life Activities and Clubs** allow international students to establish social connections and have an enriched university experience. Events are held on and off campus, and there are 35 different student clubs students can join. KPU is home to the Eagles who proudly represent us in badminton, basketball, golf, and soccer. We also have

a variety of recreational programs and a gymnasium and a dedicated fitness center.

VOLUNTEER, WORK, AND INTERNSHIP OPPORTUNITIES

International students are encouraged to gain experience and knowledge in their field of study through volunteer, work and internship opportunities. There are many resources and support services that are available to assist international students in understanding the Canadian workplace, preparing their resumes and get experience doing interviews. Work opportunities are supported through the co-operative education and career services office at KPU. The Office of International Students and Scholars will assist in ensuring you have the appropriate documents to successfully work in Canada. International students with an interest in working or volunteering should make an appointment to see an advisor at kpu.ca/advising/advisor-connect.

ENGLISH REQUIREMENTS

To learn more about KPU's English language requirements go to kpu.ca/admission/esl.

APPLICATION DEADLINES

To see the application deadlines for the three semesters (January, May and September) go to kpu.ca/admission/application-deadlines/international.

HOW TO APPLY

To learn more about how to become a KPU student go to kpu.ca/apply.

A \$120 dollar application fee must be paid for the application to be processed. Once you have submitted the application, you will need to submit your transcripts and additional documents required for admissions.

The preferred method for you to submit transcripts is for your school to send them directly to KPU. There are alternative submission methods possible for which transcripts are subject to verification.

QUESTIONS

For questions about studying at KPU email international@kpu.ca.

AGENTS

If you wish to become a KPU International agent email agentnet@kpu.ca.

For Future Students

The Future Students' Office (FSO) serves prospective students (kpu.ca/futurestudents) interested in attending KPU. Representatives from this area are the first point of contact to provide information and advice to future students, parents, counselors, teachers and community members about diverse KPU programs, services, admission requirements, and more. The

FSO team offers a wide range of student recruitment services and activities including:

- **School Visits, Fairs & Community Events** – Each year we conduct extensive visits of secondary schools and attend education and career fairs across BC and Canada to connect with students about all that we have to offer at KPU. FSO also participates in select community events to raise our institutional profile.
- **Dual Credit Pathways** – Students can get a head start on university studies by participating in a dual credit pathway. Tuition is covered by the Ministry of Education. Earn both high school graduation and university credits and get a glimpse into post-secondary (kpu.ca/dualcredit).
- **Drop-in Advising** – Prospective students can meet with one of our knowledgeable Student Recruitment Coordinators, who will answer questions as well as provide tips and advice to make the application process to KPU smooth and successful. We offer drop-in advising hours at Surrey, Richmond, Langley and Cloverdale campuses each week.
- **Online Advising** – Click the “Live Chat” icon located on our website and start asking questions using our convenient online advising tool.
- **Phone Advising** – We also offer telephone advising appointments. Simply fill out our online form and we'll contact you by email to set up an appointment.
- **Campus Tours** (Individual & Groups) – A campus tour is an excellent way to learn more about KPU firsthand. Discover our exciting programs and support services. Meet current students and faculty, tour our facilities and labs, and find out why thousands of students are choosing KPU, Canada's leading polytechnic university.
- **Upcoming Events** – KPU offers a variety of events throughout the year for future students, including Open House (kpu.ca/openhouse), program information sessions, course registration workshops and more.
- **Connect with KPU** – Want to keep connected with KPU? Subscribe to our future students' e-newsletter to receive news and updates on upcoming events, new programs, campus life and more. You can also send us a Tweet (twitter.com/KPU_FSO) or reach us on Facebook (facebook.com/kpufuturestudents).

CONTACT INFORMATION

Phone:	604.599.3030
Fax:	604.599.2498
Email:	study@kpu.ca
Web:	kpu.ca/future-students

How to Apply

KPU welcomes your Application for Admission to the program of your choice. Here are the simple steps for admission:

1. **Choose your program and check the program's admission requirements:**
To review the programs offered at KPU and the applicable admission requirements refer to KPU's Program Listing.
2. **Check the Admission application deadlines:**

Refer to Your Admissions Guide for application deadlines, documentation requirements and other admission information.

3. Submit an Application for Admission:

Apply online with a valid VISA, MasterCard, American Express or an approved Interac® Online debit card to pay the non-refundable admission application fee.

4. Submit your documents:

Your senior secondary and/or post-secondary transcripts are required to assess admission requirements for the program to which you have applied. Refer to Your Admissions Guide for information regarding document submission at: www.kpu.ca/admission/reqdocs.

5. Check your myKwantlen email:

You will be assigned a KPU Student ID number along with access to your “myKwantlen” online account. This account allows you to view your application status, check your new KPU email account, view registration information and make payments on your account.

Payment of the non-refundable admission application fee is required at the time of application in order for an application to be processed. Payment of the fee may be made by VISA, MasterCard, American Express or an approved Interac® Online debit card. Applicants who do not wish to pay the admission application fee by credit card, are welcome to submit an admission application and payment by mail or in person. An application for admission in PDF format may be downloaded from www.kpu.ca/apply

Paper applications may be submitted to any campus Student Enrolment Services Office or by mail to:

Kwantlen Polytechnic University
c/o Admissions
12666 72 Avenue
Surrey, B.C.
Canada V3W 2M8

Admission application fees are published in the online calendar.

OPEN ADMISSION APPLICATIONS

Applicants admitted to Open Admission programs remain eligible to register for three (3) consecutive semesters.

SELECTIVE ENTRY ADMISSION APPLICATIONS

Applications received for a selective entry program are only assessed/applicable for the program and term selected. Applications for selective entry programs are not carried forward or deferred to another intake. Applicants who are not admitted to the selective entry program for the intake to which they applied, but who are still interested in attending KPU are required to re-apply for admission to an alternate program.

What if I am waitlisted for admission?

Qualified applicants that are waitlisted for admission to a program will remain on the qualified list of applicants for that program for that intake. Applicants that wish to be considered for an alternate program may want to apply to another program if they wish to attend KPU. Waitlists are not carried forward or deferred to another intake.

APPLICANTS FROM ANOTHER COLLEGE OR UNIVERSITY

Applicants with undergraduate post-secondary education may apply to receive transfer credits for completed coursework for admission and advanced standing. Official post-secondary transcripts sent directly from the institution attended along with a Request for Transfer Credit form must be submitted for consideration. The Request for Transfer Credit form as well as transfer credit deadlines, applicable fees and additional information can be found on the Transfer Credit webpage at www.kpu.ca/transferecredit

General University Admission Requirements

Admission to KPU varies depending on the program to which you are applying. Not only does KPU offer **undergraduate-level** studies, we also provide qualifying courses and programs within our Faculty of Academic and Career Advancement that are at the **university preparatory-level**, as well as a variety of **vocational-level** programs. Each level of programming has different requirements for admission.

To qualify for admission, applicants must:

1. satisfy the appropriate undergraduate, vocational, or university preparatory-level English proficiency requirement,
2. qualify under one of KPU's admission categories,
3. satisfy specific program admission requirements

Note: KPU's Admission Model is changing for Fall 2015! Updates will be posted in the Admissions Guide.

1. KPU'S ENGLISH PROFICIENCY REQUIREMENT

Undergraduate-Level English Proficiency Requirement

All undergraduate applicants must satisfy KPU's **General University Admission English Proficiency Requirement**.

Any of the following achievements can be used to satisfy this requirement:

HIGH SCHOOL GRADES

A grade of "C" in one of the following courses (or equivalent from another school system):

- English 12
- English Literature 12
- English 12 First Peoples
- IB English A1 or A2 (HL or SL)
- Communications 12
- English 12 from a completed Adult Dogwood Diploma

For English 12 and all other provincially examinable courses, KPU will accept the blended grade (classroom grade + provincial examination grade) OR the classroom grade — whichever is higher — for the purposes of university and program admission and for satisfying course prerequisites. Current students wishing to use a higher classroom mark for the purposes of satisfying prerequisites should request to have an official copy of their high school transcript sent to Admissions should they wish to have

their academic record updated to include the classroom mark for any provincially examinable courses.

TESTING OPTIONS

One of:

- KPU Placement Test into one of: ENGQ 1099, ENGQ 1091, ENGQ 1092 or ELST 0381
- LPI Essay score of 26 Level 4
- Internet based TOEFL (iBT) score of 80 (taken within the last two years)
- Paper-based TOEFL 550 with TWE 4.5 (taken within the last two years)
- IELTS Academic Module overall band score of 6.0 with a minimum of 6.0 in each band (taken within the last two years)

KPU COURSE COMPLETION OPTIONS

One of:

- Completion of ENGQ 1089 with a minimum grade of "C" (or transferable equivalent)
- Completion of ELST 0281 with a minimum grade of "B-" (or transferable equivalent)
- Successful completion of ENGL 1100 (or transferable equivalent)

Vocational-Level English Proficiency Requirement

Applicants to **vocational-level** programs are not required to meet the above English proficiency requirement. English proficiency is assessed according to the specific requirements of the vocational-level program. Program admission requirements are included in the descriptions of each program. See the Program Index.

Note: Apprenticeship programs are not subject to KPU's English Proficiency Requirement.

University Preparatory-Level English Proficiency Requirement

Applicants to **university preparatory-level** programs are not required to meet the above English proficiency requirement. English proficiency is assessed according to the specific requirements of the preparatory-level program. Program admission requirements are included in the descriptions of each program. See the Program Index.

Applicants to undergraduate or vocational-level programs who do not meet the English proficiency requirement of their program of admission may be offered admission to Adult Basic Education (ABE), University Qualifying Studies, or English Language Studies (ELST). Information about these program options can be found at www.kpu.ca/aca.

2. ADMISSION CATEGORIES

All applicants must qualify under one of the following admission categories.

Regular Admission

Anyone who is a graduate of a BC Secondary school in any program, or the equivalent from another school system, qualifies under KPU's regular admission category. Applicants who are missing only one course for graduation are also eligible to attend, provided they have completed English 12 or the equivalent with a minimum "C" grade. As per the 2004 Provincial Graduation Program requirements, BC secondary school students are

required to write their Language Arts 12 provincial exam (i.e., English 12, First Peoples English 12 or Communications 12). For English 12 and all other provincially examinable courses, KPU will accept the blended grade (classroom grade + provincial examination grade) OR the classroom grade - whichever is higher - for the purposes of university and program admission and for satisfying course prerequisites. BC Secondary school students do NOT have to write optional provincial exams in order to be admitted to KPU. For applicants who have completed the BC Adult Graduation Diploma program, provincial exams are not required. Home Schooled applicants will be evaluated as equivalent to BC Grade 12 graduates, provided they have written and passed the BC Provincial English examination. Home Schooled students who require Mathematics for entrance to their programs may also be required to write KPU's Math Placement Test.

Mature Student Admission

Anyone who is not a secondary school graduate (or equivalent) but who will be nineteen (19) years of age or older on the first day of classes for the term is eligible to attend KPU as a mature student.

Underage Admission

Anyone who is not a secondary school graduate but who is seventeen years of age or older, and has not been in regular attendance at a secondary school for a minimum of one year, is eligible to appeal for permission to attend KPU as an underage applicant. Applicants in this category will normally only be accepted into the Adult Basic Education (ABE) or English Language Studies (ELST) program. Admission of underage applicants to other programs will be considered on an individual basis.

Special Admission

An applicant who does not meet any of the above admission criteria may appeal to be admitted as a Special Admission student and complete up to 12 credits before they must meet the general university admission requirements. Testing and attendance at an interview may be required and the applicant must provide supporting documentation as requested. Students under 19 who have not written the BC Provincial English examination will be required to write KPU's English Placement Test (or equivalent) in order to be considered a Special Admission student.

Concurrent Admission

Students who are enrolled in grade 12 in a BC Secondary School may be admitted to KPU to pursue Concurrent Studies. Normally, no more than 3 semester hours credit may be applied toward the requirements of a certificate program. Similarly, no more than 6 semester hours credit may be applied toward the requirements of a diploma program. The following conditions will apply to concurrent studies:

- The applicant must have achieved a B standing in academic subjects in the last full year of high school completed
- The applicant must be enrolled in a BC Secondary School at the grade 12 level, in a program that meets regular KPU entry requirements
- The applicant must have the written recommendation of the secondary school principal
- The applicant must have the written consent of his or her parent(s) or legal guardian if under the legal age of majority on the opening day of classes

- The applicant must have the support of the Dean responsible for the course(s) in which she or he plans to enrol

Admission will generally be limited to one semester only; however, it may be renewable with the continued support of the school principal and the Dean. Concurrent students will be treated as typical students in most respects except they may not register in a full range of courses, and their eligibility to register is valid for one semester only (unless renewed as above). KPU reserves the right to limit the number of seats available in total and per class.

3. PROGRAM ADMISSION REQUIREMENTS

Once an applicant has met the appropriate English Proficiency requirement and has qualified under one of the above admission categories, they may be considered for admission to a specific program. Each program has a different set of program admission requirements, and some programs require a higher English proficiency requirement than that listed under the above undergraduate English proficiency requirement. The specific requirements of your program of interest are included in the descriptions of each program. See the Program Index.

Admission Types

OPEN ADMISSION

An open admission program is a program for which the program admission requirements are the same as the general university admission requirements. Qualified applicants are admitted to these programs based on meeting these requirements. KPU is committed to accepting all qualified applicants who apply on or before the application closing date. At times, the number of courses desired by qualified applicants can exceed the number of spaces available. Therefore, acceptance to KPU is not a guarantee of registration in any or all of the courses or course sections an applicant may desire.

SELECTIVE ENTRY ADMISSION

Selective entry programs have program-specific admission requirements in addition to KPU's general university admission requirements. Applicants are deemed 'qualified' once they have met all program-specific admission requirements. Offers of admission are then based upon meeting the admission requirements. Qualified applicants may be wait-listed and seats in each program will be offered to applicants on the wait-list in order of application date.

FIXED TERM ADMISSION

A fixed term program is a program that has a limited number of seats (limited enrolment registration) and begins and ends on dates that are usually different from KPU's regular semester dates. Admission to most fixed term programs requires a selection process based on specific program admission requirements. Qualified applicants may be wait-listed by date of application and seats in each program will be offered to applicants on the wait-list in order of application date.

CONTINUOUS INTAKE ADMISSION

A continuous-intake program is a program in which there are a limited number of seats (limited enrolment registration) that are continuously filled from a wait-list as space becomes available. There are no fixed start and end dates for the program. Instead,

each student starts and ends the program on an individual basis. Admission to most continuous-intake programs requires a selection process based on specific program admission requirements. Qualified applicants may be wait-listed by date of qualification and seats in each program will be offered to applicants on the wait-list in order of qualification date.

Application Timelines

Applications to KPU and to particular programs will only be received within a specific interval of time prior to the start of a program intake. A person's date of application is determined by the date that the application and accompanying application fee is received.

All dates are subject to change without notice. If an application start or close date falls on a weekend or on a holiday, the deadline will be extended to the next business day for both online and in-person applications.

SEMESTER-BASED PROGRAMS

Applications for admission or re-admission to a particular intake of a semester-based program may be submitted in accordance with the following timelines.

- Fall (September) semester application start date: November 01
- Spring (January) semester application start date: March 01
- Summer (May) semester application start date: July 01

Application closing dates for each semester are published in the online Admissions Guide at www.kpu.ca/admission. Applications will only be accepted after the published application closing date if it appears that the program intake will not be filled by qualified applicants who submitted an application within the published application timelines.

Applications for selective-entry programs will not be carried over from one program intake to the next. Applications from international applicants will also not be carried over from one program intake to the next. Re-applicants must be prepared to go through the full admissions review process again, even though they may have met the admission requirements at the time of the original application.

FIXED TERM PROGRAMS

Application timelines for fixed term programs vary based on the start of the program intake. To inquire about program-specific deadlines, contact the Office of Admissions by e-mail at studentinfo@kpu.ca or by phone at 604 599 2000.

CONTINUOUS INTAKE PROGRAMS

Applications for continuous intake programs will be accepted throughout the year. As continuous intake programs run continuously, there is no cut-off date after which applications will no longer be received. Seats in the program will be filled from the qualified applicant list in order by date of qualification.

Documents Required for Admission

Official transcripts from the high school or post-secondary institutions you have previously attended may be required to process your application. For details on the documents you

may be required to submit, and how to go about submitting them, visit the Required Document Submission section of the online Admissions Guide at <http://www.kpu.ca/admission/reqdocsub.html>.

All documents submitted to KPU become the property of Kwantlen Polytechnic University. Neither the original document nor copies will be released to you or anyone outside of the institution. Applicants who do not attend and wish to re-apply later may be required to submit a new set of documents.

Assessment and Testing

KPU's Assessment and Testing Department offers:

- assessments for admission into various KPU programs
- educational assessments to ensure that students are placed into programs and/or courses that match their abilities and needs
- invigilation of exams for other institutions or outside agencies

All applicants to KPU, regardless of country of origin or citizenship status, must be able to undertake studies in the English language. Applicants are required to produce evidence of competency to undertake studies in the English language. An applicant may be required to take a test of facility in the English language before admission to a program. Competence in the English language is required for listening, reading, speaking and writing.

Most courses offered are reading and writing intensive. Applicants who cannot produce evidence of competency or who do not meet the standards set by a test of facility in the English language should inquire about Academic and Career Advancement Programs.

Testing is required for admission into a variety of programs at KPU. The tests being used are not examinations; they are designed to help students determine their appropriate placement levels for admission to courses or programs that have specific pre-requisites. If you do not meet the General University Admission Requirements, or the requirements for a program, you may be required to complete appropriate testing and/or upgrading.

If you require assistance in determining which test is most suitable for you, please make an appointment with the ACA Educational Advisor (kpu.ca/aca/ACA_Advisor.html) by calling 604-599-2000.

To book an assessment, please visit the Student Enrolment Services (kpu.ca/ses) office on the Surrey, Richmond, Langley campus, or the Dean's Office on the Cloverdale campus. To book *an invigilation only*, please contact Assessment and Testing Services office at 604-599-2368.

For more detailed information, visit kpu.ca/testing.

Credit for Previous Learning

KPU recognizes that many of its students may wish to be granted formal recognition for knowledge and skills already acquired. This recognition may be in the form of:

- transfer credit for courses completed in high school (e.g. Advanced Placement Program, International Baccalaureate Program),
- transfer credit for courses completed at another post-secondary institution,

- credit for prior learning assessment where there has been no formal coursework at a recognized post-secondary institution.

Through credit for previous learning, students may be granted credit that can be applied toward the admission requirements of a program, toward the graduation requirements of a program or to meet the prerequisite requirements for individual courses. Applicants should note that the application of credit granted may differ for the purposes of admission, registration or graduation. For information on how the transfer of courses may impact program requirements and graduation, refer to the Graduation section of the online calendar.

TRANSFER CREDIT

A student who has completed courses at another post-secondary institution may request that these credits be transferred to KPU. Where KPU offers an equivalent course to that taken at another institution, the student may be granted transfer credit for the KPU course. Where KPU does not offer an equivalent course, the student may be granted unassigned credit at the appropriate year level in the subject area (e.g. 3 credits in Anthropology at the second year level). Minimum grade stipulations may apply to transfer credit and though transfer credit may be granted, a further decision on the applicability of the credits toward program admission or graduation requirements may be required.

Course outlines must be submitted for all post-secondary courses if they are not listed on the B.C. Transfer Guide (www.bctransferguide.ca/). There is a charge for assessing courses taken outside of British Columbia. Refer to this calendar's General Fee Table for cost.

Courses transferred from another post-secondary institution are not included in the calculation of the institutional grade point average. The transfer of credits and the transfer grade point average become part of the student's permanent record at KPU. Once transfer credit has been awarded for a course and is reflected on a student's academic record at KPU, the same transfer credit will not be applied or amended for subsequent requests. To receive optimal transfer credit, students should request transfer credit be reviewed for all prior post-secondary coursework completed in their initial request.

The time it takes to complete the transfer credit articulation process varies from semester-to-semester and from program-to-program, therefore it is strongly recommended students submit their request for transfer credit and all supporting documentation (course outlines, official transcripts) upon application for admission to KPU. Submission deadlines are posted to the transfer credit website at kpu.ca/transfercredit.

Any student planning to transfer to a university or other post-secondary institution should be aware that transfer credits granted by KPU are not binding at another post-secondary institution.

Request for Transfer Credit forms are available online at kpu.ca/transfercredit or from the Student Enrolment Services Office located on any campus.

Policy B.15 can be viewed at the Library or online at kpu.ca/policies for further details.

LETTER OF PERMISSION

A letter of permission may be requested by KPU students who wish to take upper division courses to help satisfy third and fourth year courses required in their degree program at KPU, or by those students who wish to take a course(s) at other post-secondary institutions but have been unable to find

the course transfer equivalency from the BC Transfer Guide www.bctransferguide.ca.

Before applying for a Letter of Permission, a student must be in good academic standing at KPU, have completed nine semester credit hours of study at KPU and have a minimum Cumulative Grade Point Average (CGPA) of 2.00.

Request for Letter of Permission forms are available online at kpu.ca/transfercredit/forms or from the Student Enrolment Services Office located on any campus.

ADVANCED PLACEMENT (AP) PROGRAM

Visit www.bctransferguide.ca or see policy B.8 which can be viewed at the Library or online at kpu.ca/policies for further details.

All Advanced Placement (AP) courses are considered for admission in combination with an approved high school credential. Transfer credit will be assessed upon receipt of a Request for Transfer Credit Form and an official College Board transcript.

Submitting Transcripts

Students will need to request official final transcripts to be sent directly to KPU from College Board once all examinations have been completed.

Advanced Placement Grade Conversion

Calculation of the AP exam grade to a percentage will be determined according to the following chart:

AP Exam Grade	Equivalent Percentage
5	96
4	86
3	80
2	70

Transfer Credit for AP Courses

Students who have completed Advanced Placement (AP) subjects with a score of 4 or greater will receive advanced standing in accordance with the table of equivalencies which has been established in consultation with faculty. The table of equivalencies is reviewed and updated by the appropriate Departmental and Divisional Curriculum committees each year.

For information regarding deadlines, transfer credit forms and to view the table of course equivalencies, refer to the Transfer Credit website at: kpu.ca/transfercredit.

Declining Transfer Credit for AP Courses

Students who do not wish to have transfer credit for AP courses completed will need to submit the *Declining IB/AP Transfer Credit* form at least 30 days prior to the start of classes. This form can be found online at www.kpu.ca/transfercredit/forms.

INTERNATIONAL BACCALAUREATE (IB) PROGRAM

International Baccalaureate students are eligible for admission on the basis of successful completion of the IB Diploma. All International Baccalaureate (IB) courses are considered

for admission in combination with an approved high school credential.

Submitting Transcripts

Students will need to arrange to have final official transcripts sent to KPU. For more information about ordering transcripts, please contact your IB regional office or check on the IB site at: www.ibo.org/iba/transcripts/

Students completing both High school Curriculum and IB diploma program will need to arrange to have official high school transcripts and official IB results sent to KPU.

International Baccalaureate Grade Conversion

Visit www.bctransferguide.ca or see policy B.9 that can be viewed at the Library or online at kpu.ca/policies for further details.

KPU will convert your IB exam scores into percentages for the purposes of admission and transfer credit.

If you are completing an IB course and the related high school course, we will use the higher of the two grades for admission.

IB Exam Grade	Equivalent Percentage
7	96
6	90
5	86
4	76
3	70

Transfer Credit for IB Courses

Students who have completed Higher Level International Baccalaureate subjects will receive advanced standing in accordance with the table of course equivalencies which has been established in consultation with faculty.

The table of equivalencies is reviewed and updated by the appropriate Departmental and Divisional Curriculum committees each year. To apply to receive KPU credit as a result of completing International Baccalaureate courses, students are required to submit an official transcript from the International Baccalaureate Organization to KPU.

For information regarding deadlines, transfer credit forms and to view the table of course equivalencies, refer to the Transfer Credit website at: kpu.ca/transfercredit.

Declining Transfer Credit for IB Courses

Students who do not wish to have transfer credit for IB courses completed will need to submit the *Declining IB/AP Transfer Credit* form at least 30 days prior to the start of classes. This form can be found online at www.kpu.ca/transfercredit/forms.

PRIOR LEARNING ASSESSMENT

Policy B.14 can be viewed at the Library or online at kpu.ca/policies for further details.

KPU recognizes that students may attain significant learning at a post-secondary level through work, training, and informal experiences outside the formal post-secondary system or from institutions with whom KPU does not have course transfer and articulation agreements. Through Prior Learning Assessment (PLA), KPU will grant credit toward a certificate, diploma, or

degree for this learning if it fulfills the requirements of the program to which the student has applied.

Note: KPU accepts PLA credit awarded at other public post-secondary institutions in the same manner as Transfer Credit.

Applications for PLA credit are available from Student Enrolment Services. Before applying for PLA, a student must meet with the PLA Advisor in his or her program area for detailed information regarding level. Although PLA credit may be granted, a further decision on the applicability of the credits toward program admission or graduation requirements may be required.

Any student planning to transfer to a university or other post-secondary institution should be aware that PLA credit granted by KPU is not binding at another post-secondary institution.

Methods of Prior Learning Assessment

The following methods of assessment may be used, independently or in combination, to determine if the PLA applicant has met the required standards:

CHALLENGE EXAM:

A test or exam (written or oral) that is designed to validate the knowledge of the candidate as it relates to course requirements. A challenge exam may be the same test or exam given to students who formally attend the course. It is limited to questions that are directly related to the learning objectives/outcomes of the course, not to information that would be available only by regular attendance in the classroom.

STANDARDIZED TEST:

Similar to a Challenge Exam. However, someone from the department other than the assessor usually develops this test or exam. It is focused around widely recognized standards (as set by a department or professional/sectoral organization) that are equivalent to the course objectives.

PRODUCTS/PORTFOLIO:

Documents or objects that have been produced by the candidate and demonstrate tangible proof of accomplishment. These may include, but are not limited to, reports, computer printouts, videos, illustrations, prototype models, or an artist's portfolio. Students may be asked to demonstrate abilities or answer questions about the portfolio by the assessor.

DEMONSTRATION:

Simulation or actual presentation of candidate's abilities, which may be live, recorded, or videotaped. The demonstration may include, but is not limited to, such activities as presenting a speech, role-playing a situation, creating a document on computer, giving a musical performance, performing a lab experiment, interviewing a client, operating equipment, or completing a procedure.

INTERVIEW:

Oral questioning. The PLA interview is focused around course objectives and may include techniques such as open-ended questions, case studies, and prepared analyses. The interview is used to clarify areas of learning, and may be used in parallel with other methods, as a sole method of assessment, and/or as a means to ensure authenticity of products.

WORKSITE ASSESSMENT:

Similar to a demonstration. The candidate is observed performing tasks as a part of normal work routine, or as specifically assigned, in the place of work. Assessment is normally done by faculty assigned to a candidate, but may also be made by a work supervisor or field expert. If performed by an external assessor,

may be followed up by a self-assessment and/or interview with a faculty assessor.

SELF-ASSESSMENT:

Assessment performed by the candidate, usually with the aid of an established form or questionnaire. Normally requires a parallel assessment by a field expert and/or faculty assessor.

EXTERNAL EVALUATION:

Assessment provided by an expert other than KPU faculty. Assessment method may include, but is not limited to, performance evaluation, letter of validation, or worksite assessment, and may require follow-up by faculty.

OTHER FORMS OF ASSESSMENT:

As agreed on by the assessor and applicant and relevant to the course/program outcomes or objectives.

Exemption

In some instances, a student does not have formal course work that is equivalent to courses taught at KPU, but does have a combination of education and experience that would permit her or him to be granted an exemption from an introductory or prerequisite course. A student who is granted an exemption must still complete the required number of courses and credits for a degree, associate degree, diploma, certificate or citation. However, the number of elective courses and credits will be increased. A student who has been granted exemption from a course may not subsequently enrol in that course for credit.

Financial Assistance & Awards

At Kwantlen Polytechnic University, we understand that you may have questions about the investment costs associated with attaining your post-secondary education. That's why we have devoted significant time and resources to helping you plan for and finance this investment in your future.

Your university education will be one of the most important – and most prudent – investments of your lifetime. The Student Awards and Financial Assistance Office (SAFA) provides information to students and their families on various options of financial assistance, including grants, student loans (Canada and US), government-funded programs, student lines of credit, as well as budgeting tips and techniques.

In addition, for qualifying students, KPU supports the journey to success with numerous scholarships, bursaries and awards ranging from \$250 to \$2250. In fact, we offer up to \$2 million in scholarships, bursaries and awards annually to students at KPU, of which \$225,000 is offered to students enrolling at KPU for the first time.

Listed below are the various programs and awards offered:

- Entrance Scholarships at KPU
- Scholarships, Bursaries and Awards
- Awards for Graduating Students
- Awards Outside of KPU
- Student Loans (Canada and US)
- Tuition Payments and Fee Deferrals
- Available Grants
- Students with Permanent Disabilities

- Adult Basic Education Student Assistance Program (ABESAP)
- Emergency Aid

ENTRANCE SCHOLARSHIPS AT KPU

Kwantlen Polytechnic University offers up to **\$225,000** in scholarships and awards annually to high school students who are enrolling at KPU for the first time. Academic excellence, program of study, community/school involvement and volunteer activities are some of the factors in the selection process.

The Leaders of Tomorrow Entrance Scholarships

These scholarships are comprised of one (1) President's Award and three (3) Merit Awards that are allocated to each of the following school districts: Richmond, Delta, Surrey, Langley and Ridge Meadows. In addition, one (1) President's Award and three (3) Merit Awards are open to students graduating from any other school district within the province of British Columbia.

PRESIDENT'S AWARD - \$20,000

Criteria:

- Enrolled in any four-year program at KPU, full-time (minimum 12.0 credits) and continuing in the same program of study for each year thereafter
- Maintain a minimum Cumulative Grade Point Average (CGPA) of 3.0 for the duration of the award period
- \$5,000 received each year over four years

MERIT AWARD - \$5,000

Criteria:

- Enrolled full-time (minimum 12.0 credits) in any KPU program
- Maintain a minimum Cumulative Grade Point Average (CGPA) of 3.0 for the duration of the award period
- Award payment will be divided between the September and January semesters

Each November, information and application forms for the Entrance Scholarships are available online at kpu.ca/awards.

In addition to the Leaders of Tomorrow Scholarships, there are further entrance awards opportunities offered at KPU to which students can apply directly. Please visit kpu.ca/awards for details.

SCHOLARSHIPS, BURSARIES AND AWARDS

General In-Course Awards

Through generous contributions by donors, along with the University's financial commitment, Kwantlen Polytechnic University offers a variety of scholarships, bursaries and awards through the General In-Course Awards program. A number of criteria apply to these awards including assessed financial need, academic achievement, program of study and other specific requirements. Students only need to complete one online application to be considered for many awards within the institution. Information regarding these awards and how to apply is available in KPU's Online Awards Guide (kpu.ca/awards/Awards/awards_guide).

Application Deadline: February 13, 2014

Program Awards

KPU also offers awards to students in many specific program areas such as: Horticulture, Music, Trades, Design and Athletics. For more information on these specific awards, please visit our Online Awards Guide or speak to a Financial Aid Officer at any KPU campus.

Awards for Graduating Students

Kwantlen Polytechnic University offers graduation awards to honour students who have excelled in their program of study. Volunteer activities, contribution to the KPU community and/or faculty recommendation may be factors in the selection process.

The Graduation Awards include:

- **Governor General's Silver Academic Medal** - highest academic standing in a Bachelor's Degree Program
- **Governor General's Collegiate Bronze Academic Medal** - highest academic standing in a 2 Year Diploma Program
- **Lieutenant Governor's Medal** - excelled in their studies in either a vocational or a career program and has contributed in a positive way to the life of KPU or their community
- **George C. Wootton Award** - achievement of academic success and contribution to the community and/or KPU extracurricular or voluntary activities
- **Deans' Medals** – one medal awarded to a student from each Faculty
- **President's Outstanding Graduate Award** - consistently shown outstanding ability in their field of study in a Bachelor's Degree Program and contributed in a significant way to KPU and/or their community
- **President's Outstanding Graduate Award for a Diploma Program** - consistently shown outstanding ability in their field of study in a Diploma Program and contributed in a significant way to KPU and/or their community

The awards each carry a monetary value of a minimum of \$500 and are recognized at Convocation.

Awards Outside of KPU

To ensure KPU students have access to as many resources as possible to help fund their studies, the Student Awards and Financial Assistance Office maintains a list of external awards for which students may be eligible. These awards are offered by donors who may not necessarily be directly affiliated with Kwantlen Polytechnic University. Students in receipt of an external or direct award should contact Student Awards and Financial Assistance at 604.599.2000 for information on how to receive their award.

STUDENT LOANS

Canada Student Loans

Canada Student Loans are a form of government-funded financial assistance that must be repaid. This funding is intended to assist students to finance their post-secondary education. Eligibility is determined by a standard means test developed by the federal and provincial governments. While you pursue post-secondary studies on a full-time basis, the government pays the interest on your loan.

To obtain a loan, apply directly to the government assistance provider in your home province. This is a one-step process that considers you for federal and provincial loans and grants. If you

apply for a loan, you are held responsible for understanding how your province's program works, so please read their information carefully.

To receive a loan, students must be attending school on a full-time basis. This is very important, as dropping below this threshold can mean early repayment of the loan and/or loss of funding. For the purposes of most university-level programs offered at KPU, a student is considered to be attending on a full-time basis provided that they are registered in a minimum of 9 credits per semester (in courses numbered 1100 or higher). Repeated courses do not qualify as part of the minimum course load. A 40% course load (the equivalent of 6 credits of study for most KPU students) is considered full-time for students with an approved permanent disability appeal for a reduced course load. Generally, students attending in trades, career or vocational programs are deemed to be attending on a full-time basis. Some exceptions apply and it is the student's responsibility to confirm the eligibility of their program of studies by speaking with a Financial Aid Officer.

Residents of BC should apply for student loan and grant assistance via StudentAidBC (www.aved.gov.bc.ca/studentaidbc). Students may wish to also contact the Ministry of Advanced Education, Innovation & Technology directly at their toll free number 604.660.2610. For more information on the new integrated Canada Student Loan and BC Student Loan and how to access application forms, please contact the Student Awards and Financial Assistance Office.

APPLICATION DEADLINES:

- Nov 15, 2013 (Fall term)
- Mar 14, 2014 (Spring term)
- July 18, 2014 (Summer term)

Tuition Payments and Fee Deferrals

Students who have been approved for assistance from StudentAidBC, the Canada Student Grant for Part-Time Students (CSG-PT) and/or the Adult Basic Education Student Assistance Program (ABESAP), or who are in receipt of a Direct Award, may be eligible for an exemption from the tuition fee payment deadline.

Please complete the *Fee Deferral Form*, available from any Student Awards and Financial Assistance Office, or download the form from kpu.ca/awards, prior to the fee payment deadline and submit it to the Student Awards and Financial Assistance Office to determine eligibility.. Faxed copies are acceptable.

Important - for those who are on student loan, please ensure that you attach your *Notice of Assessment* that was sent to you by StudentAidBC (stating how much funding you are eligible to receive) to the Fee Deferral form – otherwise you will not be eligible for the deferral. If you have any questions, please speak with a Financial Aid Officer.

APPLICATION DEADLINES:

- August 16, 2013 (Fall term)
- December 6, 2013 (Spring term)
- April 18, 2014 (Summer term)

Interest-Free Status While Studying in School

Students who are undertaking post-secondary level studies on a full-time basis are not required to make payments or pay interest on previously negotiated government student loans. It is, however, the student's responsibility to inform their government lending institution that they have returned to full-time study.

Students can inform their previous lender of their return to full-time study by applying online for interest-free status at StudentAidBC or by obtaining signed Schedule 2 and Certificate 2 documents from Student Awards and Financial Assistance on any KPU campus. Students who have negotiated student loans with a province other than BC may be required to submit alternate documents.

Students must be enrolled in a minimum of 9 credits at the 1100 level or higher. Repeated courses do not qualify as part of the minimum course load.

Repaying Your Student Loan

Students are not required to make payments or pay interest on government student loans for a period of six months after leaving full-time studies. Interest begins to accrue the day after students cease to be full-time. Students returning to full-time study within six months after the end of the loan period will have this interest paid on their behalf by the government. If students are having difficulty repaying integrated loans, both the federal and provincial governments offer programs to assist in the repayment process. These debt management programs are designed for those facing financial difficulty in meeting their monthly payments to avoid defaulting on student loans. For more information on the BC debt management programs, please visit the StudentAidBC website (www.aved.gov.bc.ca/studentaidbc). In addition, visit the National Student Loans Service Centre website (www.canlearn.ca/eng/after/repaymentassistance/index) for information on repayment assistance programs offered by the federal government.

US Federal Student Loans

US Federal Stafford Loans (Direct Loans) are for students who are US citizens or permanent residents registered and studying in either a Bachelor's Degree or an Associate Degree Program. There are two types of Stafford Loans: Subsidized and Unsubsidized. You must demonstrate financial need to receive a Subsidized Stafford Loan. Financial need is not a requirement to obtain an Unsubsidized Stafford Loan.

US Federal Parent PLUS Loans (Direct Loans) are loans that parents can obtain to help pay the cost of education for their dependent children in undergraduate studies. In addition, graduate and professional degree students may obtain PLUS Loans to help pay for their own education. Speak with a Financial Aid Officer for more information on how this program works.

Further information on the William D. Ford Federal Direct Loan Program (www.direct.ed.gov) is available.

To apply for a US Direct Loan, students need to go to the US Student Loans website (studentloans.gov) and register to use the online tools. Complete the Free Application for Federal Student Aid (www.fafsa.ed.gov) to obtain the Student Aid Report (SAR). Please read the 'Comments' section in the SAR to ensure that your data is complete. The SAR provides the data for your eligibility assessment. Bring the SAR to the nearest Student Awards and Financial Assistance Office where we will assist you with the rest of the process.

Important – our Federal School Code is G33325 – you will need this to information complete your application. Please visit the William D. Ford Federal Direct Loan Program website for further information (www.direct.ed.gov).

US Private Student Loans

US Private Loans are available to those students whose program of study does not qualify for funding under US Federal Aid guidelines. Students are encouraged to first check with their local state agency to see if there is any other financial assistance

available to them. In addition, the Student Awards and Financial Assistance Office is also here to help.

AVAILABLE GRANTS

Canada Student Grant / Loan for Part-Time Students

The Canada Student Grant / Loan is available to assist students studying on a part-time basis in an eligible post-secondary level program. Eligibility is determined on the basis of assessed financial need. The CSG-PT has a yearly (August 1 – July 31) funding limit of \$1200 per student. Once this limit has been reached, students have the option to apply for a Part-time Canada Student Loan (PT-CSL).

Students with Permanent Disabilities

For students who have a documented permanent disability there are both federal and provincial grants and bursaries that may be available to assist them. Students are encouraged to come and speak with a Financial Aid Officer to discuss funding opportunities.

APPLICATION DEADLINES:

- Nov 15, 2013 (Fall term)
- Mar 14, 2014 (Spring term)
- July 18, 2014 (Summer term)

Adult Basic Education Student Assistance Program (ABESAP)

This program is available to assist students who are upgrading their education in preparation for post-secondary level studies. Eligibility is determined on the basis of assessed financial need. Eligible students must be Canadian citizens, permanent residents or landed immigrants studying either full-time or part-time in one of the following areas: Access Program for People with Disabilities (APPD), Adult Basic Education (ABE), English Language Studies (ELST), and University Qualifying Studies.

APPLICATION DEADLINES:

- November 15, 2013 (Fall term)
- March 14, 2014 (Spring term)
- July 18, 2014 (Summer term)

GI Bill Benefits (USA)

Students who are US citizens may be eligible to receive GI Benefits through the Department of Veterans Affairs (DVA), as Kwantlen Polytechnic University is listed as an authorized Institution of Higher Education (IHE). Students will need to speak with a Financial Aid Officer to determine if their program of study qualifies under the DVA guidelines.

Important – our Facility Code is 1-101003-75. This number is the reference that DVA will need when you apply for assistance.

EMERGENCY AID

Emergency Loans

Emergency Loans are available for students who are experiencing an unexpected delay with their student loans. To apply for an emergency loan, students will need to speak with a Financial Aid Officer.

Emergency Bursaries

Emergency Bursaries are available for those students who experience an unexpected financial hardship. Bursaries are non-repayable awards which are allocated primarily on the basis of assessed financial need. Students need to speak with a Financial Aid Officer regarding their circumstance. Please note – there is limited funding available from this resource.

Additional information, including eligibility and how to apply for emergency aid, can be obtained by visiting the Student Awards and Financial Assistance Office on any campus.

Homeowner Protection Office Bursary Program

The Homeowner Protection Office has generously provided a \$60,000 contribution over a three year period to support both a bursary and scholarship program (\$40,000 and \$20,000 respectively). The program is geared to those students enrolled in one of the following programs: Foundation / Carpentry, Low Voltage, and Building Science who are either Aboriginal and/or those with low income:

For further information, please speak to a Financial Aid Officer on any campus.

Aboriginal Emergency Assistance Fund

Through a generous one-time contribution from the Ministry of Advanced Education, Innovation and Technology, Kwantlen Polytechnic University has established the Aboriginal Emergency Assistance Fund to help Aboriginal students who are facing financial barriers. Please see the Aboriginal Services Office website for more information.

INFORMATION FOR PARENTS

Investing in your child's education is probably one of the most important goals parents have today. The cost of education can certainly add up when you consider all the components, such as tuition and textbooks, and so it is very beneficial to begin looking for financial assistance as soon as possible. It is recommended that students begin to learn about financial literacy and start searching for scholarships as early as Grade 10 and 11. Parents are encouraged to work with their children and begin the process early to meet required application deadlines. A great resource to learn about financial literacy is the Financial Consumer Agency of Canada (www.fcac-acfc.gc.ca). Here you will find information on budgeting and money management, credit and loans, how to protect yourself from fraud, savings and investments, as well as a host of other tools to assist you. Please visit our "Other Resources" section to find other links to valuable information.

CONTACT US

Cloverdale:	Room 1121
Langley:	Room 1060
Richmond:	Room 1552
Surrey:	Room 1822
Mail:	12666-72 Avenue, Surrey, BC Canada V3W 2M8
Phone:	604.599.2000
Email:	awards@kpu.ca
Website:	kpu.ca/awards

Hours of Operation / Appointments / Drop Ins

Please visit the Student Awards and Financial Assistance website at kpu.ca/awards for updated information.

Other Resources

www.canlearn.ca

Includes an Education Cost Calculator and a Financial Planner. This is a great tool for parents!

www.debtfreegrad.com

How to survive university without going broke.

www.getsmarteraboutmoney.ca

A great site that looks at vehicles such as tax-free savings accounts, RESPs, GICs and Canada Savings Bonds to name a few.

www.nomoredebts.org

Manage your money, solve your debt and use credit responsibly.

www.studentawards.com

Visit this site for scholarships and awards that are specific to you. Complete one online profile and awards come directly to your mailbox to apply.

www.themoneybelt.gc.ca

Includes a financial literacy workshop for young adults.

How to Register

To register students must have submitted an Application for Admission by the published deadline and have been accepted for admission to KPU. Students are responsible for the accuracy and completeness of their registrations, and for meeting the stated prerequisites and co-requisites of a given course or program. Registration is primarily online, with in-person and telephone assistance available through Student Enrolment Services. Students registering online should check carefully that each transaction is completed, and review their registration record.

Detailed instructions about registering, the timetable, and registration dates and deadlines, are available in the **Registration Guide** (kpu.ca/registration).

COURSE SELECTION

Program requirements are listed in the Calendar. Courses are scheduled then published in the Timetable, typically two weeks before the beginning of registration. Students begin the registration process by selecting courses from their program requirements for which they meet the requisites. Using the Timetable, a student then constructs a timetable, selecting a section (class) of each desired course in a way that creates a conflict-free timetable.

Course Load

A full course load in most programs is five (5) courses, although some selective entry programs may require more than this. If a student is not enrolled in such a program and wishes to enrol in more than five (5) courses in one semester, she or he must obtain permission from the Registrar or designate. Normally, a B average will be required before permission will be granted to carry an extra course. A course overload will not normally be considered for a student in his or her first semester at KPU.

SEMESTER CREDIT HOURS

All undergraduate level courses have semester credit hours assigned to them. The semester credit hour is a standard unit that represents a minimum of one (1) hour of instruction per week for a semester. Most undergraduate level courses carry three (3) semester credit hours, although they may require more than three hours of classroom instruction per week.

FULL-TIME STATUS

A student who is enrolled in nine (9) or more semester credit hours is considered to be full-time. An International student who is enrolled in nine (9) or more semester credit hours is considered to be full-time.

PART-TIME STATUS

A student who is enrolled in fewer than nine (9) semester credit hours is considered to be part-time. An International student who is enrolled in fewer than nine (9) semester credit hours is considered to be part-time.

Note: A minimum course load of 9 semester credit hours, in a program that has a maximum course load of 15 credit hours, at the post-secondary level, is required to qualify for a student loan.

ELIGIBILITY TO REGISTER

Admission & Continuance

New students must have been admitted to KPU prior to registering. Continuing student remain eligible to register for up to two (2) consecutive semesters after applying and up to three (3) consecutive semesters (withdrawals excluded) after registering for a semester.

Students who have not registered in over three consecutive semesters must re-apply for admission.

Registration Deposit

You must have a prepaid balance of at least \$250 on your account prior to registering in any semester or for any program. New students in limited enrolment programs and new international students, will have prepaid a Program Acceptance Deposit and/or International Deposit; all other students, and continuing students must prepay a \$250 deposit.

WHEN TO REGISTER

Registration Times

Most students are assigned a registration time, at or after which they can register online. Students registration time assignment can be found online, in myKwantlen, and is generally available 8-10 days before registration begins.

Registration Priority

The order of registration (the assignment of registration times) is governed by policy C.30 (see kpu.ca/policies)

PREREQUISITES AND CO-REQUISITES

Students are required to meet prerequisites and/or co-requisites for courses in which they intend to register, or have registered.

Students are allowed to register in a subsequent course while they are attending the prerequisite course. However, in the event they do not achieve the requisite grade, students will be

automatically de-registered from the subsequent course, and may forfeit their registration deposit.

In the event an error occurs, and a student becomes registered in a course for which they do not have the stated requisites, the requisites remain fully in effect, and the student may be de-registered once the error is corrected.

Unless stated otherwise, the minimum grade necessary to meet requisites is a 'C'.

LATE REGISTRATION

Registration continues to the end of the first week of classes. After the first week, students must obtain a Permission to Register form, signed by the appropriate signatories, and present it in person to Student Enrolment Services. Switching sections or courses after the first week of classes is not permitted.

WAITLISTS FOR COURSES

Most undergraduate courses offer the opportunity for students to place themselves on the waitlist when a section is full. Students may be on numerous waitlists, but not on multiple waitlists for the same course. By waitlisting for a course, students are responsible for checking their myKwantlen email every day, seven days per week, to see if they have been offered a seat as notifications are by email only. It does not cost anything to be on a waitlist and it does not count as registration; you will not be removed from a waitlist due to lack of payment.

How to De-register

As well as registering in classes, students may need to de-register themselves from classes. Depending on the number of days before or after the first day of classes, the rules change.

DROPPING A COURSE

Per policy C.39 (see kpu.ca/policies), students may adjust their course load (drop a course or courses) without financial or academic penalty prior to the first day of classes. Dropping all courses results in forfeiture of the registration deposit and/or the Program Acceptance Deposit and/or the International Deposit. Dropping a wait-listed course will incur no penalty.

During the first week of classes - the Late Registration Period - students may drop a course without academic penalty (no record on their transcript). However, students are subject to a 30% of tuition penalty when they reduce their net billable tuition (credits or weeks).

WITHDRAWING FROM A COURSE

Students may withdraw from open enrolment and most limited enrolment courses until the end of the eighth week of a semester (or 50% of a course has elapsed). To officially withdraw from a course, a student must do so by the published deadline. The deadline for withdrawing is published in each semester's online Registration Guide and Timetable.

Non-attendance by itself does not constitute withdrawal from a course. A student is considered fully registered until she or he has either withdrawn using the online registration system or submitted a Course Status Change form (if registration in the program is not done online). A student who stops attending class but does not withdraw by the deadline will be assigned a grade based on the work completed in the course.

Before withdrawing from a course, recipients of student loans should confirm whether their status will be affected by the withdrawal. To be eligible for a student loan, a student must be enrolled in at least sixty (60) percent of a full course load for her or his program.

If a student withdraws during the second to eighth week of classes in a semester, the course(s) will appear on the student's official transcript with a grade of "W". Withdrawals will not be permitted after the end of the eighth week of classes.

A student who withdraws from all courses in a semester may need to apply for re-admission by the application deadline in order to register again at the University. Students will remain eligible for up to two additional consecutive semesters after applying and/or registering in an open access program.

Fixed Term Programs

A student who is registered in a fixed term program and who wishes to withdraw must complete the appropriate section on a Program Status Change form, obtain signatures from the instructor, and submit the form to Student Enrolment Services. Students may withdraw from courses only until the mid-point of each course.

Continuous Intake Programs

A student who is registered in a continuous-intake program who wishes to withdraw must complete the appropriate section on a Program Status Change Form, obtain signatures from the Library and the instructor, and submit the form to Student Enrolment Services.

CANCELLED COURSES

If a course is cancelled, students will be contacted by phone or KPU email. Students will be issued a full refund or reduction in fees owing for cancelled courses and registration deposits will not be forfeited under these circumstances.

Registration Regulations

ENROLMENT TYPES

Open enrolment

Open enrolment programs are those in which students may register for one or more courses in accordance with an established registration priority system. Seats are filled in a first-come, first-served basis, and admission does not guarantee registration. Most semester-based programs are open registration programs.

Limited enrolment

Limited enrolment programs have a limited number of seats available within each intake. In general, for each student admitted, seats in all required classes are guaranteed. Many selective entry admission programs have limited enrolment.

Self-paced

Self-paced programs require students to enrol (register) in classes as they are ready to begin the next course in a series. Students complete at their own pace, and may not be registering at the same times of year as most students.

REPEATING A COURSE

Normally a student may register for either credit or audit status for the same course a maximum of two times (some exceptions apply). A student who withdraws will be considered to have registered if the withdrawal occurs during the period when a grade of W is assigned. This policy applies to all registrations, whether the course was successfully completed or not. The student retains the right to apply for special consideration or exemption from the policy by submitting a request for special approval to Student Enrolment Services. Students who attempt to register for a course a third (or higher) time without prior approval, will be blocked by the online registration system.

In the case of a repeated course, the grade used in computing Grade Point Average (GPA) will be the highest grade received. The grades for all attempts will remain on the student's permanent academic record and will appear on their transcript.

AUDITING A COURSE

A student who wishes to take a course but does not wish to do so for credit may request to audit the course. An auditor is expected to attend class but does not participate in the evaluation process. To audit a course, a student must obtain the approval of the Registrar or designate, or an Educational Dean and be currently eligible to enrol. Priority is given to credit students so students are not permitted to register for a course and then change to audit status. The tuition fee for auditing a course is the same as that for a student taking the course for credit. Students will be permitted to request audit status in 1000 and 2000 level courses after the Fee Payment deadline. Students will be permitted to request audit status in 3000 and 4000 level courses during the first week of classes.

GUIDED STUDY

Guided study refers to the offering of a course using a mode of instruction other than classroom instruction or distributed learning. In general, this will primarily involve self-study by the student with periodic guidance from an instructor. Guided study is not to be construed as instruction by correspondence or distance education.

Only courses listed in the KPU calendar may be offered by guided study and the goals and objectives of the course must be adhered to. A course will not be offered by guided study if it is currently being offered by classroom instruction on the student's home campus. Courses that involve work experience or substantial laboratory work will not be offered by guided study. Similarly, courses that depend heavily on student-instructor interaction will not be offered by guided study.

To be eligible to enrol in a course offered by guided study, a student must normally meet the following criteria:

- have successfully completed or transferred a minimum of four (4) courses totalling a minimum of twelve semester credit hours at/to KPU
- have achieved a minimum Cumulative Grade Point Average (CGPA) of 3.00
- be currently enrolled in at least one course at KPU

Enrolment in a course taught by guided study must not result in the student exceeding the normal academic workload for her or his program.

The tuition and other fees for a course taught by guided study are the same as those charged for a course taught by classroom instruction. Because of the particular fee arrangements for the

instructor's services, no refund will be issued after the course has begun.

See policy C.16 (kpu.ca/policies) for further details.

ATTENDING CLASS WITHOUT REGISTERING

Attending class without registering is not allowed; an instructor will allow in class only officially registered credit or audit students. Visitors will be admitted at the discretion of the instructor. Such visits will normally be permitted for only one or two classes in a semester.

COURSE OUTLINES

KPU has official course outlines for every credit course taught. These outlines have first been approved by a KPU Curriculum Committee and then by the KPU Senate. They are available for inspection at all Counselling and Educational Advising offices.

COURSE PRESENTATIONS

Each instructor will provide every student in her or his class(es) with a written course presentation (either hard copy or electronic format), outlining the required and optional texts and materials, the evaluation scheme used, the instructor's policy on late assignments, the tentative schedule of topics, office hours and office room number and KPU's policy on plagiarism and cheating.

COMPASSIONATE WITHDRAWAL

KPU expects students to attend the scheduled educational activities for which they have registered and to complete the required course and program requirements. KPU also recognizes that may not be possible due to family, medical or emotional problems. In such cases the student will be treated with compassion and every effort will be made to help them complete their studies.

Students with short-term medical, emotional or other problems may request extensions on deadlines or other considerations from instructors or program coordinators. Where possible, such requests will be responded to favourably and without prejudice.

Students with longer-term medical, emotional or other problems who are unable to meet the deadline for withdrawal may request a complete withdrawal on compassionate grounds. Withdrawal under such circumstances will normally be without academic penalty, provided students notify KPU in a timely manner and are in good academic standing at the time the medical, emotional or other problem developed. An Appeal form is available at Student Enrolment Services.

See policy C.34 (kpu.ca/policies) for further details.

Tuition & Fees

The KPU Board of Governors has approved tuition and other fees for each program. They vary depending upon the type and duration of the program. Senior citizens (age 65 and older) are not charged tuition or other fees for most courses. In addition to KPU approved tuition and fees, students also pay fees levied by the Kwantlen Student Association (KSA). Detailed explanations of the KSA fees follow the fee tables.

Tuition and fees are normally stated as a rate per credit. Therefore, the cost of a course can normally be calculated by looking at its credit value in the Calendar Course Descriptions and

multiplying by the rate. Note in some cases, a maximum or flat rate for a given semester or year is charged.

This fee schedule applies from 1 August 2014 to 31 July 2015. KPU reserves the right to amend this schedule without notice. Rates are listed in Canadian dollars.

REGISTRATION FEES & TUITION TABLES

What type of program?

The type of program that you are in can be found on the program page in the KPU Calendar in the Admission Type section.

CHARGES FOR OPEN ADMISSION OR SELECTIVE ENTRY PROGRAMS (CREDIT-BASED)

Canadian Citizens or Permanent Residents	Tuition	Student Fees (LTSD)*
Tuition Category 2.a.1 <i>(applies to most undergraduate and university preparatory programs)</i>	\$ 131.05 per credit	\$ 9.17 per credit
Tuition Category 2.a.2 <i>(applies to Special Education Teacher Assistant, upper-level Music courses)</i>	\$ 158.35 per credit	\$ 11.08 per credit
Tuition Category 2.a.3 <i>(applies to Bachelor of Design, Product Design)</i>	\$ 176.85 per credit	\$ 12.37 per credit
Tuition Category 2.a.4 <i>(applies to Health Unit Coordinator, Bachelor of Science in Nursing Post-Baccalaureate)</i>	\$ 202.40 per credit	\$ 14.16 per credit
Tuition Category 2.a.5 <i>(applies to Brewing and Brewery Operations)</i>	\$ 250.00 per credit	\$ 17.50 per credit
International	Tuition	Student Fees (LTSD)*
All categories	\$ 525.00 per credit	\$ 25.00 per credit

Kwantlen Student Association Fees (all students)	
Operating Fund	\$ 9.00 plus \$ 3.00 per credit†
Bursary Fund	\$ 1.00 per semester
Lobby Fund	\$ 0.29 per credit
SUB Capital Fee	\$ 2.30 per credit
START Volunteer Program	\$ 0.37 per credit
Reboot Computer Service	\$ 0.30 per credit
Peer Counselling	\$ 0.15 per credit
Advocacy Service	\$ 0.10 per credit
Clubs and Events	\$ 0.65 per credit
Social Justice Fee	\$ 0.15 per credit
Intramurals	\$ 0.25 per credit
Student Publication Fee	\$ 0.75 per credit
Radio Free Kwantlen	\$ 0.13 per credit
Kwantlen Public Interest Research Group	\$ 0.80 per credit
Canadian Federation of Students	\$ 0.96 per credit ‡
Student Association Extended Health Plan	\$ 80.00 per year
Student Association Dental Plan	\$ 110.00 per year
Multi-Pass	\$ 46.75 per month (\$48.00 effective May 1, 2015)

* Student fees for libraries, technologies and student life

† to a maximum of \$ 50.00 per semester

‡ to a maximum of \$ 8.60 per semester

CHARGES FOR CO-OPERATIVE EDUCATION WORK TERMS

Canadian Citizens or Permanent Residents	Tuition	Student Fees (LTSD)*
Full-Time Work Terms	\$ 589.73 per work term	\$ 41.28 per work term
Part-Time Work Terms	\$ 294.86 per work term	\$ 20.64 per work term
International	Tuition	Student Fees (LTSD)*
Full-Time Work Terms	\$ 589.73 per work term	\$ 41.28 per work term
Part-Time Work Terms	\$ 294.86 per work term	\$ 20.64 per work term
Kwantlen Student Association Fees	Exempt†	

* Student fees for libraries, technologies and student life

† Work term credits do not count towards KSA membership, services, or fees.

CHARGES FOR FIXED TERM PROGRAMS

Canadian Citizens or Permanent Residents	Tuition	Student Fees (LTSD)*
Tuition Category 2.b.1	\$ 114.20 per week	\$ 7.99 per week

(applies to most vocational programs)

Tuition Category 2.b.2 (applies to Arborist Technician Apprenticeship)	\$ 234.05 per week	\$ 16.38 per week
International	Tuition	Student Fees (LTSD)*
Tuition	\$ 525.00 per week	\$ 25.00 per week
Kwantlen Student Association Fees (all students)		
Operating Fund	\$ 2.90 per week	
Bursary Fund	\$ 0.10 per week	
Lobby Fund	\$ 0.27 per week	
SUB Capital Fee	\$ 2.10 per week	
START Volunteer Program	\$ 0.35 per week	
Reboot Computer Service	\$ 0.27 per week	
Peer Counselling	\$ 0.14 per week	
Advocacy Service	\$ 0.09 per week	
Clubs and Events	\$ 0.60 per week	
Social Justice Fee	\$ 0.14 per week	
Intramurals	\$ 0.23 per week	
Student Publication Fee	\$ 0.69 per week	
Radio Free Kwantlen	\$ 0.12 per week	
Kwantlen Public Interest Research Group	\$ 0.72 per week	
Canadian Federation of Students	\$ 0.86 per week	
Student Association Extended Health Plan	\$ 80.00 per year	
Student Association Dental Plan	\$ 110.00 per year	
Multi-Pass	\$ 46.75 per month (\$48.00 effective May 1, 2015)	

* Student fees for libraries, technologies and student life

** Apprentices are also assessed an Apprentice Evaluation Fee of \$10.00. See Apprenticeship Payments, Refunds and Fee Adjustments for more information.

CHARGES FOR CONTINUOUS INTAKE PROGRAMS (FULL-TIME)*

Canadian Citizens or Permanent Residents	Tuition	Student Fees (LTSD)†
Tuition	\$ 114.20 per week	\$ 7.99 per week
International	Tuition	Student Fees (LTSD)†
Tuition	\$ 525.00 per week	\$ 25.00 per week

Kwantlen Student Association Fees (all students)	
Operating Fund	\$ 2.90 per week
Bursary Fund	\$ 0.10 per week
Lobby Fund	\$ 0.27 per week
SUB Capital Fee	\$ 2.10 per week
START Volunteer Program	\$ 0.35 per week
Reboot Computer Service	\$ 0.27 per week
Peer Counselling	\$ 0.14 per week
Advocacy Service	\$ 0.09 per week
Clubs and Events	\$ 0.60 per week
Social Justice Fee	\$ 0.14 per week
Intramurals	\$ 0.23 per week
Student Publication Fee	\$ 0.69 per week
Radio Free Kwantlen	\$ 0.12 per week
Kwantlen Public Interest Research Group	\$ 0.72 per week
Canadian Federation of Students	\$ 0.86 per week
Student Association Extended Health Plan	\$ 80.00 per year
Student Association Dental Plan	\$ 110.00 per year
Multi-Pass	\$ 46.75 per month (\$48.00 effective May 1, 2015)

* Fees for part-time programs are pro-rated.

† Student fees for libraries, technologies and student life

CHARGES FOR ADULT BASIC EDUCATION PROGRAMS

Tuition is waived for Adult Basic Education courses. However, students are charged Student fees for libraries, technologies and student life and the Kwantlen Student Association fees at the credit or continuous intake rate as appropriate.

CHARGES FOR OTHER PROGRAMS

Charge	Canadian Citizens or Permanent Residents	International
Prior Learning Assessment	\$ 131.05 per credit	\$ 525.00 per credit
Access Programs for People with Disabilities	\$ 28.55 per week	n/a
Career Choices and Life Success	Tuition waived†	n/a
Post-Baccalaureate Diploma in Technical Apparel Design	\$ 525.00 per credit†	\$ 525.00 per credit†

†add libraries, technologies and student life fee (LTSD), and KSA fees

TEMPORARY INSURANCE PLAN (INTERNATIONAL STUDENTS ONLY)

All new international students coming to KPU will automatically be enrolled in KPU's Temporary Medical Insurance Plan upon

registration in classes for their first semester. Coverage begins on the first day of the month before the start date of a semester. Each student's name, student number, email, gender, and date of birth will be released to the insurer and plan administrators. Students will be enrolled in the plan for each semester until they can provide proof of coverage in the province's health care plan. This is coverage for basic medical costs and services and is addition to the KSA Extended Health and Dental Plans.

Semester	Coverage Start Date*	Coverage End Date	Opt-Out Deadline†	Fee‡
Fall 2014 (September)	September 1, 2014	December 31, 2014	September 30, 2014	\$ 190.00
Spring 2015 (January)	January 1, 2015	April 30, 2015	January 31, 2015	\$ 190.00
Summer 2015 (May)	May 1, 2015	August 31, 2015	May 31, 2015	\$ 190.00

New international students beginning studies at KPU during Session Two will be assessed the Temporary Insurance Plan at a flat rate of \$100. Coverage period begins on the first day of Session Two and ends on the Semester Coverage End Date. Opting out will be handled solely through the carrier.

Notes:

* Students are covered for the period shown, regardless of the first date of study.

† See Opting Out

For more information about the Temporary Insurance Plan, please contact the Office of International Students & Scholars (kpu.ca/oiss).

Proof of Coverage

Proof of approved BC Medical Services Plan coverage can demonstrated using one of the following documents:

1. BC Service Card; or
2. Letter from Health Insurance BC; or
3. BC Medical Services Plan Invoice from Revenue Services.

Opting Out

A student is able to opt-out of the insurance plan through KPU and receive a 100% refund for the current semester provided they submit proof they are covered by the British Columbia Medical Services Plan (BCMSP) coverage prior to the start of the KPU Temporary Basic Medical Insurance coverage. This must be done prior to the Opt-Out deadline for each semester. The BCMSP coverage **must begin prior to the coverage start date** of the KPU **Temporary Medical Insurance Plan** in order for the student to be able to receive a full refund. Students must opt out online at: finkelsteinfinancial.com/temporary-medical-insurance-opt-out-form

IMPORTANT: All international students must opt out online with proof of their BCMSP coverage or they will continue to be enrolled in the KPU Temporary Medical Insurance program in following semesters.

ABOUT KWANTLEN STUDENT ASSOCIATION FEES

In addition to tuition fees, students are required to pay Student Association fees. These include:

- Advocacy Service
- Reboot Computer Service

- Bursary Fund
- Clubs and Events
- Intramurals
- Kwantlen Public Interest Research Group
- Lobby Fund
- Operating Fund
- Radio Free Kwantlen
- Peer Counselling
- Social Justice Fee
- START Volunteer Program
- Student Publication fee
- SUB Capital Fee
- Canadian Federation of Students
- Multi-Pass
- Student Association Dental Plan
- Student Association Extended Health Plan

All students, except senior citizens [age 65 and older], Summer Language Bursary recipients, those enrolled in Access Programs for People with Disabilities, students in a Co-operative Education work term, students concurrently enrolled in secondary school programs, and Continuing Professional Studies students, pay these fees. For a detailed explanation of these fees, see the Kwantlen Student Association (www.kusa.ca) web site.

STUDENT ASSOCIATION EXTENDED HEALTH AND DENTAL PLANS

The Kwantlen Student Association has implemented, by means of student referendum, a mandatory health and dental plan providing extended medical coverage and a student dental plan. Enrolment in these plans is a requirement of registration at the University for all students with a course load of 60% (9 credits) or more. The name, student number, address, gender and date of birth of students eligible for enrolment in the plan will be released to the insurer and the plan administrators.

There is a provision for opting out of either or both plans if a student is able to provide proof of comparable existing coverage. Specific instructions for opting out are available online.

All questions or concerns about plan coverage or opting out of the Student Health and Dental Plan should be directed to the Student Service Coordinator:

Cloverdale:	604.598.6053	Tel:	604.599.2431
Langley:	604.599.3389	Fax:	604.599.2432
Richmond:	604.599.2721	Website	www.mystudentplan.ca/kwantlen
Surrey:	604.599.2126		

STUDENT ASSOCIATION MULTI-PASS

The Kwantlen Student Association has implemented, by means of student referendum, a mandatory university bus pass (UPASS) plus additional services. Enrolment in these plans is a requirement of registration at the University for all students with a course load of 3 credits or more or who have tuition charges that exceed the Total Fare Value of a three-zone bus pass.

Multi-Pass charges are levied for each month in which the course(s) begin prior to the 15th of the month, and for each month in which the course(s) end on the 15th or later of the month.

Students who withdraw from all courses, will be refunded their Multi-Pass fees for the month(s) following their withdrawal.

There is a provision for exemption from the Multi-Pass if a student is able to provide documentation in support of one of the following scenarios:

- Students who hold a valid U-Pass BC from another post-secondary institution within Metro Vancouver.
- Students who hold a valid, non-transferable Transit Pass that is valid for the duration of their study period.
- Students who are permanently or temporarily disabled and whose physical or cognitive barriers cannot be accommodated using the U-Pass.
- Students living outside of Metro Vancouver or over 1500 metres from the nearest TransLink access point.
- Students required to carry very large instruments as part of their KPU program requirements.
- Students required to insure and operate a vehicle insured for business use (e.g. ICBC rate class 007 or 027).

For more information about the U-Pass BC Transit Pass, including eligibility for exemption, please visit kpu.ca/upass.

For questions or concerns about the Multi-Pass program, please contact the Kwantlen Student Association at:

Cloverdale:	604.598.6053
Langley:	604.599.3389
Richmond:	604.599.2721
Surrey:	604.599.2126
Website	http://ksamultipass.ca/

Other Fees

Fees are subject to change without notice. These fees are in effect from 01 August 2013 to 31 July 2014.

APPLICATION FEES

Fee	Description	Amount	Conditions
Application Fee	Canadian and Permanent Residents	\$ 40.00	Seniors discount. Non-refundable.
International		\$ 120.00	Non-refundable
Re-application Fee	Canadian and Permanent Residents	\$ 20.00	Non-refundable
International		\$ 120.00	Non-refundable
Reinstatement Fee		\$ 40.00	Non-refundable

PRE-ADMISSION FEES

Fee	Description	Amount	Conditions
Document Evaluation	Canadian - inside BC	No charge	
Canadian - outside BC		\$ 25.00	Non-refundable
International		\$ 50.00	Non-refundable

Program Acceptance Deposit	Canadian and International	Varies by program	Non-refundable
International Deposit	International	\$ 1000.00	Non-refundable

PAYMENT FEES

Fee	Description	Amount	Conditions
Late Payment Fee	5% of account balance (min. \$ 10.00) assessed monthly.	Varies	Assessed for a fee payment which is made after the payment deadline.
Returned Cheque Fee		\$ 40.00	Non-refundable
Duplicate T2202A Tax Form Fee		No charge if accessed online	T2202A Tax Forms can be viewed online and a duplicate copy printed from KPU's Online Self-Service system.

PROGRAM COMPLETION FEES

Fee	Description	Amount	Conditions
Graduation Credential		No charge	
Replacement Graduation Credential		\$ 25.00	Non-refundable
Convocation Ceremony		No charge	
Transcripts	Both official and student copies	\$ 5.60 electronic \$ 7.84 paper \$ 10.50 certified legal \$ 28.00 rush (GST included)	Non-refundable. Rush pick available: Surrey, Richmond, Langley and Cloverdale within 24 hours. Monday to Friday only.
Records request	Unofficial file copy of a students' record, or portions of it	\$0.50/page	Non-refundable. Allow five business days for processing. Note transcripts from other institutions are not included.
Certified Copies of Academic Records for Legal Purposes	Includes an official transcript	\$105.00 (GST included)	

EXAM AND GRADE FEES

Fee	Description	Amount	Conditions
External Invigilation Charge		\$ 50.00	Per exam. Non-refundable.
Grade Appeal Fee		\$ 25.00	Refundable if appeal granted.
Supplemental Examination		\$ 15.00	Per exam. Non-refundable.

MISCELLANEOUS FEES

Fee	Description	Amount	Conditions
Confirmation of Enrolment: General	Available at SES while you wait.	No charge	Standard issue. Does not include completion of external forms.
Confirmation of Enrolment: Special Purpose	Ordered at SES.	\$ 20.00	Allow up to 5 days for processing.
Student ID/Library Card Replacement		\$ 5.00	Non-refundable.
Book Deposit/Equipment Fee/Material Fee		Variable	Paid at the time of registration.
Upgrading, Training and Professional	Determined by faculty	Variable	See individual programs for information

TESTING & ASSESSMENT FEES

Accuplacer ELST	\$35.00
ACP English Assessment	No fee
ACP Math Assessment	No fee
Health Unit Coordinator/HCAP	\$25.00
English Placement Test (EPT)	\$35.00
Invigilations (3 hours)	\$50.00 for 3 hours / a \$10.00 surcharge will apply for each additional hour or portion thereof.
KIST	\$35.00
Math Placement Test (MPT)	\$25.00
RESP test	\$50.00
RESP (Product Knowledge) Rewrite only	\$10.00
Typing Test	\$25.00

Vocational (Trades) Test - English \$25.00

Vocational (Trades) Test - Math \$25.00

The Language Proficiency Index (LPI) is administered on behalf of the University of British Columbia. Students wishing to write the LPI must register and pay through UBC at www.lpi.ubc.ca

Paying Your Fees

PAYMENT OF FEES

Registration Deposit

Prior to registering, students must have a credit of \$250.00 on their student account. The registration deposit is used as partial payment for courses in which the student is registered. It is non-refundable. If a student does not register at all in the semester, KPU will automatically transfer their deposit to the next term. A registration deposit can be transferred to the next semester a maximum of two times. Registering and then dropping all courses results in forfeiture of the registration deposit.

Program Acceptance Deposit

Limited enrolment program applicants are required to remit a non-refundable and non-transferable Program Acceptance Deposit (from a minimum of \$250 to a maximum of 25% of the program fee) at the time the applicant is offered a seat. If the student completes the registration process, this deposit will be applied towards the full tuition fees. Payment of this deposit constitutes the equivalent of payment of the first-term registration deposit.

Payment of the Program Acceptance Deposit signifies acceptance of the seat by the applicant. Should the applicant not complete the registration process by registering on or before a specified deadline, the Program Acceptance Deposit is forfeited and retained by the University and the seat will be offered to another qualified applicant.

International Deposit

International applicants who are new to the institution must pay a non-refundable and non-transferable International Deposit of \$1000 CAD prior to admission. The International Deposit will apply towards the tuition assessed for the first semester of study.

The International Deposit will be refunded only if a student is denied a study permit by Citizenship and Immigration Canada (CIC). The original letter of refusal from CIC must be submitted prior to the first day of classes along with the International Deposit Deferral/Refund Request Form.

Students who do not register for the semester specified will forfeit the entire International Deposit.

Fee Payment Deadlines

Instructions for the payment of fees assessed during registration are included as part of the online Registration Guide and Timetable for each semester.

Fees must be paid by the first deadline as published in the Registration Guide and Timetable each semester. If a student does not make arrangements to pay their fees in full by the first payment deadline, their entire semester registration may be cancelled without notification. For any registration activity after the first payment deadline students are required to pay in full immediately after registering, and no later than the arrears

deadline (after the end of late registration). If a student does not pay their fees by the arrears deadline their registration will not be cancelled. They will be billed for the outstanding fees and assessed a late penalty (currently 5% of the outstanding amount, with a \$10.00 minimum).

An additional penalty will be assessed on any outstanding balance four weeks after the first billing. Should the outstanding account balance not be paid at this time, the University reserves the right to forward the account to collections.

FIXED TERM PROGRAMS

Students registering in a fixed term program will be notified by the Office of Admissions of the date by which fees must be paid. All fees must be paid prior to the start of classes.

CONTINUOUS INTAKE PROGRAMS

Students registering in continuous intake programs are required to pay for one semester (or the balance remaining) of tuition and other fees in advance, before beginning classes.

Students who are granted Fee Deferrals must contact Student Enrolment Services by the due date to arrange for continuation of their registration. Students for whom paying their tuition and other fees three months in advance is a hardship will be permitted to pay on a monthly basis if recommended by the Registrar or designate or the Financial Awards Officer after completing an assessment of need.

Students who do not pay their fees by the close of business on the first day of classes for the month for which fees are due will be subject to a late payment fee. A student who fails to pay the fees owing by the close of business on the third day of classes for the month for which fees are due will have her or his registration cancelled and the seat may be offered to another student.

The student may appeal for reinstatement through the normal KPU appeal process. If reinstatement is approved, the student will be required to pay a reinstatement fee in addition to the late payment fee. Reinstatement will be subject to the availability of a seat in the program.

HOW TO PAY

Payment for domestic registration fees and tuition may be made by online banking, cash, cheque, debit card, *Interac Online*, bank transfer or money order. In addition, payment may be made by Passport to Education, scholarship, bursary, student loan or by a sponsoring agency. In-person third party payments are only permissible if accompanied by a written authorization bearing the student's signature, and the name of the third party.

Credit Cards

Domestic students may pay registration fees and tuition by MasterCard credit card. However a third-party convenience fee of 2% will be levied. As the convenience charge is levied by a third-party, it is important to note that it is non-refundable by KPU, under any circumstance. See kpu.ca/payments for more information.

International registration fees and tuition, international deposits, registration deposits, Program Acceptance Deposits, and Other Fees may be paid by credit card (Visa and MasterCard) as well as all the options listed below.

Passport to Education

Students using a Passport to Education as payment, will need to provide their Social Insurance Number for any amounts over \$500.00. Passport amounts in excess of the account balance on

a student's account will be refunded by cheque via postal mail about four weeks after registration ends.

Scholarships, Bursaries and Loans

Scholarships, Bursaries and Loans students relying on the proceeds from a scholarship, bursary or student loan to pay their tuition and other fees should refer to the Registration Guide and Timetable for each semester, or contact Student Awards and Financial Assistance (SAFA) regarding the deadline for a fee payment override.

Sponsored Students

Students whose fees are being paid by a sponsoring agency must ensure that a Letter of Authorization is received by Financial Services before your registration date. If you are relying on a sponsorship to cover the Registration Deposit, you must provide the Letter of Authorization before you can register. The Letter of Authorization may be faxed to the attention of **Accounts Receivable** at **604.599.2338**. Any questions concerning sponsorship should be directed to **Accounts Receivable** at **604.599.2242** or **604.599.2057**.

FINES, BALANCES, REFUNDS AND ADJUSTMENTS

Returned Cheques

If a cheque is issued in payment for fees and is returned for any reason prior to the first payment deadline, students will have their registration cancelled. If a cheque is issued in payment for fees and is returned for any reason after the start of classes, students will not be removed from their program and/or courses. Instead, they will be billed for the amount owing and NSF fees and payment penalties will be applied.

Account Balances

It is the student's responsibility to ensure that any outstanding charges from previous registrations or other transactions with KPU have been cleared. KPU reserves the right to initiate action regarding any monies owed by the student in order to ensure that collection matters are brought to a timely and satisfactory conclusion.

Refunds and Fee Adjustments

Refunds or adjustments are provided under the conditions stated in Policy **C.39**. Specific instructions regarding the refund or adjustment of fees are provided in the Registration Guide and Timetable for each semester. Refund cheques will normally be mailed within six weeks after eligibility has been determined. The minimum amount refunded will be \$5.00.

Policy **C.39** can be viewed at the Library or online at kpu.ca/policies for further details.

OPEN ADMISSION AND SELECTIVE ENTRY

In general, students are entitled to a full refund, or a full reduction in outstanding fees, less the amount of the Registration Deposit, when courses are dropped by a specified deadline prior to the start of classes. This deadline is published in the online Registration Guide and Timetable.

Students who withdraw by the published deadline during late registration and thereby reduce their course load, will be granted a partial refund, or partial reduction in assessed fees (currently 70% of tuition fees). If the withdrawal is from all courses for the

semester, the minimum charge assessed is the amount of the Registration Deposit.

If the adjusted fees exceed the amount already paid on the account, the student will be required to pay the difference by the Fee Payment Deadline. Late payments are subject to a penalty.

A student who withdraws from courses after the deadline specified for refunds/fee adjustments is not entitled to a refund if the course load is decreased.

FIXED TERM PROGRAMS

Certain programs may establish individual refund schedules. These programs will provide information to students on the refund/fee adjustment deadlines prior to or upon registration.

In general, students who withdraw prior to the start of classes/program will receive a full refund or fee reduction, less the Deposit. Students who withdraw by the end of the first week of classes/program will be entitled to a partial refund or fee reduction (currently 70% of tuition fees). The minimum fee assessed is the amount of the Deposit or the 30% of the tuition fees, whichever is greater. A student who withdraws from a program or course after the first week of classes is not entitled to a refund.

CONTINUOUS INTAKE PROGRAMS

Students registered in continuous-intake programs are entitled to a refund or fee reduction of tuition and Student Association fees for each full month paid for but not utilized. Refunds will not be granted for partial months.

GUIDED STUDY

Because of the particular fee payment arrangements for instructor services, a student signing a guided study contract will not be eligible for any refund after the course has begun.

Student Services

Student Services

In this section, you will find:

- About Student Services
- Student Responsibilities
- Aboriginal Student Services
- Alumni
- Athletics and Recreation
- Career and Educational Resource Centres
- Career Services
- Co-operative Education
- Counselling
- Educational Advising
- Global Learning Experiences
- Kwantlen Polytechnic University Foundation
- Kwantlen Student Association
- Learning Centres
- Office of the Registrar
- Services for Students with Disabilities
- Student Life and Development

Student Responsibilities

Kwantlen Polytechnic University is a learning community committed to providing a safe and civil environment which is respectful of the rights, responsibilities, well-being and dignity of all its members. As a member of the KPU community students can expect to be a part of a respectful, engaging, collaborative, creative and innovative environment. KPU's culture is based on critical inquiry, collegial debate, knowledge generation, freedom of expression, diversity and environmental stewardship and sustainability.

RIGHTS AND RESPONSIBILITIES

KPU has established policies and procedures to ensure that all members of the University community may benefit from the promotion of its core values. The University upholds and will take reasonable steps to ensure that students, as members of the University community, are aware of their rights and responsibilities, as follows:

Student Rights

1. Every student has a right to pursue their education in an environment that is safe, secure and conducive to learning. Students have a right not to be subjected to harassment, sexual harassment, bullying or discrimination, indignity, injury or violence.
2. Students have the right to free inquiry, expression, belief, political association and assembly, provided they do not interfere with the rights of others, with the effective operation of the University or violate other University policies and procedures.
3. Every student has a right to due process and procedural fairness in any investigation of allegedly improper student conduct or alleged violations of Policy.

4. Every student has a right to a protection of privacy consistent with University Policy and existing privacy legislation.
5. Students have the right to be informed of the content and requirements of their courses and programs.
6. Students have the right to reasonable and legitimate access to the University's buildings and facilities.
7. Students have the right to reasonable access to statements of policies, procedures and guidelines of the University and student organizations.
8. Students have the right to form clubs and committees through the Student Association and to associate with other organizations to promote common interests.
9. Students have a right to a responsible student press independent of university structure.

Student Responsibilities

Along with rights come certain responsibilities. Academic and nonacademic integrity are inherent in student responsibilities.

1. Students at KPU are expected to act consistently with the values of the University community (kpu.ca/mission/mission-mandate) and to obey local, provincial and federal laws.
2. Every student is responsible for abiding by all KPU policies. KPU policies can be found at kpu.ca/policies.
3. Students are responsible for exercising their freedoms with honesty, integrity, and respect for the principles of justice, equality and human rights.
4. Every student is responsible for contributing to making KPU community safe, respectful and inclusive. Students must refrain from conduct that threatens or endangers the health, safety, well-being or dignity of any person.
5. Students are expected to be individually responsible for their actions whether acting individually or in a group. Students are considered by the University to have an obligation to make legal and responsible decisions concerning their conduct and to model and convey the University's expectations of conduct to their guests.
6. Every student is responsible to resolve academic and personal problems by communicating with the appropriate University personnel.
7. Every student is responsible to keep the University informed of their current mailing address and any change of name.
8. Every student is responsible to observe and obey all health and safety procedures outlined for classrooms, laboratories, field trips and practicums.
9. Students are responsible to become familiar with course outlines, content, evaluation methods, timelines and methodology.
10. Students are responsible for reading their e-mail as directed to their University-assigned e-mail account and for responsible use of technology. Students are reminded that images, postings, dialogues, and information about themselves or others posted on the internet (e.g. on social networking sites such as MySpace and Facebook) are public information. While University officials do not actively monitor these sites, content that is brought to the attention of the University which describes or documents behaviour that reasonably suggests breach of University policy (i.e. Conduct, Human Rights, Information and Educational Technology Usage, Violence in the Workplace) is subject to further investigation. The University reserves the right to

appropriately respond to these incidents, which may include disciplinary action.

The Office of Student Risk and Judicial Affairs can assist students with issues arising out of Student's Rights and Responsibilities. The Office of Student Risk and Judicial Affairs can be reached at 604 598-6017.

Each student attending KPU must accept her or his responsibilities as an adult and adhere to KPU policies, procedures and deadlines as published. This information is available in the online Calendar and in other KPU publications. Questions regarding these matters may be directed to Counselling, Educational Advising, or Office of the Registrar.

ATTENDANCE AND PERFORMANCE

It is each student's responsibility to attend classes regularly, to keep work up to date and to complete assignments as required. Final grades are based largely on completed assignments, tests and class participation.

Certain courses/programs are structured to simulate a workplace or job environment. Others require that students work extensively in groups to meet the course objectives. Students are expected to attend classes regularly, to be punctual, and to demonstrate a satisfactory level of performance and rate of progress within the timelines set for the various course activities. Failure to meet these expectations may result in failure in the course.

While KPU has deliberately avoided imposing attendance and progress requirements to encourage students to accept personal responsibility, the nature of some courses or programs and the structure of the curriculum in these programs are such that a policy is required. KPU's policies B.2 and B.7 (kpu.ca/policies) address issues specific to Individualized, Continuous-Intake, Semester and other fixed term programs. The primary responsibility for enforcement of these policies rests with the instructor.

The following specific areas of concern are addressed by these policies:

- Students with irregular attendance
- Students who habitually arrive late and/or leave early, or who take prolonged rest breaks
- Students who may have satisfactory attendance but who do not demonstrate reasonable progress through the course or program
- Students who consistently fail to meet their obligations as team members in courses where this is a significant requirement

Any student under the sponsorship of the Human Resources Development Canada (HRDC) must meet the requirements of that agency. KPU assumes responsibility for complying with the reporting procedure required by HRDC.

Courses where these policies apply will be so identified by the appropriate curriculum committee. Once approved, a statement to the effect that this policy applies will be included in the evaluation section of the course outline and in the course presentation forms.

Courses where these policies apply will be so identified by the appropriate curriculum committee. Once approved, a statement to the effect that this policy applies will be included in the evaluation section of the course outline and in the course presentation forms.

ACADEMIC HONESTY AND PLAGIARISM

Plagiarism is broadly defined as presenting someone else's ideas or work without acknowledging the source. Plagiarism in academia is considered academic dishonesty. Cheating refers to plagiarizing the work of another student, with or without permission, or to obtaining answers to tests, for example, from sources not permitted at the time. Plagiarism and cheating is a serious educational offense. KPU condemns all forms of cheating, students will be held accountable for cheating in the following manner:

For most first offences, a grade of zero will be awarded for the affected assignment, test, paper, analysis, etc.

For most second offences, a failing grade will be assigned in the affected course.

Depending upon the circumstances surrounding the first or second offence, a more severe level of discipline may be imposed by KPU.

Any student who contributes to an act of academic dishonesty by another student may also face disciplinary action.

KPU's policy on Plagiarism and Cheating (C.8) further defines and outlines the process of academic dishonesty.

Examples of cheating and plagiarism are available online here: kpu.ca/__shared/assets/Honesty1432.pdf

STUDENT CONDUCT

Students must maintain an appropriate standard of conduct. They must obey the law and KPU regulations, demonstrate respect for all persons on the campus, and display mature conduct. They are held responsible for their individual or collective actions.

KPU must maintain an environment conducive to learning. At times, it may require students to leave the educational setting, so as to preserve the environment or to ensure that all KPU constituents have access to a safe working and learning environment. KPU has developed a policy C.21, Student Conduct and procedures that take into account the interests of all persons involved.

The Student Conduct policy addresses KPU's major concerns about misconduct, disruptive behaviour and safety within the KPU community. Faculty and staff are responsible for dealing with minor misconduct. The Office of Judicial Affairs has the authority to respond to more serious situations. The Office of Judicial Affairs can assist with matters pertaining to student conduct. They can be reached at 604 598-6014.

COMPLAINTS

See policy C.6 that can be viewed at the Library or online at kpu.ca/policies for further details.

KPU has a tradition of service to students. However, problems may sometimes occur in a community as diverse as KPU. KPU recognizes that students may wish to complain about instructors or other employees, services or other students or policies. KPU C.6 policy outlines the procedures that have been established to deal with these matters. These procedures have been developed to protect the rights of all concerned. There are services at KPU that students may be referred to for general assistance and advice on how to proceed with a complaint. This assistance can include guidance on whether the matter is serious enough to

complain about or on the complaint process itself. These services include:

Counselling Services:

This service can provide assistance to students regarding the complaint process.

Student Association:

The Association maintains a student advocate to assist students.

Aboriginal Student Services

The office of Aboriginal Student Services provides access to

- Information on scholarships, awards, First Nations Band and Metis funding
- Information on KPU programs
- Tutoring services
- Employment opportunities
- Connections and referrals to Aboriginal organizations, recreational and cultural activities and events
- Referrals to other KPU services

WHERE TO FIND US

The Aboriginal Student Services is located in the Aboriginal Gathering Place in the Surrey Main Building on the Surrey Campus.

CONTACT INFORMATION

Coordinator:	Darlene Willier
Phone:	604.599.2474
Email:	darlene.willier@kpu.ca
Website:	kpu.ca/aboriginal

Alumni

Kwantlen Polytechnic University Alumni Association (KPUAA) is an extension of KPU's commitment to your personal and professional success. Comprised of 42,000 highly skilled and diversely educated KPU alumni, KPUAA provides an additional collection of tools and benefits to support graduates throughout their lifetime.

The word "alumni" refers to anyone who was granted a degree, honorary degree, diploma, certificate or citation by Kwantlen College, Kwantlen University College or Kwantlen Polytechnic University. There is no charge for membership in KPUAA and upon graduation, students automatically become members.

KPU alumni have access to a variety of 'Tools for Success' benefits including: career counselling, KPU's electronic job posting system, a complimentary listing in the online alumni professional directory, a mentorship program, library services, recreation opportunities, meeting room services, discounted commercial printing services, bookstore discounts and a growing list of external programs and offerings.

The KPUAA website (kpu.ca/alumni) helps our grads stay in touch with KPU while keeping them updated on events and services specifically for them. The InTouch alumni e-Newsletter is sent out on a monthly basis to provide useful information for career and personal development while providing a platform to keep alumni abreast on KPUAA's latest activities. The publication

features alumni success stories, updates from our grads, event and benefits information.

Kwantlen Polytechnic University Alumni Association—Your lifelong partner in Success.

Kwantlen Polytechnic University Alumni Association

Phone:	604.599.3003
Email:	alumni@kpu.ca
Website:	kpu.ca/alumni

Athletics and Recreation

Represent KPU on a varsity team, take in a fitness class or battle it out for team supremacy in a recreation tournament. We offer many opportunities for you to elevate YOUR fun factor on campus!

ATHLETICS

For more information on athletics please contact the Department of Athletics and Recreation at 604.599.2980 or at kpu.ca/eagles.

Follow us on Twitter! #kwantleneagles

Like us on Facebook! Kwantlen Eagles Athletics

RECREATION

For more information on recreational opportunities, please visit the Recreation website at kpu.ca/recreation

Follow us on Twitter! #kwantlenrec

Like us on Facebook! Kwantlen Rec

SURREY CAMPUS FACILITIES

For a detailed Gymnasium and Fitness Centre schedule and prices please visit our website at kpu.ca/eagles

Career and Educational Resource Centres

The Career and Educational Resource Centre on each campus provides registered and prospective students with a wide range of information:

- Occupational and educational information, including labour market forecasts;
- Study skills information, including brief handouts and videotapes;
- Information on personal and self-help topics, including pamphlets and books;
- Referral information on community services and agencies; and
- Computers with Internet access for career or education related research.

To access the Career and Educational Resource Centres, simply drop by the rooms listed below. For hours of operation, please contact the Counselling Assistant at the phone number indicated below.

Career and Educational Resource Centres

Cloverdale:	604.599.6044	Room 1120
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Langley:	604.599.3213	Room 1077
Richmond:	604.599.2600	Room 1640
Surrey:	604.599.2044	Room C160

Career Services

Looking for Work? Part-time or full-time; business, arts, or trades; you name it, we've got it! Career Services proudly supports KPU students and graduates in finding meaningful employment, expanding and improving their tools needed to land the perfect job. Our objective is to help students transition from the 'learning experience' to a 'working experience'. Check out kpu.ca/careers for further information on our services and to view all the jobs available to you.

Career Services:

- provides monthly resume/cover letter and interview workshops
- provides individual work search assistance to students upon request
- maintains and instantly updates the Job Posting System for students and employers
- assists students and employers in using the Job Posting System
- connects with employers and students through social networking systems such as Facebook and Twitter
- provides information on international internships and job opportunities
- provides information on external career training scholarships
- conducts mock interviews with students to help them prepare for the competitive nature of the job market
- annually plans and executes Career Days
- assists employers by facilitating on campus recruitment
- provides employers with room rentals to conduct interviews or provide information sessions for students

Career Services also maintains various employment-related publications and magazines to assist KPU students in their search for employment. Come visit us in our new resource centre on the Surrey campus, C136. Start your career path today!

To learn more, visit us at kpu.ca/careers or call Career Services at 604.599.3401.

Co-operative Education

Co-operative Education (Co-op) formally integrates academic studies with paid, full-time work experiences at host employer organizations. The name reflects the co-operative relationship between the employer, the student, and KPU.

Students enrolling in Co-op programs benefit in many ways. They gain practical work experience while earning a competitive wage to help finance their education. They explore their career choice, develop goals and learn job search and career success skills. They also learn to apply their skills and knowledge in the world of work. Co-op programs provide the opportunity for students to acquire extensive career-related work experience with their diploma or degree.

The Co-op Education department is responsible for coordinating co-op work experiences. The Co-op office works with employers to develop experiences that integrate the skills and knowledge acquired by students in their on-campus courses. Faculty from

the department also instruct mandatory employment skills courses, instruct the work term courses and perform site visits to evaluate the work experiences with both student and employer. All students wishing to choose the Co-op option must first enroll in COOP 1101.

Co-operative Education work terms are typically four months in duration and begin with the start of each semester in January, May and September. Work terms are available locally, nationally and internationally with compensation for these roles being set by the employer.

Students completing all the requirements of a Co-operative Education program will receive a Co-operative Education designation on their credential and transcript.

KPU currently offers Co-op Education options within the programs listed below:

- Bachelor of Arts, Major in Criminology
- Bachelor of Arts in Community Criminal Justice
- Bachelor of Business Administration in Accounting
- Bachelor of Business Administration in Entrepreneurial Leadership
- Bachelor of Business Administration in Human Resources Management
- Bachelor of Business Administration in Marketing Management
- Bachelor of Technology in Information Technology
- Computer Information Systems Diploma
- Environmental Protection Technology Diploma
- Marketing Management Diploma

For more information about these Co-op programs, refer to the specific program section of the calendar.

For information about Co-op courses, see the Course Descriptions.

Students in Co-op programs are required to pay designated co-operative education tuition fees. See Tuition & Fees for more information.

GENERAL CO-OPERATIVE EDUCATION REQUIREMENTS

Declaration Requirements

Co-operative Education is optional and selective. Students wishing to choose the Co-op option must "declare" a change of their program status to include a "Co-op Option". Once declared, students will be eligible to register in COOP 1101 and participate in work terms. In order to declare, students must meet the Declaration Requirements for the program. To declare Co-op, students must complete a Co-op declaration by contacting the Co-op office.

Note: Seats for COOP 1101 are limited and available to students in a declared Co-op option on a first-come, first-served basis during the registration period.

Continuance Requirements

For students with a declared co-op option, ongoing requirements must be maintained in order to continue in the program. Specific Continuance Requirements are stated in the Co-operative Education section of each program. Failure to fulfil Co-op Continuance Requirements may result in the student being removed from the Co-op option of their program.

Work Term Requirements

Work terms consist of a minimum of 420 hours of work per work term. These hours plus confirmed satisfactory competency assessment reports during the work term from their employer(s) indicate mastery of a work term semester.

For students with a declared co-op option, participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101; and
- Instructor permission; and
- All work term requirements as stated in the Co-operative Education section of each program.

Please note that the Co-operative Education office attempts to secure relevant work-learning opportunities for all qualified co-op students, however employers follow normal hiring practices. As a result, KPU cannot guarantee that a student will be selected for a co-op work term.

Registration

Registration for a Co-op work term must be completed prior to the start of a work term. Extension of a Co-op work term to subsequent semesters or returning for an additional work term with a previous Co-op employer requires registration in the appropriate work term course. The University reserves the right to register a student placed in a work term if the student fails to do so.

Completion Requirements

Please note that for co-op options, you must complete your program on an academic term, not a work term. Also, credits for Co-op work term courses may only be used to satisfy graduation requirements for the Co-op option of the Diploma and Degree programs. These credits do not contribute to the overall required academic credits for non-Co-op programs.

Delaying a work term

Students who have completed COOP 1101 cannot delay more than two consecutive semesters when eligible for seeking a work term. Students who delay more than two consecutive semesters may be removed from the Co-op option of their program.

Student Conduct

Co-op students may be removed from the co-op option of their program if currently facing student misconduct issues as identified through the Office of Student Risk and Judicial Affairs.

Exit Requirements

Students wishing to exit the Co-op option of their program must complete a Co-op Withdrawal Form.

Students completing all the requirements of a Co-operative Education program will receive a Co-operative Education designation on their credential and transcript.

TRANSFERABILITY OF WORK TERMS

Work terms successfully completed (i.e., noted on transcript) in any approved BC post-secondary Co-op program shall be considered for transfer by the accepting institution using the regular transfer credit process.

The acceptance of a student for transfer into another institution having a Co-op program does not guarantee acceptance into the

Co-op program at that institution. An institution may still require that the transfer student complete additional work terms as part of his/her new program of study.

FOR MORE INFORMATION

Phone: 604.599.2465
Email: co-op@kpu.ca
Website: kpu.ca/coop

Counselling

KPU's professional counsellors assist registered students in three major areas: career, personal and academic. With a few, very rare exceptions, all information discussed with a KPU counsellor is considered private and is held in strict confidence.

For more information on our services, please visit our website at kpu.ca/counselling

CAREER COUNSELLING

Counsellors help students clarify their career and/or educational goals, either through Career Cycles and Career Exploration programs, career coaching or individual appointments. In addition, counsellors assist students in addressing career management and employability issues.

PERSONAL COUNSELLING

Counsellors help students with a wide range of personal issues that affect their academic performance and/or general well-being. Examples of common concerns:

- Adjustment to post-secondary studies
- Anxiety, depression and stress
- Relationship and family problems
- Perfectionism and procrastination
- Eating disorders
- Drug and alcohol use
- Assault or abuse
- Sexual identity
- Grief
- Trauma

In addition, counsellors assist students in crisis and make referrals for specialized help.

ACADEMIC COUNSELLING

Counsellors help students to develop the skills necessary for academic success through seminars, provided in partnership with KPU's Learning Centres, and through individual appointments. Examples of study skills topics include stress management, procrastination, memory, anxiety and depression, dealing with exam anxiety, and conflict management. In addition, counsellors assist students with the appeal and complaint processes.

APPOINTMENTS

To make an appointment with a counsellor, please contact the Counselling Assistance at the phone number indicated below:

Cloverdale: 604.598.6044 Room 1120
Langley: 604.599.3213 Room 1077

Richmond:	604.599.2600	Room 1640		Cedar Building
Surrey:	604.599.2044	Room C160	Phone:	604.599.2566

			604.599.2566
Fax:	604.599.2724		604.599.2449
Email:	oiss@kpu.ca		
Website:	kpu.ca/oiss		
Mail:	Kwantlen Polytechnic University		
	12666-72nd Avenue		
	Surrey, BC, Canada V3W 2M8		

For more information on Counselling Services, please visit our website at kpu.ca/counselling.

Educational Advising

Educational Advisors are available to explore educational options with you and help to develop an educational plan. Advisors can assist with:

- Program planning
- Course selection
- Repeat Course Requests
- Prerequisites and upgrading information
- Program and graduation requirements
- Transfer to KPU
- Transfer to other institutions
- Understanding KPU academic regulations and policies
- Educational planning for career goals
- Planning for graduate and professional school

Educational Advisors are available to assist students via email and in person through appointments, drop-ins and workshops. For more information, please visit our website at kpu.ca/advising.

To make an appointment, please visit Student Enrolment Services on any campus; or call us at 604.599.2000.

INTERNATIONAL STUDENT ADVISING

The Office of International Students and Scholars (OISS) provides advising, resources and coordinates student life activities to help international students succeed in their academics and successfully transition to student life in Canada.

International students are encouraged to contact an OISS International Education Advisor to discuss a range of both academic and non-academic supports that are available. To book an appointment with an advisor, please use the online Advisor Connect booking system at: kpu.ca/advising/advisor-connect.

The Office of International Students and Scholars also has open drop-in times between 2pm-4pm every Monday to Friday at the Surrey campus and the Richmond campus.

If you are a new international student to KPU, be sure to attend the International Student Orientation scheduled each semester at both the Richmond and Surrey campuses. For more information on dates please visit kpu.ca/international/orientation.

Some of the things that OISS can assist international students with include:

- Course planning, registration and program requirements
- Study, work permits and visas
- Academic deadlines, regulations and policies
- Volunteer and work opportunities on and off campus
- Student activities, peer mentorship and tutoring

OISS CONTACT INFORMATION

	Richmond Campus	Surrey Campus
Location:	Room 1565	Room 2005

Global Learning Experiences

The Office of International Students and Scholars (OISS) is the place to find out more about the international experiences available for credit to all KPU students. KPU has a wide range of opportunities in countries around the world for students from all programs and disciplines for both short and long term travel.

INTERNATIONAL EXCHANGE

International exchange is coordinated through KPU's network of partner universities around the world. KPU students pay tuition to KPU and remain a KPU student, but attend courses at a partner university for transfer credit. We encourage students to see all the programs and destinations available to students at the OISS website: kpu.ca/exchange.

KPU students who are considering going on exchange are also encouraged to meet with one of our OISS International Exchange Advisors for more information as well in order to best plan their courses both at home and abroad. There will also be a number of information sessions held about going away on exchange as part of your academic studies beginning in the Fall term.

Students from KPU partner universities interested in coming to KPU on exchange should apply through their home university's international office.

Students who wish to attend KPU as a visiting student, who are registered at a non-partner university are welcome to apply by following the instructions for "visiting students" at the OISS website at kpu.ca/OISS.

INTERNATIONAL FIELD SCHOOLS

International Field Schools are short-term KPU faculty led programs that combine in-depth study with a hands-on international experience. Field Schools are courses offered by KPU with international travel associated with the course curriculum. Each year KPU offers several international field schools for students. For a current list of KPU Field School offerings visit kpu.ca/exchange/field-schools.

OISS CONTACT INFORMATION

	Richmond Campus	Surrey Campus
Location:	Room 1565	Room 2005
		Cedar Building
Phone:	604.599.2566	604.599.2566
Fax:	604.599.2724	604.599.2449

Email: oiss@kpu.ca
Website: kpu.ca/oiss
Mail: Kwantlen Polytechnic University
12666-72nd Avenue
Surrey, BC, Canada V3W 2M8

Kwantlen Polytechnic University Foundation

The KPU Foundation was established in 2000, with the mission of raising funds to create quality life-long learning opportunities for KPU students to achieve personal, social and career success.

Governed by a Board of Directors, the KPU Foundation raises money to provide financial assistance to students and special projects initiated by the university. Each year, the KPU Foundation raises millions of dollars to support various KPU programs that enhance student learning opportunities. Much of these funds are gifted to students through KPU's scholarships, awards and bursaries program.

There are a variety of ways to demonstrate your support to KPU students by getting involved with the KPU Foundation. For more information on the Foundation, please contact us at foundation@kpu.ca or call us at 604.599.2010.

CONTACT US

Mailing Address: Kwantlen Polytechnic
University Foundation
12666-72nd Avenue Surrey,
BC
Canada V3W 2M8

Charitable Registration
Number: 861562924RR0001

Phone: 604.599.2010
Fax: 604.599.3138
Email: foundation@kpu.ca
Website: kpu.ca/foundation

Kwantlen Student Association

The Kwantlen Student Association (KSA) represents all students enrolled at KPU.

The mission statement of the KSA is "*...to support its members during their time of study by ensuring adequate provision for their welfare, activities, political, and social needs. Through its democratic procedures, the KSA represents and reflects the concerns and priorities of its membership to the University and beyond, and strives to uphold the rights of each of its members.*"

The KSA offers all KPU students support in three main areas:

1. Services;
2. Events & Student Life; and
3. Advocacy & Student Support

SERVICES

Member Services

The KSA's Member Services have an office on each campus and offers many free, commercial and discounted services to save students money.

Member Services sells the following:

- Long Distance Cards
- Prepaid Cell Phone Cards
- Movie Tickets
- Playland & PNE Passes
- Whistler Blackcomb Lift Ticket's
- Photocopying
- Binding & Laminating
- Low-Cost Colour Printing (in Surrey only)
- Long Distance Faxing

Member Services offers at no cost:

- Local Faxing
- Jumper Cable Loans
- OnCampus Locker Rentals
- On Campus Student Posting Boards
- Condoms
- Promotional products
- Agenda Student Planners
- International Student Identification Cards for Travel (<http://www.istc.org/>)

Student Association MultiPass

The Kwantlen Student Association has implemented, by means of student referendum, a mandatory university bus pass (UPASS BC) plus additional services. Enrolment in these plans is a requirement of registration at the University for all students with a course load of 3 credits or more or who have tuition charges that exceed the Total Fair Value of a three-zone bus pass.

MultiPass charges are levied for each month in which the course(s) begin prior to the 15th of the month, and for each month in which the course(s) end on the 15th or later of the month.

Students who withdraw from all courses, will be refunded their MultiPass fees for the month(s) following their withdraw.

There is a provision for opting out of the MultiPass if a student is able to provide proof of one of the following scenarios:

- are not enrolled in any classes within Metro Vancouver
- who hold a valid U-Pass BC from another post-secondary institution within Metro Vancouver
- who hold a Transit Pass that is valid for the duration of the U-Pass BC Term
- who are permanently or temporarily disabled
- who can demonstrate a musical instrument hardship (required to carry large musical instruments)

Students who feel they can clearly and definitely demonstrate financial hardship (such as those on income assistance with the Ministry of Social Development) should contact the KSA for more information.

All questions or concerns about the MultiPass should be directed to the Kwantlen Student Association:

Cloverdale:	604.598.6053
Langley:	604.599.3398
Richmond:	604.599.2721
Surrey:	604.599.2126
Website:	ksamultipass.ca

Other Services

BCBOOKWORM.COM

Buy & Sell your used textbooks on BCBookWorm.com (Free service)

GRASSROOTS CAFÉ-LOUNGE

The GrassRoots in the Surrey Cedar Building is KPU's only licensed restaurant. The GrassRoots serves organic fair-trade coffee and tasty healthy meals. There is an 8ft TV screen and computers for your enjoyment.

BLOSSOMING LOTUS STUDIO

The Blossoming Lotus Studio is the fitness studio on the Richmond campus. It offers regular yoga, martial arts, pilates and dance classes for students, staff and community members. Learn more at www.blossominglotusstudio.com

REBOOT COMPUTER REPAIR

Reboot is a free computer repair service offered on the Surrey campus. It is free for any KPU student and \$75 per hour for non-students. Visit www.kusa.ca/reboot or call 604-599-2348 for details.

START VOLUNTEER PROGRAM

The START program allows students to get valuable job skills while making new friends and helping make KPU a better place. Please visit www.kusa.ca/START or call 604-599-2348 for details.

EXTENDED HEALTH & DENTAL

Through Gallivan & Associates, the KSA offers KPU students a comprehensive health & dental plan. More information on this plan can be found at <http://www.gallivan.ca/studentnetworks/>

LOUNGES

The KSA also maintains lounges on every campus with comfortable seating. All KSA Lounges feature widescreen-TVs, wireless Internet access and some also have gaming tables, such as football, pool and ping-pong.

EVENTS & STUDENT LIFE

The KSA sponsors many on campus events throughout the year, including:

Welcome Week

At the start of every fall and winter semester the KSA hosts Welcome Week, featuring free food, games, prizes and information tables from KPU and the community.

Cram Jam

Cram Jam is the KSA's huge concert festival held every September. In past years Cram Jam has featured Danny Fernandes, Sloan, Daniel Wesley, Ten Second Epic, illScarlett and many more. Visit www.CramJam.ca for details on Cram Jam 2010.

Dessi Fusion

Early every Spring the KSA and the LIFE club organize the Dessi Fusion fundraiser dance for children's charities.

Health Fair Featuring SEXPO

Every year the KSA holds an annual health fair on the topic of nutrition, fitness and sexual health.

Other Events

- Candidate debates during municipal, provincial and federal elections
- Diversity and cultural events
- Guest speakers, forums, lectures and readings
- Movie screenings, X-Box, Nintendo and Karaoke events
- Pub nights and Club events for KPU students

If you would like to organize an event on campus please contact events@kusa.ca to learn more about the KSA's support for student events.

CAMPUS CLUBS

The KSA supports a number of campus clubs. To learn how to join or start a club, please visit www.kusa.ca/clubs or email clubs@kusa.ca

ADVOCACY

The KSA lobbies KPU and all levels of government on behalf of all KPU students. The KSA also offers advocacy for individuals in need of help.

LOBBYING

The KSA lobbies on lower tuition, increased public funding for post-secondary education, transit improvement and its policies found at www.kusa.ca/policies.

INDIVIDUAL ADVOCACY

If you feel you've received a grade that you do not deserve, the KSA can help you appeal the grade. Email academics@kusa.ca for details.

LIAISONS

KSA supports students who have traditionally faced barriers in accessing post-secondary education, providing liaisons who assist students in their particular student group:

- Aboriginal & First Nation Students
- International Students
- Queer Students
- Mature Students
- Students with Disabilities
- Students of Colour
- Women

CONTACT INFORMATION

Langley KSA:	604.599.3289
Richmond KSA:	604.599.2721
Surrey KSA (Main Office):	604.599.2126
START volunteer and Reboot Computer Repair:	604.599.2348
Website:	www.kusa.ca

For more information on how you can get involved by volunteering with the KSA visit the KSA website: www.kusa.ca

The site features complete contact information for KSA officials as well as interactive forums, news, events, and office hour listings.

Learning Centres

Our mission is to provide learners with relevant supports to encourage learning excellence in a diverse range of programs. We do this through working with students on general study strategies, through academic coaching and tutoring services, complementary workshops, individualized assistance, integrated classroom support and by working with faculty to embed learning skills and strategies in your courses.

For students, there are transition programs to help you get a good start on your courses and to help you adjust to the new academic culture for learning and development. Sign up for the 3 day "It's About U" program in August or the 1 day "Step Ahead" program in January. Information can be found at kpu.ca/learningcentres.

Learning Strategists are on each campus to provide individualized learning assistance and assessments, help with study skills and learning strategies. You can book online appointments for these services and more at tlc.kpu.ca. Our tutoring services are free and can be one-to-one or small group in a range of writing, math and content areas. Print and electronic resources are also available. Our online tutoring program, including membership in the provincial collaborative WriteAway initiative, provides access for student support from home, work or school. Access to this support is through the Learning Centres website: kpu.ca/learningcentres.

We have over 100 peer tutors and academic coaches who provide the peer support that students find empowering as they grapple with transitions to university life and challenges in coursework from time to time. The Learning Centres also attract faculty tutors who work alongside staff in the Learning Centres to provide additional support for students and mentoring to our peer tutors and coaches.

The Learning Centre peer leaders also provide support for students through the PASS Program - Peer Assisted Study Sessions - that are arranged for high risk courses in consultation with faculty and academic departments. Students in this program appreciate the guidance that a peer who has been successful in the targeted courses can provide as they study in a group situation.

Sensational Study Skills Saturdays, Fabulous Fridays and Exam Jams occur throughout the Fall and Spring semesters to provide students with timely assistance with learning improvement or strategies to enhance academic skills. Please check the Learning Centre website for schedules and workshops.

The Academic Boost Camps that occur twice a year are also well attended by students. These one day camps are specially developed for students who need to boost their skills and results as they persist in their studies through to graduation. Check the website for current sessions and to register for these.

For faculty and students we have Learning Strategists who can consult on learning issues that are identified in classes. Such consultations may result in tailored workshops, resource development to aid student learning, strategy development to embed in particular sections of coursework that will help students adapt their techniques to get the best from their learning experience.

To book an appointment, go to tlc.kpu.ca or kpu.ca/learningcentres or contact staff directly at:

Cloverdale	604.598.6044	tlccloverdale@kpu.ca
Langley	604.599.3444	tlclangley@kpu.ca Room 2070

Richmond	604.599.3454	tlcrichmond@kpu.ca Library 1100
Surrey	604.599.2437	tlcsurrey@kpu.ca Library A1650

Office of the Registrar

The Office of the Registrar services students from the beginning of the application cycle to well after graduation. Services are available on all campuses, as well as online, telephone, fax, and postal mail. The team of dedicated staff in the Office of the Registrar provide a range of services and information, including:

- **Student Enrolment Services** – The face of the Office of the Registrar, this is the team that helps students access the rest of the Office of the Registrar services. For more information, see Student Enrolment Services at [Kwantlen \(kpu.ca/ses\)](http://kpu.ca/ses).
- **Admission and application** – Entrance to the University begins with an application for admission. For more information, see the Admissions Guide (kpu.ca/admission)
- **Appeal, variance & petition** – Requesting an exception to University regulations or challenging a grade, is a formal process. For more information, see Appeals and Variances (kpu.ca/registrar/appeals)
- **Convocation** – The time-honoured tradition where students are awarded their credential by the Chancellor. At KPU, we host two convocations each year to celebrate the achievements of our students. All KPU students must apply to attend convocation. For more information, see Convocation / Graduation (kpu.ca/convocation).
- **Financial Aid** – Paying for an education can be a challenge. The University has a number of options including student loans, funding for adult basic education programs, emergency aid, and funding for part-time students. For more information, see Student Awards and Financial Assistance (kpu.ca/awards).
- **Graduation** – Graduation is the term used to acknowledge that a student has met their program requirements and that their credential has been conferred by Senate to graduate from the program. All KPU students must apply for graduation. For more information, see Convocation / Graduation (kpu.ca/convocation).
- **Registration** – From a one-day workshop to a full degree program, students must be enrolled in courses before they can attend. For more information, see the Registration Guide (kpu.ca/registration).
- **Student Awards** – KPU supports the journey to success for students through numerous scholarships, bursaries and awards ranging from \$250 to \$20,000. For more information, see Student Awards and Financial Assistance (kpu.ca/awards).
- **Student Records** – Providing students with access to their official academic records including transcripts. For more information, see Student Records (kpu.ca/records)
- **Transfer Credit** – The University recognizes that many of its students may wish to be granted formal recognition for knowledge acquired at other educational institutions. For more information, see Credit for Previous Learning (kpu.ca/transferecredit).

CONTACT INFORMATION

For general inquiries:

Phone:	604.599.2000
Fax:	604.599.2086

Email: studentinfo@kpu.ca
Web: kpu.ca/registrar

Services for Students with Disabilities

Students with disabilities who require classroom accommodations or other support services are requested to contact a Disability Advisor 5-7 months before classes begin to discuss accommodations required to access programs and courses. Support may include, interpreting, note taking, alternate format text, exam support, and assistive technology or adaptive equipment. Learning Specialists are available to support students with learning disabilities, including screening, assistance with funding for assessments, and learning strategies for course work.

Students with mental health disorders are encouraged to seek assistance and may qualify for: room to take medications, contact person when managing difficult symptoms of illness, part-time status, program extensions, leaves from courses during episodic illness and other support.

For more information contact Services for Students with Disabilities Office:

Cloverdale: 604.598.6044
Langley: 604.599.3213
Richmond: 604.599.2600
Surrey: 604.599.2044
Website: kpu.ca/ssd

Student Life and Development

We support student transition, success, and whole person development by engaging students in experiential learning opportunities and fostering an inclusive community. We inspire and enable students to define and achieve their own personal success and to contribute to society through service and leadership.

NEW STUDENT TRANSITION SUPPORT

New Student Orientation Events (August, January & May): Orientation, official welcome, student-led activities and tours, insider tips, and more! Sessions with faculty, entertainment, lunch, and prizes. Additional Orientation sessions are offered for mature students, as well as parents of new students. (kpu.ca/orientation)

CAMPUS LIFE

Get involved with a club, campus recreation, study abroad, volunteer opportunities, student employment, student government, student conferences and more. Find out more every September at **Campus Life Week** events on each campus or visit us online anytime at kpu.ca/sld.

STUDENT LEADERSHIP DEVELOPMENT

We offer leadership development programs for students and alumni including:

- Annual Student/Alumni Leadership Conference (January): kpu.ca/leadership
- Regular leadership seminars and guest speakers;
- Leadership team opportunities including Orientation Leadership, New Student Mentors, Leadership Conference Planning Committee, Event Volunteers and more;
- Annual Student Leadership Recognition Event

CONTACT US

Location: Surrey Campus, Surrey Main 216
Email: sld@kpu.ca
Website: kpu.ca/sld

Academic Affairs

Academic Affairs

Academic Affairs includes the Office of the Provost & Vice-President Academic, the Vice-Provost & Associate Vice-President Academic, the seven Faculties at Kwantlen Polytechnic University, the university Libraries, the Division of Strategic Enrolment Management, the Division of Student Life and Community, the Office of Research & Scholarship, and the Office of Institutional Analysis & Planning. The seven Faculties are led by Deans and include the following: Faculty of Academic & Career Advancement, School of Business, Faculty of Health, Chip and Shannon Wilson School of Design, Faculty of Science & Horticulture, Faculty of Arts, and Faculty of Trades & Technology. In addition to academics and scholarship, Academic Affairs also has responsibility for recruitment, admissions, academic records, registration, graduation, calendar, financial aid & scholarships, testing, international education, student government, recreation & athletics, advising, counseling, career services, co-operative education, disability services, First Nations programs, and student leadership.

In this section you will find:

- About Academic Affairs
- Degrees & Credentials
- Student Records
- Academic Regulations
- Academic Standing
- Grades
- Graduation
- Library
- Office of Research & Scholarship

Degrees & Credentials

The degrees and credentials listed here are those currently offered at KPU. More details regarding these credentials can be found under their respective program headings in this calendar.

BACCALAUREATE DEGREES

- Bachelor of Applied Arts in Psychology (also: Honours option)
- Bachelor of Applied Science in Sustainable Agriculture
- Bachelor of Arts, Double Minor (Minors in Anthropology, Asian Studies, Counselling, Creative Writing, Criminology, Economics, English, Geography, History, Mathematics, Philosophy, Policy Studies, Political Science, Psychology or Sociology)
- Bachelor of Arts (Majors in Anthropology, Asian Studies, Creative Writing, Criminology, English, General Studies, History, Philosophy, Policy Studies, Political Science, Psychology, and Sociology)
- Bachelor of Arts - Honours (Criminology, Philosophy, Psychology)
- Bachelor of Arts, General Studies
- Bachelor of Arts in Community Criminal Justice (also: Honours option)
- Bachelor of Business Administration in Accounting (also: Co-op option)

- Bachelor of Business Administration in Entrepreneurial Leadership (also: Co-op option)
- Bachelor of Business Administration in Human Resources Management (also: Co-op option)
- Bachelor of Business Administration in Marketing Management (also: Co-op option)
- Bachelor of Design, Fashion and Technology
- Bachelor of Design, Graphic Design for Marketing
- Bachelor of Design, Product Design
- Bachelor of Fine Arts, Visual Arts
- Bachelor of Horticulture Science, Major in Plant Health
- Bachelor of Horticulture Science, Major in Urban Ecosystems
- Bachelor of Interior Design
- Bachelor of Journalism (also: Honours option)
- Bachelor of Music in Musical Arts, Major in General Studies
- Bachelor of Psychiatric Nursing
- Bachelor of Science (Majors in Applications of Mathematics, Biology, Health Science, Physics for Modern Technology)
- Bachelor of Science - Honours (Applications of Mathematics)
- Bachelor of Science in Applied Psychology (also: Honours option)
- Bachelor of Science in Nursing
- Bachelor of Technology in Information Technology (also: Co-op option)

ASSOCIATE DEGREES

- Associate of Arts Degree in Anthropology
- Associate of Arts Degree in Asian Studies
- Associate of Arts Degree in Canadian Studies
- Associate of Arts Degree in Creative Writing
- Associate of Arts Degree in Criminology
- Associate of Arts Degree in Economics
- Associate of Arts Degree in English
- Associate of Arts Degree in General Studies
- Associate of Arts Degree in Geography
- Associate of Arts Degree in History
- Associate of Arts Degree in Music
- Associate of Arts Degree in Philosophy
- Associate of Arts Degree in Political Science
- Associate of Arts Degree in Psychology
- Associate of Arts Degree in Sociology
- Associate of Science Degree in Biology
- Associate of Science Degree in Chemistry
- Associate of Science Degree in General Science
- Associate of Science Degree in Geography
- Associate of Science Degree in Mathematics
- Associate of Science Degree in Physics

POST BACCALAUREATE DIPLOMAS

- Post Baccalaureate Diploma in Human Resources Management

- Post Baccalaureate Diploma in Technical Apparel Design

DIPLOMAS

- Diploma in Accounting
- Diploma in Applied Business Technology
- Diploma in Arts
- Diploma in Brewing and Brewery Operations
- Diploma in Business Administration
- Diploma in Business Management
- Diploma in Criminology
- Diploma in Computer Aided Design and Drafting
- Diploma in Computer Information Systems (also: Co-op option)
- Diploma in English Language Proficiency
- Diploma in Fashion and Technology
- Diploma in Fashion Marketing
- Diploma in Fine Arts
- Diploma in General Business Studies
- Diploma in General Studies
- Diploma in Graphic Design for Marketing
- Diploma in Horticulture Technology Landscape Horticulture Systems Specialization
- Diploma in Horticulture Technology Sustainable Crop Production Specialization
- Diploma in Horticulture Technology Turf Management Specialization
- Diploma in Marketing Management (also: Co-op option)
- Diploma in Music
- Diploma in Public Relations
- Diploma in Science
- Diploma of Technology in Environmental Protection (also: Co-op option)

POST BACCALAUREATE CERTIFICATES

- Post Baccalaureate Certificate in Critical Care Nursing

ADVANCED CERTIFICATES

- Advanced Certificate in Computer Aided Design and Drafting

CERTIFICATES

- Certificate in Accounting
- Certificate in Advanced Farrier Training
- Certificate in Appliance Servicing
- Certificate in Arts
- Certificate in Automotive Service Technician
- Certificate in Business Management
- Certificate in Computer Aided Design and Drafting
- Certificate in Computer Information Systems (also: Co-op option)
- Certificate in Criminology
- Certificate in Engineering
- Certificate in Fine Arts
- Certificate of Foundations in Design

- Certificate in General Business Studies
- Certificate in Gerontology-Based Therapeutic Recreation
- Certificate in Graduate Nurse Internationally Educated Re-entry
- Certificate in Health Care Assistant
- Certificate in Health Unit Coordinator
- Certificate in Legal Administrative Studies
- Certificate in Marketing
- Certificate in Non-Governmental Organizations and Nonprofit Studies
- Certificate in Public Safety Communications
- Certificate in Special Education Teacher Assistant
- Certificate in Welding Foundation

CITATIONS

- Citation in Career Choices and Life Success
- Citation in Carpentry/Building Construction
- Citation in Computer Aided Design and Drafting
- Citation in Construction Electrician
- Citation in English Language Proficiency
- Citation in Graduate Nurse Re-Entry
- Citation in Horticulture Technology, Arboriculture
- Citation in Horticulture Technology, Foundation in Landscape Design
- Citation in Horticulture Technology, Garden Centre Operations
- Citation in Horticulture Technology, Horticultural Science
- Citation in Horticulture Technology, Introduction to Sustainable Horticulture
- Citation in Horticulture Technology, Landscape Plant Health
- Citation in Horticulture Technology, Production Facilities
- Citation in Horticulture Technology, Production Horticulture in BC
- Citation in Horticulture Technology, Production Plant Health
- Citation in Horticulture Technology, Residential Lawn Care
- Citation in Horticulture Technology, Turfgrass Pest Management
- Citation in Masonry
- Citation in Metal Fabrication
- Citation in Millwright / Industrial Mechanic
- Citation in Outdoor Power Equipment Technician
- Citation in Parts and Warehousing
- Citation in Plumbing
- Citation in Power Line Technician
- Citation in Welding Level A
- Citation in Welding Level B

CERTIFICATES OF COMPLETION

- Certificate of Completion in Access Programs for People with Disabilities
- Certificate of Completion in Adult Basic Education
- Certificate of Completion in Graduate Nurse Qualifying

ADULT GRADUATION DIPLOMA

- British Columbia Adult Graduation Diploma

Student Records

TRANSCRIPTS

An official transcript is a copy of the student's permanent academic record that is imprinted with the signature of the Registrar. Transcripts reflect all courses taken or transferred to Kwantlen Polytechnic University; partial transcripts will not be issued. Completed credentials will only appear on a transcript once a student's graduation has been conferred by Senate.

Ordering a Transcript

Official Transcripts must be requested by the student. For detailed instructions for ordering an official transcript, see: kpu.ca/records/transcripts

All student obligations relating to fees, library books, rentals or borrowed equipment or other materials must be met before official transcripts will be released.

Transcripts will only be released upon presentation of photo identification. They will be released to a third party only if a signed letter of permission is provided.

CERTIFIED COPIES OF ACADEMIC RECORDS FOR LEGAL PURPOSES

Students requiring certified copies of their academic records may submit a request to Student Enrolment Services personally or through their legal counsel. Requests must state clearly what information is to be released and to whom. Requests must include the student's signature, date of birth, student identification number (if known) and date of request. Requests can also be mailed to:

All requests must be accompanied by payment in full. See Other Fees for current pricing.

CONFIDENTIALITY OF STUDENT RECORDS

Information obtained from students as part of the application and registration process is confidential, as is the student's academic record and information on library use and counselling files. This information is in the custody of, and is not to be released except on the authorization of the Registrar.

Only those administrators, faculty and staff who have a legitimate need to view a student's record as a part of their normal duties will be permitted access to those records. All employees are expected to respect the confidentiality of the student information with which they work.

Students may authorize, in writing, release of any information contained in KPU files with the exception of documents submitted in support of their application or for transfer credit.

The Registrar may release information from student records without student authorization:

- 1.1. To the Ministry of Advanced Education or their agents for the purpose of statistical analysis or research, provided that the student is not named or otherwise identified.
- 2.2. To government departments or their agents where KPU is required by law to provide the requested information, or
- 3.3. Pursuant to a valid court order, search warrant, subpoena, summons, or request by a law enforcement agency.

- 4.4. Information that has been deemed a public record
- 5.5. Information that has been routinely provided in the past will continue to be available to the public, with the exception of personal information.

Students are entitled to receive a copy of their academic record and an explanation of any information contained therein on one week's notice upon receipt of a written request to the Office of the Registrar. The information will only be released upon presentation of photo identification.

See policy **C.4** that can be viewed at the Library or online at kpu.ca/policies for further details.

ACCURACY OF STUDENT RECORDS

In order to ensure that admission information, registration materials and other mailings reach students in a timely manner, it is each student's responsibility to ensure their address and all other contact information is kept up-to-date. Students may do this in writing using a Student Status Change Form, available for download at kpu.ca/ses/forms or it may be done online through their myKwantlen account. KPU will contact applicants, students and alumni through their mailing address as well as through the KPU.net email address that is provided upon application to the university. KPU does not accept responsibility for problems caused by incorrect or out-of-date address information and it is the responsibility of the student to ensure this information is kept up-to-date.

A student who changes her or his legal name subsequent to applying and being accepted at KPU must officially notify the Office of the Registrar in writing and provide official documentation of the change (e.g. marriage certificate). Similarly, a student who is providing documents to KPU which have been issued under a previous name must also provide official documentation of the change. A Student Status Change Form may be used to notify KPU and is available for download at kpu.ca/ses/forms.

A student who wishes to change her or his program of studies must request to do so in writing by the application deadline for the program. This will ensure that the student is classified properly and receives appropriate registration and other materials. A Program Status Change Form submitted to Student Enrolment Services may be used for this purpose. This form is available for download at kpu.ca/ses/forms.

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

The principles underlying this legislation are to make public organizations more accountable to the public and to protect personal privacy by:

- Giving the public a right of access to records in the custody of, or under the control of, KPU
- Giving individuals a right of access to, and a right to request correction of, personal information about themselves
- Specifying limited exceptions to the right of access where disclosure would result in harm to a third party
- Preventing the unauthorized collection, use, or disclosure of personal information, and
- Providing for an independent review of decisions made under the Act

Under the Act, KPU must provide a legal right of access to records in the custody of, or under the control of KPU, while at the

same time prevent the unauthorized collection, use or disclosure of personal information. Responding to requests for access to records, while at the same time protecting individual privacy, is a basic responsibility of KPU.

KPU gathers and maintains information used for the purposes of admission, registration, research, alumni and KPU Foundation, student association and other fundamental activities related to being a member of KPU's community and attending a public post-secondary institution in the Province of British Columbia.

In submitting an Application for Admission, all applicants are advised that the information they provide and any other information placed into the student record will be protected and used in compliance with the Freedom of Information and Protection of Privacy Act.

Guidelines and procedures to deal with the handling of requests for access to records under the Act are freely available to all members of the public.

Information that has been routinely provided in the past will continue to be available to the public, with the exception of personal information.

The President makes the final decisions on access to information held by KPU. Decisions on access can be appealed to the Information and Privacy Commissioner through a request for review process.

For further details, visit kpu.ca/foipop or see policy E.20 that can be viewed at the Library or online at kpu.ca/policies.

Academic Regulations

ACADEMIC HONESTY AND PLAGIARISM

Cheating, which includes plagiarism, occurs where a student or group of students uses or attempts to use unauthorized aids, assistance, materials or methods. Plagiarism occurs where a student represents the work or ideas of another person as his or her own.

KPU condemns all forms of cheating and will discipline students for cheating in the following manner:

For most first offences, a grade of zero will be awarded for the affected assignment, test, paper, analysis, etc.

For most second offences, a failing grade will be assigned in the affected course.

Depending upon the circumstances surrounding the first or second offence, a more severe level of discipline may be imposed by KPU.

Where deemed appropriate in the circumstances, for a third offence, the matter must be referred to KPU's Provost and Vice President Academic, under policy **C. 21**, Student Conduct for the assignment of discipline which may include suspension or expulsion from the university.

Any student who contributes to an act of academic dishonesty by another student may face disciplinary action.

The student may appeal any decision or penalty to the KPU Appeal Committee.

Examples of cheating and plagiarism are available online at kpu.ca/__shared/assets/Honesty1432.pdf.

See policy C.8 that can be viewed at the Library or online at kpu.ca/policies for further details.

APPEALS OF ACADEMIC DECISIONS

KPU recognizes that, from time to time, a student may be dissatisfied with an academic decision made by a university employee, or may wish to appeal a grade. For this reason, KPU provides an appeal procedure through which these and similar issues may be addressed. Any university employee whose decision is being appealed at any level of the process must be made aware of the appeal and given the opportunity to state his or her position.

The student must attempt, when possible, informal resolution with the concerned individual prior to proceeding with a formal appeal in the case of academic decisions or grade appeals. Prior to submitting a formal appeal, the student should consult a counsellor to obtain information and advice on how to proceed.

If informal resolution is not successful, the student should obtain an appeal form from Student Enrolment Services and complete it in full. To initiate the appeal procedure the student must submit the appeal form to Student Enrolment Services within twenty (20) working days of the matter giving rise to the appeal.

To request a variance from university policy, on matters not related to academic decisions, students may formally do so by submitting a Request for Variance form which may be obtained at any Student Enrolment Services Office.

See policy L.6 that can be viewed at the Library or online at kpu.ca/policies for further details.

Academic Standing

The academic standing of a student will form part of his or her permanent academic record and will appear as a notation on statements of grades and official transcripts.

All students attending KPU are expected to maintain an acceptable standard of academic achievement. For programs in which letter grades are assigned, a minimum Cumulative Grade Point Average (CGPA) of 2.00 is expected. Failure to meet this minimum academic standard will result in corrective action and can lead to permanent withdrawal from KPU.

The academic standing for all students who have completed a minimum of 9.0 semester credit hours, and who are enrolled in programs in which letter grades are assigned, will be determined at the end of each semester.

Students who do not maintain a Cumulative Grade Point Average (CGPA) of 2.00 must achieve a Term Grade Point Average of 2.00 or better each semester until their CGPA is 2.00 or above. Students who do not achieve this will progress through the Academic Status reviews as detailed below, from Academic Warning to Academic Probation to Required to Withdraw to Readmitted on Academic Probation to Academic Suspension.

See policy L.7 that can be viewed in the Library or online at kpu.ca/policies for further details.

DEAN'S HONOUR ROLL

A full-time student in a semester-based or term-based program who has completed 15.0 or more semester credit hours at KPU and who has a CGPA of 3.75 or better and a TGPA of 3.50 or better for the semester being evaluated, will be placed on the

Dean's Honour Roll. Please see the Grades section of the online calendar to see how grades and GPA are calculated.

A student in a program for which letter grades are not assigned will be placed on the Dean's Honour Roll at the completion of their program upon the recommendation of the program coordinator or instructor in recognition of outstanding achievement or performance.

KPU's Deans will send a letter of commendation to each student placed on the Dean's Honour Roll.

See policy L.3 that can be viewed at the Library or online at kpu.ca/policies for further details.

GOOD ACADEMIC STANDING

All students are assumed to be in Good Academic Standing unless stated otherwise on their academic record.

ACADEMIC WARNING

A student who has completed a minimum of 9.0 semester credit hours and has achieved a CGPA of less than 2.00, will be placed on Academic Warning. Students will remain on Academic Warning until they have attempted 18.0 semester credit hours. A student on Academic Warning may not repeat a course for which a grade of C or better has been assigned.

ACADEMIC PROBATION

A student who has been on Academic Warning, has completed a minimum of 18.0 semester credit hours and has achieved a CGPA of less than 2.00, will be placed on Academic Probation. Students will remain on Academic Probation until they have attempted 27.0 semester credit hours. A student on Academic Probation may not repeat a course for which a grade of C or better has been assigned.

REQUIRED TO WITHDRAW

A student who is on Academic Probation and who has completed a minimum of 27.0 semester credit hours and whose TGPA and CGPA are both less than 2.00 will be referred to KPU's President for a decision as to whether:

1. the student shall be Required to Withdraw for a period of not less than six (6) months, or
2. other action should be taken.

Students who are required to withdraw are not permitted to enrol in undergraduate courses, but may, where applicable, enrol in preparatory courses during their six (6) month withdrawal period.

Re-Admission on Academic Probation

A student who has been Required to Withdraw may appeal for re-admission to KPU for a term which begins at least six (6) months after the student was required to withdraw. The Application for Re-admission must be submitted by the application deadline for the term for which the student is applying, and must be accompanied by an Educational Plan. The Educational Plan for Students Applying for Reinstatement must include:

- The reasons for the poor performance
- The steps taken or that will be taken to rectify the problem(s)
- The major activities since leaving the University
- Any courses taken elsewhere (must submit transcript)
- Any activities undertaken to upgrade academically or improve study skills

- Educational goal, including reasons for changing or not changing the goal

Letters of reference from employers or instructors may be included.

Applications will be accepted no more than one month prior to the application deadline unless the student has already been away from KPU more than six months. Late applications or late Educational Plans will not be accepted due to the time required for review.

The appropriate Director (or designate) will review the Educational Plan. The student may be required to discuss it further, by telephone or in an interview, with the Director (or designate), or may be referred to Counselling. Once the Educational Plan is complete, the Director (or designate) will confirm whether re-admission to KPU on Academic Probation has been granted. If re-admission is granted, the student must have completed a minimum of 36.0 semester credit hours before further action will take place.

ACADEMIC SUSPENSION

A student who has been re-admitted on Academic Probation and has completed a minimum of 36.0 semester credit hours and whose TGPA and CGPA are both less than 2.00 will be referred to KPU's President for a decision as to whether:

1. The student shall be placed on Academic Suspension for a minimum of one (1) year, or
2. Other action should be taken.

Students who are on Academic Suspension are not permitted to enrol in undergraduate courses, but may, where applicable, enrol in preparatory courses during their one (1) year suspension period.

Re-Admission on Academic Suspension

A student who has been placed on Academic Suspension may apply for re-admission to KPU for a term which begins after one (1) year has transpired. The Application for Re-admission must be submitted by the application deadline for the term for which the student is applying, and must be accompanied by an Educational Plan. The Educational Plan for Students Applying for Reinstatement must include:

- The reasons for the poor performance
- The steps taken or that will be taken to rectify the problem(s)
- The major activities since leaving the University
- Any courses taken elsewhere (must submit transcript)
- Any activities undertaken to upgrade academically or improve study skills
- Educational goal, including reasons for changing or not changing the goal

Letters of reference from employers or instructors may be included.

Applications will be accepted no more than one month prior to the application deadline. Late applications and late Educational Plan will not be accepted due to the time required for review.

If re-admission is granted, the student will be re-admitted in Good Standing and will be advised to consult with an Educational Advisor regarding a future program of studies.

ACADEMIC RENEWAL

KPU is committed to providing its students with opportunities to succeed in their academic studies. For various reasons, not all

students are able to avail themselves of these opportunities when they are initially enrolled at KPU. A student who has not been enrolled at KPU for a minimum of five (5) years and who had a Cumulative Grade Point Average of less than a 2.00 at the end of the last term of attendance may apply in writing to have grades earned for all courses (including those passed) taken previously at KPU eliminated from the computation of her or his CGPA. These courses and grades will appear on statements of grades and unofficial and official transcripts. Academic Renewal may only be requested once and will be granted at the discretion of the Registrar or designate.

Students will be advised that other post-secondary institutions may or may not recognize Academic Renewal and may include these courses in their GPA calculations when determining eligibility for transfer.

See policy L.8 that can be viewed at the Library or online at kpu.ca/policies for further details.

Grades

See policy C.20 that can be viewed at the Library or online at kpu.ca/policies for further details.

The following grading system will apply to courses in which a letter grade is assigned;

GRADING SYSTEM

Grade	Grade Points	CNVR. Scale	Definition
A+	4.33	90-100	Exceptional achievement
A	4.00	85-89	Outstanding achievement
A-	3.67	80-84	Excellent achievement
B+	3.33	76-79	Very good achievement
B	3.00	72-75	Good achievement
B-	2.67	68-71	Good achievement
C+	2.33	64-67	Satisfactory achievement
C	2.00	60-63	Satisfactory achievement
C-	1.67	56-59	Minimal achievement. This grade does not permit student to pursue another course for which the graded course was a prerequisite.
D	1.00	50-55	Minimal achievement. This grade does not permit student to pursue another course for which the graded course was a prerequisite.
F	0.00	0-49	Unsatisfactory achievement. Student did not meet minimum course requirements.

GRADE POINT AVERAGE (GPA) DEFINITIONS

Quality points:

A value determined for each course by multiplying the course credit hours by the grade points for the assigned grade

Grade Point Average (GPA):

A value determined by dividing the total quality points by the total semester credit hours. Term and cumulative grade point averages will be reported on all transcripts and statements of grades.

Term GPA (TGPA):

The grade point average for all KPU coursework completed in one term only. The TGPA is the sum of the quality points earned in a term divided by the total number of semester credits hours earned in that term.

Cumulative GPA (CGPA):

The grade point average for all coursework completed at KPU in which a letter grade was assigned. For repeated courses, only the higher grade is used in this calculation. The CGPA is the sum of the quality points earned in all terms of enrolment divided by the total number of semester credit hours earned in all terms.

Program GPA (PGPA):

The grade point average for all coursework applicable to a specific program. This calculation is used when determining eligibility for graduation and whether a student has graduated With Distinction. The PGPA is the sum of the quality points earned for all required and elective courses in a student's program divided by the total number of semester credit hours earned for that program.

The following grades are not used in Grade Point Average (GPA) calculations.

Grade	Definition
I	Incomplete. Course requirements to be completed within specific time.
W	Withdrawal. Student initiated withdrawal from course of program prior to the published deadline.
WE	Withdrawal due to extenuating circumstances. Approved withdrawal from course or program past published deadline.
AUD	Audit. Student attended classes but was not evaluated.
CIP	Course in progress.
DEF	Deferred. The course duration does not correspond to the usual semester or term duration, hence no grade assigned.
MAS	Mastery. Student has met and mastered a clearly defined body of skills & performances to required standard.
NCG	No Credit Granted. Student has not met the required standard for the course and/or not participated to the required level in course activities.
EXP	Experience. Student has participated at the required level in course activities.
AEG	Aegrotat. A pass standing based on satisfactory term marks where the student has been unable to complete all course requirements due to disabling illness or other circumstances.
TRF	Transfer Credit. Student granted transfer credit based on successful completion of equivalent course at another institution.

SA Statement of Attendance. Indicates student was issued an in-class Statement of Attendance. Does not imply mastery of content

Apprenticeship recorded on the transcript as numeric (percentage) Grades values (effective 2014/15).

INCOMPLETE (I) GRADE

An Incomplete (I) grade is intended to assist responsible students to carry out their commitments and is not intended to encourage students to procrastinate. It is reasonable, therefore, to expect that it will be infrequently used. The withdrawal procedure may be more realistic for many students. Once an "I" contract is signed, a student will normally not be permitted to apply for a compassionate withdrawal.

Student applications for I grades should be received by the instructor no later than the last day of classes for the term. The following criteria are to be used by instructors in deciding whether to agree to an "I" contract:

1. Previous work in the course should have been at a satisfactory level
2. The student must have been prevented from completing the course requirements by some abnormal circumstance or juxtaposition of other responsibilities such as:
 - Embarking on a project whose completion turns out to be more time-consuming than originally contemplated
 - An emergency situation such as illness or accident which has prevented the student from completing one or more of the course requirements (supporting documentation may be required by the instructor)

The student should be able to complete an I contract within two (2) to four (4) weeks after it is entered into.

Any I grade is subject to review by the Dean, whose signature is required on the contract.

There is no limit to the number of I grades that a student may carry. However, a student receiving one or more I grades will be allowed to re-register in a subsequent semester only after review of her or his course load by a counsellor, educational advisor or the Registrar or Director prior to registration.

EXPERIENCE GRADING SYSTEM

Certain courses offered by KPU provide an appropriate learning environment, but only the student can assess and decide how much value the course has been. Such courses demand student participation and, provided the student participates, credit will be granted. Because of the nature of this grading system, credits earned in this type of course will not be used in calculating the grade point average.

Grade Definition

EXP	Experience. Student has participated at the required level in course activities.
NCG	No Credit Granted. Student has not participated to the required level in course activities.

MASTERY GRADING SYSTEM

KPU has designated certain courses as Mastery courses. These courses demand a clearly defined high standard of performance, in which the student must demonstrate complete mastery of all knowledge and/or performance requirements. Because of the

nature of this grading system, credits earned in this type of course will not be used in calculating the grade point average.

Grade Definition

MAS	Mastery. Student has mastered a clearly defined body of skills and performances to required standards.
NCG	No Credit Granted. Student has not met the required standard for the course and/or has not participated to the required level in course activities.

PASSING GRADE IN A COURSE

Unless otherwise specified by the official course outline, the minimum passing grade for a course in which letter grades are assigned is a D grade. Courses in which a grade of D or better has been achieved may be used to satisfy program requirements for graduation.

The minimum passing grade for a course or module in which letter grades are not used is a grade of Mastery (MAS). Courses or modules in which a grade of MAS has been achieved may be used to satisfy program requirements for graduation.

Minimum Grade Required in Prerequisite Course. In order to enrol in a course or module for which there is a prerequisite course or module, a student must have been assigned a grade of C (or higher) or MAS or AEG or TRF in the prerequisite course or module. Some programs require a higher grade than C for prerequisites to their courses.

REPEATED COURSES

All grades are recorded on the student's transcript. If a course is repeated to replace a failed or other grade, the higher grade will always be used to compute cumulative and program grade point averages or to determine standing. Normally a course may not be repeated more than once.

GRADE CHANGE / ERROR

A student who believes that an error has been made in recording a final grade should first contact the instructor to verify the grade. If an incorrect grade has been submitted, the instructor will submit a Grade Reporting Form to correct the error. Upon receipt of the signed form, a correction will be made to the student's academic record.

GRADE CHANGE / APPEAL

See policy L.6 that can be viewed at the Library or online at kpu.ca/policies for further details.

Only the instructor who assigned the grade may normally change a final grade. If a student feels that she or he has received an inaccurate and/or unfair grade, the student must first contact the instructor (or the Dean responsible for the course if the instructor is unavailable). If the student is not satisfied with the response of the instructor, she or he may appeal the grade through the normal Appeals procedure.

Note: A grade appeal must be filed within 20 working days of the issuance of the grade.

AVAILABILITY OF FINAL GRADES FOR SEMESTER-BASED COURSES

Final grades for semester-based programs may be obtained online through a student's myKwantlen account usually within 5–

7 days following a final examination or following the end of the semester if there is no final examination. Previous grades and transfer credits may also be viewed online at myKwantlen.ca.

Graduation

See policy L.5 that can be viewed at the Library or online at kpu.ca/policies for further details.

Graduation eligibility is evaluated by the Graduation Office after a Graduation Credential Request Form has been submitted. It is the student's responsibility to ensure program and degree requirements are met. Students should consult with the appropriate Faculty or with Educational Advising for assistance in determining whether program requirements have been met prior to applying for graduation.

Upon completion of the graduation audit, the Graduation Office forwards the names of all eligible candidates to Senate for approval. The University Senate approves candidates for graduation during the months of September – June each year, prior to the awarding and conferral of credentials at either of the Spring or Fall Convocation ceremonies.

APPLICATION FOR GRADUATION CREDENTIAL

Every candidate for a credential must make a formal application for graduation by submitting a Graduation Credential Request Form. The form may be downloaded at kpu.ca/ses/forms and may be submitted by email to graduation@kpu.ca, via fax at 604-599-2086 or in person at any campus Student Enrolment Services Office. Graduation requests may be submitted anytime during the semester in which you will complete your program requirements, but must be submitted before the deadline posted to the convocation website (kpu.ca/convocation) in order to be eligible to attend the Convocation Ceremony.

Student obligations relating to fees, library books, rental or borrowed equipment or other materials must be met before a credential will be released.

MINIMUM GRADE POINT AVERAGES

A minimum **Program Grade Point Average (PGPA)** and **Cumulative Grade Point Average (CGPA)** of 2.00 is required for graduation for most programs. Post Baccalaureate certificates and diplomas require a CGPA and PGPA of 2.50 where applicable.

TRANSFER OF COURSES FOR GRADUATION

A student may apply transfer credits for courses or modules taken at secondary and other post-secondary institutions, as well as credits obtained through prior learning assessment, toward credential requirements.

Academic departments may set a time limit on the acceptance of transfer courses in which the requisite knowledge and skills are subject to rapid change.

Up to 75% of the credits required for graduation in a program may be obtained through a combination of transfer credit and prior learning assessment. This applies to first credentials only. In general, a student may not receive two credentials for

substantially the same coursework. A minimum of 50% of the course work for additional credentials must be from courses or modules not used to satisfy the requirements for the first credential. This requirement does not apply to the additional specialized courses taken for an Advanced Certificate.

Students are normally expected to complete at least 60 credits at Kwantlen Polytechnic University for a B.A. degree; however, they may apply for an exemption to this ruling on an individual basis. If such an exemption is granted, then residency may be limited to no fewer than 30 credits. In any case, at least 50% of the required upper level credits within the subject area must be completed at KPU.

In order to have previous academic work evaluated, students must submit a Request for Transfer Credit form, as well as all other required documentation and fees as stipulated on the Transfer Credit website: kpu.ca/transfercredit. Requests for transfer credit should be submitted as early as possible in the student's program and it is recommended students complete the transfer credit process prior to their last semester so as not to delay graduation processing and to ensure eligibility to attend Convocation.

COURSE SUBSTITUTIONS

Substitutions for prescribed courses in a program may be approved by the appropriate Dean upon submission of the Request for Course Substitution form to the Graduation Officer. Such requests should be submitted prior to enrolling in the substitute course.

GRADUATION WITH DISTINCTION

See policy L.4 which can be viewed at the Library or online at kpu.ca/policies.

Students who graduate with a minimum Program Grade Point Average (PGPA) of 3.75 from a program which utilizes letter grades will be considered to have graduated with distinction. Students who graduate with outstanding achievement (as determined by program faculty) from a program which does not utilize letter grades will be considered to have graduated with distinction.

The phrase "*With Distinction*" will appear on the student's transcript and credential.

TIMEFRAMES FOR COMPLETING PROGRAMS

See policy L.5 that can be viewed at the Library or online at kpu.ca/policies for further details.

Program	Time Limit (years)	Minimum Credits Required
Bachelor's Degree	10	120
Associate Degree	10	60
Post Baccalaureate Diploma	10	30
Diploma	10	60
Post Baccalaureate Certificate	10	15
Advanced Certificate	10	variable
Certificate	10	30
Citation	10	15

Certificate of Completion 10 variable

Note: The following programs have time limits that differ from the time limits specified above:

- Bachelor of Science in Nursing timeframe for completion: seven (7) years
- Bachelor of Science in Nursing Post Baccalaureate timeframe for completion: seven (7) years
- Degree Completion for Registered Nurses timeframe for completion: six (6) years

CONVOCATION CEREMONY

All students who successfully complete a program at KPU that is at the undergraduate, vocational or preparatory level are eligible to attend the Convocation Ceremony.

Submission of the Graduation Credential Application and the Ceremony Application forms must be in accordance with published deadlines for students wishing to attend the Convocation Ceremony.

Information about Convocation, including applicable deadlines, is available on the Convocation website at kpu.ca/convocation.

Library: Coast Capital Savings Library

KPU's four campus libraries at Cloverdale, Langley, Surrey and Richmond provide resources and services to meet the needs of KPU's diverse learner community. The library's print and electronic resources as well as instructional programs and other services help students develop their research skills and succeed in their course studies. Library resources are available to students, KPU employees, alumni, and community borrowers.

SMART CARD

The KPU Smart Card serves as both a library card and student identification card. Students can obtain their Smart Card at any campus library one month prior to the start of classes. The Smart Card must be presented when borrowing any library materials and at all Student Association sponsored activities. It may be used as photo identification when picking up grade statements, transcripts, or other documents from Student Enrolment Services. In addition, it is used for photocopying and printing and is required to obtain a U-Pass/MultiPass. The Smart Card is permanent and is automatically updated each semester upon registration. The information on the Smart Card forms part of your student record and is confidential. If the card is lost, please notify the library immediately.

HELP WITH RESEARCH

Librarians are available at all campus library Information Desks to assist students individually and to teach the skills needed to find and use library resources effectively. Most students will also come to the library during class time, as many instructors schedule group Library & Research Instruction Sessions for their students. Those requiring one-on-one help with research or accessing the library's resources can also contact a librarian by phone, email or chat reference through the Ask a Librarian page on our website (kpu.ca/library/services/askalibrarian).

COLLECTIONS AND SERVICES

The library's website provides access to a wide variety of information resources and services including tutorials, subject specific research guides, the library catalogue and subscription research databases. Computers are available at all campus libraries to access these collections and services as well as provide students with internet access and any software they may require to complete class assignments. WiFi and a mobile friendly website are available to students who prefer to work from their own laptop or handheld device.

The library also has a range of equipment to assist students in completing any assignments or class presentations; from projectors to flipcharts, digital cameras to USB sticks. Staff is available to train students in the use of any equipment borrowed. A complete list of services and equipment can be found on our Audiovisual Services guide (libguides.kpu.ca/av).

BORROWING AND FINES

Most books are loaned for a three-week period with the exception of reference books, which must remain in the library. Materials may be renewed if not requested by another borrower. Items can be requested from other campus libraries through the library catalogue, or from other institutions outside KPU through our Interlibrary Loans service (kpu.ca/library/services/interlibraryloan).

Fines are charged for overdue materials and failure to pay overdue fines or fees for lost material may result in the withholding of student transcripts and credentials, the suspension of library privileges and may also prevent registration for courses. Fines can be paid in person, by phone, or online using a Paypal account.

FOR MORE INFORMATION CONTACT:

Cloverdale:	604.598.6043
Langley:	604.599.3204
Richmond:	604.599.3111
Surrey:	604.599.2103
Website:	kpu.ca/library

Hours of operation vary by campus and time of year. Please refer to the library website to find current open hours and service desk hours for each campus library (kpu.ca/library/services/hoursloc).

Office of Research & Scholarship

The Office of Research and Scholarship is the interface between our researchers, our funders and a research partners. We are responsible for ensuring the highest standards of ethical research, fiscal responsibility in research, integrity on research and compliance with external regulations and internal policies. We also are the home of all research contracts as well as a number of faculty and student research awards.

The Office of Research and Scholarship offers services to our research community ranging from education on the basics of research funding applications to creating complex multi-institutional partnerships. Based out of the Coast Capital Library on the Surrey Campus we are home to the Research Ethics

Board (a requirement for studies involving human participants), the Catalyst Grant program, and Student-Led Research Awards. Our staff can offer advice, and interpretations, on almost all aspects of research; be it from the very earliest idea through to commercialization of KPU intellectual property.

Students are encouraged to discuss research with their faculty supervisor and contact the office with any questions.

Visit us at kpu.ca/research.

Faculties & Programs

Faculty of Academic & Career Advancement

Welcome to the Faculty of Academic and Career Advancement.

DEAN:

Patrick Donahoe, Ph.D.

Phone: 604.599.2388

IN THIS SECTION:

You will find details of the Academic and Career Advancement programs:

- About the Faculty of Academic & Career Advancement
- Academic and Career Preparation: BC Adult Graduation Diploma
- Access Programs for People with Disabilities
- Adult Basic Education: Certificates of Completion
- Bachelor of Arts Qualifying Year
- Career Choices and Life Success: Citation
- English Language Proficiency: Diploma
- English Language Preparatory Program
- University Qualifying Studies
- Adult Basic Education and Qualifying Studies Courses

CONTINUING / PROFESSIONAL STUDIES

The Faculty of Academic and Career Advancement also offers a selection of continuing education and professional studies courses and programs. For more information about these offerings, please see the Faculty web site.

Academic and Career Preparation: BC Adult Graduation Diploma (Adult Dogwood)

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission Continuous intake
Enrolment Type	Open enrolment Self-paced
Program Type	University Preparation
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The BC Adult Graduation Diploma (Adult Dogwood) program, an adult Grade 12 equivalency, enables adult learners to complete their BC Ministry of Education secondary school graduation requirements in order to enter the workforce or post-secondary studies.

Courses required for completion are offered in a semester-based format; however, courses at the fundamental to advanced levels can be taken in a continuous intake (self-paced) format.

Students completing the Adult Graduation Diploma can satisfy graduation requirements by using:

- courses taken in high-school;
- transferable courses taken at other post-secondary institutions;
- KPU Qualifying Studies courses (except MATQ 1093 and CHEQ 1094); and
- undergraduate-level courses (may be applied towards other programs).

Note: Courses with a Qualifying Studies designation are tuition free for Canadian citizens and permanent residents. International tuition rates apply for international students.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the university preparatory-level English Proficiency

Requirement, the following program admission requirements apply.

- All applicants, except those referred by instructors, must take assessments in English and math to ensure appropriate placement in the program. Assessments are booked through Student Enrolment Services (kpu.ca/ses).

Note: The province requires that students in this program be 18 years of age or older on the first day of classes. Applicants who are 18 should seek admission through the "underage admission" category; applicants who are 19 years of age or older should seek admission through the "mature student" category.

PROGRAM REQUIREMENTS

To complete the Adult Graduation Program, students (19 or older) must complete five courses in the post-secondary system. Courses and credits can be counted from KPU and/or the BC School System. At least three of the five courses must be completed (directly, or through PLA) after enrolling in the Adult Graduation Program.

Diploma requirements are:

A Language Arts 12 course (one of):

Available at KPU...

ENGQ 1091 Provincial Level English (English 12) 3 credits

ENGQ 1092 Professional and Technical English 12 3 credits

Any ENGL course numbered 1100 or greater † 3 credits

Or taken previously/elsewhere...

ABE Provincial English 12

English 12*

English 12 First Peoples*

A Mathematics 11 or 12 course (one of):

Available at KPU...

MATQ 0099 Qualifying Studies Math 3 credits

MATQ 1094 Foundations of Mathematics 3 credits

Any MATH course numbered 1100 or greater † 3 credits

Or taken previously/elsewhere...

ABE Provincial Mathematics 12

Mathematics 11 or 12 (including Foundations, Applications, or Principles)*

Plus three additional courses at the provincial (grade 12) or post-secondary level:

Available at KPU...

Any course numbered 1100 or greater † 3 credits or more

Notes:

* Grade 12 courses taken at BC Secondary Schools may be used to meet requirements.

† Completion of a Language Arts 12 course with a C or better may be required to access courses numbered 1100 or greater.

For a more detailed explanation of the graduation requirements, see the Ministry of Education Adult Graduation Diploma Program website (www.bced.gov.bc.ca/graduation/adult_graduation.htm).

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **BC Adult Graduation Diploma**.

Access Programs for People with Disabilities

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Continuous intake
Enrolment Type	Limited enrolment
Program Type	University Preparation
Credential Granted	Certificate of Completion
Offered At	Langley Richmond Surrey
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The APPD program is currently under review and will change effective fall 2015.

The goal of the programs in the Access Programs for People with Disabilities Department (formerly Adult Special Education Department) is to provide employment programs at the post-secondary level for adults with various disabilities. These programs will prepare students for employment, volunteer work and further education.

Work Exploration, Job Preparation and Vocational Skills Training programs are ten month programs starting in September of each year.

Students pay an application fee to KPU, plus a moderate tuition fee. In some cases, various government ministries may pay a portion of these costs.

CAREER OPPORTUNITIES

The APPD programs at KPU are designed to maximize interpersonal skills and employment opportunities for students with disabilities. With instruction and training, students can realize their employment and personal potential. These programs also prepare students for further studies.

PROGRAM ADMISSION REQUIREMENTS

- Adults (18 and older) with a defined disability may apply
- Assessment prior to entry to determine appropriate programs and eligibility
- Complete Access Programs for People with Disabilities application package
- Participate in intake interviews

Vocational Skills Training options require additional requirements prior to acceptance.

How do I Apply?

To initiate the application process, please attend an Information Session at your preferred campus. To register for the Information Sessions, visit www.kpu.ca/aca/appd.

PROGRAM REQUIREMENTS

Job Preparation

This program is designed to meet the employment needs of adults with disabilities who are seeking competitive employment, and includes both job-oriented classroom activities and a work experience component. Job Preparation is a ten month program with the possibility of extension if the student has nearly completed graduation requirements.

Work Exploration

This program is designed to provide information to students about entry-level work opportunities available for adults with disabilities, and combines job-oriented classroom instruction with a work experience component. Work Exploration is a ten month program with the possibility of extension if the student has nearly completed graduation requirements.

Vocational Skills Training

The Vocational Skills Training (VST) Program is designed to provide specific skills training and work experiences related to those skills.

CLERICAL ASSISTANT OPTION

Applicants must participate in a structured screening process in which experience in a clerical setting, documentation, and references will be assessed. Students registered in this option must also be enrolled in two of the following courses: BUSI 1215, CBSY 1105, CMNS 1110, CMNS 1140, LGLA 1115, LGLA 1135 OR LGLA 1145 (note that these courses are subject to regular tuition and fee rates). Upon successful completion of this option, students will earn credits for the completed School of Business courses and a Certificate of Completion in Vocational Skills Training - Clerical Assistant.

Note: The following options are under review and currently not offered:

Vocational Skills Training: Automotive Assistant (effective Fall, 2013)

Vocational Skills Training: Food Services Assistant (effective Fall, 2013)

Vocational Skills Training: Childcare Aide Option (effective Fall, 2014)

Vocational Skills Training: Early Childhood Educator Assistant (effective Fall, 2014)

CREDENTIAL AWARDED

Upon successful completion of the Job Preparation Option, students are eligible to receive a **Certificate of Completion in Access Programs for People with Disabilities – Job Preparation.**

Upon successful completion of the Work Exploration Option, students are eligible to receive a **Certificate of Completion in Access Programs for People with Disabilities – Work Exploration.**

Upon successful completion of Clerical Assistant Option, students are eligible to receive a **Certificate of Completion in Vocational**

Adult Basic Education: Certificates of Completion

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Continuous intake
Enrolment Type	Self-paced
Program Type	University Preparation
Credential Granted	Certificate of Completion
Offered At	Cloverdale Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This program and credentials are currently under review; not all courses may available in 2014-15. Please check with the ACA Educational Advisor to confirm your learning needs.

The Adult Basic Education Certificates of Completion each offer students recognition of their achievement as they advance their literacy and numeracy skills. Most courses are given in a continuous-entry, individually paced format, and are available year-round. Courses in the Certificates of Completion are part of the BC ABE Transfer program and may be taken at other post-secondary institutions and transferred to KPU.

The **Fundamental Certificate of Completion** recognizes a student's readiness to advance to the next level of high school completion and mastery of the fundamentals of reading, writing, and mathematics. Students will benefit from the fundamental level if they have difficulty with basic reading, writing, and math.

The **Intermediate Certificate of Completion** recognizes the equivalent completion of Grade 10. Students are well on their way to completing high school graduation, for direct entry into many trades and vocational programs, and for the GED. *The courses within this certificate are currently under review.*

The **Advanced Certificate of Completion** recognizes the equivalent completion of Grade 11. Upon completion, many students will be ready to challenge undergraduate course-work, and are ready to work towards BC Adult Graduation Diploma (Adult Dogwood). Completion of Advanced English will normally allow a student to succeed in the LPI test. *The courses within this certificate are currently under review.*

Courses in the Certificates of Completion above are **tuition free** for domestic (Canadian citizens and Permanent Residents) students. International rates apply to international students.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the university preparatory-level English Proficiency

Requirement, the following program admission requirements apply.

ENGQ 0065 Basic Reading Skills 2 3 credits

Plus:

MATQ 0006 Adult Literacy Fundamental Mathematics Level 6 no credits

PROGRAM REQUIREMENTS

Advanced Certificate of Completion Requirements

(Grade 11 equivalency)

This program and credentials are currently under review; not all courses may be available in 2014-15. Please check with the ACA Educational Advisor to confirm your learning needs.

All of:

ABEE 0081	Advanced English (Grade 11 equivalent)	3 credits
MATQ 0011	Advanced Mathematics (Math 11)	3 credits

Plus any two of the following:

ABEB 0011	Advanced Science (Biology 11)	4 credits
ABEB 0012	Provincial Science (Biology 12)	4 credits
ABEP 0011	Introduction to Physics (Physics 11)	4 credits
	A language at the grade 11 level or higher	3 credits

Intermediate Certificate of Completion Requirements

(Grade 10 equivalency)

This program and credentials are currently under review; not all courses may be available in 2014-15. Please check with the ACA Educational Advisor to confirm your learning needs.

All of:

ABEE 0070	Intermediate English (English 10)	3 credits
MATQ 0010	Intermediate Mathematics (Math 10)	3 credits
ABES 0010	Intermediate Science (Science 10)	3 credits

Plus:

An intermediate level (grade 10 or higher) socials course.	3 credits
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Fundamental Certificate of Completion Requirements

One of:

ENGQ 0064	Basic Writing Skills 2	3 credits
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OTHER INFORMATION

Sponsorship/Funding

Courses in the programs listed above are tuition free to Canadian Citizens and Permanent Residents. Some sponsorships are available from Human Resources Development Canada to cover other fees. In addition, students may apply to the ABE Student Assistance Program (ABESAP) for funds to help cover some general expenses. Please contact the ACA Educational Advisor at 604-599-2063 for further information.

CREDENTIAL AWARDED

Upon successful completion of the Adult Basic Education option, students are eligible to receive a **Certificate of Completion in Adult Basic Education**.

Bachelor of Arts Qualifying Year

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	No Credential
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The BA Qualifying Year provides students who are unsuccessful in their application to the BA program to begin their degree studies at the same time they complete the necessary academic upgrading to meet the minimum admission requirements. They will receive priority registration with other Bachelor of Arts students for the first year and, upon successful completion of upgrading courses, will be admitted to the Bachelor of Arts program.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Passing grade in either Pre-calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents)

PROGRAM REQUIREMENTS

Students will choose a variety of options to make the necessary academic upgrades within their first two semesters of study in order to meet the minimum admission requirements to the Bachelor of Arts degree program. These can include but are not limited to ENGQ 1099 and MATQ 1099. Students are encouraged to meet with an educational advisor or testing advisor to discuss their options.

All students in the BA Qualifying Year are required to take EDUC 1100.

Students are permitted to take university-level courses concurrently with the BA Qualifying Year requirements provided they meet the appropriate prerequisites.

CREDENTIAL AWARDED

Upon successful completion of the necessary academic upgrading, students in the BA Qualifying Year will be granted admission to the Bachelor of Arts degree program.

Career Choices and Life Success: Citation

Faculty of Academic and Career Advancement	kpu.ca/aca
Career Choices and Life Success	kpu.ca/aca/ccls
Implementation Date	01-Sep-2014
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	University Preparation
Credential Granted	Citation
Offered At	Langley Richmond Surrey
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Career Choices and Life Success program is designed to assist students researching career and life options. Students gain self-knowledge through the use of career assessments and labour market knowledge by meeting prospective employers. This 16-week program highlights career search communication skills: writing resumes, creating career portfolios, job interviews and computer skills (MS Office). The program also focuses on decision making and creating a plan of action. Students leave the program with defined life/career goals and a plan for success.

STUDENT PROFILE

Students must be mature, motivated to learn and open to new ideas.

CAREER OPPORTUNITIES

These are exploratory programs aimed at assisting students in identifying and researching realistic career goals and helping them in developing a plan of action to achieve short and long term employment and/or educational goals.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the university preparatory-level English Proficiency Requirement, the following program admission requirements apply.

- Applicants should attend an information session and must have a personal interview with the instructor.

PROGRAM REQUIREMENTS

The following courses are required for completion of the program. For a detailed schedule of instruction, consult the program home page: kpu.ca/aca/ccls

All of:

CCLS 0800	Self Knowledge: Basis for Success	2 credits
CCLS 0810	Communication Skills	3 credits
CCLS 0820	Personal Management and Problem Solving	1 credit
CCLS 0900	Career Assessment and Research	3 credits
CCLS 0915	Career and Education Experience	6 credits
CCLS 0920	Career and Life Planning	1 credit

OTHER INFORMATION

The Career Choices and Life Success Program is tuition free for domestic students. Although international students are welcome to participate, regular international tuition fees apply.

For more information, contact:

Langley Campus,

Elly Morgan
604.599.3431
elly.morgan@kpu.ca

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Career Choices and Life Success**.

English Language Proficiency: Diploma

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Limited enrolment
Program Type	University Preparation
Credential Granted	Diploma
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The English Language Studies Department offers academic English classes for students of English as an additional language. This diploma program provides full or part-time intensive English language study for students whose first language is not English and who intend to enrol in university studies or career and professional programs.

There are four levels of study:

1. Foundation Level (intermediate),
2. Level 1 (upper intermediate),
3. Level 2 (lower advanced), and
4. Level 3 (advanced).

The program consists of the required courses (reading, writing, listening and speaking) plus electives. At Level 2, students may begin enrolling in limited university studies or career and professional courses.

Courses in this diploma program are also open to non-program students. Please see the ELST courses section in the online calendar for descriptions. Most courses are offered in an accelerated

8-week format or full semester format. Accelerated courses start: September, November, January, March, May, July.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the university preparatory-level English Proficiency Requirement, the following program admission requirements apply.

- TOEFL iBT: 32 (with writing 12; listening 6; speaking 6); or
- IELTS: 4.5 (with no sub-score less than 4.0); or
- KIST (KPU speaking and listening test): 25, and Accuplacer: 78, and KPU ESL writing band: 3

All applicants must provide test results prior to admission so KPU can confirm you are eligible to take courses at KPU. Placement tests provide students with the prerequisite scores for correct

placement in the program. Applicants must have the necessary prerequisites to enrol in courses.

PROGRAM REQUIREMENTS

Students starting the ELST program in courses above the Foundation level should contact the Educational Advisor for the Faculty of Academic & Career Advancement for further information regarding program and graduation requirements.

Students are required to complete 60 credits according to the following program requirements:

Foundation Level

All of (minimum B- grade required in each course):

ELST 0041	Foundations Level-Reading and Writing	6 credits
ELST 0043	Foundation Level-Listening and Speaking	6 credits

One course from the following (minimum C grade required in each course):

ELST 0061	Intermediate Pronunciation	3 credits
ELST 0064	An Introduction to Canada	3 credits

(A Citation may be obtained upon completion of these courses).

Level 1

All of (minimum B- grade required in each course):

ELST 0181	English for Academic Purposes - Level 1	6 credits
ELST 0183	Academic Listening and Speaking Skills - Level 1	6 credits

One course from the following (minimum C grade required):

ELST 0061	Intermediate Pronunciation	3 credits
ELST 0064	An Introduction to Canada	3 credits
ELST 0162	Grammar 1	3 credits

Level 2

All of (minimum B- grade required in each course):

ELST 0281	English for Academic Purposes - Level 2	6 credits
ELST 0283	Academic Listening and Speaking Skills - Level 2	3 credits

Two courses from the following (minimum C grade required in each course):

One university level course		3 credits
ELST 0261	Advanced Pronunciation	3 credits
ELST 0262	Grammar II	3 credits

Level 3

All of (minimum B- grade required in each course):

ELST 0381	English for Academic Purposes - Level 3	6 credits
ELST 0383	Academic Listening and Speaking Skills - Level 3	3 credits

Two courses from the following (minimum C grade required in each course):

Up to 2 university level courses		3 or 6 credits
ELST 0261	Advanced Pronunciation	3 credits
ELST 0262	Grammar II	3 credits

Note: A minimum B grade is required in each ELST 0381 and 0383 to use as prerequisites to ENGL 1100.

CREDENTIAL AWARDED

Upon successful completion of the program, students are eligible to receive a **Diploma in English Language Proficiency**.

Upon successful completion of the Foundation Level, students are eligible to receive a **Citation in English Language Proficiency**.

English Language Preparatory Program

CREDENTIAL AWARDED

Completion of the beginner courses will prepare students to continue into Foundations level English Language Studies courses.

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Not applicable
Enrolment Type	Contact us
Program Type	University Preparation
Credential Granted	No Credential
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The English Language Studies Department offers academic English classes for students of English as an additional language. Our new **English Language Preparatory Program** is designed for students seeking English language preparation starting at the beginner level. Learners may begin in our English Language Studies Qualifying (ELSQ) courses and progress through to the English Language Studies (ELST) courses and English Language Proficiency Diploma. Courses are offered in an accelerated eight week format. Accelerated courses start: September, November, January, March, May, July.

PROGRAM ADMISSION REQUIREMENTS

Students may begin at any level of the program based on testing placement results.

PROGRAM REQUIREMENTS

Pre-Foundation Level

Courses included in this level:

ELSQ 0015	Basic English Communication	6 credits
ELSQ 0021	Introductory Reading and Writing	6 credits
ELSQ 0023	Introductory Listening and Speaking	6 credits
ELSQ 0031	Pre-Foundation Reading and Writing	6 credits
ELSQ 0033	Pre-Foundation Listening and Speaking	6 credits

See the ELST Diploma program for courses at the remaining levels.

University Qualifying Studies

Faculty of Academic and Career Advancement	kpu.ca/aca
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	University Preparation
Credential Granted	No Credential
Offered At	Cloverdale Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

University Qualifying Studies provides an opportunity for study for students who want to pursue upgrading or preparatory studies prior to beginning their undergraduate or vocational program.

Qualifying Studies courses are offered either in a semester-based format (for example, ENGQ 1091 and 1099, MATQ 1099, or BIOQ 1099), or in continuous-intake format (for example, ENGQ 0065, MATQ 1089).

Continuous-intake format classes accept new students every month, and students continue with their course or courses until they are completed. Continuous-intake courses are designed for those students who may require more time to upgrade their skills than would be available in a semester-based course.

Continuous-intake courses are grouped into levels, as follows:

- **Fundamental Level**
Students will benefit from the Fundamental Level if they have difficulty with basic reading, writing, and math. Completion of this level prepares students for some trades programs, and courses at the Intermediate Level.
- **Intermediate Level**
Completion of courses at this level prepares students for courses at the Advanced Level, for direct entry into many trades and vocational programs, and for the GED.
- **Advanced Level**
Completion of courses at the Advanced Level prepares students for courses at the Provincial Level. Advanced Level courses (such as MATQ 1094 and MATQ 1099) may also be used as prerequisites for other courses at KPU. Completion of Advanced English courses will normally allow a student to succeed in the LPI test. Advanced Level math is a requirement of the Adult Graduation Diploma (the Adult Dogwood).
- **Provincial Level**
Courses at the Provincial Level include ENGQ 1091, ENGQ 1092, and BIOQ 1099. These courses are normally only available in semester-based format.

To prepare for undergraduate or vocational program admission, students should review the program admission requirements of their intended program, and use the information below to plan their courses.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the university preparatory-level English Proficiency Requirement.

Access to University Qualifying Studies depends on individual course prerequisites; students may qualify depending on previous academic experience and/or assessment.

All applicants are recommended to take assessments in English and/or math to ensure appropriate placement in the program. Assessments are booked through Student Enrolment Services (kpu.ca/ses).

PROGRAM REQUIREMENTS

Requirements are dependent on the program of study the student is pursuing. For information about planning courses to meet admission requirements or course prerequisites, see Adult Basic Education and Qualifying Studies Courses.

For course descriptions, see:

- Biology Qualifying (BIOQ)
- Chemistry Qualifying (CHEQ)
- English Qualifying (ENGQ)
- Mathematics Qualifying (MATQ)
- Physics Qualifying (PHYQ)

Note: Some of these courses were previously listed as Adult Basic Education (ABE) courses.

CREDENTIAL AWARDED

These courses may be used to prepare for many KPU programs.

Some Qualifying Studies courses are provincially articulated through the Adult Basic Education (ABE) articulation system; some Qualifying Studies courses may be transferrable. Please check with the ACA Educational Advisor for details.

Faculty of Arts

Welcome to the Faculty of Arts.

DEAN:

Diane Purvey, PhD

Phone: 604.599.2052

Email: arts@kpu.ca

BA ADVISING CENTRE

If you have questions regarding programs in the Faculty of Arts, please contact the BA Advising Centre.

Phone: 604.599.3068

Email: baadvisor@kpu.ca

For other questions, please see our webpage – kpu.ca/arts

ARTS DEGREE PROGRAM FRAMEWORKS:

The Bachelor of Arts and Associate of Arts degrees at KPU follow a framework model. General degree requirements are listed in the framework documents and specific requirements are shown in the major, minor, and specialties listed in the Faculty of Arts.

- Bachelor of Arts framework requirements
- Associate of Arts framework requirements

GENERAL ARTS PROGRAMS:

In addition to the framework programs, KPU has the following general arts programs:

- Bachelor of Arts Double Minor
- Bachelor of Arts, General Studies
- Associate of Arts Degree in General Studies
- Diploma in Arts
- Diploma in General Studies
- Certificate in Arts
- Bachelor of Arts Qualifying Year

ARTS REQUIREMENT INFORMATION:

- Quantitative courses

IN THIS SECTION:

You will find details of the Arts programs:

- About the Faculty of Arts
- Bachelor of Arts Framework
- Associate of Arts Degree Framework
- Double Minor: Bachelor of Arts
- Arts: Diploma
- Arts: Certificate
- Bachelor of Arts Qualifying Year
- Anthropology: Bachelor of Arts Major and Minor
- Anthropology: Associate of Arts Degree
- Asian Studies: Bachelor of Arts Major and Minor

- Asian Studies: Associate of Arts Degree
- Canadian Studies: Associate of Arts Degree
- Community Criminal Justice: Bachelor of Arts (also: Honours)
- Counselling: Bachelor of Arts Minor
- Creative Writing: Bachelor of Arts Major and Minor
- Creative Writing: Associate of Arts Degree
- Criminology: Bachelor of Arts Honours, Major, and Minor
- Criminology: Associate of Arts Degree
- Criminology: Diploma
- Criminology: Certificate
- Economics: Bachelor of Arts Minor
- Economics: Associate of Arts Degree
- Educational Transitions
- English: Bachelor of Arts Major and Minor
- English: Associate of Arts Degree
- Fine Arts: Bachelor of Fine Arts, Visual Arts
- Fine Arts: Diploma
- Fine Arts: Certificate
- General Studies: Bachelor of Arts Degree
- General Studies: Associate of Arts Degree
- General Studies: Diploma
- Geography: Bachelor of Arts Minor
- Geography: Associate of Arts Degree
- History: Bachelor of Arts Major and Minor
- History: Associate of Arts Degree
- Journalism: Bachelor of Journalism (also: Honours)
- Mathematics: Bachelor of Arts Minor
- Modern Languages
- Music, General Studies: Bachelor of Music in Musical Arts Degree
- Music: Associate of Arts Degree
- Music: Diploma
- Non-Governmental Organizations and Nonprofit Studies: Certificate
- Philosophy: Bachelor of Arts Honours, Major, and Minor
- Philosophy: Associate of Arts Degree
- Policy Studies: Bachelor of Arts Major and Minor
- Political Science: Bachelor of Arts Major and Minor
- Political Science: Associate of Arts Degree
- Psychology: Bachelor of Applied Arts (also: Honours)
- Psychology: Bachelor of Arts Honours, Major, and Minor
- Psychology: Associate of Arts Degree
- Psychology - Applied: Bachelor of Science (also: Honours)
- Sociology: Bachelor of Arts Major and Minor
- Sociology: Associate of Arts Degree
- Special Education Teacher Assistant: Certificate
- Liberal Education Electives for Bachelor of Applied Arts in Psychology
- Quantitative Courses for the Bachelor of Arts

Bachelor of Arts Framework

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

KPU's Bachelor of Arts Degree programs offer an integrated educational experience that helps students develop an appreciation for the relationships among personal, societal, and global well-being, and the personal implications for such issues as the basis of ethical judgment, social diversity, and the expectations of social responsibility. Students will develop skills to apply effective research, writing, and oral skills to problem-solve and develop into innovative, critical and creative thinkers.

Students can create a Bachelor of Arts Degree from a variety of majors and minors that meet their specific interests and goals, and which will prepare them for a wide range of careers after graduation. All BA Degree students will gain valuable skills that are required in today's changing labour market including communication skills, critical thinking skills, research skills, problem-solving skills, personal management skills and time management skills.

Students may complete a Bachelor of Arts degree with the following majors/areas:

- Anthropology
- Asian Studies
- Creative Writing
- Criminology (also: Honours)
- Double Minor
- English
- General Studies
- History
- Philosophy (also: Honours)
- Policy Studies
- Psychology (also: Honours)
- Sociology

CAREER OPPORTUNITIES

The Bachelor of Arts degree will develop students with key essential skills sought by employers such as critical thinking, quantitative and logical skills, global and cultural awareness, and oral and written communication skills. The versatility of the Bachelor of Arts degree will allow students to design programs of

study that will prepare them for careers or further study in areas such as the following:

- Business
- Community service
- Law
- Policing
- Primary and secondary education
- Professional writing
- Public administration
- Public planning
- Religious studies
- Social Work

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

The following core requirements are to be completed for all Bachelor of Arts Degree Programs:

- Complete a total of 120 credits which includes:
 - a minimum of 65 total credits in Arts* courses, and
 - a minimum of 45 of the total credits with courses numbered 3000 or higher.
- A minimum cumulative GPA of 2.00 with a minimum grade of "C" in all of the following required courses within the degree program (except where stated):
 - 6-credit English writing requirement which includes ENGL 1100 and one of either ENGL 1202 or 1204 (or equivalent).
 - Minimum 9-credit quantitative requirement that must include a minimum of 3 approved quantitative courses, one of which must be taken from the Faculty of Science and Horticulture.
 - 24-credit Arts breadth requirement consisting of a minimum of one course in at least four (4) separate Arts* disciplines outside of the major program area, one of which must be at the 3000-level or higher.
 - Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate

competency in a second language may request an assessment to have this requirement waived.

- Required courses for the major and/or minor program(s).

* **Note:** Courses eligible to count towards the 65- and 24-credit Arts requirements include all courses offered by the Faculty of Arts, all ECON courses, and CMNS 3100.

Other completed courses may qualify to meet degree requirements. Students are encouraged to contact a Arts Degree Advisor with questions about eligibility for program application or graduation.

In addition to completing the core requirements of all KPU Bachelor of Arts degree programs indicated above, students will have to complete additional course and program requirements according to their chosen program of study within the Faculty of Arts.

Students are normally expected to complete at least 60 credits at Kwantlen Polytechnic University for a B.A. degree; however, they may make a request for an exemption to this ruling on an individual basis through Enrolment Services. If such an exemption is granted, then residency may be limited to no fewer than 30 credits. In any case, at least 50% of the required upper level credits within the subject area must be completed at KPU. For the BA in General Studies, the subject area includes all 45 upper level credits.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Arts**; a **Bachelor of Arts (Honours)**; or a **Bachelor of Arts, General Studies**. Transcripts will indicate majors and/or minors in a specific field of study.

Note: students may not earn an honours credential or obtain additional major or minor designations for a credential that has already been awarded. All declarations must be made when applying to graduate.

Associate of Arts Degree Framework

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study.

The associate degree curriculum comprises two years of post-secondary level study in a variety of academic areas. Students are required to complete a broad range of course offerings balanced with in-depth study in specific disciplines. Since many students will continue their studies, the requirements are sufficiently flexible to enable students to plan their educational program carefully and to complete the required prerequisites for third year course work at KPU or another BC university. Students will be exposed to concepts, theories and modes of inquiry in the humanities, the social sciences and the sciences to develop:

- an interest in, and curiosity about the world around them
- an understanding of the global context in which they live and work
- an appreciation of intellectual thought and human creativity
- an openness to a variety of viewpoints
- a capacity for and interest in self directed life-long learning
- acceptance of the social responsibilities that come with the benefits of advanced learning

In addition, the program of study should develop and improve those skills and abilities essential for academic success at an advanced intellectual level. These may be taught in some courses, embedded in the curriculum of others, or achieved through class participation and the learning process. These include but are not limited to:

- advanced reading comprehension
- effective written and oral communications
- mathematical and scientific reasoning
- computer and technological literacy
- research and evaluative skills
- analysis, synthesis and integration of knowledge
- critical thinking and problem solving

- application of theoretical understanding to practice
- working collaboratively

KPU offers Associate of Arts degrees in the following concentrations:

- Anthropology
- Asian Studies
- Canadian Studies
- Creative Writing
- Criminology
- Economics
- English
- General Studies
- Geography
- History
- Music
- Philosophy
- Political Science
- Psychology
- Sociology

Transfer to a Bachelor of Arts Program

Students can apply to KPU's Bachelor of Arts degree programs with a complete Associate of Arts degree. Students are encouraged to complete key degree requirements to be awarded priority access to 3000 and 4000 level courses in their area of specialization. Completion of an Associate of Arts degree does not guarantee admission. See Program Admission Requirements for the Bachelor of Arts for more information.

Students who graduate with an Associate of Art degree in order to transfer to a BC institution to complete their degree studies are awarded 60 transfer credits at the receiving institution. Students are strongly encouraged to obtain program information from the appropriate transfer institution to ensure all first and second year program requirements are met within their Associate of Arts program. Completion of an Associate of Art degree does not guarantee admission.

Students are responsible for ensuring their courses are transferable to other receiving institutions by checking the online transfer guide from the **BC Council on Admission and Transfer** at www.bccat.ca.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students are required to complete 60 semester credit hours of first and second year courses with a minimum grade of 'C' in all courses. These must include a minimum of 21 credits in Arts at the second-year level taken in two or more subject areas.

Specific Requirements

- Six credits in first-year English
- Nine credits in Science which shall include at least:
 - A – One course chosen from the following:
 - ACCT 1230
 - CPSC 1100 or higher
 - CRIM 2103
 - GEOG 2390
 - MATH 1112 or higher
 - PSYC 2300
 - SOCI 2365
 - B – One course chosen from the following lab sciences:

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts** degree in their chosen subject area.

- ANTH 1217* or ANTH 1212* (discontinued)
- ASTR 1100
- BIOL 1110, 1112, 1160, 1210, 1260 or higher
- CHEM 1101
- ENVI 1112* (discontinued)
- GEOG 1110, 1120, 2310, 2320, 2330
- GEOL 1210
- PHYS 1100 or higher
- One additional course chosen from either A or B.
- Thirty-six credits in Arts†, which shall include:
 - Six credits in Social Sciences (ANTH, CRIM, ECON, GEOG, POLI, POST, PSYC, or SOCI, or any course cross-listed with these)
 - Six credits in Humanities (ARTH, ASIA, CRWR, FINA, FREN, GERM, HIST, HUMN, JAPN, LING, MAND, MODL, MUSI, PHIL, PUNJ, or SPAN, or any course cross-listed with these)
 - Twenty-four additional credits in Arts†
- Nine credits in Arts, Science, or other areas

Notes:

* Does not fulfill the science requirement at KPU or elsewhere for Science majors.

† Arts courses include all courses offered by the Faculty of Arts and all ECON courses. Areas designated as Social Sciences and Humanities are for the purposes of this Framework only.

Students intending to transfer elsewhere should check whether courses designated as Arts, Humanities, or Social Sciences at KPU fulfill the same area criteria at their destination institution.

Course Numbering

With the exception of all Adult Basic Education (ABE), Post-Secondary Program Readiness (PSP) courses, and ENGQ 1099, MATQ 1092, MATQ 1093, CHEQ 1094, courses numbered 1000–1999 are primarily first year undergraduate courses. Courses numbered 2000–2999 are primarily second year. Students may follow this as a guideline when choosing their courses for the Associate of Arts degree. However, there are some exceptions to this rule. Below is a list of 1000 level courses that may be used for second year credit.

- ANTH 1100, 1200, 1217, 1220 (discontinued), 1260 (discontinued), 1290 (discontinued), 1291 (discontinued), 1300
- CRIM 1101, 1203 (discontinued), 1207, 1208
- CRWR 1100, 1110
- FINA 1100, 1110, 1111 (discontinued), 1170, 1175, 1200, 1230, 1231, 1242, 1244 (discontinued), 1247 (discontinued), 1270
- FREN 1210
- GEOG 1110, 1120, 1160, 1211 (discontinued), 1212 (discontinued)
- HIST 1113, 1114, 1145, 1146, 1150, 1151, 1170
- JAPN 1200
- MUSI 1013 (discontinued), 1023 (discontinued)
- PHIL 1110, 1112, 1145, 1150
- POLI 1110, 1120, 1123, 1125, 1145, 1150, 1240 (discontinued)
- SOCI any 1200 level course or higher

Double Minor: Bachelor of Arts

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Students may create a Bachelor of Arts, Double Minor degree program of study by selecting minors in two arts-related disciplines. These programs of study will normally involve a selection of courses from departments that most interest the student and best meet their needs for a coherent program.

The BA, Double Minor degree program will bridge knowledge and skills acquisition, combining traditional classroom-based theory courses with those emphasizing essential and analytical skills and their application to problem solving.

Key features of the program include:

- The development of knowledge, core competencies, and skills characteristic of traditional bachelor of art programs
- The preparation of students for entry into the labour market by incorporating essential skills in all courses
- The preparation of students to respond innovatively to emerging trends in society
- Clear benefits to students and to our communities by providing an opportunity for students to complete a Bachelor of Arts degree at KPU where there is established emphasis on teaching, emerging emphasis on undergraduate research, long-standing connections to South Fraser communities, and accessibility for students in the expanding South Fraser region.

The flexibility of the program will allow students to target a wide range of employment opportunities. They may pursue a general liberal arts education or, in consultation with an advisor, structure a program leading to a specific career goal in fields such as peace studies, counseling, urban planning, urban environmental issues, teaching and law.

CAREER OPPORTUNITIES

Graduates with a BA, Double Minor degree will be well prepared for a range of potential occupations. The versatility of the BA, Double Minor degree will allow students to design programs of study that will prepare them for careers or further study in areas such as the following:

- Business
- Community Service
- Law and Justice
- Policing
- Primary and Secondary Education
- Professional Writing
- Public Administration
- Public Planning
- Religious Studies
- Social Work

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess

at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate the Double Minors.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

The flexibility of the BA, Double Minor degree allows students to customize their programs to reflect more directly their personal interests and facilitates their preparation for future career and educational goals. The program structure for each student in the BA, Double Minor program will vary depending upon the courses selected.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

BA Double Minor program options:

- Anthropology
- Asian Studies
- Counselling
- Creative Writing
- Criminology
- Economics
- English
- Geography
- History
- Mathematics
- Philosophy
- Policy Studies
- Political Science
- Psychology
- Sociology

Arts: Diploma

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Arts**.

DESCRIPTION

The Diploma of Arts degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study.

Transfer to a Bachelor of Arts Program

Students intending to complete a BA at KPU should ensure they are familiar with the entrance and degree requirements. Students intending to transfer to another institution should ensure that their course selection meets the requirements of the Bachelor Degree at the institution of their choice and includes the first and second year requirements of their intended major program.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

This diploma includes 60 semester credit hours in university level studies including:

First Year

- Six credits of first-year English
- Any other eight courses with university transfer credit

Second Year

Any other ten university studies courses including two chosen from the following disciplines:

- Creative Writing or English at the 2000 level,
- History,
- Music (with the exception of private lessons),
- Philosophy,
- Political Science, and
- Sociology at the 1200 level or higher.

Arts: Certificate

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Certificate of Arts degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study.

Transfer to a Bachelor of Arts Program

Students intending to finish a degree at KPU should become familiar with entrance requirements and degree requirements. Students intending to transfer to another institution are responsible for ensuring that their course selection meets the program requirements at the institution.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

This certificate includes 30 semester credit hours in university level studies including:

- 6 credits in first year English
- Eight courses with university transfer level status

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Arts**.

Anthropology: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Anthropology	kpu.ca/arts/anthropology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Anthropology is a broad discipline because its subject matter is the entirety of human diversity. Anthropologists contribute to an understanding of the human condition through interpretations of human biological and cultural variation. Anthropology is often divided into four sub-fields. **Archaeology** examines the past using material remains, including artistic artifacts, skeletal material, and architecture. **Social and cultural anthropology** is concerned with contemporary human societies throughout the world, and their complex inter- and intra-relationships. **Linguistic anthropology*** examines diversity in language, including historical migrations and relationships between languages. **Biological anthropology** concerns human biological evolution and biological variation, including skeletal and genetic, and the interaction between human biology and our environments.

KPU anthropology students work toward leadership-based careers integrated with local and global communities. Students will cultivate and demonstrate skills in inter- and intra-cultural communication, analysis, and both scientific and humanistic methodology.

The goal of the Bachelor of Arts in Anthropology Program at KPU is to prepare students for life, work, and research in diverse local communities, in a knowledge- and information-based economy for a world that is increasingly globally interconnected.

KPU is a participant of the BCCAT Flexible Pre-major transfer agreement for Anthropology. For detailed information pertaining to the Flexible Pre-Major in Anthropology, please visit KPU's Anthropology department's website.

***Note:** The Anthropology Department at KPU does not currently offer courses in Linguistic Anthropology. Students are encouraged to take these courses through the Department of Modern Languages at KPU.

CAREER OPPORTUNITIES

A Bachelor of Arts in Anthropology is directly applicable in employment fields such as market research, non-governmental organizations (NGOs) and development studies, business,

community liaison, legal careers, criminal investigation, environmental assessment and management, teaching, and health care, among many others. We anticipate our graduates will use skills developed during an anthropology degree throughout the rest of their careers. Our current anthropology field school involves direct interaction at a high level with First Nations communities and anthropology professionals, and has been endorsed by the British Columbia Association of Professional Archaeologists, the first such endorsement in Canada. Our program is also designed to give students a solid foundation for entry into graduate programs.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations

of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students are projected to complete the BA in Anthropology in four years, with a total of 48 credits in Anthropology. This requirement will include 9 first year and 9 second year credits in foundational courses, then 21 third year and 9 fourth year credits in advanced methods, theory, ethics, topical, and applied courses. Anthropology students at KPU will be able to focus on one or more streams within the discipline: archaeology, biological anthropology, and cultural anthropology.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Anthropology Major

1000 LEVEL

Students are required to complete the following courses:

ANTH 1100	Social & Cultural Anthropology	3 credits
ANTH 1200	Biological Anthropology	3 credits
ANTH 1300	Archaeology	3 credits

Recommended:

ANTH 1217	Forensic Anthropology	3 credits
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Notes:

ANTH 1217 is the pre-requisite for ANTH 2217, 3220, and other upper level courses.

Completion of the courses listed above with a minimum grade of 'C' will fulfill prerequisites to 2000-level Anthropology courses.

2000 LEVEL

Students are required to complete 3 credits of the following methods courses:

ANTH 2100	Method and Ethics in Anthropology	3 credits
ANTH 2217	Forensic Methods & Analysis	3 credits
ANTH 2300	Archaeological Methods	3 credits

Students are required to complete a minimum of 6 additional ANTH credits at the 2000 level:

ANTH 2120	Cross-Cultural Women's and Gender Studies	3 credits
ANTH 2133	Religion, Magic and Witchcraft	3 credits
ANTH 2140	First Nations Cultures of B.C.	3 credits
ANTH 2142	First Nations Cultures of Canada	3 credits
ANTH 2160	Culture and Environment	3 credits
ANTH 2163	Culture, Health and Healing	3 credits
ANTH 2190	Non-Governmental Organizations in Context	3 credits
ANTH 2310	Archaeology of Death	3 credits
ANTH 2320	Archaeology of the Old World	3 credits
ANTH 2340	Archaeology of the Americas	3 credits

3000 LEVEL

Students are required to complete 3 credits of the following theory courses:

ANTH 3100	Anthropological Theory	3 credits
ANTH 3300	Archaeological Theory	3 credits

Students are required to complete a minimum of 18 additional ANTH credits at the 3000 level:

ANTH 3130	Sikh Culture, Religion and Society	3 credits
ANTH 3168	Deviance Across Cultures	3 credits
ANTH 3188	Visual Anthropology	3 credits
ANTH 3190	Non-Governmental Organizations in Practice	3 credits
ANTH 3220	Human Osteology	3 credits
ANTH 3242	A Survey of the Primates	3 credits
ANTH 3301	Archaeological Methods for Cultural Resource Management	3 credits
ANTH 3330	East Asian Archaeology	3 credits
ANTH 3340	British Columbia Archaeology	3 credits
ANTH 3361	Archaeology Field Studies	6 credits
ANTH 3500	Directed Readings in Anthropology	3 credits
ANTH 3501	Special Topics in Cultural Anthropology	3 credits

ANTH 3502	Special Topics in Biological Anthropology	3 credits
ANTH 3503	Special Topics in Archaeology	3 credits
ANTH 3510	Anthropology of Genocide	3 credits

Notes:

- ANTH 3301 (formerly 2301) is a methods course.
- ANTH 3301, 3340, and 3361 will be offered simultaneously as a field school option for upper level students in Summer Term.

4000 LEVEL

Students are required to complete a minimum of 9 credits of Anthropology at the 4000 level:

ANTH 4101	Contemporary Readings in Anthropology	3 credits
ANTH 4500	Culture, Community, and Well-Being	3 credits
ANTH 4501	Selected Problems in Anthropology	3 credits
ANTH 4502	Regional Focus in Anthropology	3 credits
ANTH 4510	Applied Research in Anthropology	3 credits

Notes:

Anthropology Major with a Cultural Anthropology Focus

For an Anthropology Major with a focus on cultural anthropology, students are advised to choose from the following course offerings: ANTH 2100, 2120, 2133, 2140, 2142, 2160, 2163, 2190, 2310, 3100, 3130, 3168, 3188, 3190, 3500, 3501, 3510, 4101, 4500, 4501, and 4502.

Anthropology Major with an Archaeology & Biological Anthropology Focus

For an Anthropology Major with a focus on archaeology and biological anthropology, students are advised to choose from the following course offerings: ANTH 2217, 2300, 2310, 2320, 2340, 3220, 3242, 3300, 3301, 3330, 3340, 3361, 3500, 3502, 3503, 3510, 4500, 4501, 4502, and 4510.

Anthropology Minor

The Minor in Anthropology enables students to acquire skills and a well-rounded knowledge base in both the general discipline of anthropology and a specific sub-field of study (i.e., archaeology and biological anthropology, or cultural anthropology) that suits their individual interests.

It is our intention that these requirements provide students with employability skills that include:

1. critical thinking skills;
2. cross-cultural and historical awareness in a multicultural society affected by globalization;
3. the ability to apply abstract ideas to deal with specific issues or problems;
4. practical and cross-cultural experience in the areas of archaeological, forensic, and ethnographic research

1000 LEVEL

Students are required to complete all of the following courses:

ANTH 1100	Social & Cultural Anthropology	3 credits
ANTH 1200	Biological Anthropology	3 credits
ANTH 1300	Archaeology	3 credits

Recommended:

ANTH 1217	Forensic Anthropology	3 credits
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Notes:

ANTH 1217 is the prerequisite for ANTH 2217 and 3220.

Completion of the courses listed above with a minimum GPA of 2.0 will fulfill prerequisites to all 2000-level Anthropology courses.

2000 LEVEL

Students are required to complete 3 credits of the following methods courses:

ANTH 2100	Method and Ethics in Anthropology	3 credits
ANTH 2217	Forensic Methods & Analysis	3 credits
ANTH 2300	Archaeological Methods	3 credits

Students are required to complete a minimum of 6 additional ANTH credits at the 2000 level.

ANTH 2120	Cross-Cultural Women's and Gender Studies	3 credits
ANTH 2133	Religion, Magic and Witchcraft	3 credits
ANTH 2140	First Nations Cultures of B.C.	3 credits
ANTH 2142	First Nations Cultures of Canada	3 credits
ANTH 2160	Culture and the Environment	3 credits
ANTH 2163	Culture, Health and Well-Being	3 credits
ANTH 2310	Archaeology of Death	3 credits
ANTH 2320	Archaeology of the Old World	3 credits
ANTH 2340	Archaeology of the Americas	3 credits

3000 LEVEL

Students are required to complete 3 credits of the following theory courses:

ANTH 3100	Anthropological Theory	3 credits
ANTH 3300	Archaeological Theory	3 credits

Students are required to complete a minimum of 9 additional ANTH credits at the 3000 level:

ANTH 3130	Sikh Culture, Religion and Society	3 credits
ANTH 3168	Deviance Across Cultures	3 credits
ANTH 3188	Visual Anthropology	3 credits

ANTH 3220	Human Osteology	3 credits
ANTH 3242	A Survey of the Primates	3 credits
ANTH 3301	Archaeological Methods for Cultural Resource Management	3 credits
ANTH 3330	East Asian Archaeology	3 credits
ANTH 3340	British Columbia Archaeology	3 credits
ANTH 3361	Archaeology Field Studies	6 credits
ANTH 3500	Directed Readings in Anthropology	3 credits
ANTH 3501	Special Topics in Cultural Anthropology	3 credits
ANTH 3502	Special Topics in Biological Anthropology	3 credits
ANTH 3503	Special Topics in Archaeology	3 credits
ANTH 3510	Anthropology of Genocide	3 credits

Notes:

- ANTH 3301 (formerly 2301) is a methods course.
- ANTH 3301, 3340, and 3361 will be offered simultaneously as a field school option for upper level students in Summer Term.

4000 LEVEL

Required Course:

ANTH 4500	Culture, Community, and Well-Being	3 credits
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Notes:

Anthropology Minor with a Cultural Anthropology Focus

For an Anthropology Minor with a focus on cultural anthropology, students are advised to choose from the following course offerings: ANTH 2100, 2120, 2133, 2140, 2142, 2160, 2163, 2190, 2310, 3100, 3130, 3168, 3188, 3190, 3500, 3501, 3510, 4500.

Anthropology Minor with an Archaeology & Biological Anthropology Focus

For an Anthropology Minor with a focus on archaeology and biological anthropology, students are advised to choose from the following course offerings: ANTH 2217, 2300, 2310, 2320, 2340, 3220, 3242, 3300, 3330, 3340, 3361, 3500, 3502, 3503, 3510, 4500.

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Anthropology**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Anthropology**.

Anthropology: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Anthropology	kpu.ca/arts/anthropology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

ANTH 2142	First Nations Cultures of Canada	3 credits
ANTH 2160	Culture and the Environment	3 credits
ANTH 2163	Culture, Health and Well-Being	3 credits
ANTH 2217	Forensic Methods & Analysis	3 credits
ANTH 2300	Archaeological Methods	3 credits
ANTH 2310	Archaeology of Death	3 credits
ANTH 2320	Archaeology of the Old World	3 credits
ANTH 2340	Archaeology of the Americas	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Anthropology**.

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Anthropology.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree students are required to complete at least 60 credits with a minimum grade of C in each course, including:

All of:

ANTH 1100	Social & Cultural Anthropology	3 credits
ANTH 1200	Biological Anthropology	3 credits
ANTH 1300	Archaeology	3 credits

Two of:

ANTH 1217	Forensic Anthropology	3 credits
ANTH 2100	Methods & Ethics in Anthropology	3 credits
ANTH 2120	Cross-Cultural Women's and Gender Studies	3 credits
ANTH 2133	Religion, Magic, and Witchcraft	3 credits
ANTH 2140	First Nations Cultures of BC	3 credits

Asian Studies: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Asian Studies	kpu.ca/arts/asian-studies
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major in Asian Studies focuses on the diverse cultures of Asia, our country and our community. The degree allows students to develop the knowledge and skills characteristic of a traditional BA program while preparing them to respond creatively to the challenges they will encounter in an increasingly interconnected world. In this four-year interdisciplinary program, students will not only acquire practical skills that they can employ in their multicultural communities locally, they will also develop the intellectual and cultural skills required to operate successfully in a world where the nations of East and South Asia are increasingly influential.

A Minor in Asian Studies will allow students in other programs such as History, Geography, Sociology, Psychology, and Criminology to complement their main field of study with courses from the Asian Studies curriculum. The main focus of the Minor in Asian Studies is to produce graduates who combine expertise in their chosen career field with a high level of understanding of Asian cultural norms. Students in the Asian Studies program will benefit from our faculty's commitment to teaching excellence, and from the small class sizes at Kwantlen Polytechnic University. Arts degrees enjoy high rates of participant satisfaction, and the literacy and analytical skills developed in such programs create constructive members of society who fit well into the workplace.

CAREER OPPORTUNITIES

In our increasingly globalized economy, a graduate who combines Asian language skills with an awareness of the region's cultural and historical heritage will automatically have a number of advantages over someone who does not. The versatility of the BA in Asian Studies will allow students to design programs of study that will prepare them for careers or further study in areas such as public history, primary and secondary education, professional writing, graduate studies, business or self-employment, community service, law or policing, military, non-governmental organizations, public administration, religious studies, and social work.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Asian Studies students begin their first year of studies with courses that broadly introduce the countries and cultures of East and South Asia, as well as some of the social science methodologies required in upper level courses. As they progress to more narrowly defined regional courses, students will examine in greater depth the societies, cultures, political systems, economies and histories of the peoples and nations of South and East Asia, as well as their interactions with Canada and the rest of the world.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts Framework in addition to their major or minor program requirements.

Asian Studies Major

The following requirements are to be completed for the Bachelor of Arts, Asian Studies Major program.

LOWER LEVEL

Students are required to complete 18 credits of lower level Asian Studies designated core courses with at least 12 of these credits at the 2000 level. Language courses cannot be applied to this requirement. Note that many 2000 level courses require specific course prerequisites at the 1000 level.

Courses with a primary focus on Asian Studies content and/or issues but which are not included in this list may be considered as credits for the Bachelor of Arts in Asian Studies upon request for course substitution by students declared in the program. Students must consult with a Arts Degree Advisor or the Asian Studies Degree Coordinator to confirm eligibility.

1000 Level

ASIA 1111	The Religions of India (formerly HUMN 1111)	3 credits
ASIA 1311	Religions of East Asia	3 credits
CUST 1200 / JAPN 1200	Introduction to Contemporary Japanese Society and Culture	3 credits

HIST 1150	Introduction to Traditional East Asia	3 credits
HIST 1160	Introduction to South Asian History	3 credits

2000 Level

ASIA 2120	Introduction to Chinese and Japanese Cinema	3 credits
ASIA 2150 / HIST 2150	Tea in China and Japan	3 credits
ASIA 2151	Folklore of China and Japan	3 credits
ASIA 2156 / HIST 2156	Martial Arts of China and Japan	3 credits
ASIA 2250	South Asians Around the Globe	3 credits
ASIA 2252	Indian Society Through Popular Film	3 credits
ASIA 2255	Women in Modern India	3 credits
ASIA 2355 / HIST 2355	The Chinese Overseas: A Global History of Chinese Migration	3 credits
ASIA 2399	Readings in Asian Studies	3 credits
GEOG 2185	Regional Geography of East Asia	3 credits
GEOG 2190	Regional Geography of South Asia	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 2375	Japan under the Shoguns	3 credits
PHIL 2115	Asian Philosophy	3 credits
POLI 2140	Comparative Politics of Asia	3 credits
SOCI 2230	Racialization and Ethnicity in Canada	3 credits
SOCI 2285	Gods in the Global Village	3 credits

UPPER LEVEL

Students are required to take 30 credits of upper level courses from the list of core courses approved for the Asian Studies Major, with at least 12 credits at the 4000. Language courses cannot be applied to this requirement. Note that many 3000 and 4000 level courses require specific course prerequisites at the 1000 and 2000 levels.

Courses with a primary focus on Asian Studies content and/or issues but which are not included in this list may be considered as credits for the Bachelor of Arts in Asian Studies upon request for course substitution by students declared in the program. Students must consult with a Arts Degree Advisor or the Asian Studies Degree Coordinator to confirm eligibility.

The 30 credits of upper level courses must include at least one of the following courses:

ASIA 4350	Canadian East and South Asian Communities	3 credits
ASIA 4900	Directed Research Project in Asian Studies	3 credits

The remaining upper level credits are to be completed from the following list of core courses approved for the Asian Studies Major:

3000 Level

ANTH 3130	Sikh Culture, Religion and Society	3 credits
ANTH 3330	East Asian Archeology	3 credits
ASIA 3140 / HIST 3140	Environment and Society in East Asia	3 credits
ASIA 3149 / HIST 3149	Hong Kong: Past, Present, and Future	3 credits
ASIA 3150 / HIST 3150	East Asian Immigrants to North America	3 credits
ASIA 3151	Gender in East Asia	3 credits
ASIA 3152	Ethnicity in China and Japan	3 credits
ASIA 3154	Chinese Cinema and Society	3 credits
ASIA 3230	Islam in South Asia	3 credits
ENGL 3345	Diasporic Literatures	3 credits
HIST 3350	China in the Twentieth Century	3 credits
HIST 3360	British India, 1857–1947	3 credits
HIST 3361	The Indian Subcontinent since 1947	3 credits
HIST 3370	Modern Japan	3 credits
HIST 3380	World War II in the Pacific	3 credits
JAPN 3310 / CUST 3310	Japanese Culture and Business	3 credits
JAPN 3320 / CUST 3320	Japanese Culture Through Film	3 credits
JAPN 3350 / CUST 3350	Contemporary Japanese Society and Culture: Field School	6 credits
LBED 3120	Study of Cultures (discontinued)	3 credits
POLI 3146	Government and Politics of India	3 credits
POLI 3240	Chinese Government and Politics	3 credits
SOCI 3230	International Migration and Ethnic Communities	3 credits

4000 Level

ASIA 4350	Canadian East and South Asian Communities	3 credits
ASIA 4351	Advanced Topics in Asian Cinema	3 credits
ASIA 4499	Selected Topics in Asian Studies	3 credits
ASIA 4900	Directed Research Project in Asian Studies	3 credits
HIST 4450	China and the West	3 credits

HIST 4455	Sages and Statecraft in China	3 credits
HIST 4460	Gandhi in History	3 credits
HIST 4470	The Samurai	3 credits
HIST 4480	The American Experience in Vietnam	3 credits
JAPN 4320 / CUST 4320	Understanding Japanese Culture through Literature	3 credits
POLI 4125	The Politics of Multiculturalism in Canada	3 credits
SOCI 4275	Diversity and the Media	3 credits

LANGUAGE REQUIREMENT (MAJOR ONLY)

Students in the Bachelor of Arts, Asian Studies Major program must complete at least 12 credits in a single approved Asian language. It is strongly recommended that these courses be completed in years one and two. The Asian Studies language requirement satisfies the language requirement of the BA Framework. Students who can demonstrate oral and written competency in an approved East or South Asian language may request an assessment to have the BA Asian Studies language requirement waived in part or in full. Students requesting an assessment must contact the Asian Studies Degree Coordinator for further details.

Students may choose from the following Asian language courses:

JAPN 1100	Basic Japanese I	3 credits
JAPN 1101	Basic Japanese II	3 credits
JAPN 2200	Intermediate Japanese I	3 credits
JAPN 2201	Intermediate Japanese II	3 credits
JAPN 3300	Upper Intermediate Level Japanese I	3 credits
JAPN 3301	Upper Intermediate Level Japanese II	3 credits
JAPN 4400	Advanced Japanese I: Conversation	3 credits
JAPN 4410	Advanced Japanese for Business	3 credits
MAND 1100	Beginner's Mandarin I	3 credits
MAND 1101	Beginner's Mandarin II	3 credits
MAND 2200	Intermediate Mandarin I	3 credits
MAND 2201	Intermediate Mandarin II	3 credits
MAND 3300	Mandarin for Dialect Speakers I	3 credits
MAND 3301	Mandarin for Dialect Speakers II	3 credits
MAND 3310	Upper Intermediate Mandarin I	3 credits
MAND 3311	Upper Intermediate Mandarin II	3 credits
MAND 3312	Chinese Language and Culture	3 credits

MAND 4321	Business Chinese I	3 credits
MAND 4323	Business Chinese II	3 credits
MAND 4481	Modern Chinese Literature I	3 credits
MAND 4483	Modern Chinese Literature II	3 credits
PUNJ 1100	Introductory Punjabi I	3 credits
PUNJ 1101	Introductory Punjabi II	3 credits
PUNJ 2200	Intermediate Punjabi I	3 credits
PUNJ 2201	Intermediate Punjabi II	3 credits
PUNJ 3300	Canadian-Punjabi Literature	3 credits

Asian Studies Minor

The following minor requirements are to be completed for the Bachelor of Arts, Asian Studies Minor program.

There is no language requirement for the Asian Studies minor beyond the language requirement of the BA Framework.

LOWER LEVEL

Students are required to complete 12 credits of lower level Asian Studies approved core courses (as listed under the requirements for the Major in Asian Studies) with at least 6 of these credits at the 2000 level. Language courses cannot be applied to this requirement. Note that many 2000 level courses require specific course prerequisites at the 1000 level.

UPPER LEVEL

Students are required to take at least 15 credits of approved Asian Studies courses (as listed under the requirements for the Major in Asian Studies), with a minimum of 9 credits at the 3000 level and 6 credits at the 4000 level. Language courses cannot be applied to this requirement. Note that many 3000 and 4000 level courses require specific course prerequisites at the 1000 and 2000 levels.

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Asian Studies**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Asian Studies**.

Asian Studies: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Asian Studies	kpu.ca/arts/asian-studies
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for transfer into the BA Major/Minor in Asian Studies.

CAREER OPPORTUNITIES

The Associate of Arts Degree in Asian Studies will provide students with an introduction to the peoples and cultures of East and South Asia, as well as the connections between these regions and Canada. Over the course of this two year program students will develop skills and acquire knowledge that will help them in a variety of careers in areas such as the hospitality industry, tourism, business with an international focus, non-profit organizations, and policing.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course and meet the following requirements:

Thirty-six credits in Arts courses, which shall include the following:

Group A

At least nine credits from the following courses:

ANTH 3130	Sikh Culture, Religion and Society	3 credits
ASIA 2250	South Asians Around the Globe	3 credits

ASIA 2252	Indian Society through Popular Film	3 credits
ASIA 2255	Women in Modern India	3 credits
GEOG 2185	Regional Geography of East Asia	3 credits
GEOG 2190	Regional Geography of South Asia	3 credits
GEOG 3210	Geography of Cultures	3 credits
POLI 2140	Comparative Asian Politics	3 credits
POLI 3146	Government and Politics of India	3 credits
POLI 3240	Chinese Government and Politics	3 credits
SOCI 3230	International Migration and Ethnic Communities	3 credits

Group B

At least nine credits from the following courses:

ASIA 1111	Religions of India (formerly HUMN 1111)	3 credits
JAPN 1200 / CUST 1200	Introduction to Contemporary Japanese Society and Culture	3 credits
JAPN 3310 / CUST 3310	Japanese Culture and Business	3 credits
JAPN 3320 / CUST 3320	Japanese Culture through Film	3 credits
HIST 1150	Introduction to East Asia	3 credits
HIST 1151	Introduction to Modern East Asia	3 credits
HIST 1160	Introduction to South Asia	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 3350	China in the Twentieth Century: Reforms and Revolutions	3 credits
HIST 3360	British India:1875-1947	3 credits
HIST 3361	Indian Subcontinent since 1947	3 credits
HIST 3370	Twentieth Century Japan	3 credits
HIST 4450	China and the West	3 credits
HIST 4455	Sages and Statecraft in China	3 credits
HIST 4460	Gandhi in History	3 credits
HIST 4470	Samurai	3 credits
HIST 4480	Vietnam War	3 credits
PHIL 2115	Asian Philosophy	3 credits

Group C

At least 6 credits in an Asian language.

This requirement can be satisfied by successful completion of at least 2 of the following courses or in the case of other Asian

languages by arrangements with the Asian Studies Degree Coordinator. Students with native fluency in an approved Asian Language may apply to the Asian Studies Degree Coordinator for a waiver. In the event that a waiver is granted, students must complete an additional 6 credits from the courses linked above in place of the 6 credit language requirement.

JAPN 1100	Basic Japanese I	3 credits
JAPN 1101	Basic Japanese II	3 credits
JAPN 2200	Intermediate Japanese I	3 credits
JAPN 2201	Intermediate Japanese II	3 credits
JAPN 3300	Upper Intermediate Japanese I	3 credits
JAPN 3301	Upper Intermediate Japanese II	3 credits
JAPN 4400	Advanced Japanese I: Conversation	3 credits
MAND 1100	Beginner Mandarin I	3 credits
MAND 1101	Basic Mandarin II	3 credits
MAND 2200	Intermediate Mandarin I	3 credits
MAND 2201	Intermediate Mandarin II	3 credits
MAND 3300	Mandarin for Speakers of Other Chinese Dialects I	3 credits
MAND 3301	Mandarin for Speakers of Other Chinese Dialects II	3 credits
MAND 3310	Upper Intermediate Mandarin: Reading and Writing I	3 credits
MAND 3311	Upper Intermediate Mandarin: Reading and Writing II	3 credits
PUNJ 1100	Basic Punjabi I	3 credits
PUNJ 1101	Basic Punjabi II	3 credits
PUNJ 2200	Intermediate Punjabi I	3 credits
PUNJ 2201	Intermediate Punjabi II	3 credits
PUNJ 3300	Canadian Punjabi Literature	3 credits

Courses with a primary focus on Asian Studies content and/or issues but which are not included in this list may be considered as credits for the Associate of Arts in Asian Studies upon request for course substitution by students declared in the program. Students must consult with a Arts Degree Advisor or the Asian Studies Degree Coordinator to confirm eligibility.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Asian Studies**.

Canadian Studies: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Discovering the unique nature of Canada through an examination of material related to our multicultural identities, peacekeeping roles, unique legal system, federalism, environmental programs, indigenous cultures, the arts, international trade policies, and public media would provide students with a solid foundation for advanced studies in law, economics, sociology, history, political science, the humanities, education, communications and journalism. Students emerging from this program with a comprehensive knowledge of Canada would also be well-suited for careers in the federal and provincial governments, public affairs, non-government agencies, and the media.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

The Canadian Studies program offers students a remarkable degree of flexibility in their course selections. Students are able to pursue a variety of academic interests while receiving special recognition for their detailed knowledge of this country.

Within the framework of the Associate of Arts degree, students must complete at least 60 credits with a minimum of C in required and elective courses.

In order to complete an Associate of Arts degree in Canadian Studies, students must complete a minimum of 30 credits from the following list of courses:

ANTH 1100	Social & Cultural Anthropology	3 credits
ANTH 2140	First Nations Cultures of BC	3 credits

ANTH 2142	First Nations Cultures of Canada	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits
CRIM 1207	Introduction to Criminal Law	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
CRIM 2341	Canadian Criminal Justice Administration	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
ECON 2210	Money and Banking	3 credits
ENGL 2301	Canadian Literature in English	3 credits
GEOG 1130	Human Impacts on Canadian Environments	3 credits
GEOG 1160	Geography of British Columbia	3 credits
GEOG 2140	Regional Geography of Canada	3 credits
HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 2304	Canadian-American Relations	3 credits
HIST 3313	Canadian Social History: Order and Disorder	3 credits
HIST 3390	Canada and World War I	3 credits
HIST 4490	History of British Columbia	3 credits
HIST 4491	Québec in Canada	3 credits
MRKT 1199	Introduction to Marketing	3 credits
POLI 1120	Canadian Government and Politics	3 credits
POLI 2120	Government & Politics of the Prairie Provinces	3 credits
POLI 2121	Law and Politics: The Charter of Rights and Freedoms	3 credits
POLI 2235	British Columbia Government and Politics	3 credits
POLI 3122	Introduction to Canadian Foreign Policy	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits
SOCI 2225	Canadian Society: Conflict and Consensus	3 credits
SOCI 2230	Racialization and Ethnicity in Canada	3 credits
SOCI 2240	Women in Canada	3 credits
SOCI 2250	Families in Canada	3 credits
SOCI 2275	Mass Media and Society	3 credits

SOCI 3300	Sociology of Work and Occupations	3 credits
SOCI 3345	Social Policy in Context	3 credits
SOCI 3385	Introduction to Demography	3 credits

Note: Courses with a primary focus on Canadian content and/or issues but which are not included in this list may be considered as credits for the Associate of Arts Degree in Canadian Studies by the appropriate dean upon request for course substitution by students within the program. Prerequisite courses are required for some of the courses listed above. Please consult the Courses section for details.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Canadian Studies**.

Community Criminal Justice: Bachelor of Arts (also: Honours)

Faculty of Arts	kpu.ca/arts
Criminology	kpu.ca/arts/criminology
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts in Community Criminal Justice program is designed to enable students to critically examine and explore the concepts and practices of justice, equality, and fairness that underpin our social and legal institutions. In so doing, students embark on an active and sustained engagement with institutions of civil society that can be productively harnessed to bring about social justice.

By combining theory and practice, students investigate issues of class, race, gender, and socio-economic conditions and examine how they shape our society. This program integrates opportunities to engage in undergraduate research, service learning, and practicum placements that provide students with highly transferable and marketable knowledge and skills.

The Bachelor of Arts in Community Criminal Justice program provides students with the following benefits:

1. A broad understanding of crime and social justice issues within community, national, and international contexts.
2. Courses unique in Canada that unite practical and professional skills with community building and social justice.
3. An understanding of social and legal responses to crime and justice and the inter-relationship of these responses on societal attitudes.
4. A solid understanding of, and familiarity with, the research techniques that allow us to accurately document crime, victimization, attitudes, and social and legal change.
5. Ability to think critically and respond innovatively to emerging trends in community-based justice and related agencies.
6. Opportunities to work in direct partnership with local agencies and faculty on projects or engage in research, working closely with academic supervisors.
7. An understanding of, and ability to use, various means to promote social justice, including conflict resolution, restorative justice, community advocacy in a human rights framework,

and an ability to deal with the many regulatory regimes that affect people in the justice system.

This unique program ensures that graduates have covered a range of theoretical, scientific, legal, and practical courses. Specific upper-division courses build knowledge and skills in:

- understanding historical and contemporary perspectives of social justice and injustice
- developing individual skills and leadership abilities to work effectively with community-based agencies and organizations that promote social justice goals
- understanding crime in communities and its prevention
- empirical data collection, analysis, and presentation
- conflict resolution and mediation
- professional communication skills
- project planning, management, and evaluation
- advocacy, human rights, and decision-making in regulatory agencies
- professional ethics

Students who are interested in applying to graduate school or prefer more extensive research experience are encouraged to undertake a structure program leading to an Honours degree. Students may obtain a Bachelor of Arts in Community Criminal Justice (Honours) degree by completing a further 12 credits of coursework centered around developing, researching, and writing an Honours Thesis.

Note: See the Bachelor of Arts Honours, Major, and Minor in Criminology for information on an alternate program.

CAREER OPPORTUNITIES

The limited success of traditional responses to crime, violence, poverty, homelessness, mental illness, and other social issues has increased calls for different approaches and strategies. New awareness of the burdens and social costs associated with these issues requires communities to rethink and refocus their efforts. KPU's Bachelor of Arts in Community Criminal Justice features a unique focus on community-based solutions to crime and social justice issues. Our innovative program prepares students for career opportunities in community-based work, social service delivery, legal advocacy, public safety, human rights, and the non-profit sector. The conceptual, critical, and applied skills that students acquire in this program will be attractive to employers in a wide range of settings, including community-based agencies and traditional organizations concerned with the justice field.

PROGRAM ADMISSION REQUIREMENTS

Students may apply for admission into the Bachelor of Arts in Community Criminal Justice program in first or third year.

Year One Admission

Students who enter in their first year must have:

- a grade of 'B' in English 12 (or equivalent) and
- a grade of 'C' in either Principles of Math 11 (or equivalent) or Applications of Math 12.

Year Three Admission

Students may also enter in year three on completion of an Associate of Arts in Criminology (or equivalent) with a CGPA of 2.00 or higher. They should apply on the condition that they will have completed their Associate of Arts in Criminology by

the semester prior to entering the program. (See Associate of Arts Degree in Criminology). Students with a Diploma in Criminology will need to complete the remaining requirements for the Associate of Arts in Criminology if seeking admission to the Bachelor of Arts in Community Criminal Justice.

Honours Admission:

In order to be considered for admission to the Honours program, students normally:

- have completed 90 credits or more at the time of application;
- must achieve a CGPA of 3.5; and
- have completed CRIM 3104 and CRIM 4410.

Students with a CGPA less than 3.5 (but not below 3.0) may be granted admission with special permission. Interested students can obtain an application from the Criminology Degree Coordinator.

PROGRAM REQUIREMENTS

Community Criminal Justice Honours

The following are the requirements for the Community Criminal Justice Honours program.

In addition to the 120 credits required by the Community Criminal Justice degree program, Honours students will need to complete the following additional 12 credits of course-work:

CRIM 5000	Honours Thesis I	3 credits
CRIM 5010	Honours Seminar	3 credits
CRIM 5020	Honours Thesis II	6 credits

To qualify for the Community Criminal Justice Honours degree, students must have been admitted to the Honours program prior to earning the Community Criminal Justice degree. Students may receive either the Community Criminal Justice degree or the Community Criminal Justice Honours degree, but not both.

Community Criminal Justice Degree

The Bachelor of Arts in Community Criminal Justice requires that students complete 120 credits of post-secondary studies (132 credit hours for the Honours degree option). The program was recently revised and now integrates required practical elements into a new curriculum focusing on social justice. The first two years consist of 60 credit hours earned through completing the requirements of the Associate of Arts in Criminology (or equivalent). For the remaining 60 credits, students must successfully complete courses in the following categories.

Students must complete all of the following courses:

CMNS 3100	Technical Report Writing	3 credits
CRIM 3000	Justice/Injustice	3 credits
CRIM 3104	Qualitative Research Methods	3 credits
CRIM 3800	Service Learning in Criminology and Justice	6 credits
CRIM 4301	Community Advocacy and Human Rights	3 credits
CRIM 4400	Ethics and Professional Development	3 credits

Students must complete at least 6 credits from the following courses in the Justice group:

CRIM 3213	Community Corrections	3 credits
CRIM 3307	Issues in Conflict Resolution	3 credits
CRIM 4240	Aboriginal Peoples and Justice	3 credits

New courses will be listed in the near future, so please check the department web page in the fall.

Students must complete at least 6 credits from two or more of the following groups:

Group A: Methods

CRIM 3103	Quantitative Data Analysis II	3 credits
CRIM 3115	Crime Mapping	3 credits
CRIM 4410	Policy and Program Evaluation	3 credits

Group B: Theory

CRIM 3100	Advanced Theories of Crime and Community	3 credits
CRIM 3111	Contemporary Sociological Criminology	3 credits
CRIM 3113	Critical Criminology	3 credits
CRIM 4112	Contemporary Psychological Criminology	3 credits

Group C: Criminal Justice

CRIM 3118	White-Collar and Corporate Crime	3 credits
CRIM 3217	Women, Crime, and Justice	3 credits
CRIM 3249	Issues in Youth Justice	3 credits
CRIM 4201	Community Safety and Crime Prevention	3 credits
CRIM 4235	Minorities and the Criminal Justice System	3 credits

Group D: Law

CRIM 3302	Procedure and Evidence	3 credits
CRIM 3305	Law and Society	3 credits
CRIM 3351	Philosophy of Law	3 credits
CRIM 3512	Mental Disorder and Canadian Law	3 credits
CRIM 4300	Administrative and Regulatory Law	3 credits

Students must complete at least 6 credits from the following courses in the Applied category:

CRIM 4154	Community Criminal Justice Project I	3 credits
CRIM 4155	Community Criminal Justice Project II	6 credits
CRIM 4800	Practicum in Criminology and Justice	12 credits

Students also must complete an additional 9 credits of criminology electives and 12 credits selected from outside criminology in arts, science, or other areas (breadth requirements).

Students must complete at least 45 credits at the 3000 or 4000 level. Depending on course selection at the CRIM 4000 level, students might require additional upper-level courses as either CRIM electives or any other electives.

CO-OPERATIVE EDUCATION

The BA in Community Criminology Justice is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students in the Co-op option are expected to complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Successful completion of 30 program credits based on first year entry or admission to third year
- Minimum GPA of 2.7

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 programs credits (based on first year entry)
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 45 program credits based on first year entry or admission to third year
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits
COOP 3150*	Co-op Work Semester 3	9 credits

Optional:

COOP 4150*	Co-op Work Semester 4	9 credits
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* Part-time (parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of the Honours program, students are eligible to receive a **Bachelor of Arts in Community Criminal Justice (Honours)**.

Upon successful completion of the degree program, students are eligible to receive a **Bachelor of Arts in Community Criminal Justice**.

Counselling: Bachelor of Arts Minor

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The B.A. Minor in Counselling was designed to provide students with a basic theoretical and practical understanding of the field of counselling. The Minor was structured to ensure that students will acquire undergraduate prerequisites necessary for graduate studies in Counselling at other institutions (e.g., SFU, UBC). While this degree will be of particular interest to those who wish to pursue a career in Counselling, the Minor will also be of interest to any student who is considering working in a field in which strong interpersonal skills, abilities, and insights are an asset (e.g., social work, probation, policing, teaching, business, health care).

CAREER OPPORTUNITIES

Students who want to pursue Counselling as a profession will need a Masters degree in Counselling (MA or MEd). The Minor will provide the courses necessary for entry into such programs.

This highly marketable Minor will also benefit those who are aiming to work in Social Services, Education, and Health Care and Wellness fields.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000-and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000-and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Students must complete all of the following requirements for the Counselling Minor:

1000 Level

All of:

EDUC 1100	Introduction to Higher Education	3 credits
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2000 Level

All of:

PSYC 2350	Psychopathology	3 credits
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Notes:

EDUC 2220 Introduction to Educational Psychology is highly recommended.

PSYC 2350 requires completion of PSYC 1100 and PSYC 1200 with a grade of C in each course as prerequisites.

3000 Level

All of:

CNPS 3310	Theories of Counselling	3 credits
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CNPS 3320	Career Counselling & Career Education	3 credits
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4000 Level

All of:

CNPS 4300	Counselling Relationships & Basic Skills	3 credits
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CNPS 4310	The Reflective Practitioner	3 credits
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Electives

Students must also complete one of the following courses:

CNPS 3330	Cultural Considerations in Counselling	3 credits
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CNPS 4330	Group Facilitation	3 credits
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CREDENTIAL AWARDED

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Counselling**.

Creative Writing: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Creative Writing	kpu.ca/arts/creative-writing
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The KPU Creative Writing Department offers students a community of creativity in which writers discover a purposeful craft and explore the gifts of the imagination. We offer award-winning faculty, small class sizes, and a wealth of online courses for learners not able to attend class at a KPU campus.

Teaching in the Creative Writing Department is based on foundational principles of mentorship, humility, discovery, purposefulness, and learner autonomy. Faculty demonstrate an authentic spirit of inquiry intended as a model for learners. In turn, learners engage with a teaching environment that is collaborative, innovative, creative, and respectful. We embrace emerging and experimental teaching methods and research-driven pedagogy in support of a dynamic educational community that is innovative, interdisciplinary, and socially and culturally responsible. In the Creative Writing Department, learner engagement extends beyond the classroom to encompass community and industry partners and peers.

CAREER OPPORTUNITIES

Creative writing is a vital and foundational skill which will allow students to further themselves in a variety of careers ranging from those traditionally associated with writing such as literary creation, publishing, editing, and communications to new media, marketing, publicity, advocacy and education. Creative writing also allows students who develop interests in other fields, or who go on to postgraduate study in other disciplines, to apply their skill sets to any area they choose - whether in the humanities, arts, trades, social sciences or sciences.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).

- Grade of 'C' in all required 1000-and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts Framework in addition to their major or minor program requirements.

Creative Writing Major

This major will require higher grades than a C; please check the pre-requisites for each course.

CORE REQUIREMENTS:

All of:

CRWR 1100	Introduction to Creative Writing I	3 credits
CRWR 1110	Introduction to Creative Writing II	3 credits
ENGL 1100	Introduction to University Writing	3 credits
One of ENGL at the 1200-level or equivalent		3 credits

Two of:

CRWR 1240	Introduction to New Media	3 credits
CRWR 2140	Writing and Creativity on the Web	3 credits
CRWR 2300	Drama, Fiction and Poetry I	3 credits
CRWR 2310	Drama, Fiction and Poetry II	3 credits

PLUS FOUR COURSES IN THREE OF THE FOLLOWING FIVE STREAMS (TOTALING 36 CREDITS):

Fiction

CRWR 3100	Techniques in Short Fiction	3 credits
CRWR 3200	Short Fiction	3 credits
CRWR 4100	Advanced Short Fiction I	3 credits
CRWR 4200	Advanced Short Fiction II	3 credits

Poetry

CRWR 3110	Poetic Forms and Techniques	3 credits
CRWR 3210	Advanced Poetic Forms and Techniques	3 credits
CRWR 4110	Advanced Poetry I	3 credits
CRWR 4210	Advanced Poetry II	3 credits

Screenwriting

CRWR 3120	Screenwriting I	3 credits
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CRWR 3220	Screenwriting II	3 credits
CRWR 4120	Advanced Screenwriting I	3 credits
CRWR 4220	Advanced Screenwriting II	3 credits

Creative Nonfiction

CRWR 3130	Creative Nonfiction I	3 credits
CRWR 3230	Creative Nonfiction II	3 credits
CRWR 4130	Advanced Creative Nonfiction I	3 credits
CRWR 4230	Advanced Creative Nonfiction II	3 credits

New Media

Courses are currently being developed

Creative Writing Minor

Students in the Bachelor of Arts Minor program must complete the following courses:

1000 LEVEL

6 credits of Creative Writing:

CRWR 1100	Introduction to Creative Writing I	3 credits
CRWR 1110	Introduction to Creative Writing II	3 credits

6 credits of English as follows:

ENGL 1100	Introduction to University Writing	3 credits
One of ENGL at the 1200-level or equivalent		3 credits

2000 LEVEL

6 credits of Creative Writing:

CRWR 2300	Drama, Fiction & Poetry I	3 credits
CRWR 2310	Drama, Fiction & Poetry II	3 credits

3000 LEVEL

12 credits in two areas of concentration:

Choose two courses:

CRWR 3100	Techniques of Short Fiction	3 credits
CRWR 3110	Poetry Forms & Techniques I	3 credits
CRWR 3120	Screenplay I	3 credits
CRWR 3130	Creative Non-Fiction	3 credits

Choose the two courses that follow those from above:

CRWR 3200	Short Fiction	3 credits
CRWR 3210	Poetry Forms & Techniques II	3 credits
CRWR 3220	Screenplay II	3 credits
CRWR 3230	Creative Non-Fiction II	3 credits

4000 LEVEL

6 credits in the two areas of concentration chosen above:

CRWR 4100	Advanced Fiction Workshop	3 credits
CRWR 4110	Advanced Poetry Workshop I	3 credits

CRWR 4120	Advanced Screenwriting I	3 credits
CRWR 4130	Advanced Creative Non-Fiction	3 credits

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Creative Writing**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Creative Writing**.

Creative Writing: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Creative Writing	kpu.ca/arts/creative-writing
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Creative Writing is an excellent foundation for a variety of studies in the Arts. Students who wish to major in Creative Writing are strongly encouraged to complete an Associate of Arts degree with a concentration in Creative Writing.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts degree, students must complete at least 60 credits with a minimum of C in each course, including the following:

1. Both of:

CRWR 1100	Introduction to Creative Writing I	3 credits
CRWR 1110	Introduction to Creative Writing II	3 credits

2. Both of:

CRWR 2300	Drama, Fiction and Poetry I	3 credits
CRWR 2310	Drama, Fiction and Poetry II	3 credits

3. At least one English literature course at the 2000 level.

OTHER INFORMATION

Students can use their Associate of Arts degree in Creative Writing to apply to KPU's Bachelor of Arts program as long as other third year entry requirements are met.

Students who receive an Associate of Arts degree in Creative Writing from KPU will have appropriate course coverage to enter the Creative Writing major program at UBC; however, this does not guarantee a position in the major program because admission in the Department of Creative Writing at UBC is also based on students' portfolios.

The Creative Writing major program at UVic requires an additional two courses in Creative Writing at the 2000 level or higher. Currently, students can fulfill these requirements by completing two of the following four courses at KPU: CRWR 3100, 3110, 3120, or 3130. However, completion of these additional courses does not guarantee a position in the major program because admission in the Department of Creative Writing at the University of Victoria is also based on students' portfolios.

The Creative Writing major program at Vancouver Island University (VIU) requires an additional three courses in Creative Writing at the 1000 or 2000 level or higher.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Creative Writing**.

Criminology: Bachelor of Arts Honours, Major, and Minor

Faculty of Arts	kpu.ca/arts
Criminology	kpu.ca/arts/criminology
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major in Criminology program provides students with a broad, liberal education in social science, criminal justice, and law. Students learn scientific research methods, legal and philosophical approaches to aid in understanding crime and related social problems, and social responses to crime. The BA degree program builds on the central core of method and theory and affords students opportunities to hone abstract, logical thinking, and critical understanding of the issues, arguments, and debates that shape the discipline's character and aims. Contemporary criminology courses developed especially for this degree expose students to cutting-edge theory and research. This program integrates opportunities to engage in undergraduate research, service learning, and practicum placements that provide students with highly transferable and marketable knowledge and skills.

Students who are interested in applying to graduate school, or who prefer a more extensive research experience, are encouraged to undertake a structured program leading to a Bachelor of Arts (Honours), Major in Criminology.

Note: See the Bachelor of Arts in Community Criminal Justice for information on an alternate program.

CAREER OPPORTUNITIES

The Bachelor of Arts, Major in Criminology provides a wide range of opportunities to students. Graduates of criminology programs find employment in every aspect of the criminal justice system, including law, law enforcement, corrections, crime prevention, and public and private justice administration. Many graduates pursue careers within the public and private sectors in occupations where familiarity with justice and the law is valued by employers; examples include customs and border security, regulatory and other public agencies, private companies, and not-for-profit organizations. Labour market predictions for criminal justice and related areas are very favourable, as demographic trends and

public safety and security concerns have increased demand for criminal justice professionals. The conceptual, critical, and applied skills that students acquire in this program will be attractive to employers in a wide range of settings.

Criminology programs also offer excellent educational preparation for those who intend to major in law, social work, psychology, sociology, or philosophy. Students who wish to do graduate work in criminology are encouraged to take both CRIM 3104 and CRIM 4410 (both are required for entry into the Honours degree option for the Bachelor of Arts, Major in Criminology).

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Honours Admission:

In order to be considered for admission into the Honours program, students normally:

- have completed 90 credits or more at the time of application;

- must achieve a CGPA of 3.5; and
- have completed CRIM 3104 and CRIM 4410.

Students with a CGPA less than 3.5 (but not below 3.0) may be granted admission with special permission. Interested students can obtain an application from the Criminology Degree Coordinator.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

During the first two years, the Bachelor of Arts, Major and Minor in Criminology will provide students with a broad foundation in the liberal arts tradition. Specifically, courses will expose students to the theoretical and methodological bases of psychology, sociology, history, political science, and the natural sciences. The third and fourth years of the program include courses falling into four main groupings:

- Theory and Methods
- Criminal Justice
- Law, Advocacy, and Conflict Resolution
- Additional Courses

Knowledge and skill mastery will develop as students approach issues and utilize skills across the various streams. The relationships between definitions of crime, criminological theories and research, and the criminal justice system are critically examined throughout the curriculum. Their complex relationships to political, social, and economic conditions are stressed. Problem solving and skill development will be an integral part of all courses.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Criminology Honours

The following are the requirements for the Criminology Honours program.

In addition to the 120 credits required by the Bachelor of Arts, Major in Criminology degree (below), Honours students will need to complete the following additional 12 credits of course-work:

CRIM 5000	Honours Thesis I	3 credits
CRIM 5010	Honours Seminar	3 credits
CRIM 5020	Honours Thesis II	6 credits

To qualify for the Criminology Honours degree, students must have been admitted to the Honours program prior to earning the Criminology degree. Students may receive either the Criminology degree or the Criminology Honours degree, but not both.

Criminology Major

The following are requirements for the Criminology Major:

1000 LEVEL

Required courses:

CRIM 1100	Introduction to Criminology	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits
CRIM 1207	Introduction to Criminal Law	3 credits
CRIM 1208	Methods of Research in Criminology	3 credits
CRIM 1215	Interpersonal and Professional Development in Criminology	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

Plus one of:

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits

2000 LEVEL

Required courses:

CRIM 2103	Quantitative Data Analysis I*	3 credits
CRIM 2330	Psychological Explanations of Criminal Behaviour	3 credits
CRIM 2331	Sociological Explanations of Criminal Behaviour	3 credits

CRIM 2341	Canadian Criminal Justice Administration	3 credits
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Plus one of:

CRIM 2204	Criminal Justice and Psychology	3 credits
CRIM 2205	Crime, Criminal Justice, and the Media	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
CRIM 2249	Youth Justice	3 credits

* Students who commenced their studies at KPU prior to September 2005 may complete either PSYC 2300 or SOCI 2365 in place of CRIM 2103.

3000 AND 4000 LEVEL

Students will complete a minimum of ten upper-division criminology courses. All upper-level criminology courses require 6 credits of English as pre-requisites as of Fall 2013.

Required course:

CRIM 3302	Procedure and Evidence	3 credits
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Plus one of:

CRIM 3103	Quantitative Data Analysis II	3 credits
CRIM 3104	Qualitative Research Methods	3 credits

Students must complete at least TWO courses drawn from Group 1 below.

Group 1. Theory and Methods:

CRIM 3100	Advanced Theories of Crime and Community	3 credits
CRIM 3111	Contemporary Sociological Criminology	3 credits
CRIM 3113	Critical Criminology	3 credits
CRIM 4112	Contemporary Psychological Criminology	3 credits

Students must complete at least ONE course from each of groups 2 and 3.

Group 2. Criminal Justice:

CRIM 3118	White-Collar and Corporate Crime	3 credits
CRIM 3213	Community Corrections	3 credits
CRIM 3249	Issues in Youth Justice	3 credits
CRIM 4201	Community Safety and Crime Prevention	3 credits
CRIM 4235	Minorities and the Criminal Justice System	3 credits
CRIM 4410	Policy and Program Evaluation	3 credits

Group 3. Law, Advocacy, and Conflict Resolution:

CRIM 3305	Law and Society	3 credits
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CRIM 3307	Issues in Conflict Resolution	3 credits
CRIM 3351	Philosophy of Law	3 credits
CRIM 4300	Administrative and Regulatory Law	3 credits
CRIM 4301	Community Advocacy and Human Rights	3 credits

CRIM 2341	Canadian Criminal Justice Administration	3 credits
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Note: Students in the Minor program are not required to complete a 2000-level statistics course as required in the Major. Those specifically interested in upper-division research courses may wish to incorporate a 2000-level statistics course within the Faculty of Arts into their lower-division courses.

Students may complete a maximum of TWO courses from group 4 to meet criminology requirements.

Note: If more than two are taken, you can count them towards upper-level electives.

Group 4. Additional Courses:

CRIM 3115	Crime Mapping	3 credits
CRIM 3512	Mental Disorder and Canadian Law	3 credits
CRIM 4150	Directed Studies	3 credits
CRIM 4400	Ethics and Professional Development	3 credits
CRIM 4900	Special Topics*	3 credits

* Note: The area of study for CRIM 4900 will be established in advance by the department. Please note that students will be allowed to take this course twice on different topics.

Criminology Minor

The following are requirements for the Criminology Minor:

1000 LEVEL

The 1000 courses in criminology provide the foundation for further undergraduate study in criminology. Required 1000-level courses in psychology and sociology introduce students to key concepts and issues that reflect the multidisciplinary subject matter of criminology.

Students are required to take all of the following courses:

CRIM 1100	Introduction to Criminology	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

2000 LEVEL

2000-level courses build on the multidisciplinary foundations developed in the 1000 level. Students begin to synthesize material from sociology, psychology, law, and criminal justice to understand aspects of criminality and criminalization.

Students are required to take all of the following courses:

CRIM 2330	Psychological Explanations of Criminal Behaviour	3 credits
CRIM 2331	Sociological Explanations of Criminal Behaviour	3 credits

Students may elect to take any of the courses listed below as part of their BA degree:

CRIM 1207	Introduction to Criminal Law	3 credits
CRIM 2204	Criminal Justice and Psychology	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2213	Women, Girls and Crime (discontinued)	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
CRIM 2249	Youth Justice	3 credits

3000 AND 4000 LEVEL

Criminology courses at the 3000 and 4000 level build on the foundational skills and knowledge of law, social science theory and research, and criminal justice developed in the 1000 and 2000 levels. Students will apply these skills and concepts to emerging issues in criminological theory, research, and criminal justice policy. These upper-level courses will generally be accessible to students who have completed CRIM 2330, 2331, and 2341. All upper-level criminology courses require 6 credits of English as pre-requisites as of Fall 2013.

Students are required to complete fifteen credits at the 3000 or 4000 level. This must include at least one course from each of the three core areas.

1. Theory and Methods

CRIM 3100	Advanced Theories of Crime and Community	3 credits
CRIM 3103	Quantitative Data Analysis II	3 credits
CRIM 3104	Qualitative Research Methods	3 credits
CRIM 3111	Contemporary Sociological Criminology	3 credits
CRIM 3113	Critical Criminology	3 credits
CRIM 4112	Contemporary Psychological Criminology	3 credits

2. Criminal Justice

CRIM 3118	White-Collar and Corporate Crime	3 credits
CRIM 3213	Community Corrections	3 credits
CRIM 3249	Issues in Youth Justice	3 credits
CRIM 4201	Community Safety and Crime Prevention	3 credits
CRIM 4235	Minorities and the Criminal Justice System	3 credits

CRIM 4410	Policy and Program Evaluation	3 credits
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3. Law, Advocacy, and Conflict Resolution

CRIM 3302	Procedure and Evidence	3 credits
CRIM 3305	Law and Society	3 credits
CRIM 3307	Issues in Conflict Resolution	3 credits
CRIM 3351	Philosophy of Law	3 credits
CRIM 4300	Administrative and Regulatory Law	3 credits
CRIM 4301	Community Advocacy and Human Rights	3 credits

4. Additional Courses *

CRIM 3115	Crime Mapping	3 credits
CRIM 3512	Mental Disorder and Canadian Law	3 credits
CRIM 4150	Directed Studies	3 credits
CRIM 4400	Ethics and Professional Development	3 credits
CRIM 4900	Special Topics: The area of study for CRIM 4900 will be established in advance by the department. Please email crimprograms@kpu.ca for proposed offerings.	3 credits

* **Note:** Students may not take more than one of CRIM 3115, 3512, 4150, 4400, and 4900 towards the minor requirement. Students who complete more than one of these may use the additional course(s) as part of their electives.

CO-OPERATIVE EDUCATION

The Bachelor of Arts, Major in Criminology is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students in the Co-op option are expected to complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Successful completion of 30 program credits based on first year entry or admission to third year;
- Minimum GPA of 2.7

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 programs credits (based on first year entry);
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 45 program credits based on first year entry or admission to third year
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits
COOP 3150*	Co-op Work Semester 3	9 credits

Optional:

COOP 4150*	Co-op Work Semester 4	9 credits
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* Part-time (parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Arts (Honours)**. Transcripts will indicate a **Major in Criminology**.

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Criminology**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Criminology**.

Criminology: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Criminology	kpu.ca/arts/criminology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

While obtaining the benefits of study across several disciplines, students in this program concentrate on theories of crime, law, and the administration of justice in Canada. Students are immersed in a multidisciplinary approach to understanding crime in context, how different communities respond to crime in Canada, crime statistics, and different methods that can be used in researching crime and social control.

CAREER OPPORTUNITIES

The Associate of Arts degree in Criminology prepares students for careers with traditional criminal justice agencies, law enforcement, and related community agencies. Graduates find work in a wide variety of careers in the government, private sector, and not-for-profit organizations. On completion, students may continue their studies towards a Bachelor of Arts in Community Criminal Justice or Bachelor of Arts, Major in Criminology.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts degree, students are required to complete at least 60 credits, with a minimum of C in each course, and include the following courses.

All of:

CRIM 1100	Introduction to Criminology	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits

CRIM 1208	Methods of Research in Criminology	3 credits
CRIM 1215	Interpersonal and Professional Development in Criminology	3 credits
CRIM 2103	Quantitative Data Analysis I	3 credits
CRIM 2330	Psychological Explanations of Criminal Behaviour	3 credits
CRIM 2331	Sociological Explanations of Criminal Behaviour	3 credits
CRIM 2341	Canadian Criminal Justice Administration	3 credits

All of:

SOCI 1125	Introduction to Society: Processes and Structures	3 credits
ANTH 1217	Forensic Anthropology (or another lab science)	3 credits

Any one of:

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits

Any one of:

A course in the Humanities (as defined by the Associate of Arts degree framework)	3 credits
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And one of:

PSYC 1100*	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits

Any one of:

CPSC 1100	Introduction to Computer Literacy	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits

Any two of †:

CRIM 1207	Introduction to Criminal Law	3 credits
CRIM 2204	Criminal Justice and Psychology	3 credits
CRIM 2205	Crime, Criminal Justice, and the Media	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
CRIM 2249	Youth Justice	3 credits

And:

Three credits in second year arts, science, or 3 credits other areas‡

Notes:

* Students planning to complete the Bachelor of Arts, Major in Criminology should complete PSYC 1100 because it is required for the degree program.

† At least three credits must be from either CRIM 1207, CRIM 2211, or CRIM 2214.

‡ If you selected ANTH 1217 as your lab science, this elective can be chosen from the first or second year level. If you selected any lab science other than ANTH 1217, the elective must be in an Arts discipline other than Criminology at the second year level, and must be university transferable.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Criminology**.

Criminology: Diploma

Faculty of Arts	kpu.ca/arts
Criminology	kpu.ca/arts/criminology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Diploma in Criminology contains a core of method and theory courses that provides a foundation for more advanced study of crime and social responses to crime. Electives reflect the multidisciplinary nature of criminology. The required courses and electives afford students of criminology an opportunity to develop abstract logical thinking and critical understanding of the issues, arguments, and debates that shape the discipline's character and aims.

CAREER OPPORTUNITIES

Graduates of the Diploma in Criminology program are employed in nearly every aspect of the justice system. Graduates may also continue their education in criminology, social work, and social and behavioural sciences.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students are required to complete 60 credits at the 1000 and 2000 level, according to the following program requirements:

GROUP A (all courses required)

CRIM 1100	Introduction to Criminology	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits
CRIM 1207	Introduction to Criminal Law	3 credits
CRIM 1208	Methods of Research in Criminology	3 credits
CRIM 2103	Quantitative Data Analysis I	3 credits

CRIM 2330	Psychological Explanations of Criminal Behaviour	3 credits
CRIM 2331	Sociological Explanations of Criminal Behaviour	3 credits
CRIM 2341	Canadian Criminal Justice Administration	3 credits

Any English literature course
 Any university studies course in French
 Any 1200-level or higher Sociology course
 Any 3-credit university studies course in the sciences

GROUP F (any four of the following are required)

ANTH 1200	Biological Anthropology	3 credits
ANTH 2142	First Nations Cultures of Canada	3 credits
CRIM 2204	Criminal Justice and Psychology	3 credits
CRIM 2205	Crime, Criminal Justice, and the Media	3 credits
CRIM 2249	Youth Justice	3 credits
CRIM 2355	Police Deviance and Accountability	3 credits
HIST 2119	Europe 1789 to 1914	3 credits
POLI 1110	Ideology and Politics	3 credits
PSYC 2330	Social Psychology	3 credits
PSYC 2350	Psychopathology	3 credits
PSYC 2370	Psychology of Personality	3 credits
PSYC 2400	Experimental Psychology: Research Methodology	3 credits

Any 2300-level Sociology course

OTHER INFORMATION

Students planning to apply to the Bachelor of Arts in Community Criminal Justice or the Bachelor of Arts, Criminology Major or Minor at KPU should meet with an Educational Advisor to discuss elective courses that meet admission requirements. Students planning to transfer to another institution are responsible for ensuring that their courses are transferable and meet the institution's program requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Criminology**.

GROUP B (all courses required)

PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

GROUP C (one of the following is required)

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits

GROUP D (one of the following is required)

ANTH 1100	Social & Cultural Anthropology	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
ECON 1101	Foundations of Economics	3 credits
ENGL 1100	Introduction to University Writing	3 credits
HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1121	Europe since 1939	3 credits
POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits

GROUP E (two of the following are required)

ANTH 1217	Forensic Anthropology	3 credits
ANTH 2140	First Nations Cultures of BC	3 credits
CPSC 1100	Introduction to Computer Literacy	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits
PSYC 2315	Brain and Behaviour	3 credits
PSYC 2320	Developmental Psychology: Childhood	3 credits
PSYC 2321	Developmental Psychology: Adolescence	3 credits

Criminology: Certificate

Faculty of Arts	kpu.ca/arts
Criminology	kpu.ca/arts/criminology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

CRIM 1208	Methods of Research in Criminology	3 credits
CRIM 2204	Criminal Justice and Psychology	3 credits
CRIM 2205	Crime, Criminal Justice, and the Media	3 credits
CRIM 2211	Introduction to Policing	3 credits
CRIM 2214	Corrections: Theory and Practice	3 credits
CRIM 2249	Youth Justice	3 credits

GROUP C

Select any two undergraduate courses (normally numbered 1100 or higher) in disciplines other than criminology.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Criminology**.

DESCRIPTION

The Certificate in Criminology is a 30-credit program offering students an introduction to criminology and other disciplines as well as post-secondary training for careers in criminal justice agencies. On completion of the Certificate, students have the option of entering the Diploma in Criminology, Associate of Arts in Criminology, Bachelor of Arts in Community Criminal Justice, or Bachelor of Arts, Major or Minor in Criminology. Students who want to ensure that they do not have to make up additional course-work should choose their optional criminology courses carefully in consultation with an Educational Advisor and the calendar requirements for the applicable Criminology program.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students are required to complete 30 credits of coursework according to the following:

GROUP A (all of)

CRIM 1100	Introduction to Criminology	3 credits
CRIM 1101	Introduction to the Criminal Justice System	3 credits
CRIM 1107	Canadian Legal Systems	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

GROUP B (three of the following)

CRIM 1207	Introduction to Criminal Law	3 credits
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English: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
English	kpu.ca/arts/english
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major or Minor in English programs focus on the diverse literatures of the English-speaking world, including the full range of British, Canadian, and American literary traditions, diasporic literature and literature in translation, oral and written Aboriginal narratives, and classic and contemporary film. These degrees will allow students to develop the knowledge, core competencies, and skills characteristic of a traditional Bachelor of Arts program, while preparing them to respond critically and creatively to a wide range of issues and challenges in our community and in society in general. In addition to critical reading, writing and thinking skills, students who complete a Bachelor of Arts in English will be prepared for entry into the labour market through the incorporation of essential employability skills into all of our courses. They will also benefit from the expertise and the commitment to teaching excellence of our faculty, as well as from the small class sizes that characterize undergraduate study at Kwantlen Polytechnic University. Arts degrees have high levels of student satisfaction, and the literacy and analytical skills developed in such programs will prepare students to become constructive members of society and to fit well into the workplace.

CAREER OPPORTUNITIES

Graduates with a Bachelor of Arts in English from Kwantlen Polytechnic University will have acquired a combination of discipline-based knowledge, core competencies and transferable skills that are not confined to a single career path but rather will allow them to pursue a wide range of personal and professional goals, ranging from education, journalism and advertising to social work, creative writing and communications. In addition, they will be well prepared for post-graduate studies in English, Law, Library Science, Human Resources, and Public Relations, to name only a few of the fields that graduates of English programs have traditionally entered. In fact, employers often rank graduates of English Studies programs as among their most versatile and adaptable employees.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students in the Bachelor of Arts, Major or Minor in English program will begin their first year of study with English 1100, an introductory writing course that is required of all degree students at KPU, followed by one of two introductory literature courses. In their second year, students will choose at least three courses from a variety of 2000-level options designed to provide them with the literary historical knowledge necessary for upper-level study of literature in English. In their third year, students undertake in-depth study in a range of specific literary-historical periods and may concentrate on the development of a specific literary genre, i.e. poetry, fiction, drama or film. Finally, in the fourth year, students examine more sharply focused topics or themes, which are considered from multiple perspectives. (The specific requirements at each level of study, and the different requirements for the Major and Minor programs, are outlined below.)

Students pursuing a Bachelor of Arts in English must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

English Major

1000 LEVEL

The 1000 level of study in English provides a foundation for all Bachelor of Arts degree students by providing six to nine credits of critical reading and writing-intensive course work. Courses at the 1100 level focus primarily on the essay form; those at the 1200 level focus primarily on introductions to fiction, poetry and drama. Some instructors also teach film in these courses.

All Bachelor of Arts program students must complete:

ENGL 1100	Introduction to University Writing	3 credits
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And one of:

ENGL 1202	Reading and Writing about Selected Topics	3 credits
ENGL 1204	Reading and Writing about Genre	3 credits

2000 LEVEL

English courses at the 2000 level are accessible to all students who have completed six English course credits from above (or their equivalent).

Prospective Bachelor of Arts, Major in English program students must complete:

ENGL 2316	English Literature: 14th to 18th Centuries	3 credits
ENGL 2317	English Literature: 18th to 20th Centuries	3 credits

And one of:

ENGL 2301	Canadian Literature in English	3 credits
ENGL 2309	Literature of the United States of America	3 credits

Students may also take further second-year courses as electives:

ENGL 2300	Advanced Writing and Research	3 credits
ENGL 2315	The Comic Voice	3 credits
ENGL 2319	The Novel in English: Its Development	3 credits
ENGL 2320	Studies in Poetry	3 credits
ENGL 2330	Studies in Drama	3 credits
ENGL 2340	Studies in Fiction	3 credits
ENGL 2350	Critical Studies in Film	3 credits

3000 AND 4000 LEVEL

English courses at the 3000 level are accessible to students who have completed at least six credits in English at the 2000 level.

English courses at the 4000 level are accessible to students who have completed at least three credits in English at the 3000 level. In order to graduate with a Bachelor of Arts, Major in English, however, students must be admitted to the Bachelor of Arts and meet all of the Bachelor of Arts degree requirements, including all program requirements for an English Major.

In order to satisfy the requirements of the Bachelor of Arts, Major in English program, students must also complete at least thirty credits of study in 3000- and 4000-level English courses. These thirty credits must include a minimum of three credits at the 4000 level and meet the following distribution requirements:

a) Must complete:

ENGL 3300	Critical Theory	3 credits
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b) At least three credits from each group prior to 1900:

Group A:

ENGL 3315	Studies in Chaucer	3 credits
ENGL 3320	Studies in Shakespeare	3 credits
ENGL 3321	English Renaissance Drama, Excluding Shakespeare	3 credits

ENGL 3323	Seventeenth-Century British Literature	3 credits
ENGL 3325	Eighteenth-Century British Literature	3 credits
Group B:		
ENGL 3301	Nineteenth-Century Canadian Literature in English	3 credits
ENGL 3306	Literature of the United States: Beginnings to 1865	3 credits
ENGL 3328	Romantic Poetry and Poetics	3 credits
ENGL 3332	Victorian Poetry and Non-Fiction	3 credits
ENGL 3336	The Victorian Novel	3 credits

c) At least three credits in each of the five areas after 1900:

Area 1:

ENGL 3351	Studies in Modernism	3 credits
ENGL 3352	The British Novel, 1900-1945	3 credits
ENGL 3355	Modern and Contemporary Drama	3 credits
ENGL 3356	Modern and Contemporary Poetry	3 credits
ENGL 3358	British Fiction since 1945	3 credits

Area 2:

ENGL 3301	Nineteenth-Century Canadian Literature in English	3 credits
ENGL 3302	Canadian Prose in English from 1900	3 credits
ENGL 3303	Canadian Poetry in English from 1880 to the Present	3 credits
ENGL 3304	Canadian Drama in English	3 credits
ENGL 4401	Topics in Canadian Literature	3 credits

Area 3:

ENGL 3307	Literature of the United States: 1865-1910	3 credits
ENGL 3308	Literature of the United States: 1910-1945	3 credits
ENGL 3309	Literature of the United States: 1945 to the Present	3 credits
ENGL 4409	Topics in Literature of the United States	3 credits

Area 4:

ENGL 3310	Literature in Translation	3 credits
ENGL 3340	Cross-Cultural World Literature	3 credits
ENGL 3345	Diasporic Literatures	3 credits
ENGL 3360	Writing Women/Women Writing	3 credits

ENGL 3390	Indigenous Narratives, Oral and Written	3 credits
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Area 5:

ENGL 3313	Reading Canonical Writers	3 credits
ENGL 3316	History of the English Language	3 credits
ENGL 3317	Readings in the History of Ideas	3 credits
ENGL 3330	Children's Literature	3 credits
ENGL 3350	Literature and Film	3 credits
ENGL 3370	Life Writing	3 credits
ENGL 3380	Popular Writing	3 credits
ENGL 4300	Writing and Persuasion Beyond the Classroom	3 credits
ENGL 4350	Topics in Film Studies	3 credits
ENGL 4400	English Studies in the Classroom	3 credits
ENGL 4700	Special Topics in Literature	3 credits

Note:

- The grade for each English course taken towards a Major in English must be a 'C' or better.
- In years 3 and 4, students may take up to 42 credits of 3000- and 4000-level English courses.
- Courses will be offered on a rotating basis (i.e. not all courses will be available in a given year). KPU will ensure, however, that each of the time periods (prior to 1900 and after 1900) is represented every year.

English Minor

1000 LEVEL

The 1000 level of study in English provides a foundation for all Bachelor of Arts degree students by providing six to nine credits of critical reading and writing-intensive course work. Courses at the 1100 level focus primarily on the essay form; those at the 1200 level focus primarily on introductions to fiction, poetry and drama.

All Bachelor of Arts program students must complete:

ENGL 1100	Introduction to University Writing	3 credits
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And one of:

ENGL 1202	Reading and Writing about Selected Topics	3 credits
ENGL 1204	Reading and Writing about Genre	3 credits

2000 LEVEL

English courses at the 2000 level are accessible to all students who have completed six English course credits from above (or their equivalent).

Bachelor of Arts, Minor in English program students must complete:

ENGL 2316	English Literature: 14th to 18th Centuries	3 credits
ENGL 2317	English Literature: 18th to 20th Centuries	3 credits

And one of:

ENGL 2301	Canadian Literature in English	3 credits
ENGL 2309	Literature of the United States of America	3 credits

Any other 2300-level English courses may be used as electives.

3000 AND 4000 LEVEL

English courses at the 3000 level are accessible to students who have completed at least six credits in English at the 2000 level. English courses at the 4000 level are accessible to students who have completed at least three credits in English at the 3000 level.

Students who have completed the nine credits of required English courses at the 2000 level, as well as the other third-year entry requirements for the Bachelor of Arts, can apply for entry into the Bachelor of Arts, Minor in English program.

Bachelor of Arts, Minor in English program students must complete:

ENGL 3300	Critical Theory	3 credits
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And twelve credits chosen from among the other 3000-level and 4000-level English courses, at least 3 credits of which is from the 4000 level.

Note: The grade for each English course taken towards a Minor in English must be a 'C' or better.

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in English**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in English**.

English: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
English	kpu.ca/arts/english
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Concentration in English at the Associate level is an excellent foundation for a variety of careers and further studies. Those who wish to pursue a B.A. Major or Minor in English are encouraged to take a variety of English courses within an Associate of Arts degree.

Transfer to a Bachelor of Arts Program

Students who complete the Associate of Arts degree in English are eligible for admission to KPU's Bachelor of Arts, Major or Minor in English programs, as well as to KPU's Bachelor of Arts programs in other areas, as long as other third year entry requirements are met.

Students who receive an Associate of Arts degree in English from Kwantlen Polytechnic University will also have appropriate course coverage to be eligible to enter the English major program at any other university in British Columbia. (UBC has additional requirements that students will need to complete, and UVic strongly recommends that students also have reading knowledge of a second language; however, direct entry is available into the B.A. English programs at most other institutions, including SFU.)

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts degree, students must complete at least 60 credits with a minimum of C in each course including the following:

1. Must take:

ENGL 1100	Introduction to University Writing	3 credits
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Fine Arts: Bachelor of Fine Arts, Visual Arts

Faculty of Arts	kpu.ca/arts
Fine Arts	kpu.ca/arts/fine-arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Fine Arts, Visual Arts degree program provides students with comprehensive knowledge and practice in the field of visual arts. The core of the Visual Arts degree is a strong studio curriculum focusing on the ideas and technical processes of producing contemporary art. The fine arts curriculum is complemented through access to a broad liberal education emphasizing the development of effective academic writing and verbal communication and presentation skills.

Grounded in theory and practice, students develop aesthetic judgment, professional knowledge, disciplinary expertise, and the collaborative skills required to prepare them for employment. The degree will prepare students for further study, to be practicing artists, and for global citizenship.

The diverse needs of visual art students are met in a vibrant environment with outstanding facilities, studios, exhibition spaces, visiting artists, student exchange programs, and opportunities for working with the community. Personal and professional development is encouraged in the department's relevant, engaging and inclusive Visual Arts degree.

Students can apply for a credential of Certificate or Diploma in Fine Arts as they complete those requirements in the course of their BFA degree.

Key features of the B.F.A., Visual Arts degree include the following:

- An emphasis on contemporary studio arts in two-dimensional (drawing, painting, print media), three-dimensional (sculpture, ceramics, installation), photography, digital media, and visual and contemporary theory.
- A commitment to a student-centred teaching environment, small class sizes, and easy access to qualified faculty.
- An opportunity for students to complete a Bachelor of Fine Arts degree in their community, close to home.
- The preparation of students for entry into the cultural industries sector and the labour market by incorporating essential skills into the curriculum, including cross-disciplinary applications of studio art theory and practice.

2. At least one of:

ENGL 1202	Reading and Writing about Selected Topics: An Introduction to Literature	3 credits
ENGL 1204	Reading and Writing about Genre: An Introduction to Literature	3 credits

3. Both of:

ENGL 2316	English Literature: 14th to 18th Centuries	3 credits
ENGL 2317	English Literature: 18th to 20th Centuries	3 credits

4. At least one of:

ENGL 2301	Canadian Literature in English	3 credits
ENGL 2309	Literature of the United States of America	3 credits

The English department strongly recommends that students who are pursuing an Associate of Arts Degree in English from Kwantlen Polytechnic University also complete at least one additional second year course chosen from the following list:

ENGL 2315	The Comic Voice	3 credits
ENGL 2319	The Novel in English: Its Development	3 credits
ENGL 2320	Studies in Poetry	3 credits
ENGL 2330	Studies in Drama	3 credits
ENGL 2340	Studies in Fiction	3 credits
ENGL 2350	Critical Studies in Film	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in English**.

- Focus on theoretical, methodological, and applied understanding and skills required for employment and/or further studies.
- A solid liberal arts background that will prepare students to become creative and critical thinkers.
- Dedicated studio space for 4th year BFA students.

The B.F.A., Visual Arts offers 1000- and 2000-level studio courses in the areas of ceramics, drawing, foundation in 2D and 3D studio, mixed media, digital media, painting, photography, print media and sculpture. These lower level courses are designed to develop expertise in a number of disciplines and cross-disciplinary work. Studio courses offer a combination of technical knowledge, creative thinking and critical content. There is flexibility within the structure of the program that allows students in third and fourth year to continue to take lower level, studio electives. This allows upper level students to continue to broaden their artistic understanding and skills, which, in turn, informs their third and fourth year art practice. Courses in Art History, Issues in Contemporary Art and Professional Practice complement the 1000- and 2000-level studio offerings.

The solid foundation in the visual arts that students gain after completing the lower level course requirements allows for more freedom in the upper level studios of the degree. The core of the 3000- and 4000-level advanced studio practice courses is an open format where students are able to work in a variety of studio disciplines within the same course. The student will work with a single or cross-disciplinary approach depending on their critical and creative concerns in relation to their art practice. In the final two semesters of the upper year, FINA 4300/4400 Advanced Studio Practice Thesis I and II are each worth 6 credits. This credit value will allow students to focus a greater amount of research and labour into their personal art practice while also giving them access to two instructors in each semester. This strong upper level studio core of the degree will be complemented by courses in a variety of areas. Art History will continue to offer curriculum in the upper levels concentrating on specific movements and periods. Students will also have access to such courses as Art in the Public Realm, and Artistic Practice in the Community. Special Topics in Studio Arts may be taken more than once for credit. Students may also draw from newly developed Cultural Studies and Interdisciplinary Expressive Arts courses.

CAREER OPPORTUNITIES

Employers are looking for creative, innovative individuals with a well-rounded, advanced education that enables them to adapt to various environments. Recent studies by Statistics Canada have confirmed that cultural industries rely on high-quality, university-based education to ensure the excellence of its practitioners and facilitators.

Upon completion of the program, students will be prepared to work as self-employed, professional artists. Students will also have the skills to excel in numerous Visual Arts related fields and industries such as museum and gallery work, art curation, advertising, electronic arts, web design, architecture, art therapy, theatre, TV, film, education, journalism, publishing, and graphics. In some of these areas, a B.F.A. is the stepping-stone to further studies such as specialization certificates or post-graduate studies in Visual Arts.

Visual Arts graduates will acquire skills to develop a career creating and exhibiting their own work. Specific course offerings in art professionalism will enable students to be self-employed in art-related fields (some of which are mentioned above) such as product design work, crafts, public art and murals. They will

be able to capitalize on market opportunities and derive income from a variety of sources such as sales, royalties, consultation fees, copyright, and exhibition and lecture fees. Their success will come from an awareness of the need to manage their careers as self-employed individuals with a commitment to continuous personal development.

The visual arts field has always been eager to adopt and utilize new technologies such as imaging and audio software, digital video and web-based art. Visual artists are becoming more involved not only in the application of new technologies to art but also in their design. The degree program reflects this dynamic interaction between the arts and current and emerging technologies and prepares graduates for employment opportunities in the growing industry of the electronic arts.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a grade of 'B' (or equivalent)
- A portfolio review accompanied by a statement of interest.

Portfolio Review

The portfolio submission will include:

- 12 to 15 examples of your original art that may range from sketchbooks to documentation of small to large artworks in any medium. Artwork could include photography, ceramics, computer-based graphics (including interactivity and motion), printmaking, painting, drawing and sculpture.
- A one page, written statement of intent that describes what inspires you to make art, how you communicate your ideas through art, and why you wish to pursue an education in the Fine Arts Program.

Portfolios should be in one of the following digital formats.

- Digital portfolios: CD, DVD, USB Drive, or website. Digital files should be both PC and Mac Compatible
- Photographs: JPEG files only, file size 1024 by 768 pixels with 150-240 dpi max.
Video: 2-3 minute max. in mov, mp4, wmv formats only

Portfolios should also include:

- List of works in a Word document, to include: Title, Date, Medium, Dimension (size of work), and whether the work was made for a course or self initiated.
- Statement of intent (1 page, 250-300 words, double-spaced)
- Digital Portfolio with label: Name, contact information. If you would like your portfolio to be returned, please include a self-addressed stamped envelope.

Portfolios should be sent or dropped off to:

Kwantlen Polytechnic University, Fine Arts Department
Attention: Portfolio Review Committee, Spruce 218
12666-72 Ave.
Surrey, BC, V3W 2M8

For general inquiries about the program or the portfolio review process, contact the Chair of Fine Arts for assistance: FineArtsChair@kpu.ca.

Students will be notified of the results of the portfolio review by the Office of Admissions.

PROGRAM REQUIREMENTS

Students will achieve a B.F.A., Visual Arts by completing a minimum of 120 credit hours with a cumulative grade point average of 2.0, plus a minimum grade of 'C' in all required courses. Successful entry into third year "Advanced Studio and Seminar I" will require a CGPA of 2.0 or higher plus a minimum grade of 'B-' in one second year studio course. In addition to satisfying all the essential requirements listed, students must complete at least 96 of the 120 credits in FINA/ARTH subjects, and at least 42 credits of FINA/ARTH at the 3rd and 4th year levels.

The following are program requirements of the B.F.A., Visual Arts:

- 6-credit writing requirement comprising ARTH 1120 and an ENGL course numbered 1100 or higher to be completed within the first 60 credits taken.
- 24-credit breadth requirement consisting of courses outside of the Fine Arts department (studio and Art History). Students will choose electives according to their interests from the Humanities, Social Sciences, Sciences, Mathematics, Business, Trades and Technology. A minimum of nine credits must be taken from the Humanities area (including English 1100).

All FINA/ARTH courses are 3 credits except FINA 4300 and 4400, which are both 6 credits.

1000 AND 2000 LEVEL

In the first 60 credits of the BFA program, all students must complete:

All of:

ARTH 1120	History of Western Art: Prehistoric to Early Renaissance	3 credits
ARTH 1121	History of Western Art: Renaissance to the 20th Century	3 credits
One ENGL	course numbered 1100 or higher	3 credits
FINA 1100	Introduction to Drawing	3 credits
FINA 1167	Introduction to Visual Culture: Look Now!	3 credits
FINA 1175	Form, Structure and Materials	3 credits
FINA 1200	Drawing II	3 credits
FINA 2147	Issues in Contemporary Art I	3 credits

And at least 27 of 1000 and 2000 level studio electives:

FINA 1110	Introduction to Painting	3 credits
FINA 1130	Ceramics I	3 credits
FINA 1131	Sculpture I	3 credits
FINA 1135	Introduction to Digital Media	3 credits
FINA 1142	Introduction to Print Media	3 credits
FINA 1145	Monotype – The Painted Print	3 credits

FINA 1170	Introduction to Film Photography	3 credits
FINA 1210	Painting II	3 credits
FINA 1230	Ceramics II	3 credits
FINA 1231	Sculpture II	3 credits
FINA 1242	Print Media II	3 credits
FINA1270	Photography II	3 credits
FINA 2135	Digital Media: Design in Contemporary Art	3 credits
FINA 2235	Digital Media: Interactive Art on the Web	3 credits
FINA 2270	Digital Photography	3 credits
FINA 2300	Advanced Drawing I	3 credits
FINA 2310	Advanced Painting I	3 credits
FINA 2330	Ceramics III	3 credits
FINA 2331	Sculpture III	3 credits
FINA 2335	Digital Media: Video and Installation	3 credits
FINA 2342	Advanced Print Media	3 credits
FINA 2370	Photography III	3 credits
FINA 2400	Advanced Drawing II	3 credits
FINA 2410	Advanced Painting II	3 credits
FINA 2430	Ceramics IV	3 credits
FINA 2431	Sculpture IV	3 credits
FINA 2442	Print Media IV	3 credits

Including at least 3 credits of ARTH:

ARTH 1130	Introduction to Film Studies	3 credits
ARTH 2122	Art in Flux: The Modern period	3 credits
ARTH 2124	Indigenous Art	3 credits
ARTH 2126	Canadian Art	3 credits
ARTH 2222	Art:1945 to the Present	3 credits

3000 AND 4000 LEVEL

In order to satisfy the requirements of the BFA, Visual Arts program, students must complete at least 42 upper-level ARTH/ FINA credits of study including the following required courses:

All of:

FINA 3100	Advanced Studio Practice and Seminar I	3 credits
FINA 3111	Professional Practices	3 credits
FINA 3200	Advanced Studio Practice and Seminar II	3 credits
FINA 4300	Advanced Studio Practice and Thesis I	6 credits
FINA 4400	Advanced Studio Practice and Thesis II	6 credits

And at least 6 credits of 3000/4000 ARTH:

ARTH 3100	Special Topics in Art History (rotating topics, may be taken multiple times)	3 credits
ARTH 3121	Italian Renaissance and Mannerist Art	3 credits
ARTH 3122	Art and the Age of Revolution	3 credits
ARTH 3130	Film and the City	3 credits
ARTH 3140	History of Photography	3 credits
ARTH 3150	New Media in Art	3 credits

And at least 12 credits of 3000 level studio electives selected from the following:

FINA 3110	Introduction to Curatorial Studies	3 credits
FINA 3112	Public Art: Theory and Practice	3 credits
FINA 3113	Subversive Art	3 credits
FINA 3131	Wall Works	3 credits
FINA 3133	Forming Stories	3 credits
FINA 3135	Advanced Digital Media: Open Studio I	3 credits
FINA 3147	Issues in Contemporary Art II	3 credits
FINA 3150	Telling Lies Again - Making Narrative Art	3 credits
FINA 3170	Advanced Film Photography	3 credits
FINA 3201	Artistic practice in the Community	3 credits
FINA 3202	Special Topics in Studio Arts (rotating topics, may be taken multiple times)	3 credits
FINA 3235	Advanced Digital Media: Open Studio 2	3 credits
FINA 3270	Advanced Digital Photography	3 credits
FINA 3280	Performance Art I	3 credits
FINA 3380	Performance Art II	3 credits

Notes:

- Courses will be offered on a rotating basis (i.e. not all courses will be available in a given year). KPU will ensure, however, that the necessary requirement of courses will be offered for a student to graduate in a four-year period.
- If you plan to earn a BFA degree from KPU, please review the list of BFA required lower level courses and consult a Bachelor of Arts degree advisor if you have questions about planning your program of studies.
- Students coming from another accredited institution should apply for transfer credit to obtain credits that could be applied to the BFA degree.
- If you choose to opt out of the BFA degree program during the course of your studies, you may choose to apply for our Certificate or Diploma programs, and receive either of these credentials.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Fine Arts, Visual Arts**.

Fine Arts: Diploma

Faculty of Arts	kpu.ca/arts
Fine Arts	kpu.ca/arts/fine-arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

As ENGL 1100 is a required prerequisite to some FINA and/or ARTH courses, it is strongly recommended that you take this course.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Fine Arts**.

DESCRIPTION

Fine Arts offers a two-year Fine Arts Diploma Program and a one-year Certificate Program. Both are designed to enable students to acquire a solid foundation in the basic skills of visual arts. Selected courses and groups of courses within the Diploma program may be applied to a 3rd year entry into the KPU Fine Arts BFA, Visual Arts or university transfer credit in Fine Arts and Education.

Upon completion of the two-year diploma program at KPU, graduates will have acquired both intellectual and technical skills to work effectively with a wide range of media. With these skills students can continue to develop their creative potential individually, through the BFA, Visual Arts program, or at another learning institution. Most Fine Arts credits are university transferable.

The department recommends that students consider a course of study that includes specializing in one or more areas, such as ceramics, painting, drawing, photography, print media, sculpture, and digital media.

Further Study

If you think you would like to ladder your Diploma into our BFA degree program, please consider taking FINA 1167, 1175, and 2147. Please contact a Bachelor of Arts advisor to help you plan your BFA degree.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

The sixty (60) credits for the diploma may be accumulated on a full or part-time basis. In order to receive a diploma, students must complete 6 credits of Art History (ARTH), 48 credits of Fine Arts (FINA), and 6 additional academic credits.

Fine Arts: Certificate

Faculty of Arts	kpu.ca/arts
Fine Arts	kpu.ca/arts/fine-arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Thirty credits are required for the Certificate Program. The Fine Arts Certificate is a self-contained program, that allows students to continue to the Fine Arts Diploma Program, the BFA, Visual Arts Degree or to apply to other art schools or universities. The credits may also be applied and used to build portfolios for other KPU programs such as Foundations of Design, Graphic Design for Marketing, Interior Design or Fashion Design.

The Fine Arts Certificate is a foundation year program of related courses concerned with the fundamentals of visual art and visual communication. Like all Fine Arts programs, it can be taken on either a full-time or part-time basis. It provides a period of study, exploration and intense development of ideas and techniques.

If there are any general questions or concerns, please contact the Chair of Fine Arts for assistance (FineArtsChair@kpu.ca).

Further Study

If you think you would like to ladder your Certificate into our Diploma program, please plan your program of studies to reflect the first 30 credits of the Fine Arts Diploma.

If you think you would like to ladder your Certificate into our Bachelor of Fine Arts program, please consider taking some of the required courses for the BFA in Visual Arts, such as ARTH 1120 and 1121, as well as FINA 1167 and 1175. Please contact a Bachelor of Arts advisor to help you plan your BFA degree.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Thirty credits are required for the Certificate Program. Students are encouraged to take a wide range of studio and academic courses with the intent to build a dynamic and diverse portfolio. Each semester students are free to design their own composition of courses reflecting both personal and academic goals. It is

strongly recommended that students work with a faculty advisor in order to plan the most effective course of study.

Requirements

- **30 transferrable credits of FINA and/or ARTH courses**

* **Note:** Students should design their curriculum to reflect a balance of 2 and 3 dimensional studies.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Fine Arts**.

General Studies: Bachelor of Arts Degree

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major in General Studies degree program provides students with the opportunity to develop a degree program in thematic areas not addressed by other, more traditional programs in the Arts disciplines. Working with a Arts Degree Advisor, the student may create an individual program of study in concert with his/her specific career goals, or simply develop an interdisciplinary liberal arts education. Such a program of study will normally involve a selection of courses from within and between departments that most interest students and best meet their needs for a coherent program.

The program includes:

- The development of knowledge, core competencies, and skills characteristic of traditional Bachelor of Arts programs
- The preparation of students for entry into the labour market by incorporating essential and employability skills in all courses
- The preparation of students to respond innovatively to emerging trends in society
- Clear benefits to students and to the community by providing an opportunity for them to complete a Bachelor of Arts degree at KPU where there is established emphasis on teaching, emerging emphasis on undergraduate research, long-standing connections to South Fraser communities, and accessibility to students in the expanding South Fraser region.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:

- Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
- Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
- Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses

- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

The program structure for each student in the BA, Major in General Studies program will vary depending upon the focus and concentration of courses developed in consultation with the Arts Degree Advisor and may include any minor programs offered by KPU. Students preparing for teacher education programs upon graduation are encouraged to refer to the appropriate institutional admission requirements and work with a Arts Degree Advisor to ensure they include appropriate courses in their degree program.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Arts, General Studies**. Students may have the option of adding a Minor to their credential by completing any of the BA Minor options at KPU.

General Studies: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further studies.

Associate degrees allow you to enter third-year university studies at KPU or other institutions. The Associate of Arts in General Studies option is for students who have not selected a major area of study.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course counting toward this degree.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in General Studies**.

General Studies: Diploma

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The General Studies Diploma program at KPU has been designed as an alternative to both the applied and University Studies programs. It enables students to design a framework for studies independent of occupational or University Studies requirements.

Students may select any undergraduate level courses in the calendar that they are particularly interested in and for which the prerequisites can be met. Some of the courses offer transfer credit to a university, or other institutions.

PROGRAM ADMISSION REQUIREMENTS

This program is not available for admission. Students may apply to graduate once they have completed sufficient requirements.

PROGRAM REQUIREMENTS

To qualify for a General Studies Diploma, a student must complete a minimum of 20 undergraduate level courses, totalling 60 or more credits.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in General Studies**.

Geography: Bachelor of Arts Minor

Faculty of Arts	kpu.ca/arts
Geography	kpu.ca/arts/geography
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Minor in Geography, provides an undergraduate degree option for students wishing to combine the study of geography with another disciplinary focus. Students will develop a deeper understanding of the interconnection of the natural and social environments, with particular attention to the urban setting of human activity.

In the first two years of the program, students take introductory courses in human and physical geography, a course in GIS (Geographic Information Systems), a course in regional geography, and a course in urban geography. There are also requirements, as defined in the BA degree framework, for quantitative courses, and courses in English and other disciplines.

At the end of year two, students who have completed the appropriate courses will qualify for an Associate of Arts or Associate of Science in Geography. The end of year two is when most students officially declare their Minor in Geography at KPU in order to pursue years three and four of KPU's BA programs.

In year three of the BA Minor in Geography, courses focus on geographic theory, further sub-areas of human geography, and the integration of physical and human geography. Year four is comprised of an advanced, applied GIS course and a course focusing on contemporary geographic issues, with new topics and content developed on an annual basis.

CAREER OPPORTUNITIES

Studying geography can lead to a wide range of careers in fields like urban and regional planning, geotechnical engineering, retail market planning, environmental consulting, meteorology, First Nations governance, Geographical Information Systems (GIS) and international development. Geography also provides a versatile background for professional programs like teaching, law, engineering and business.

The BA minor in Geography at KPU is most likely to be paired with a minor in areas like History, Sociology, English and Mathematics. Such combinations may lead towards a geography-related career, a teaching degree or an advanced degree

program. Other fruitful pairings would be with disciplines that also employ GIS, such as Anthropology, Business and Criminology.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements. Completing the BA Minor entails additional courses in other disciplines, quantitative courses and evidence of language proficiency. Of the 120 credits required, 45 credits must be in upper level courses.

Geography Minor

YEAR ONE

All of:

GEOG 1101	Human Geography	3 credits
GEOG 1110	Atmospheric Science	3 credits
GEOG 1120	Earth Science	3 credits

YEAR TWO

Both of:

GEOG 2250	The City	3 credits
GEOG 2400	Introduction to GIS	3 credits

And one of:

GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits

And one of:

GEOG 1160	Geography of British Columbia	3 credits
GEOG 2140	Regional Geography of Canada	3 credits
GEOG 2170	Regional Geography of Europe	3 credits
GEOG 2185	Regional Geography of East Asia	3 credits
GEOG 2190	Regional Geography of South Asia	3 credits

YEAR THREE

Required:

GEOG 3260 Geographic Thought 3 credits

And two of:

GEOG 3120 Space Economies 3 credits

GEOG 3130 Society and Urban Space 3 credits

GEOG 3220 Urban Politics and Planning 3 credits

And one of:

GEOG 3310 Natural Hazards 3 credits

GEOG 3320 Environment and Resources 3 credits

YEAR FOUR

Required:

GEOG 4380 Applications in GIS 3 credits

GEOG 4501 Current Geographic Issues 3 credits

CREDENTIAL AWARDED

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Geography**.

Geography: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Geography	kpu.ca/arts/geography
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate of Arts degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Geography.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course including all of the following:

All of:

GEOG 1101 Human Geography 3 credits

GEOG 1110 Atmospheric Science 3 credits

GEOG 1120 Earth Science 3 credits

GEOG 2390 Geographic Information and Data Analysis 3 credits

GEOG 2400 Introduction to GIS 3 credits

One of:

GEOG 2120 Economic Geography (discontinued) 3 credits

GEOG 2130 Social and Cultural Geography (discontinued) 3 credits

GEOG 2250 The City 3 credits

One of:

GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits
GEOG 2330	Introduction to Hydrology (discontinued)	3 credits
GEOG 2340	Biogeography	3 credits

And one of:

GEOG 1160	Geography of British Columbia	3 credits
GEOG 2140	Regional Geography of Canada	3 credits
GEOG 2170	Regional Geography of Europe	3 credits
GEOG 2185	Regional Geography of East Asia	3 credits
GEOG 2190	Regional Geography of South Asia	3 credits

Note: Students transferring to UBC may be required to complete GEOG 2140 instead of GEOG 2120.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Geography**.

History: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
History	kpu.ca/arts/history
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major in History, provides students with the opportunity to study the many peoples and cultures whose contributions have created the world in which we live today. The degree allows students to develop the knowledge, core competencies, and skills characteristic of a traditional BA program, while preparing them to respond creatively and innovatively to a range of challenges in our community and our world. Whether they pursue a general History BA, or choose a specialization in either the Asian or Military History streams, students will gain the literacy and analytical skills essential in today's labour market. Equally importantly, students will become better-informed citizens of our increasingly interconnected world. Our degree students will also benefit from our faculty's commitment to teaching excellence and from the small class sizes at Kwantlen Polytechnic University.

All History degree programs are reading and writing intensive. For this reason we strongly recommend that students complete the English requirements of the BA framework within their first two years at KPU.

CAREER OPPORTUNITIES

The versatility of the Bachelor of Arts, Major in History allows students to design their program of study such that it prepares them for careers or further study in areas such as business, community service, law, policing, elementary and secondary education, public history, the military, professional writing, public administration, self-employment, and social work, as well as graduate programs in History.

The History BA provides several thematic streams which allow students to enter traditional graduate programs, as well as more specialized programs such as those offered at the University of Victoria, University of British Columbia, University of Toronto, University of Calgary, University of New Brunswick, and the Royal Military College. The Bachelor of Arts, History, also offers students an upper-level capstone course on the applications of history that prepares them for leadership roles in the community.

and equips them with skills applicable to the fields of teaching, public history, archival work, and research.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

History students begin their first year of studies with courses that broadly introduce them to major developments in political and economic history from across the globe, as well as key themes in historical development. In the second year, they progress to more specifically defined regional courses, considering not only economic and political history, but also social and cultural developments. In the first and second years, students will begin to build the reading, writing, and research skills necessary to succeed in upper level history courses. At the third year level, students undertake in-depth studies of particular countries or particular themes in global development. Finally, in fourth year seminars, students examine focused subjects again considering all aspects of that particular topic.

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

History Major

The following major requirements are to be completed for the Bachelor of Arts, Major in History program.

Students are required to complete 12 credits of lower levels history courses with 6 of these credits at the 2000 level.

1000 Level

HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1120	Europe 1900–1939	3 credits
HIST 1121	Europe since 1939	3 credits
HIST 1130	Twentieth Century World I: 1900–1945	3 credits
HIST 1131	Twentieth Century World II: 1945–2000	3 credits
HIST 1145	American History 1607–1865	3 credits
HIST 1146	American History 1865–1974	3 credits

HIST 1150	Introduction to Traditional East Asia	3 credits
HIST 1160	Introduction to South Asian History	3 credits
HIST 1170	Introduction to African History	3 credits
2000 Level		
HIST 2101	Europe in the Middle Ages	3 credits
HIST 2102	Europe 1450–1789	3 credits
HIST 2119	Europe 1789–1914	3 credits
HIST 2150 or ASIA 2150	Tea in China and Japan	3 credits
HIST 2156 or ASIA 2156	Martial Arts of China and Japan	3 credits
HIST 2300	Introduction to World Civilizations	3 credits
HIST 2301	The Ancient World	3 credits
HIST 2304	Canadian-American Relations	3 credits
HIST 2307	Twentieth Century Britain	3 credits
HIST 2335	War in the Modern World	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 2355	The Chinese Overseas: A Global History of Chinese Migration	3 credits
HIST 2375	Japan under the Shoguns, 1600 to 1868	3 credits
HIST 2380	Global Environmental History	3 credits

Students are required to take 18 credits of history at the 3000 level. Note that courses at the 3000 level might require specific course prerequisites at the 1000 and/or 2000 levels.

3000 Level

HIST 3140 or ASIA 3140	Environment and Society in East Asia	3 credits
HIST 3149 or ASIA 3149	Hong Kong: Past, Present, and Future	3 credits
HIST 3150 or ASIA 3150	East Asian Immigrants to North America	3 credits
HIST 3310	The Fibre of Society: Textile Production and Global Development	3 credits
HIST 3313	Canadian Social History: Order and Disorder	3 credits
HIST 3320	The Balkans from 1543 to 1918	3 credits
HIST 3327	Russia to 1917	3 credits
HIST 3328	History of the Soviet Union	3 credits
HIST 3330	Germany in the Long Nineteenth Century (1789-1914)	3 credits

HIST 3331	Twentieth Century Germany	3 credits
HIST 3340	Civil War and Reconstruction	3 credits
HIST 3344	Colonial America	3 credits
HIST 3345	The American West	3 credits
HIST 3346	History of the American Revolution 1760-1791	3 credits
HIST 3350	China in the Twentieth Century: Reforms and Revolutions	3 credits
HIST 3360	British India, 1857–1947	3 credits
HIST 3361	The Indian Subcontinent since 1947	3 credits
HIST 3370	Modern Japan	3 credits
HIST 3380	World War II in the Pacific	3 credits
HIST 3390	Canada & World War One	3 credits
HIST 3392	British Home Front during World War II	3 credits
HIST 3397	Guerillas in the Mist: Terrorism in the Twentieth Century	3 credits

All students are required to take:

4000 Level

HIST 4400	Applications of History	3 credits
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In addition to HIST 4400, students are required to take at least 9 credits of history at the 4000 level.

HIST 4407	British Society & Culture, 1900-2000	3 credits
HIST 4420	Europe in the "Age of Dictators"	3 credits
HIST 4430	The Holocaust in History	3 credits
HIST 4435	Genocide in the Twentieth Century	3 credits
HIST 4445	The US since 1945	3 credits
HIST 4450	China & the West	3 credits
HIST 4455	Sages and Statecraft in China	3 credits
HIST 4460	Gandhi in History	3 credits
HIST 4470	Warriors of Japan: The Samurai	3 credits
HIST 4480	The Vietnam War in Historical Perspective	3 credits
HIST 4485	The Great Strategists	3 credits
HIST 4490	History of British Columbia	3 credits
HIST 4491	Quebec in Canada	3 credits
HIST 4497	Canada and World War II	3 credits
HIST 4499	Selected Topics in History*	3 credits

* * This course may be repeated more than once for credit, to a maximum of 12 credits. Depending on the topic, HIST 4499 may be applicable to either the Asian or Military History stream.

ASIAN HISTORY STREAM

Students who wish to focus their studies on Asian History are recommended to complete their program requirements using courses from the following:

1000 Level

HIST 1130	Twentieth Century World I: 1900–1945	3 credits
HIST 1131	Twentieth Century World II: 1945–2000	3 credits
HIST 1150	Introduction to Traditional East Asia	3 credits
HIST 1160	Introduction to South Asian History	3 credits

2000 Level

HIST 2150 or ASIA 2150	Tea in China and Japan	3 credits
HIST 2156 or ASIA 2156	Martial Arts of China and Japan	3 credits
HIST 2300	Introduction to World Civilizations	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 2355	The Chinese Overseas: A Global History of Chinese Migration	3 credits
HIST 2375	Japan under the Shoguns, 1600 to 1868	3 credits

3000 Level

HIST 3140 or ASIA 3140	Environment and Society in East Asia	3 credits
HIST 3149 or ASIA 3149	Hong Kong: Past, Present, and Future	3 credits
HIST 3150 or ASIA 3150	East Asian Immigrants to North America	3 credits
HIST 3350	China in the Twentieth Century: Reforms and Revolutions	3 credits
HIST 3360	British India, 1857–1947	3 credits
HIST 3361	The Indian Subcontinent since 1947	3 credits
HIST 3370	Modern Japan	3 credits
HIST 3380	World War II in the Pacific	3 credits

4000 Level

HIST 4400	Applications of History (required)	3 credits
HIST 4450	China & the West	3 credits
HIST 4455	Sages and Statecraft in China	3 credits
HIST 4460	Gandhi in History	3 credits
HIST 4470	Warriors of Japan: The Samurai	3 credits

HIST 4480	The Vietnam War in Historical Perspective	3 credits
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MILITARY HISTORY STREAM

Students who wish to focus their studies on Military History are recommended to complete their program requirements using courses from the following:

1000 Level

HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1120	Europe 1900–1939	3 credits
HIST 1121	Europe since 1939	3 credits
HIST 1130	Twentieth Century World I: 1900–1945	3 credits
HIST 1131	Twentieth Century World II: 1945–2000	3 credits
HIST 1145	American History 1607–1865	3 credits
HIST 1146	American History 1865–1974	3 credits

2000 Level

HIST 2335	War in the Modern World	3 credits
HIST 2375	Japan under the Shoguns	3 credits

3000 Level

HIST 3340	Civil War and Reconstruction	3 credits
HIST 3346	History of the American Revolution 1760–1791	3 credits
HIST 3380	World War II in the Pacific	3 credits
HIST 3390	Canada & World War One	3 credits
HIST 3392	British Home Front during World War II	3 credits
HIST 3397	Guerillas in the Mist: Terrorism in the Twentieth Century	3 credits

4000 Level

HIST 4400	Applications of History (required)	3 credits
HIST 4420	Europe in the 'Age of the Dictators'	3 credits
HIST 4435	Genocide in the Twentieth Century	3 credits
HIST 4470	Warriors of Japan: The Samurai	3 credits
HIST 4480	The Vietnam War in Historical Perspective	3 credits
HIST 4485	The Great Strategists	3 credits
HIST 4497	Canada and World War II	3 credits

History Minor

Students are required to complete 12 credits of lower levels history courses with 6 of these credits at the 2000 level.

1000 Level

HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1120	Europe 1900–1939	3 credits
HIST 1121	Europe since 1939	3 credits
HIST 1130	Twentieth Century World I: 1900–1945	3 credits
HIST 1131	Twentieth Century World II: 1945-2000	3 credits
HIST 1145	American History 1607–1865	3 credits
HIST 1146	American History 1865–1974	3 credits
HIST 1150	Introduction to Traditional East Asia	3 credits
HIST 1160	Introduction to South Asian History	3 credits
HIST 1170	Introduction to African History	3 credits

2000 Level

HIST 2101	Europe in the Middle Ages	3 credits
HIST 2102	Europe 1450 to 1789	3 credits
HIST 2119	Europe 1789 to 1914	3 credits
HIST 2150 or ASIA 2150	Tea in China and Japan	3 credits
HIST 2156 or ASIA 2156	Martial Arts of China and Japan	3 credits
HIST 2300	Introduction to World Civilizations	3 credits
HIST 2301	The Ancient World	3 credits
HIST 2304	Canadian-American Relations	3 credits
HIST 2307	Twentieth Century Britain	3 credits
HIST 2335	War in the Modern World	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 2355	The Chinese Overseas: A Global History of Chinese Migration	3 credits
HIST 2375	Japan under the Shoguns, 1600 to 1868	3 credits

Students are required to take at least 9 credits of history at the 3000 level.

Courses at the 3000 level require specific course prerequisites at the 1000 and 2000 levels.

3000 Level

HIST 3140 or ASIA 3140	Environment and Society in East Asia	3 credits
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HIST 3149 or ASIA 3149	Hong Kong: Past, Present, and Future	3 credits
HIST 3150 or ASIA 3150	East Asian Immigrants to North America	3 credits
HIST 3310	The Fibre of Society: Textile Production and Global Development	3 credits
HIST 3313	Canadian Social History: Order and Disorder	3 credits
HIST 3320	The Balkans from 1543 to 1918	3 credits
HIST 3327	Russia to 1917	3 credits
HIST 3328	History of the Soviet Union	3 credits
HIST 3330	Germany in the Long Nineteenth Century (1789-1914)	3 credits
HIST 3331	Twentieth Century Germany	3 credits
HIST 3340	Civil War and Reconstruction	3 credits
HIST 3344	Colonial America	3 credits
HIST 3345	The American West	3 credits
HIST 3346	History of the American Revolution 1760-1791	3 credits
HIST 3350	China in the Twentieth Century: Reforms and Revolutions	3 credits
HIST 3360	British India, 1857–1947	3 credits
HIST 3361	The Indian Subcontinent since 1947	3 credits
HIST 3370	Modern Japan	3 credits
HIST 3380	World War II in the Pacific	3 credits
HIST 3390	Canada & World War I	3 credits
HIST 3392	British Home Front during World War II	3 credits
HIST 3397	Guerillas in the Mist: Terrorism in the Twentieth Century	3 credits

Students are required to take at least 6 credits of history at the 4000 level.

4000 Level

HIST 4400	Applications of History	3 credits
HIST 4407	British Society & Culture: 1900–2000	3 credits
HIST 4420	Europe in the "Age of Dictators"	3 credits
HIST 4430	The Holocaust in History	3 credits
HIST 4435	Genocide in the 20th century	3 credits
HIST 4445	US since 1945	3 credits
HIST 4450	China and the West	3 credits
HIST 4455	Sages and Chinese Statecraft	3 credits

HIST 4460	Gandhi in History	3 credits
HIST 4470	Warriors of Japan: The Samurai	3 credits
HIST 4480	The Vietnam War in Historical Perspective	3 credits
HIST 4485	The Great Strategists	3 credits
HIST 4490	History of British Columbia	3 credits
HIST 4491	Quebec in Canada	3 credits
HIST 4497	Canada and World War II	3 credits
HIST 4499	Selected Topics in History	3 credits

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in History**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in History**.

History: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
History	kpu.ca/arts/history
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate of Arts Degree in History is designed to introduce students to the discipline and to prepare them for further study. Many students complete the Associate of Arts degree in order to gain a broader understanding of the world in which they live and to become more informed and engaged citizens. Students can choose to focus on a particular geographic region; however, we recommend that students complete as broad a range of courses as possible.

The Associate of Arts degree can be used as an entry pathway into the Bachelor of Arts Degree in History; however, students should note that the BA only requires six credits of History at the first year level and six credits of History at the second year level.

History courses are reading and writing intensive. It is therefore strongly recommended that students complete the English requirements of their degree within their first two semesters.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course and meet the following requirements:

A minimum of 12 credits chosen from any of the following core courses:

HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1120	Europe 1900 to 1939	3 credits
HIST 1121	Europe since 1939	3 credits

HIST 1130	Twentieth Century World 1900 to 1945	3 credits
HIST 1131	Twentieth Century World 1945 to 2000	3 credits
HIST 1145	American History 1607 to 1865	3 credits
HIST 1146	American History 1865 to 1974	3 credits
HIST 1150	Introduction to Traditional East Asia	3 credits
HIST 1151	Introduction to Modern East Asia	3 credits
HIST 2101	Europe in the Middle Ages	3 credits
HIST 2102	Europe 1450 to 1789	3 credits
HIST 2119	Europe 1789 to 1914	3 credits

A minimum of 9 credits chosen from History courses numbered at the 2300 level or higher.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in History**.

Journalism: Bachelor of Journalism (also: Honours)

Faculty of Arts	kpu.ca/arts
Journalism	kpu.ca/arts/journalism
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Journalism program prepares graduates for such positions as multi-media reporters, photojournalists, editors, researchers, and freelance writers. It also gives students valuable transferable skills that can be put to use in many fields of endeavour, including working in a deadline-driven environment, learning how to use social media and journalistic research skills in professional settings, and understanding the many facets of the collection and dissemination of information via the media.

The program is based on academic studies and practical training through seminars, labs and off-campus work experiences. The program features industry-standard software to produce journalism that draws on the full range of multimedia storytelling possibilities, including animation, interactivity, audio and video. Communication Studies courses are also an important part of the program, including exploration of such issues as media law and ethics, media and diversity and media and social change.

Faculty members include award-winning journalists with career experience and academic credentials. Many faculty members continue to work as journalists.

Journalism courses include such subject areas as:

- multimedia storytelling
- photojournalism
- news reporting
- citizen journalism
- narrative nonfiction
- communication and rights
- visual literacy
- media and diversity

During the course of their studies, students will:

- Develop a broad knowledge of multi-media journalism
- Develop critical thinking skills through course work that covers areas such as popular culture, communication theory, and media law and ethics

- Train in specific skill areas, such as photojournalism, multimedia storytelling, news reporting and literary journalism
- Develop appropriate attitudes through exposure to the legal, ethical and societal constraints under which they will be expected to function as journalists or professionals utilizing journalistic skills in other fields
- Develop sound work habits, such as effective time management, teamwork, and setting and meeting objectives

CAREER OPPORTUNITIES

The Journalism program prepares graduates to:

- Work as multi-media writers, reporters, editors and photojournalists in online and print journalism and related fields
- Work as freelance multi-media writers and/or photojournalists
- Work in media-relations positions in private industry and government

KPU's Journalism program celebrates a high rate of employment for its graduates.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note:

Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Honours Admission:

High academic standing is required. Interested students should contact the department.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Journalism Honours

Students who have achieved high academic standing may choose to complete an Honours degree, which includes an Honours Seminar, Directed Study and Thesis. Students will work with a faculty advisor on an intensive research and writing project.

In addition to the 120 credits required by the Bachelor of Journalism degree program, honours students will need to complete the following additional 9 credits of course work:

JRNL 4190	Directed Study Honours 1 – Research	3 credits
JRNL 4290	Honours Thesis	3 credits
JRNL 4295	Journalism Honours Seminar	3 credits

To qualify for the Journalism Honours degree, students must have been admitted to the Honours program prior to earning the Journalism degree. Students may receive either the Journalism degree or the Journalism Honours degree, but not both.

Note: The Honours degree may not be offered each year.

Journalism Major

LOWER LEVEL REQUIREMENTS

Students must complete the following required courses for the Journalism Major.

1000 Level

JRNL 1160	Intro to Journalism	3 credits
JRNL 1220	Citizen Journalism	3 credits

2000 Level

JRNL 2120	Storytelling 1	3 credits
JRNL 2230	Multimedia Storytelling	3 credits

Students must complete a total of 12 credits from the following two areas by selecting two courses from each area:

1. Journalism Electives (choose two)

JRNL 2140	Introduction to News: How We Inform Ourselves	3 credits
JRNL 2240	Beyond the News	3 credits
JRNL 2250	Public Affairs Journalism 1	3 credits

2. Communication Studies Electives (choose two)

COMM 1100	Foundations of Communication Studies	3 credits
COMM 1110	TV and Social Change	3 credits
COMM 1200	Visual Literacy	3 credits
COMM 2100	Media Ethics and Law	3 credits
COMM 2210	Media, Audiences and Popular Culture	3 credits
COMM 2220	Communications Rights & Freedoms	3 credits

UPPER LEVEL REQUIREMENTS

Students must complete the following required courses for the Journalism Major:

3000 Level

JRNL 3155	Storytelling 2: Reporting	3 credits
JRNL 3160	Photojournalism	3 credits

4000 Level

JRNL 4270	Advanced Storytelling	3 credits
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Students must complete a total of 21 credits from the following three areas by selecting at least two courses from each area:

1. Journalism Electives (choose at least two)

JRNL 3170	Storytelling 3: Narrative Nonfiction	3 credits
JRNL 3260	Media Economics and Entrepreneurial Journalism	3 credits
JRNL 4165	Data Journalism	3 credits
JRNL 4250	Public Affairs Journalism 2	3 credits

2. Journalism Electives (choose at least two)

JRNL 3270	Advanced Photojournalism	3 credits
JRNL 4141	Work Experience	3 credits
JRNL 4240	Social Issues Journalism	3 credits
JRNL 4260	Computer Programming for Journalists	3 credits

3. Communication Studies Electives (choose at least two)

COMM 3100	Media and Diversity	3 credits
COMM 3110	News Media and Influence	3 credits
COMM 4210	History of Canadian Journalism	3 credits

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Journalism (Honours)**.

Upon successful completion of the major program, students are eligible to receive a **Bachelor of Journalism**.

Modern Languages

Faculty of Arts	kpu.ca/arts
Modern Languages	kpu.ca/arts/modern-languages
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Not applicable
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	No Credential
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

KPU offers a wide variety of language and linguistics courses (French, German, Japanese, Mandarin, Linguistics, Punjabi, and Spanish) as well as cultural studies courses (instruction in English). Learning foreign languages helps students develop the complex set of linguistic, social, and cultural skills, which enables them to understand not only the particular language and culture they are studying but also their own socio-cultural norms and values. These languages are also spoken locally so studying them will help students communicate and integrate with the broader local communities. Knowing additional languages will also help students study abroad and work internationally.

We offer an inclusive and interactive learning environment, encouraging students to engage with the course content and actively broaden their perspectives of the world.

Study abroad opportunities are available in several countries: Chile, China, France, Germany, Japan.

For language courses, students with competence in a language beyond the level of the courses available are not permitted to register. In the event that they do register, they will be required to withdraw. Students who are not sure of their language level should contact an instructor for an assessment. Generally, students who are native speakers of a language are not permitted to register in the related Modern Language course. For information on some exceptions, please contact the instructor of the language of interest.

Cultural Studies Courses

OFFERED AT RICHMOND AND SURREY

Culture is the ways people think about themselves and organize the world they inhabit, which is closely related to language which is the medium of a culture's expression. Language and culture are both part of the lives of a particular group of people, and our Cultural Studies Courses provide students with an opportunity to explore cultures through textual and visual media and through business practices.

For course descriptions and prerequisites, see the Cultural Studies course descriptions.

Cultural Studies courses are offered in English.

French Courses

OFFERED AT RICHMOND AND SURREY

French is an official language of Canada and mother tongue of about 7.0 million Canadians. It is also one of the world's major international languages spoken by over 200 million people in 43 countries. Knowing French is a plus and often a necessity in the Canadian Federal public services and the travel industry. Beyond helping students pursue career goals, French enables communication with people in many different countries, and a deeper exploration of French art, fashion, and cuisine.

KPU offers various levels of French courses. Since not all courses are offered in every semester or on every campus, language students are strongly advised to seek counseling from members of the Modern Languages department before planning their program.

For course descriptions and prerequisites, see the French course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

German Courses

OFFERED AT SURREY, RICHMOND, AND LANGLEY

German is widely spoken throughout Europe and is used extensively on the internet. Learning German will give you access to a culture which is incredibly rich and rewarding, particularly for students interested in philosophy, literature and technology. Learning German will enable you to communicate with over 200 million people around the world, increase your employment opportunities, and improve your understanding and use of English.

Note that not all courses are offered in every semester or on every campus.

Native speakers of German who wish to take a first- or second-year German course must consult with a German instructor before registration. Students with a German 'Abitur' are not permitted to enroll in the courses.

For course descriptions and prerequisites, see the German course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

Japanese Courses

OFFERED AT RICHMOND AND SURREY

Japanese is a language spoken by over 130 million people in Japan and in Japanese immigrant communities around the world. Since Japan has the most diverse economy in Asia and has the 3rd largest economy in the world, knowing Japanese will bring business opportunities and help students pursue their career goals. Also, Japanese culture has become part of the international cultural scene, including sushi bars, karaoke, anime, in addition to traditional arts. Learning Japanese helps students explore Japan's rich history and culture.

Students who have previously taken Japanese must contact the instructor before registering for JAPN 1101, 2200, 2201, 3300, or 3301.

For course descriptions and prerequisites, see the Japanese course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

Linguistics Courses

OFFERED AT RICHMOND AND SURREY

Linguistics is the methodical and systematic study of human language. It investigates all aspects of how people use language and what they must know in order to do so. In examining the general structural properties of language, students learn how words and sentences are formed, how sounds are articulated and patterned, how words and sentences are interpreted and how context affects meaning. Students analyze examples from a variety of languages, not only English. Subfields of linguistic study examine first and second language acquisition, the neurological foundations of language, the interrelationships between language and various social factors, the historical changes of language, as well as linguistic typology and universals. Knowledge of linguistics is highly beneficial for the study and teaching of any language, but linguistic research also shares concerns with practically every human science, from psychology and neurology to literary study, anthropology, sociology, history, political science and criminology.

For course descriptions and prerequisites, see the Linguistics course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

Mandarin Courses

OFFERED AT RICHMOND

Mandarin has more native speakers in the world than any other languages, including English. It is the official language of the People's Republic of China and Taiwan, one of the major languages (or lingua franca) used in the Chinese communities outside China, and one of the six official working languages at the United Nations. It is becoming the second largest language spoken in Metro Vancouver. Knowledge in Mandarin can be part of various kinds of education programs and degrees at KPU, and is also a definite asset for increased employment opportunities, in areas of business in particular, both at home and overseas.

To help students register in the right course level, the Modern Languages Department has instituted guidelines for Mandarin course registration available at kpu.ca/mandarin. Students are strongly advised to refer to these guidelines for self-assessment before registering for a course. Should their language level be found higher than the course level after classes start, they may be dropped from the class.

For course descriptions and prerequisites, see the Mandarin course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

Punjabi Courses

OFFERED AT SURREY

Punjabi is spoken by eighty million people in South Asia. In BC, it is the fourth most commonly spoken language. Learning Punjabi helps students communicate with people in the large Punjabi community and explore its cultural importance.

Any student with recent Grade 12 Punjabi, or with previous language skills meeting or exceeding this level, is not permitted to register in the introductory courses PUNJ 1100 and 1101. PUNJ 1100 is designed for students who have little or no previous knowledge of Punjabi (Gurmukhi). They will use the communicative approach to develop the ability to speak,

comprehend, read, and write Punjabi while further exploring the Punjabi culture.

For course descriptions and prerequisites, see the Punjabi course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

Spanish Courses

OFFERED AT RICHMOND, LANGLEY, AND SURREY

Spanish is the fourth most commonly spoken language in the world and the official language of 21 countries with combined population of 350 million. Learning Spanish helps students explore different parts of the world and have opportunities to work in trade or business fields.

KPU offers various levels of Spanish. Since not all courses are offered in every semester or on every campus, language students are strongly advised to seek counseling from members of the Modern Languages discipline before planning their program.

For course descriptions and prerequisites, see the Spanish course descriptions.

For assessment or placement test information, please see the Department of Modern Languages (kpu.ca/modernlanguages).

PROGRAM ADMISSION REQUIREMENTS

Admission to a KPU program is required to access the Modern Languages courses.

PROGRAM REQUIREMENTS

Courses at the 1100-level are open to students who have no knowledge of that language.

Students with competence in a language beyond the level of the courses available are not permitted to register. In the event that they do register, they will be required to withdraw. Students who are not sure of their language level should contact an instructor for an assessment. Generally, students who are native speakers of a language are not permitted to register in the related Modern Language course. For information on some exceptions, please contact the instructor of the language of interest.

CREDENTIAL AWARDED

These courses may be used towards many KPU credentials.

Music, General Studies: Bachelor of Music in Musical Arts Degree

Faculty of Arts	kpu.ca/arts
Music	kpu.ca/arts/music
Implementation Date	01-Sep-2012
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The BMMA is a four-year program focusing primarily on Western classical music while providing students with opportunities to explore jazz, pop, and world music. Practical courses, such as the Business of Music, Approaches to Music Education, and Psychophysiology of Music Performance, give this program an experiential dimension rarely found in traditional music programs. The program fosters students' creativity and versatility, equipping them to adapt to changing market demands and to apply learned theory and practice in a variety of cultural and service sectors.

The Music program offers students two options for their studies:

- 1. Bachelor of Music in Musical Arts degree.** This is a selective-entry, four-year bachelor's degree program that is eight semesters in length consisting of 122 credits of coursework.
- 2. Music Diploma option.** The two-year diploma is embedded within the degree. It allows students who do not wish to pursue a degree in music to have an optional exit point after completion of lower level requirements. The Diploma has six concentrations: General Studies, Comprehensive Studies, Guitar Performance, Orchestral Instrument Performance, Piano Performance and Vocal Performance.

Foundation Courses

Applicants who demonstrate musical talent but have not established a thorough grounding in the practical skills and general knowledge of music at the appropriate level may be given the opportunity to register in one or more foundation courses to upgrade specific musical and technical skills. The Foundation courses include:

- Rudiments in Music (i.e., Theory) MUSI 1100 & MUSI 1200
- Listening to Music (i.e., Introduction to Music History) MUSI 1103 & MUSI 1203
- Studio Lessons (i.e., Private Lessons) MUSI 1105 & MUSI 1205

STUDENT PROFILE

BMMA students are high school graduates, transfer students, and adult learners residing in the region (South Fraser, Fraser Valley, and North Fraser, east of Burnaby). All entering students require rudimentary knowledge of music theory, basic aural and rhythm skills, and practical performance skills at a university-entrance level. (BMMA – Audition Requirements). In addition, good writing and research skills will be beneficial in all music history courses

CAREER OPPORTUNITIES

A curriculum that supports an entrepreneurial spirit in the cultural marketplace is an important focus of the KPU music degree. The program opens multiple pathways to career options including performance, studio pedagogy, music education, interdisciplinary arts, and arts management. In addition, the BMMA provides opportunities for leadership development and community-based music initiatives through liaisons with schools, arts organizations, and relevant industry partners. Two proposed concentrations within the program (Studio Pedagogy and Education) include practica, with community and industry partners monitoring student work in studio, classroom, and business settings.

Graduates of the BMMA degree will be able to access post-baccalaureate studies in music education or in graduate music programs emphasizing performance, studio pedagogy, music theory, or musicology will be accessible to graduates of the BMMA degree at universities across North America.

Through a judicious choice of courses and/or further study, BMMA students may also pursue music-related careers in the areas of music services (e.g., music librarian, music therapy), science and technology (e.g., audio engineering, digital audio editor), management (e.g., arts administration, concert promotion), advertising (e.g., music critic, jingle writer), business (music wholesaler/distributor, merchandising, entertainment business lawyer), and music production in the related fields of film, theatre, and television.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

■ Audition/interview

Applicants will receive an invitation to demonstrate their musical and technical skills in an audition, which will take place in April / May. Alternative audition dates are possible for students living outside the Greater Vancouver Region. For those who have completed the university application process by the specified deadline, late auditions may be held in August (subject to seat availability)

For all instruments except piano, the standard of practical work expected at the time of audition is equivalent to Royal Conservatory of Music (RCM) Grade 6. The entrance standard for piano is equivalent to RCM Grade 10.

■ A satisfactory score on the KPU Music Placement Test

The placement test assesses the knowledge and skill of the applicant in music theory, music history, and aural musicianship (i.e., ear training). The results will help determine the best point of entry for prospective students.

Applicants who have successfully completed the RCM – Advanced Rudiments Examination in Theory or Conservatory Canada, Theory IV may be exempt from writing the theory section of the placement test upon presentation of the certification of completion on or before the day of the audition.

Applicants who have successfully completed the RCM History 1 Examination may be exempt from writing the history section of the placement test upon presentation of the certification of completion on or before the day of the audition.

Note: One post-secondary English course, equivalent to KPU's ENGL 1100, is a graduation requirement for all KPU degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

For more details regarding audition requirements and the placement exam, visit: kpu.ca/music.

Applicants not accepted into the BMMA program may be eligible to pursue courses toward the degree via the Associate of Arts in Music. Not all courses in this program are eligible for credit towards the degree program, therefore interested students should consult with either an Educational Advisor or with the Music Department prior to applying. Please note that the Associate of Arts in Music does not include studio lessons (i.e. private instruction).

CONTINUANCE REQUIREMENTS

For students admitted to Year 1 of the program, continuation into Year 3 requires:

- completion of all Lower Level requirements;
- a cumulative GPA of 2.7; and
- successful completion of MUSIC 2454 or equivalent.

PROGRAM REQUIREMENTS

The BMMA program requires a minimum of 122 credits successfully completed. Students completing the General Studies Major may also elect to complete one of four concentrations. Each concentration requires additional credits. Note that concentrations will be offered in the coming years.

Please note, the BMMA requires a total of 18 credits of electives, six (6) of which must be completed before progressing to third year.

Note: MUSI courses numbered 3000 to 4999 are assessed Tuition Category 2.a.2 tuition and fees for domestic students.

General Studies Major

LOWER LEVEL REQUIREMENTS

Students must successfully complete 66 credits of Lower Level courses to include:

12 credits of Music Theory (all of):

MUSI 1150	The Language of Music I	3 credits
MUSI 1250	The Language of Music II	3 credits
MUSI 2350	The Language of Music III	3 credits
MUSI 2450	The Language of Music IV	3 credits

8 credits of Aural Musicianship (all of):

MUSI 1151	Aural Musicianship I	2 credits
MUSI 1251	Aural Musicianship II	2 credits
MUSI 2351	Aural Musicianship III	2 credits
MUSI 2451	Aural Musicianship IV	2 credits

12 credits of Music History (all of):

MUSI 1153	History of Music I: Antiquity to 1600	3 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits

4 credits of Keyboard Skills* (all of):

MUSI 1154	Keyboard Skills I	1 credit
MUSI 1254	Keyboard Skills II	1 credit
MUSI 2354	Keyboard Skills III	1 credit
MUSI 2454	Keyboard Skills IV	1 credit

8 credits of Studio Lessons (all of):

MUSI 1157	Major Instrument - Concentration I	2 credits
MUSI 1257	Major Instrument - Concentration II	2 credits
MUSI 2357	Major Instrument - Concentration III	2 credits
MUSI 2457	Major Instrument - Concentration IV	2 credits

8 credits of Ensemble

All of:

MUSI 1167	Kwantlen Strings I	2 credits
MUSI 1267	Kwantlen Strings II	2 credits
MUSI 2367	Kwantlen Strings III	2 credits
MUSI 2467	Kwantlen Strings IV	2 credits

Or all of:

MUSI 1168	Kwantlen Wind Ensemble I	2 credits
MUSI 1268	Kwantlen Wind Ensemble II	2 credits
MUSI 2368	Kwantlen Wind Ensemble III	2 credits
MUSI 2468	Kwantlen Wind Ensemble IV	2 credits

Or all of:

MUSI 1169	Kwantlen Chorus I	2 credits
MUSI 1269	Kwantlen Chorus II	2 credits
MUSI 2369	Kwantlen Chorus III	2 credits
MUSI 2469	Kwantlen Chorus IV	2 credits

Or all of:

MUSI 1171	Guitar Chamber Ensemble I	2 credits
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MUSI 1271	Guitar Chamber Ensemble II	2 credits
MUSI 2371	Guitar Chamber Ensemble III	2 credits
MUSI 2471	Guitar Chamber Ensemble IV	2 credits

6 credits of English/Writing Intensive courses:

ENGL 1100†	Introduction to University Writing	3 credits
One additional course	English/Writing Intensive	3 credits

And:

MUSI 1112	Introduction to the Music Industry	2 credits
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And 6 credits of Non-Music Electives:

Course(s) numbered 1100 or higher, not in the MUSI subject area.	6 credits
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Note:

*Students whose main instrument is piano substitute 4 credits of electives.

†Recommended

Upon successful completion of the lower level requirements, students may be eligible to exit the program and receive a Diploma in Music. For detailed program requirements, see the Diploma in Music.

UPPER LEVEL REQUIREMENTS

Student must have successfully completed Lower Level requirements before beginning Upper Level. Completion of Upper Level requires 52 credits of courses to include:

6 credits of Music Theory (all of):

MUSI 3550	The Language of Music V: Jazz and Pop	3 credits
MUSI 3650	The Language of Music VI: Contemporary	3 credits

6 credits of Music History (all of):

MUSI 3553	History of Jazz and Pop Music	3 credits
MUSI 3653	World Music	3 credits

8 credits of Studio Lessons (all of):

MUSI 3557	Major Instrument - Concentration V	2 credits
MUSI 3657	Major Instrument - Concentration VI	2 credits
MUSI 4757	Major Instrument - Concentration VII	2 credits
MUSI 4857	Major Instrument - Concentration VIII	2 credits

8 credits of Ensemble

All of:

MUSI 3567	Kwantlen Strings V	2 credits
MUSI 3667	Kwantlen Strings VI	2 credits
MUSI 4767	Kwantlen Strings VII	2 credits

MUSI 4867	Kwantlen Strings VIII	2 credits
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Or all of:

MUSI 3568	Kwantlen Wind Ensemble V	2 credits
MUSI 3668	Kwantlen Wind Ensemble VI	2 credits
MUSI 4768	Kwantlen Wind Ensemble VII	2 credits
MUSI 4868	Kwantlen Wind Ensemble VIII	2 credits

Or all of:

MUSI 3569	Kwantlen Chorus V	2 credits
MUSI 3669	Kwantlen Chorus VI	2 credits
MUSI 4769	Kwantlen Chorus VII	2 credits
MUSI 4869	Kwantlen Chorus VIII	2 credits

Or all of:

MUSI 3571	Guitar Chamber Ensemble V	2 credits
MUSI 3671	Guitar Chamber Ensemble VI	2 credits
MUSI 4771	Guitar Chamber Ensemble VII	2 credits
MUSI 4871	Guitar Chamber Ensemble VIII	2 credits

And both of:

MUSI 3512	The Business of Music	3 credits
MUSI 3551	Conducting I	3 credits

And 12 credits of Non-Music Electives:

Any course number 1100 or higher not in the MUSI subject area. 12 credits

And 6 additional credits of Music Electives:

Any MUSI 3000 or higher course not already included in the program 6 credits

Major Without Concentration

To complete their degree, students who choose not to complete one of the Concentrations listed below, must complete an additional four (4) credits of Music Electives (MUSI 3000 or higher courses).

Studio Pedagogy Concentration

Students must complete a total of 136 credits, including:

- The General Studies Lower Level and Upper Level Requirements (118 credits),
- Plus 18 additional concentration credits.

Course work must include all of:

MUSI 3502	Computer Applications in Music Education	3 credits
MUSI 3586	Introduction to Music Pedagogy	3 credits
MUSI 3686	Approaches to Music Education	3 credits
MUSI 3688	Studio Pedagogy I	2 credits
MUSI 4788	Studio Pedagogy II	2 credits

MUSI 4888	Studio Pedagogy III	2 credits
MUSI 4899	Music Practicum	3 credits

Music Education Concentration

Students must complete a total of 136 credits, including:

- The General Studies Lower Level and Upper Level Requirements (118 credits),
- Plus 18 additional concentration credits.

Course work must include all of:

MUSI 3502	Computer Applications in Music Education	3 credits
MUSI 3586	Introduction to Music Pedagogy	3 credits
MUSI 3686	Approaches to Music Education	3 credits
MUSI 4786	Ensemble Rehearsal Techniques	3 credits
MUSI 4899	Music Practicum	3 credits

And one of:

MUSI 4751	Conducting II: Instrumental	3 credits
MUSI 4752	Conducting II: Choral	3 credits

Jazz Studies Concentration

Students must complete a total of 141 credits, including:

- The General Studies Lower Level and Upper Level Requirements (118 credits),
- Plus 23 additional concentration credits.

Course work must include all of:

MUSI 3590	Orchestration and Arranging	3 credits
MUSI 3591	Composition	3 credits
MUSI 4790	Arranging for Small Ensembles	3 credits
MUSI 3535	Jazz Improvisation I	1.5 credits
MUSI 3635	Jazz Improvisation II	1.5 credits
MUSI 4735	Jazz Improvisation III	1.5 credits
MUSI 4835	Jazz Improvisation IV	1.5 credits

And either all of:

MUSI 3577	Jazz Band V	2 credits
MUSI 3677	Jazz Band VI	2 credits
MUSI 4777	Jazz Band VII	2 credits
MUSI 4877	Jazz Band VIII	2 credits

Or all of:

MUSI 3578	Jazz Combo V	2 credits
MUSI 3678	Jazz Combo VI	2 credits
MUSI 4778	Jazz Combo VII	2 credits
MUSI 4878	Jazz Combo VIII	2 credits

Composition Concentration

Students must complete a total of 136 credits, including:

- The General Studies Lower Level and Upper Level Requirements (118 credits),
- Plus 18 additional concentration credits.

Course work must include all of:

MUSI 3590	Orchestration and Arranging	3 credits
MUSI 3591	Composition	3 credits
MUSI 4790	Arranging for Small Ensembles	3 credits
MUSI 4791	Contemporary Composition	3 credits
MUSI 3691	Song and Lyric Writing	3 credits
MUSI 3602	Audio Recording and Production Techniques	3 credits

OTHER INFORMATION

Private Lessons

Students may major in one of the following: piano, voice, strings, woodwinds, brass, guitar, or percussion. Private lessons are generally available only to students enrolled full time in the music programs.

Secondary Lessons

Students may be eligible for secondary lessons only if they have successfully met all Keyboard Skills requirements (covered in MUSI 1154, 1254, 2354, 2454).

Private Lesson and Chamber Ensemble Policies and Fees

To be eligible for private lessons, a student must demonstrate commitment to the Music Program by enrolling in a minimum of 9 credits per semester—excluding the lessons themselves. Part-time Music students must consult with the music chair regarding their private instruction options.

Like other post-secondary music programs, KPU charges a private lesson fee in addition to tuition. This is a separate fee, rather than a hidden cost. It is calculated according to the length of the lesson, as follows:

- ½ hour – \$75/semester
- 1 hour – \$125/semester
- 1½ hours – \$175/semester

To offset the cost of the unique chamber ensemble component of the KPU Music Program, a nominal user fee (\$100) is added to the cost of tuition for each chamber ensemble that a student elects or is required to take.

CREDENTIAL AWARDED

Upon successful completion of the major program, students are eligible to receive a **Bachelor of Music in Musical Arts**. Transcripts will indicate a **Major in General Studies**.

Music: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Music	kpu.ca/arts/music
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Music.

Note: First semester MUSI courses require students in the Associate Degree to obtain permission to register. This may include a requirement to complete the KPU Music Placement test. Please contact the Music Department at 604.599.3315, or music@kpu.ca.

Prospective music students should attend an information session where all program and application procedures will be explained. For more information, please contact the Music Department at 604.599.3315, or music@kpu.ca.

Please note: The Associate Degree in Music does not include private lessons (e.g., MUSI 1157).

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree students are required to complete at least 32 credits of MUSI courses at the 1100- and 2000-level, with a minimum grade of C in each course, including:

All of:

Semester 1 (Offered in September)

MUSI 1150	The Language of Music I	3 credits
MUSI 1151*	Aural Musicianship I	2 credits
MUSI 1153	History of Music I: Antiquity to 1600	3 credits

Semester 2 (Offered in January)

MUSI 1250	The Language of Music II	3 credits
MUSI 1251*	Aural Musicianship II	2 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits

Semester 3 (Offered in September)

MUSI 2350	The Language of Music III	3 credits
MUSI 2351*	Aural Musicianship III	2 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits

Semester 4 (Offered in January)

MUSI 2450	The Language of Music IV	3 credits
MUSI 2451*	Aural Musicianship IV	3 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits

* **Note:** These courses have co-requisites which must be taken concurrently or in a prior semester.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Music**.

Music: Diploma

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

All prospective music students apply to enter the Bachelor of Music in Musical Arts Degree. Those students who wish to graduate with a Diploma in Music may apply after completing one of six concentrations.

The Diplomas in Music are two-year, four-semester programs totaling 60–74 credits. Each concentration is designed to help students develop their abilities in both academic and applied studies. All students receive four semesters of private instruction on their chosen instrument and participate in a large ensemble each semester. The core curriculum is augmented by electives chosen by the student in consultation with a faculty advisor.

The facilities at the Langley Campus have been designed to accommodate music instruction in orchestral, band, choral, and chamber music, as well as solo performance.

Intake occurs once a year in September for full-time program students. It is expected that most students will enroll in a full-time program, but part-time participation will be allowed subject to seat availability and the fulfillment of the course prerequisites.

Credit for courses completed at other institutions may be transferred subject to the approval of the music chair. As well, first time registration for some courses may be allowed in January subject to the approval of the music chair and fulfillment of any course prerequisites.

Diploma Concentrations

There are six concentrations within the Diploma program:

- Comprehensive Studies
- Guitar Performance
- Orchestral Instrument Performance
- Piano Performance
- Vocal Performance
- General Studies

Students apply to the Bachelor of Music in Musical Arts Degree; they may declare their Diploma concentration later.

Foundation Courses

Applicants who demonstrate musical talent but have not established a thorough grounding in the practical skills and general knowledge of music at the appropriate level may be given the opportunity to register in one or more foundation courses to

upgrade specific musical and technical skills. The Foundation courses include:

- Rudiments in Music (i.e., Theory)
- Listening to Music (i.e., Introduction to Music History)
- Studio Lessons (i.e., Private Lessons)

PROGRAM ADMISSION REQUIREMENTS

Note: Students wishing to pursue the Music Diploma should apply directly to the Bachelor of Music in Musical Arts (BMMA) program.

Upon successful completion of the diploma requirements, BMMA students are eligible to receive a Diploma in Music.

PROGRAM REQUIREMENTS

Comprehensive Studies Concentration

This concentration provides a solid foundation in the academic, theoretical, and practical areas of music. The 68-credit curriculum includes all courses necessary for continuation into a Bachelor of Music degree program. Graduates can go on to further studies in the fields of music theory, composition, history, education or the arts in general.

To complete the Diploma in Music with a concentration in Comprehensive Studies, students must successfully complete:

Semester 1

All of:

MUSI 1150	The Language of Music I	3 credits
MUSI 1151	Aural Musicianship I	2 credits
MUSI 1153	History of Music I: Antiquity to 1600	3 credits
MUSI 1157	Major Instrument Concentration - I	2 credits

A non-music elective

An English course, numbered 1100 or higher

One of:

MUSI 1154	Keyboard Skills I	1 credit
MUSI 1155	Secondary Instrument - I*	1 credit

One of:

MUSI 1167	Kwantlen String Orchestra I	2 credits
MUSI 1168	Kwantlen Wind Ensemble I	2 credits
MUSI 1169	Kwantlen Chorus I	2 credits

Semester 2

All of:

MUSI 1250	The Language of Music II	3 credits
MUSI 1251	Aural Musicianship II	2 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits

MUSI 1257 Major Instrument - Concentration - II 2 credits

A non-music elective

An English course, numbered 1100 or higher

One of:

MUSI 1254 Keyboard Skills II 1 credit

MUSI 1255 Secondary Instrument - II* 1 credit

One of:

MUSI 1267 Kwantlen String Orchestra II 2 credits

MUSI 1268 Kwantlen Wind Ensemble II 2 credits

MUSI 1269 Kwantlen Chorus II 2 credits

Semester 3

All of:

MUSI 2350 The Language of Music III 3 credits

MUSI 2351 Aural Musicianship III 2 credits

MUSI 2353 History of Music III: 1800 to 1900 3 credits

MUSI 2357 Major Instrument Concentration - III 2 credits

Two non-music electives, totaling 6 credits

One of:

MUSI 2354 Keyboard Skills III 1 credit

MUSI 2355 Secondary Instrument* 1 credit

One of:

MUSI 2367 Kwantlen String Orchestra III 2 credits

MUSI 2368 Kwantlen Wind Ensemble III 2 credits

MUSI 2369 Kwantlen Chorus III 2 credits

Semester 4

All of:

MUSI 2450 The Language of Music IV 3 credits

MUSI 2451 Aural Musicianship IV 2 credits

MUSI 2453 History of Music IV: 1900 To The Present 3 credits

MUSI 2457 Major Instrument Concentration- IV 2 credits

Two non-music electives, totaling 6 credits

One of:

MUSI 2454 Keyboard Skills IV 1 credit

MUSI 2455 Secondary Instrument - IV * 1 credit

One of:

MUSI 2467 Kwantlen String Orchestra IV 2 credits

MUSI 2468 Kwantlen Wind Ensemble IV 2 credits

MUSI 2469 Kwantlen Chorus IV 2 credits

***Note:** Upon graduation from the Diploma-Comprehensive Studies, all students must be able to demonstrate piano proficiency (including repertoire, sight reading, score reading) and knowledge of keyboard harmony skills equivalent to MUSI 2454. Enrolling in MUSI 1154-2454 Class Piano normally fulfills this. A student may choose to demonstrate proficiency in the required material at the beginning of each semester and, if successful, may be given permission to enrol in MUSI 1155-2455 Secondary Instrument.

Guitar Performance Concentration

The guitar performance concentration is designed for musically and technically advanced students who plan to enter the field of performance. Graduates may continue to complete a Bachelor of Music degree and pursue graduate study. They may enter careers in public performance and teaching (university, conservatory, or private studio). Eligibility for the performance program is determined by audition.

To complete the Diploma in Music with a concentration in Guitar Performance, students must successfully complete:

Semester 1

All of:

MUSI 1150 The Language of Music I 3 credits

MUSI 1151 Aural Musicianship I 2 credits

MUSI 1153 History of Music I: Antiquity to 1600 3 credits

MUSI 1156 Major Instrument Applied -I 3 credits

MUSI 1171 Guitar Chamber Ensemble I 2 credits

An English course, numbered 1100 or higher

One of:

MUSI 1154 Keyboard Skills I 2 credits

MUSI 1155 Secondary Instrument - I* 2 credits

One of:

MUSI 1167 Kwantlen String Orchestra I 2 credits

MUSI 1168 Kwantlen Wind Ensemble I 2 credits

MUSI 1169 Kwantlen Chorus I 2 credits

Semester 2

All of:

MUSI 1250 The Language of Music II 3 credits

MUSI 1251 Aural Musicianship II 2 credits

MUSI 1253 History of Music II: 1600 to 1800 3 credits

MUSI 1256 Major Instrument - Performance II 3 credits

MUSI 1271 Guitar Chamber Ensemble II 2 credits

An English course, numbered 1100 or higher

One of:

MUSI 1254 Keyboard Skills II (Title change: Jan. 2005) 1 credits

MUSI 1255 Secondary Instrument - II* 1 credits

One of:

MUSI 1267	Kwantlen String Orchestra II	2 credits
MUSI 1268	Kwantlen Wind Ensemble II	2 credits
MUSI 1269	Kwantlen Chorus II	2 credits

Semester 3**All of:**

MUSI 2350	The Language of Music III	3 credits
MUSI 2351	Aural Musicianship III	2 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits
MUSI 2356	Major Instrument Applied - III	3 credits
MUSI 2371	Guitar Chamber Ensemble III	2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2354	Keyboard Skills III	1 credits
MUSI 2355	Secondary Instrument*	1 credits

One of:

MUSI 2367	Kwantlen String Orchestra III	2 credits
MUSI 2368	Kwantlen Wind Ensemble III	2 credits
MUSI 2369	Kwantlen Chorus III	2 credits

Semester 4**All of:**

MUSI 2450	The Language of Music IV	3 credits
MUSI 2451	Aural Musicianship IV	2 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits
MUSI 2456	Major Instrument - Performance IV	3 credits
MUSI 2471	Guitar Chamber Ensemble IV	2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2454	Keyboard Skills IV (Title change: Jan. 2005)	1 credits
MUSI 2455	Secondary Instrument - IV*	1 credits

One of:

MUSI 2467	Kwantlen String Orchestra IV	2 credits
MUSI 2468	Kwantlen Wind Ensemble IV	2 credits
MUSI 2469	Kwantlen Chorus IV	2 credits

Music Electives:

MUSI 1133	Fretboard Studies I	2 credits
MUSI 1233	Fretboard Studies II	2 credits

* **Note:** Upon graduation from the Guitar Performance concentration, all students must be able to demonstrate piano proficiency (including repertoire, sight reading, score reading) and knowledge of keyboard harmony skills equivalent to MUSI 2454. Enrolling in MUSI 1154-2454 Class Piano normally fulfills this. A

student may choose to demonstrate proficiency in the required material at the beginning of each semester and, if successful, may be given permission to enrol in MUSI 1155-2455 Secondary Instrument.

Orchestral Instrument Performance Concentration

The orchestral instrument performance concentration is designed for musically and technically advanced students who plan to enter the field of performance. Graduates may continue to complete a Bachelor of Music degree and pursue graduate study. They may enter careers in public performance and teaching (university, conservatory, or private studio). Eligibility for the performance program is determined by audition.

To complete the Diploma in Music with a concentration in Orchestral Instrument Performance, students must successfully complete:

Semester 1**All of:**

MUSI 1150	The Language of Music I	3 credits
MUSI 1151	Aural Musicianship I	2 credits
MUSI 1153	History of Music I: Antiquity to 1600	3 credits
MUSI 1156	Major Instrument Applied	3 credits

One of:

MUSI 1173	Percussion Ensemble I	2 credits
MUSI 1174	Woodwind Ensemble I	2 credits
MUSI 1175	Brass Ensemble I	2 credits
MUSI 1179	String Chamber Ensemble I	2 credits

An English course, numbered 1100 or higher

One of:

MUSI 1154	Keyboard Skills I	1 credits
MUSI 1155	Secondary Instrument – I*	1 credits

One of:

MUSI 1167	Kwantlen String Orchestra I	2 credits
MUSI 1168	Kwantlen Wind Ensemble I	2 credits

Semester 2**All of:**

MUSI 1250	The Language of Music II	3 credits
MUSI 1251	Aural Musicianship II	2 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits
MUSI 1256	Major Instrument - Performance II	3 credits

One of:

MUSI 1273	Percussion Ensemble II	2 credits
MUSI 1274	Woodwind Ensemble II	2 credits
MUSI 1275	Brass Ensemble II	2 credits

MUSI 1279 String Chamber Ensemble II 2 credits
An English course, numbered 1100 or higher

One of:

MUSI 1254 Keyboard Skills II 1 credits
MUSI 1255 Secondary Instrument – II* 1 credits

One of:

MUSI 1267 Kwantlen String Orchestra II 2 credits
MUSI 1268 Kwantlen Wind Ensemble II 2 credits

Semester 3

All of:

MUSI 2350 The Language of Music III 3 credits
MUSI 2351 Aural Musicianship III 2 credits
MUSI 2353 History of Music III: 1800 to 1900 3 credits
MUSI 2356 Major Instrument Applied – III 3 credits

One of:

MUSI 2373 Percussion Ensemble III 2 credits
MUSI 2374 Woodwind Ensemble III 2 credits
MUSI 2375 Brass Ensemble III 2 credits
MUSI 2379 String Chamber Ensemble III 2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2354 Keyboard Skills III 1 credits
MUSI 2355 Secondary Instrument III* 1 credits

One of:

MUSI 2367 Kwantlen String Orchestra III 2 credits
MUSI 2368 Kwantlen Wind Ensemble III 2 credits

Semester 4

All of:

MUSI 2450 The Language of Music IV 3 credits
MUSI 2451 Aural Musicianship IV 2 credits
MUSI 2453 History of Music IV: 1900 To The Present 3 credits
MUSI 2456 Major Instrument - Performance IV 3 credits

One of:

MUSI 2473 Percussion Ensemble IV 2 credits
MUSI 2474 Woodwind Ensemble IV 2 credits
MUSI 2475 Brass Ensemble IV 2 credits
MUSI 2479 String Chamber Ensemble IV 2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2454 Keyboard Skills IV 1 credits
MUSI 2455 Secondary Instrument – IV* 1 credits

One of:

MUSI 2467 Kwantlen String Orchestra IV 2 credits
MUSI 2468 Kwantlen Wind Ensemble IV 2 credits

*** Note:** Upon graduation from the Orchestral Instrument Performance concentration, all students must be able to demonstrate piano proficiency (including repertoire, sight reading, score reading) and knowledge of keyboard harmony skills equivalent to MUSI 2454. Enrolling in MUSI 1154-2454 Class Piano normally fulfills this. A student may choose to demonstrate proficiency in the required material at the beginning of each semester and, if successful, may be given permission to enrol in MUSI 1155-2455 Secondary Instrument.

Piano Performance Concentration

The performance concentration is designed for musically and technically advanced students who plan to enter the field of performance. Graduates may continue to complete a Bachelor of Music degree and pursue graduate study. They may enter careers in public performance and teaching (university, conservatory, or private studio). Eligibility for the performance program is determined by audition.

To complete the Diploma in Music with a concentration in Piano Performance, students must successfully complete:

Semester 1

All of:

MUSI 1150 The Language of Music I 3 credits
MUSI 1151 Aural Musicianship I 2 credits
MUSI 1153 History of Music I: Antiquity to 1600 3 credits
MUSI 1156 Major Instrument Applied 3 credits
MUSI 1158 Piano Repertoire I: The Baroque Period 2 credits
MUSI 1172 Piano Chamber Ensemble I 2 credits

An English course, numbered 1100 or higher

One of:

MUSI 1167 Kwantlen String Orchestra I 2 credits
MUSI 1168 Kwantlen Wind Ensemble I 2 credits
MUSI 1169 Kwantlen Chorus I 2 credits

Semester 2

All of :

MUSI 1250 The Language of Music II 3 credits
MUSI 1251 Aural Musicianship II 2 credits
MUSI 1253 History of Music II: 1600 to 1800 3 credits

MUSI 1256	Major Instrument - Performance II	3 credits
MUSI 1258	Piano Repertoire II: The Classical Period	2 credits
MUSI 1272	Piano Chamber Ensemble II	2 credits

An English course, numbered 1100 or higher

One of :

MUSI 1267	Kwantlen String Orchestra II	2 credits
MUSI 1268	Kwantlen Wind Ensemble II	2 credits
MUSI 1269	Kwantlen Chorus II	2 credits

Semester 3

All of :

MUSI 2350	The Language of Music III	3 credits
MUSI 2351	Aural Musicianship III	2 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits
MUSI 2356	Major Instrument Applied - III	3 credits
MUSI 2358	Piano Repertoire III: The Romantic Period	2 credits
MUSI 2372	Piano Chamber Ensemble III	2 credits

One non-music elective, totaling 3 credits

One of :

MUSI 2367	Kwantlen String Orchestra III	2 credits
MUSI 2368	Kwantlen Wind Ensemble III	2 credits
MUSI 2369	Kwantlen Chorus III	2 credits

Semester 4

All of :

MUSI 2450	The Language of Music IV	3 credits
MUSI 2451	Aural Musicianship IV	2 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits
MUSI 2456	Major Instrument - Performance IV	3 credits
MUSI 2458	Piano Repertoire IV: The Twentieth Century	2 credits
MUSI 2472	Piano Chamber Ensemble IV	2 credits

One non-music elective, totaling 3 credits

One of :

MUSI 2467	Kwantlen String Orchestra IV	2 credits
MUSI 2468	Kwantlen Wind Ensemble IV	2 credits
MUSI 2469	Kwantlen Chorus IV	2 credits

Vocal Performance Concentration

The performance concentration is designed for musically and technically advanced students who plan to enter the field of performance. Graduates may continue to complete a

Bachelor of Music degree and pursue graduate study. They may enter careers in public performance and teaching (university, conservatory, or private studio). Eligibility for the performance program is determined by audition.

To complete the Diploma in Music with a concentration in Vocal Performance, students must successfully complete:

Semester 1

All of:

MUSI 1150	The Language of Music I	3 credits
MUSI 1151	Aural Musicianship I	2 credits
MUSI 1153	History of Music I: Antiquity to 1600	3 credits
MUSI 1156	Major Instrument Applied	3 credits
MUSI 1169	Kwantlen Chorus I	2 credits

An English course, numbered 1100 or higher

A German language course

One of:

MUSI 1154	Keyboard Skills I	1 credits
MUSI 1155	Secondary Instrument - I*	1 credits

Semester 2

All of:

MUSI 1250	The Language of Music II	3 credits
MUSI 1251	Aural Musicianship II	2 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits
MUSI 1256	Major Instrument - Performance II	3 credits
MUSI 1269	Kwantlen Chorus II	2 credits

An English course, numbered 1100 or higher

A German language course

One of:

MUSI 1254	Keyboard Skills II	1 credits
MUSI 1255	Secondary Instrument - II*	1 credits

Semester 3

All of:

MUSI 2350	The Language of Music III	3 credits
MUSI 2351	Aural Musicianship III	2 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits
MUSI 2356	Major Instrument Applied - III	3 credits
MUSI 2359	Lyric Diction I	1 credits
MUSI 2369	Kwantlen Chorus III	2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2354	Keyboard Skills III	1 credits
MUSI 2355	Secondary Instrument - III*	1 credits

Semester 4

All of:

MUSI 2450	The Language of Music IV	3 credits
MUSI 2451	Aural Musicianship IV	2 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits
MUSI 2456	Major Instrument - Performance IV	3 credits
MUSI 2459	Lyric Diction II	1 credits
MUSI 2469	Kwantlen Chorus IV	2 credits

One non-music elective, totaling 3 credits

One of:

MUSI 2454	Keyboard Skills IV	1 credits
MUSI 2455	Secondary Instrument - IV*	1 credits

* **Note:** Upon graduation from the Vocal Performance concentration, all students must be able to demonstrate piano proficiency (including repertoire, sight reading, score reading) and knowledge of keyboard harmony skills equivalent to MUSI 2454. Enrolling in MUSI 1154-2454 Class Piano normally fulfills this. A student may choose to demonstrate proficiency in the required material at the beginning of each semester and, if successful, may be given permission to enrol in MUSI 1155-2455 Secondary Instrument.

General Studies Concentration

This concentration provides a broad education in music, integrating theoretical, historical, and performance studies while enabling students to master the skills needed for a wide array of professions. The core curriculum consists of 46 music credits. The student supplements with a further 14 credits of electives that must include a minimum of 9 non-music undergraduate credits*. Through a careful choice of electives, this concentration can lead to further study in liberal arts, music therapy, music education, business and arts management.

To complete the Diploma in Music with a concentration in General Studies, students must successfully complete:

Four courses (12 credits) in Music Theory selected from:

MUSI 1100	Rudiments of Music I	3 credits
MUSI 1150	The Language of Music I	3 credits
MUSI 1200	Rudiments of Music II	3 credits
MUSI 1250	The Language of Music II	3 credits
MUSI 2350	The Language of Music III	3 credits
MUSI 2450	The Language of Music IV	3 credits

Two courses (4 credits) in Aural Musicianship selected from:

MUSI 1151	Aural Musicianship I	2 credits
MUSI 1251	Aural Musicianship II	2 credits
MUSI 2351	Aural Musicianship III	2 credits
MUSI 2451	Aural Musicianship IV	2 credits

Four courses (12 credits) in Music History selected from:

MUSI 1103	Listening To Music I	3 credits
MUSI 1153	History of Music I: Antiquity to 1600	3 credits
MUSI 1203	Listening To Music II	3 credits
MUSI 1253	History of Music II: 1600 to 1800	3 credits
MUSI 2353	History of Music III: 1800 to 1900	3 credits
MUSI 2453	History of Music IV: 1900 To The Present	3 credits

Two courses (2 credits) in Keyboard Skills† selected from:

MUSI 1154	Keyboard Skills I	1 credit
MUSI 1254	Keyboard Skills II	1 credit
MUSI 2354	Keyboard Skills III	1 credit
MUSI 2454	Keyboard Skills IV	1 credit

Four Private Music Instruction‡ courses (8 credits) selected from:

MUSI 1105	Major Instrument - Foundation I	2 credits
MUSI 1157	Major Instrument - Concentration I	2 credits
MUSI 1205	Major Instrument - Foundation II	2 credits
MUSI 1257	Major Instrument - Concentration II	2 credits
MUSI 2357	Major Instrument - Concentration III	2 credits
MUSI 2457	Major Instrument - Concentration IV	2 credits

Four Large Ensemble courses (8 credits) selected from:

MUSI 1167	Kwantlen Strings I	2 credits
MUSI 1168	Kwantlen Wind Ensemble I	2 credits
MUSI 1169	Kwantlen Chorus I	2 credits
MUSI 1267	Kwantlen Strings II	2 credits
MUSI 1268	Kwantlen Wind Ensemble II	2 credits
MUSI 1269	Kwantlen Chorus II	2 credits
MUSI 2367	Kwantlen Strings III	2 credits
MUSI 2368	Kwantlen Wind Ensemble III	2 credits

MUSI 2369	Kwantlen Chorus III	2 credits
MUSI 2467	Kwantlen Strings IV	2 credits
MUSI 2468	Kwantlen Wind Ensemble IV	2 credits
MUSI 2469	Kwantlen Chorus IV	2 credits

CREDENTIAL AWARDED

Upon successful completion of their concentration, students are eligible to receive a **Diploma in Music**.

The 9 credits of non-music electives may include any non-music undergraduate courses offered at KPU. Music electives may be any other diploma-level music courses (MUSI 1100 and higher). The following is a partial list of music electives: Music and Computers; Introduction to the Music Industry; and various small chamber ensembles (Jazz Combo, Percussion Ensemble, etc.).

Selected courses within the diploma program may be applied to third-year entry into the BMMA program.

Notes:

* It is strongly recommended that students take ENGL 1100, if they are considering any degree program upon completion of the Diploma in Music - General Studies Concentration.

† Students with keyboard experience may be excused from one or both of the these courses, depending on the level of proficiency already achieved. In that case, secondary instruction in piano or other suitable instrument will be required. This will be achieved by completing MUSI 1155 and 1255. In addition, piano majors may apply for a course substitution totaling a minimum of 2 credits.

‡ Students may request a course substitution of one or all of MUSI 1156, 1256, 2356, and 2456 for any of the private music instruction courses.

OTHER INFORMATION

Private Lessons

Students may major in one of the following: piano, voice, strings, woodwinds, brass, guitar, or percussion. Private lessons are generally available only to students enrolled full time in the music programs.

Secondary Lessons

Students may be eligible for secondary lessons only if they have successfully met all Keyboard Skills requirements (covered in MUSI 1154, 1254, 2354, 2454).

Private Lesson and Chamber Ensemble Policies and Fees

To be eligible for private lessons, a student must demonstrate commitment to the Music Program by enrolling in a minimum of 9 credits per semester—excluding the lessons themselves. Part-time Music students must consult with the music chair regarding their private instruction options.

Like other post-secondary music programs, KPU charges a private lesson fee in addition to tuition. This is a separate fee, rather than a hidden cost. It is calculated according to the length of the lesson, as follows:

- ½ hour – \$300/semester
- 1 hour – \$500/semester
- 1½ hours – \$700/semester

To offset the cost of the unique chamber ensemble component of the KPU Music Program, a nominal user fee (\$100) is added to the cost of tuition for each chamber ensemble that a student elects or is required to take.

Non-Governmental Organizations and Nonprofit Studies: Certificate

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2014
Start Date(s)	September January May
Admission Type	Not applicable
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey Online
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Certificate in NGO (Non-Governmental Organizations) and Nonprofit Studies at Kwantlen Polytechnic University is unique to this region, and is distinct from other nonprofit management programs in that it offers the following:

- 30-credit program available directly out of high school
- Program structure that bridges the **Faculty of Arts** and the **Faculty of Business**
- Broad inclusion of local human rights, environmental, and advocacy organizations in BC's Lower Mainland

Rather than developing an exclusive overseas / development focus, our program recognizes the depth of learning that can take place right here in greater Vancouver. This sector has been steadily growing for more than fifty years, at times outpacing the growth of Canada's economy as a whole. Kwantlen Polytechnic University identifies with the innovation characteristic of this sector, and is eager to move a new generation of learners into work in this area.

The educational experience is designed to address the NACC (Nonprofit Academic Centers Council) Curricular Guidelines for Undergraduate Study in Nonprofit Leadership, the Nonprofit Sector and Philanthropy (2007), and prepares students for voluntary and entry-level work at nonprofit organizations and NGOs. Students will acquire practical and up-to-date skills, including an introduction to Imagine Canada's Standards Program, Canada Revenue Agency guidelines for the nonprofit sector, and the following skills and methods:

1. Skill sets: Marketing, minute-taking, database work, presenting, blogging, reporting, academic research and writing, literature reviews, fundraising principles
2. Methods: Participant-observation, qualitative methods, interviewing, cross-cultural understanding, face-to-face field methods, mapping, critical analysis, ethics and advocacy

There are a wide range of jobs in the nonprofit sector in Canada and the U.S., with salaries varying greatly depending on skills, experience, and region. These organizations serve a broad

mandate, addressing humanitarian issues, environmental problems, human rights issues, development efforts, and the problems experienced by marginalized populations. There is an increasing move towards professionalization in this area, and KPU's targeted introduction to disciplines in both the Faculty of Arts and the Faculty of Business ensures that graduates have covered comparative perspectives on civil society, voluntary action and philanthropy, as well as key aspects of financial management and accountability.

STUDENT PROFILE

The Certificate in NGO and Nonprofit Studies is readily accessible to recent high school graduates who are passionate about social change and interested in pursuing one of the many volunteer opportunities available in the sector. The program also welcomes mature students who are undertaking career changes, and those already working in the sector whose retention depends on the availability of further education pathways. Given the global salience of the term 'NGO', the program is also well suited to International students. At KPU, the quick turn-around (30 credits) and **community service learning partnerships** with local nonprofit organizations mean students can learn about the sector early on and get into the field as soon as possible. Students may start fulfilling Certificate requirements directly upon entering, or may choose to complete the Certificate in NGO and Nonprofit Studies while pursuing a Bachelor of Arts (BA) or Bachelor of Business Administration (BBA) degree, or programs in other areas of the university.

PROGRAM ADMISSION REQUIREMENTS

Note: Students wishing to pursue the Certificate in Non-Governmental Organizations and Nonprofit Studies should apply to one of KPU's undergraduate programs.

PROGRAM REQUIREMENTS

Students must complete a total of 30 credits as described below:

All of:

ANTH 1100	Social & Cultural Anthropology	3 credits
ANTH 2190	Non-Governmental Organizations in Context	3 credits
ANTH 3190	Non-Governmental Organizations in Practice	3 credits
BUSI 1110	Fundamentals of Business in Canada	3 credits
MRKT 1199	Introduction to Marketing	3 credits

And two of:

GEOG 1101	Human Geography	3 credits
JRNL 1160	Introduction to Journalism	3 credits
POLI 1110	Ideology and Politics	3 credits
POLI 1120	Canadian Government and Politics	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

And one of:

CMNS 1140	Introduction to Professional Communication	3 credits
ENGL 1100	Introduction to University Writing	3 credits

And two of:

ACCT 1110	Introductory Financial Accounting I	3 credits
ANTH 2120	Cross-Cultural Women's and Gender Studies	3 credits
ANTH 2160	Culture and the Environment	3 credits
BUSI 1215	Organizational Behaviour	3 credits
GEOG 2400	Introduction to GIS	3 credits
POLI 1150	Introduction to International Relations	3 credits
SOCI 2311	Social Justice in the Global and Local Contexts	3 credits
POST 1100 or PHIL 1111	Sustainability: Analysis and Ethics	3 credits
	Or any of the required course options not chosen already	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Non-Governmental Organizations and Nonprofit Studies**.

Philosophy: Bachelor of Arts Honours, Major, and Minor

Faculty of Arts	kpu.ca/arts
Philosophy	kpu.ca/arts/philosophy
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The philosophy major at Kwantlen Polytechnic University provides students a broad-based, general education in the principal areas of Western Philosophy. Philosophy majors will complete courses in logic, epistemology, metaphysics, ethics, and history of philosophy. The program is expressly set up to satisfy a variety of additional pedagogical and intellectual objectives, chief among these being the development of critical reasoning and writing skills, both in general and with regard to specialized research in the discipline. Philosophy majors at KPU will experience a learning environment that is supportive and challenging. It is one that prepares students for graduate work in philosophy. It develops effective citizenship, community leadership and the critical reasoning, writing and problem-solving skills required for successful careers in any area.

The Bachelor of Arts Major in Philosophy provides students the opportunity to build a sturdy educational foundation in one of the core areas of the Humanities. All majors take formal logic. At the 2000-level, five courses in philosophy are obligatory: Moral Theory (the study of the nature of right and wrong), Metaphysics (the study of the nature of reality), Epistemology (the study of the nature and limits of knowledge), Ancient Greek Philosophy and Modern Philosophy. Completing the major requires successful participation in a minimum of six courses at the 3000 and two at the 4000 level. Completing the minor in Philosophy requires Metaphysics and Epistemology at the 2000 level and five courses at the 3000 or 4000 level.

Third- and fourth-year students will have the following options: to take smaller, more participatory courses in Special Topics in Philosophy; to pursue an Applied Ethics Stream by taking specially designed courses in Business, Environmental, and Biomedical Ethics; to participate in a Practicum course where research and work skills are enhanced; and to apply to a selective sequence of honours courses with a focus on researching and writing an honours thesis.

CAREER OPPORTUNITIES

A philosophy major is a practical choice. A good reason to major in philosophy is that philosophy students develop skills that are transferable to a wide range of careers and professions,

particularly including business and law. Philosophy students learn how to identify assumptions, raise critical questions, and formulate creative, principled strategies for addressing complex problems. They develop expertise in structuring arguments, writing precisely and clearly, and communicating their ideas in an orderly, persuasive, and unambiguous way. Philosophy courses, in general, teach students how to read, comprehend, and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer and independent thinker.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Honours Admission:

Students with a record of exceptional academic performance may apply to enter the Philosophy Major, or Philosophy Major Applied Ethics Stream, Honours Program. Applicants must meet the following requirements:

- at least 60 credits of university-level coursework with a minimum cumulative GPA of 3.0
- at least 24 of the 60 credits must be university-level philosophy coursework with a minimum cumulative GPA of 3.67.

The above are minimum requirements that do not guarantee entrance into the Honours Program. In exceptional situations, the department may consider applications from students who do not meet the minimum requirements, if mitigating circumstances exist. Such applications will be reviewed on a case-by-case basis.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Philosophy Honours

The following are the requirements for the Philosophy Honours program.

In addition to the requirements of the Major in Philosophy, or the Major in Philosophy Applied Ethics Stream, students enrolled in the Honours Program must successfully complete two honours courses. The purpose of these courses is to lead to the production of an undergraduate thesis – a major research accomplishment.

Students choosing the Honours degree, must take the following in lieu of 2 electives:

PHIL 3900	Honours Research and Thesis I	3 credits
PHIL 4900	Honours Research and Thesis II	3 credits

To qualify for the Philosophy Honours degree, students must have been admitted to the Honours program prior to earning the Philosophy degree. Students may receive either the Philosophy degree or the Philosophy Honours degree, but not both.

Philosophy Major

Requirements for the major in philosophy include the successful completion of a minimum of 48 credits in philosophy, of which at least 18 credits are at the 3rd year level, and at least 6 credits are at the 4th year level.

As part of the 48 credits in philosophy, majors must complete the following:

Logic Requirement - at least 3 credits:

PHIL 1150	Introduction to Formal Logic	3 credits
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History of Philosophy Requirement - at least 9 credits:

PHIL 2106	Ancient Greek Philosophy	3 credits
PHIL 2107	Modern Philosophy: Descartes to Kant	3 credits

3 further credits at the 3rd year or higher in the History of Philosophy (see list of courses by area below)

Metaphysics and Epistemology Requirement - at least 9 credits:

PHIL 2210	Epistemology	3 credits
PHIL 2215	Metaphysics	3 credits

3 further credits at the 3rd year or higher in Metaphysics or Epistemology (see list of courses by area below)

Ethics Requirement - at least 9 credits:

PHIL 2110	Moral Theory	3 credits
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One of the following:

PHIL 3109	Foundations in Ethics	3 credits
PHIL 3119	Contemporary Moral Theory	3 credits
PHIL 4110	Topics in Ethics	3 credits

3 further credits at the 3rd year or higher in Value Theory (see list of courses by area below)

APPLIED ETHICS STREAM

Besides the requirements for the philosophy major, students must complete at least 9 additional credits in Applied Ethics from the following:

PHIL 3118	Ethics and Public Policy	3 credits
PHIL 3510	Confronting Moral Issues: Bio-medical Ethics	3 credits

PHIL 3512	Confronting Moral Issues: The Natural Environment	3 credits
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PHIL 3533	Confronting Moral Issues: Business Ethics	3 credits
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Philosophy Minor

Students are required to complete a minimum of 30 PHIL credits to Minor in Philosophy. Students take at least 15 PHIL credits (5 courses) at the first or second year level which must include PHIL 2110, 2210 and PHIL 2215. Choose from the following list:

Students must complete at least 15 PHIL credits (5 courses) at the first or second year level which must include PHIL 2110, 2210 and PHIL 2215. Choose from the following list:

1000 Level

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1101	Philosophy, Culture, and Identity	3 credits
PHIL 1106	Introduction to Ancient and Medieval Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1111	Sustainability and Ethical Analysis	3 credits
PHIL 1112	Environmental Philosophy	3 credits
PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
PHIL 1155	Introduction to Scientific Reasoning	3 credits

2000 Level

PHIL 2106	Ancient Greek Philosophy	3 credits
PHIL 2107	Modern Philosophy: Descartes to Kant	3 credits
PHIL 2110	Moral Theory	3 credits
PHIL 2115	Asian Philosophy	3 credits
PHIL 2117	Social and Political Philosophy	3 credits
PHIL 2120	Philosophy of Religion	3 credits
PHIL 2150	Philosophical Paradoxes, Puzzles and Enigmas	3 credits
PHIL 2210	Epistemology	3 credits
PHIL 2215	Metaphysics	3 credits

Students must complete a minimum of 15 credits (5 courses) of 3000 and 4000 level PHIL courses. Any combination of courses from the list below will satisfy the Bachelor of Arts Minor in Philosophy program requirements.

3000 Level

PHIL 3033	Business Ethics	3 credits
PHIL 3040	Philosophy of Art	3 credits

PHIL 3100	Great Philosophers of the 20th Century	3 credits
PHIL 3101	20th Century Analytic Philosophy	3 credits
PHIL 3105	Life and Death	3 credits
PHIL 3109	Foundations of Ethics	3 credits
PHIL 3110	The Possibility of Knowledge	3 credits
PHIL 3118	Ethics and Public Policy	3 credits
PHIL 3119	Contemporary Moral Theory	3 credits
PHIL 3120	Free Will and Determinism	3 credits
PHIL 3150	Advanced Formal logic	3 credits
PHIL 3220	Empiricism	3 credits
PHIL 3225	Rationalism	3 credits
PHIL 3320	Personal Identity	3 credits
PHIL 3425	Language and Meaning	3 credits
PHIL 3430	Philosophy of Mind: Consciousness	3 credits
PHIL 3533	Confronting Moral Issues: Business Ethics	3 credits
4000 Level		
PHIL 4040	Topics in the Philosophy of Art	3 credits
PHIL 4110	Topics in Ethics Theory	3 credits
PHIL 4117	Topics in Social and Political Philosophy	3 credits
PHIL 4120	Topics in Philosophy of Religion	3 credits
PHIL 4210	Topics in Epistemology	3 credits
PHIL 4215	Topics in Metaphysics	3 credits
PHIL 4430	Topics in Philosophy of Mind	3 credits

Note: Certain pre-requisites must be met in order to gain admission to 3000 and 4000 level PHIL courses.

OTHER INFORMATION

Philosophy Courses by Area

A course appearing in boldface type signals that the course is required for the major. No single course can count for more than one area. Students may take the same 4th year Topics course twice for different credit if and only if the content differs significantly. Students who wish to take the same 4th year Topics course more than once must obtain the permission of the Chair of the Philosophy Department.

Logic

PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
PHIL 1155	Introduction to Scientific Reasoning	3 credits
PHIL 3150	Advanced Formal Logic	3 credits

History of Philosophy

PHIL 1106	Introduction to Ancient and Medieval Philosophy	3 credits
PHIL 2106	Ancient Greek Philosophy	3 credits
PHIL 2107	Modern Philosophy: Descartes to Kant	3 credits
PHIL 2115	Asian Philosophy	3 credits
PHIL 2150	Philosophical Paradoxes, Puzzles and Enigmas	3 credits
PHIL 3100	Great Philosophers of the Twentieth Century	3 credits
PHIL 3101	Twentieth Century Analytic Philosophy	3 credits
PHIL 3220	Empiricism	3 credits
PHIL 3225	Rationalism	3 credits

Metaphysics and Epistemology

PHIL 2120	Philosophy of Religion	3 credits
PHIL 2150	Philosophical Paradoxes, Puzzles and Enigmas	3 credits
PHIL 2210	Epistemology	3 credits
PHIL 2215	Metaphysics	3 credits
PHIL 3100	Great Philosophers of the Twentieth Century	3 credits
PHIL 3101	Twentieth Century Analytic Philosophy	3 credits
PHIL 3105	Life and Death	3 credits
PHIL 3110	The Possibility of Knowledge	3 credits
PHIL 3120	Free Will and Determinism	3 credits
PHIL 3220	Empiricism	3 credits
PHIL 3225	Rationalism	3 credits
PHIL 3320	Personal Identity	3 credits
PHIL 3425	Language and Meaning	3 credits
PHIL 3430	Philosophy of Mind: Consciousness	3 credits
PHIL 4120	Topics in Philosophy of Religion	3 credits
PHIL 4210	Topics in Epistemology	3 credits
PHIL 4215	Topics in Metaphysics	3 credits
PHIL 4430	Topics in Philosophy of Mind	3 credits

Ethics and Value Theory

PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1112	Environmental Ethics	3 credits
PHIL 2110	Moral Theory	3 credits
PHIL 2117	Social and Political Philosophy	3 credits
PHIL 3010	Health Care Ethics (not for majors)	3 credits

PHIL 3033	Business Ethics (not for majors)	3 credits
PHIL 3040	Philosophy of Art	3 credits
PHIL 3105	Life and Death	3 credits
PHIL 3109	Foundations in Ethics	3 credits
PHIL 3118	Ethics and Public Policy	3 credits
PHIL 3119	Contemporary Moral Theory	3 credits
PHIL 3510	Confronting Moral Issues: Bio-Medical Ethics	3 credits
PHIL 3512	Confronting Moral Issues: the Natural Environment	3 credits
PHIL 3533	Confronting Moral Issues in Business	3 credits
PHIL 4040	Topics in the Philosophy of Art	3 credits
PHIL 4110	Topics in Ethics	3 credits
PHIL 4117	Topics in Social and Political Philosophy	3 credits

Other

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1101	Philosophy, Culture, and Identity	3 credits
PHIL 1111	Sustainability and Ethical Analysis	3 credits
PHIL 3900	Honours Research and Thesis I	3 credits
PHIL 4900	Honours Research and Thesis II	3 credits
PHIL 4950	Practicum	3 credits

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Arts (Honours)**. Transcripts will indicate a **Major in Philosophy**.

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Philosophy**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Philosophy**.

Philosophy: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Philosophy	kpu.ca/arts/philosophy
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Philosophy.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree students are required to complete at least 60 credits with a minimum grade of C in each course, including:

All of:

PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits

Any two second-year Philosophy courses

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Philosophy**.

Policy Studies: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Policy Studies	kpu.ca/arts/policy-studies
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Sustainability has become the leading concept in defining the way we live. All aspects of society are changing to reflect the growing need for sustainability policy. New initiatives that have gained popularity and importance include:

- Urban Farms
- Bike Lanes
- Skytrains
- Affordable Housing
- Alternative Energy
- Zero-Waste Buildings
- Green Business

Policy makes these innovations a reality. You can be a part of these changes with a degree in Policy Studies.

This new degree is both applied and interdisciplinary. You will work with sustainability policy practitioners in developing real policy on current community projects. At the same time, you will learn about policy from the perspective of economics, philosophy, political science, environmental studies and psychology.

CAREER OPPORTUNITIES

We expect the graduates from our program to work at all levels of government. Private companies are also actively developing sustainability departments, to say nothing of consultants and NGOs. Opportunities can include careers such as:

- Sustainability coordinator
- Sustainability consultant
- Sustainability design manager
- Sustainability communications director
- Sustainability policy director
- Sustainability training director
- Sustainability auditor
- Sustainable resource manager
- Sustainable development specialist
- Social responsibility manager

- Social impact assessor
- Green policy coordinator
- Green operations director
- Green communications
- Green purchasing and operations
- Environmental efficiency analyst
- Environmental educator
- Sustainability entrepreneur
- Sustainability activist

Examples of how you can continue your professional development after graduation include a Masters of Public Policy or law.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts Framework in addition to their major or minor program requirements.

Policy Studies Major

The degree is designed around several integrative or "umbrella" courses and applied seminars. Each of the required "umbrella" courses will present the elements of policy analysis from the perspective of one of the main disciplines. The applied seminars provide real life situations to which students can apply what they have learned in the umbrella courses. The applied seminars are also designed to foster mentorship of students by professional practitioners who will be responsible for teaching those courses. Students will be given the opportunity to work with local governments and community groups to effect positive change.

The following area requirements are to be completed for the Bachelor of Arts, Major in Policy Studies program. The POST Major requires completion of fifty-five (55) area-specific credits, including thirty-one (31) lower division credits and twenty-four (24) upper division credits.

1100 AND 2000 LEVEL

All of the following are required:

ECON 1150 Principles of Microeconomics 3 credits

ECON 1250	Principles of Macroeconomics	3 credits
ENVI 1121	Environmental Issues	3 credits
Any 6 credits of PHIL at the 1100- or 2000-level		6 credits
Any 6 credits of POLI at the 1100- or 2000-level		6 credits
POST 1100 or PHIL 1111	Sustainability: Analysis and Ethics	3 credits
POST 2100 or POLI 2100	Sustainability and Government	3 credits
COOP 1101	Job Search Techniques	1 credit

And one of:

AGRI 2230	Sustainable Human Economy	3 credits
ECON 2260	Environmental Economics	3 credits

3000 AND 4000 LEVEL

All of:

POST 3100 or ECON 3100	Economics of Sustainability Policy	3 credits
POST 4110 or POLI 4110	Advanced Applied Policy Seminar	3 credits
POST 4150 or PSYC 4150	Psychology and Sustainability: Attitudes and Behaviour	3 credits
CMNS 3100	Technical Report Writing	3 credits

And one of:

POST 3110	Applied Policy Seminar I	3 credits
GEOG 3220	Urban Politics and Planning	3 credits

And one of:

PHIL 3118	Ethics and Public Policy	3 credits
PHIL 4117	Topics in Social and Political Philosophy	3 credits

And one of:

POLI 3500	Public Debates in Politics	3 credits
POLI 4420	Issues in Public Policy and Administration	3 credits

And one of:

ENVI 3112	Environment and Society	3 credits
ENVI 3212	The Urban Environment	3 credits
AGRI 4298 or POST 4298	World Trends in Agriculture (under development)	3 credits

Policy Studies Minor

The following area requirements are to be completed for the Bachelor of Arts, Minor in Policy Studies program. The POST Minor requires completion of twenty-one (21) area-specific

credits, including six (6) lower division credits and fifteen (15) upper division credits.

The following is required:

POST 1100 or PHIL 1111	Sustainability: Analysis and Ethics	3 credits
POST 2100 or POLI 2100	Sustainability and Government	3 credits
POST 4110 or POLI 4110	Advanced Applied Policy Seminar	3 credits
POST 4150 or PSYC 4150	Psychology and Sustainability: Attitudes and Behaviour	3 credits

And one of:

POST 3110	Applied Policy Seminar I	3 credits
GEOG 3220	Urban Politics and Planning	3 credits

And any two of:

PHIL 3118	Ethics and Public Policy	3 credits
POLI 3500	Public Debates in Politics	3 credits
POST 3100 or ECON 3100	Economics of Sustainability Policy	3 credits
POST 4298 or AGRI 4298	World Trends in Agriculture (under development)	3 credits

CREENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Policy Studies**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Policy Studies**.

Political Science: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Political Science	kpu.ca/arts/political-science
Implementation Date	01-Jan-2014
Start Date(s)	January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Political Science is the study of *power* in all its forms. Since power relationships suffuse all of social life – from the workplace to the family, from the news media to popular culture – practically everything is grist for political analysis; as Aristotle said, we are indeed political animals! Most often, however, political scientists focus upon power as exercised through governments and states, and, in the international arena, *between* governments and states. Thus, Political Science explores the forces that shape our lives through **public rule**.

Students in the Political Science major or minor begin their study of power with three introductory courses that provide a base of knowledge in a number of areas within the discipline. Early in their studies, students will take a course in research methods to enhance their skills in that area.. Additional credits from the 1000 and 2000 level will enrich students' knowledge in a number of comparative and thematic areas. At the 3000 level, students will pursue a detailed examination of various political factors, contexts and phenomena. At the 4000 level, students will explore, in a seminar format, areas of enduring importance in the discipline on a thematic basis. Students in the major program are additionally asked to take at least one "experiential" course enriching their practical skills in oratory and public debating, diplomacy, and policy work, as well as one of three courses designed to deepen their appreciation of the tensions and affinities between the national, trans-national, and global identities and power-structures that define our world.

CAREER OPPORTUNITIES

Political Science instills a range of transferable skills that are highly desirable in many fields of professional life. Specifically, graduates with a B.A. in Political Science often find careers in the public sector (government departments and semi-independent agencies), partisan politics, the foreign service, international agencies and non-governmental organizations, law, independent research organizations and think tanks, and advocacy groups, as well as journalism, labour unions, education, and business. The breadth of the discipline also leaves students extremely well-

positioned for graduate study, whether in Political Science, law, or related fields.

Famous Political Science graduates include:

- U.S. President Barack Obama;
- Former U.S. Secretary of State Hillary Clinton;
- Former Canadian Prime Minister Brian Mulroney
- Donald Fehr, Executive Director of the NHL Players' Association;
- Christine Lagarde, Managing Director, International Monetary Fund
- Kevin Newman, news anchor, *Global National*;
- Jeffrey Simpson, *Globe and Mail* National Affairs Columnist;
- Paul Wells, *Maclean's* magazine Senior Columnist;
- Mark Parker, CEO of Nike Inc;
- Steve Case, co-founder and former CEO of AOL;

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who

can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Political Science Major

Students must complete a total of 45 credits from political science courses as detailed below.

1100- AND 2000-LEVEL

At least 15 credits must be at the 1100- or 2000-level and include:

At least 9 credits chosen from:

POLI 1110	Ideology and Politics	3 credits
POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits
POLI 1145	Introduction to Comparative Government and Politics	3 credits
POLI 1150	Introduction to International Relations	3 credits

And at least 6 credits chosen from:

POLI 2100	Sustainability and Government	3 credits
POLI 2121	Law and Politics: The Charter of Rights and Freedoms	3 credits
POLI 2140	Comparative Politics of Asia	3 credits
POLI 2150	States, Markets, Globalization: International Political Economy	3 credits
POLI 2155	War, Crime, and Violence: Contemporary Political Conflict	3 credits
POLI 2200	Classic Thinkers: History of Political Thought	3 credits
POLI 2235	British Columbia Government and Politics	3 credits

And:

SOCI 2260	Research Methods in Sociology	3 credits
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3000- AND 4000-LEVEL

Students are required to complete 30 credits of POLI courses at the 3000# and 4000#level, of which at least 9 must be at the 4000#level. Students completing the Political Science Cooperative Education option require 28 credits of POLI courses at the 3000# and 4000#level, of which at least 9 must be at the 4000#level.

At least 3 credits chosen from:

POLI 3131	The Politics of Continental Integration	3 credits
POLI 3160	International Organization	3 credits
POLI 4225	Nationhood, Nationalism and Beyond (under development)	3 credits

And 3 credits chosen from*:

POLI 3500	Public Debates in Politics	3 credits
POLI 4510	Practicum in Political Science (under development)†	3 credits

And at least 9 credits:

POLI courses number 4000 or higher	9 credits
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* Students completing the Political Science Cooperative Education option are not required to complete this requirement.

† Students may also request course substitution for POLI 4110 or POST 4110.

STREAMS

Students can choose to focus their studies within Political Science in different ways. There are courses that fit into the International Studies "stream" and the North American Studies "stream." These streams are not separate credentials or noted on your official transcript, but can indicate to possible graduate programs or employers your area of interest.

International Studies stream North American Studies stream

- POLI 1150
- POLI 1120

- POLI 2150
- POLI 2155
- POLI 3131
- POLI 3160
- POLI 3147
- POLI 3199
- POLI 4145
- POLI 4330
- POLI 4340
- POLI 4500
- POLI 1123
- POLI 2100
- POLI 2235
- POLI 3100
- POLI 3122
- POLI 3125
- POLI 3150
- POLI 3190
- POLI 4125

Political Science Minor**YEARS 1 AND 2****Students are required to complete all of the following courses:**

POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits
POLI 1150	Introduction to International Relations	3 credits
SOCI 2260	Research Methods in Sociology	3 credits

In addition, students are required to complete at least one of the following:

POLI 1110	Ideology and Politics	3 credits
POLI 1123	Politics in the City	3 credits
POLI 1145	Introduction to Comparative Government and Politics	3 credits
POLI 2120	Government & Politics of the Prairie Provinces	3 credits
POLI 2121	Law and Politics: The Charter of Rights and Freedoms	3 credits
POLI 2130	International Relations Theory	3 credits
POLI 2131	European Integration	3 credits
POLI 2140	Comparative Politics of Asia	3 credits
POLI 2150	States, Markets, Globalization: International Political Economy	3 credits
POLI 2155	War, Crime, and Violence: Contemporary Political Conflict	3 credits
POLI 2200	Classic Thinkers: History of Political Thought	3 credits
POLI 2235	British Columbia Government and Politics	3 credits

YEARS THREE AND FOUR

Students are required to complete at least five from the following, with at least two each from the 3000 and the 4000 level:

POLI 3100	American Government and Politics	3 credits
POLI 3122	Introduction to Canadian Foreign Policy	3 credits
POLI 3125	Nation and Identity in Canadian Politics	3 credits
POLI 3131	The Politics of Continental Integration	3 credits
POLI 3146	Government and Politics of India	3 credits
POLI 3147	Foreign Policies of the Major Powers	3 credits
POLI 3150	American Foreign Policy	3 credits
POLI 3160	International Organization	3 credits
POLI 3170	International Peacekeeping	3 credits
POLI 3199	Selected Topics in International Politics	3 credits
POLI 3240	Chinese Government and Politics	3 credits
POLI 3500	Public Debates in Politics	3 credits
POLI 4110	Advanced Applied Policy Seminar	3 credits
POLI 4125	The Politics of Multiculturalism in Canada	3 credits
POLI 4145	Border Regions and Trans-Border Politics	3 credits
POLI 4210	Democracy: Classic and Contemporary Debates	3 credits
POLI 4330	International Human Rights	3 credits
POLI 4340	Public International Law	3 credits
POLI 4420	Issues in Public Policy and Administration	3 credits
POLI 4500	Model United Nations	3 credits

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Political Science**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Political Science**.

Political Science: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Political Science	kpu.ca/arts/political-science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Political Science.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course, including the following:

All of:

POLI 1110	Ideology and Politics	3 credits
POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits
POLI 1145	Introduction to Comparative Government and Politics	3 credits
POLI 1150	Introduction to International Relations	3 credits

And one POLI course numbered 2000 or higher.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Political Science**.

Psychology: Bachelor of Applied Arts (also: Honours)

Faculty of Arts	kpu.ca/arts
Psychology	kpu.ca/arts/psychology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Applied Arts in Psychology is designed to prepare graduates with a knowledge base and skill set in the behavioural sciences that are much needed in a wide variety of workplace and community settings. Graduates will be prepared for employment in many types of today's government and private sector jobs. Students completing the separate Honours program will also be well prepared for further study at the graduate level.

Students can study either part-time or full-time (3-5 courses per semester), though part-time seats may be limited. Full-time study is demanding. Please note, though students are able to study part-time, this does not mean that all courses are offered in evenings or on weekends to accommodate those who may have full-time day jobs.

Years one and two of the program consist of the Associate of Arts degree, or its equivalent, with a specialization in psychology (see Associate of Arts program for requirements). In these first two years, students take courses in the humanities, social, and physical sciences. These courses establish foundations of knowledge in psychology as well as a broader liberal education, and promote development of skills and abilities essential for academic success.

Years three and four concentrate on applications of psychology to modern community and workplace settings. Required courses provide students with general, transferable workplace skills, as well as specific knowledge and skills used in a variety of public and private sector jobs. Electives provide further training in additional areas selected by the student.

Students will participate in a workplace practicum coordinated by KPU and co-supervised by faculty and employers in relevant fields of employment. This practicum placement will assist students in gaining workplace experience and in meeting potential future employers. The practicum may be completed in the summer after the third or fourth year.

Students interested in further study and graduate school or who prefer more extensive research experience are advised to augment their knowledge and skills by taking the Honours

program. The Honours program affords students an opportunity to develop and report on a research project under the direct supervision of a faculty member within the Psychology Department.

This involves taking two six credit courses in addition to the 120 credits required for the basic four-year degree. The two honours courses are PSYC 5000 (Honours Thesis I) and PSYC 5010 (Honours Thesis II). The Honours program can be taken during or after the fourth year. It can also be taken subsequent to completion of the required 120 credits for the BA in Psychology degree.

CAREER OPPORTUNITIES

The Bachelor of Applied Arts in Psychology was developed in consultation with employers throughout the Lower Mainland of British Columbia. Although there are no guaranteed jobs, these employers indicated that graduates of the BAA (Psychology) program are qualified for positions such as program evaluators, research analysts, project consultants, human resources advisors, and health planning consultants. Past graduates have found employment in such areas as health research, human resources, market research, psychological testing and crisis services, product usability research, autism intervention, and corrections. Students in the program should consult with the Arts Degree Advisor to select courses best suited to their career objectives.

PROGRAM ADMISSION REQUIREMENTS

Third Year Admission:

For admission to the Bachelor of Applied Arts in Psychology, students must have a completed Associate of Arts in Psychology (or equivalent) with a cumulative grade point average (CGPA) of 3.0 and the following courses:

- PSYC 2300 (Applied Statistics) with a grade of at least 'B' (3.0)
- PSYC 2315 (Brain and Behaviour)
- PSYC 2330 (Social Psychology)
- PSYC 2385 (Cognition)
- PSYC 2400 (Experimental Psychology: Research Methodology) with a grade of at least 'B' (3.0)

Students should apply on the condition that they will have completed their Associate of Arts in Psychology by the semester prior to entering the program. In addition to KPU's standard application start date, students will be considered for admission based on the date their application is submitted.

Note: Where space permits students with less than a 3.0 CGPA (but not less than 2.67) may be considered on a case by case basis for admission. Students who are near completion of their Associate of Arts in Psychology and have a grade of 'B' in PSYC 2300 or PSYC 2400 may be considered for admission.

Honours Admission:

In order to be admitted to the Honours program students are expected to achieve and maintain a cumulative GPA of 3.3 and to obtain a 'B+' grade in all of PSYC 3300, 3400 and 4400. Students must also obtain endorsement from a faculty member who will serve as their thesis advisor, and be recommended by the Psychology Honours selection committee.

A limited number of seats are available each year for Honours students. Interested students can obtain a program application form from the Psychology Department during or after their third year.

PROGRAM REQUIREMENTS

Applied Psychology Honours

The Honours program consists of two 6 credit thesis courses (PSYC 5000 and PSYC 5010) that are offered in September and January respectively. For the BAA, PSYC 5000 and 5010 must be taken in addition to the 120 credits required for degree completion. Students should at most submit their application to the Honours program two semesters ahead (by December 31st.). Selections are made in May for the following September.

To qualify for the Applied Psychology Honours degree, students must have been admitted to the Honours program prior to earning the Applied Psychology degree. Students may receive either the Applied Psychology degree or the Applied Psychology Honours degree, but not both.

Applied Psychology Degree

The Bachelor of Applied Arts in Psychology requires 120 credits of post-secondary studies. An additional 12 credits are required for the Honours program. The initial two years consist of 60 credit hours based upon completion of the Associate of Arts Degree (or equivalent) in Psychology.

In the third and fourth year, students must complete 60 credits. Thirty-nine credits are third and fourth year required courses. Twelve credits are third and fourth year BAA Psychology electives. The remaining nine credits can be taken from any program and any year, though students are advised to consult with the Arts Degree Advisor to confirm that their liberal education requirements are met.

Students are normally expected to complete at least 60 credits at Kwantlen Polytechnic University for a B.A. Degree; however, they may apply for an exemption to this ruling on an individual basis. If such an exemption is granted, then residency may be limited to no fewer than 30 credits. In any case, at least 50% of the required upper level credits within the subject area must be completed at KPU.

To meet all the degree requirements, students must successfully complete the Associate of Arts Degree in Psychology (or equivalent) and the following courses and electives:

Required Courses

CMNS 3100	Technical Report Writing	3 credits
PSYC 3200	Industrial and Organizational Psychology	3 credits
PSYC 3300	Applied Statistics II	3 credits
PSYC 3400	Applied Research I	3 credits
PSYC 3500	Interpersonal Relations I	3 credits
PSYC 3600	Health Psychology	3 credits
PSYC 4000	Practicum*	3 credits
PSYC 4100	Tests and Measurement	3 credits
PSYC 4200	Human Factors: Technology and Behaviour	3 credits
PSYC 4400	Applied Research II	3 credits

PSYC 4500	Interpersonal Relations II	3 credits
PSYC 4700	Cultural Psychology	3 credits
PSYC 4800	Professional and Ethical Issues	3 credits

* **Note:** The practicum PSYC 4000 can be incorporated into any semester, but is highly encouraged during the summer semester, after completion of Year 3. PSYC 4400 is the pre-requisite for the practicum and PSYC 4800 is recommended.

BAA Psychology Electives

Students must complete at least four 3-credit electives (for a total of 12 credits). Three electives must be from the following list. The fourth elective can be any 3000 or 4000 level course offered by the Psychology Department.

PSYC 3451	Psychology and Law	3 credits
PSYC 3910	Neuropsychology	3 credits
PSYC 3920	Aging	3 credits
PSYC 3930	Consumer Psychology – Research & Applications	3 credits
PSYC 3940	Adult Education	3 credits
PSYC 3950	Cognitive Ergonomics	3 credits
PSYC 3960	Program Evaluation	3 credits
PSYC 3970	Community Psychology	3 credits
PSYC 3980	Environmental Psychology	3 credits
PSYC 4910	Rehabilitation Psychology	3 credits
PSYC 4920	Human Factors and Computer Interface Design (cross listed with Info 4210)	3 credits

One third or fourth year Psychology course not on this list 3 credits

Liberal Education Electives:

The following liberal education requirements need to be completed by graduation. Most liberal education requirements are fulfilled as part of the regular course work for the AA and BAA, however students are strongly advised to consult with the Arts Degree Advisor when planning their courses.

- 3 credits of first year English (part of the Associate of Arts)
- 6 credits of liberal education courses from within or outside the core discipline, three credits of which must be 3000 or 4000 level
- 9 credits of approved liberal education courses from outside the core discipline (please see list of approved Bachelor of Applied Arts in Psychology Liberal Education electives).

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Applied Arts in Psychology (Honours)**.

Upon successful completion of the major program, students are eligible to receive a **Bachelor of Applied Arts in Psychology**.

Psychology: Bachelor of Arts Honours, Major, and Minor

Faculty of Arts	kpu.ca/arts
Psychology	kpu.ca/arts/psychology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Distinct from the more specialized Bachelor of Applied Arts in Psychology which focuses on applied skills and research in the context of the workplace and community service, the Bachelor of Arts Major in Psychology is a more traditional degree focusing on core areas in psychology including biopsychology, cognitive psychology, developmental psychology, social/personality psychology and clinical/abnormal psychology. Students will have some flexibility to focus their studies in key areas of interest.

Those interested in further study and graduate school or who prefer more extensive research experience may augment their knowledge and skills by taking a separate one year research-focused Honours program in Psychology. The Honours program affords students an opportunity to develop and report on a research project under the direct supervision of a faculty member within the Psychology Department. The Honours program requires 12 credits in addition to the 120 required for a four-year Bachelor degree.

KEY FEATURES OF THE PROGRAM INCLUDE:

- The development of knowledge, core competencies, and skills characteristic of Bachelor of Arts programs in Psychology
- Incorporation of critical thinking skills into all psychology courses
- The opportunity of pursuing graduate studies in psychology by taking the Honours program
- Highly qualified, innovative faculty
- The opportunity to complete a Bachelor of Arts degree at KPU where there is established emphasis on teaching, emerging emphasis on undergraduate research, long-standing connections to South Fraser communities, and accessibility for students in the expanding South Fraser region.

CAREER OPPORTUNITIES

Although a BA in Psychology does not prepare graduates for specific occupations, the value of this degree has been documented many times and BA Psychology graduates can be found working in a variety of roles such as: group home coordinator, behaviour analyst, residential youth counselor, loans officer, and customer relations representative, to list but a few examples.

Careers in psychology generally require further study at the graduate level and to this end, the Honours program is available to students interested in pursuing graduate degrees.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Honours Admission:

In order to be admitted to the Honours program students are expected to achieve and maintain a cumulative GPA of 3.3 and to obtain a 'B+' grade in both PSYC 3300 and 3400. Students must also obtain endorsement from a faculty member who will serve as their thesis advisor, and be recommended by the Psychology Honours selection committee. Selections are made in May for the following September.

A limited number of seats are available each year for Honours students. Students must apply to the Honours program in the fall prior to the year they intend to begin the program.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts Framework in addition to their major or minor program requirements.

Psychology Honours

In addition to the 120 credits required by the Bachelor of Arts, Major in Psychology degree (below), The Honours program consists of two 6 credit thesis courses (PSYC 5001 and PSYC 5010) that are offered in September and January respectively. For the BA, PSYC 5001 and 5010 must be taken in addition to the 120 credits required for degree completion.

Students must complete the following 2 courses in addition to their 120 credit degree requirement:

PSYC 5001 Honours Thesis I (BA) 6 credits

PSYC 5010 Honours Thesis II 6 credits

To qualify for the Psychology Honours degree, students must have been admitted to the Honours program prior to earning the Psychology degree. Students may receive either the Psychology degree or the Psychology Honours degree, but not both.

Psychology Major

Students must complete the following requirements for the Psychology Major.

1000 AND 2000 LEVEL

Complete the following 1000 and 2000-level requirements for the Psychology Major

All of:

PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits
PSYC 2300	Applied Statistics	3 credits
PSYC 2315	Brain and Behaviour	3 credits
PSYC 2330	Social Psychology	3 credits
PSYC 2385	Cognition	3 credits
PSYC 2400	Experimental Psychology: Research Methodology	3 credits

Electives

Recommended electives can be chosen from:

PSYC 2308	History & Systems of Contemporary Psychology	3 credits
PSYC 2350	Psychopathology	3 credits

Or one of:

PSYC 2320	Developmental Psychology: Childhood*	3 credits
PSYC 2321	Developmental Psychology: Adolescence*	3 credits
PSYC 2322	Developmental Psychology: Adulthood*	3 credits

3000 AND 4000 LEVEL

Students must take a minimum of 30 credits of 3000 and 4000 level psychology courses. This must include at least ONE course from each of the five core areas. The remaining 15 credits may be selected from the list of additional courses or from the core areas.

Core areas:

1. Biopsychology:

PSYC 3320	Drugs and Behaviour	3 credits
PSYC 3910	Neuropsychology	3 credits
PSYC 4315	Neuroscience	3 credits

2. Cognitive:

PSYC 3215	Psychology of Memory	3 credits
PSYC 3303	Psychology of Learning	3 credits

PSYC 3311	Psychology of Consciousness	3 credits
PSYC 3800	Evolutionary Psychology	3 credits
PSYC 4210	Critical Thinking	3 credits

3. Developmental:

PSYC 3316	Infancy	3 credits
PSYC 3920	Aging	3 credits

4. Social/Personality:

PSYC 3210	Attitudes and Persuasion	3 credits
PSYC 3220	Group Dynamics	3 credits
PSYC 3307	Historical and Philosophical Foundations of Psychology	3 credits
PSYC 3370	Advanced Personality Theory	3 credits
PSYC 3451	Psychology and Law	3 credits
PSYC 4700	Cultural Psychology	3 credits

5. Clinical/Abnormal:

PSYC 3350	Advanced Topics in Psychopathology	3 credits
PSYC 3450	Clinical Psychotherapy	3 credits
PSYC 3600	Health Psychology	3 credits
PSYC 4350	Developmental Psychopathology	3 credits

Additional Courses:

PSYC 3200	Industrial and Organizational Psychology	3 credits
PSYC 3300	Applied Statistics II	3 credits
PSYC 3400	Applied Research I	3 credits
PSYC 3500	Interpersonal Relations I	3 credits
PSYC 3930	Consumer Psychology - Research & Applications	3 credits
PSYC 3940	Adult Education	3 credits
PSYC 3950	Cognitive Ergonomics	3 credits
PSYC 3970	Community Psychology	3 credits
PSYC 3980	Environmental Psychology	3 credits
PSYC 4100	Tests and Measurement	3 credits
PSYC 4200	Human Factors: Technology and Behaviour	3 credits
PSYC 4350	Developmental Psychopathology	3 credits
PSYC 4400	Applied Research II	3 credits
PSYC 4500	Interpersonal Relations II	3 credits
PSYC 4600	Positive Psychology	3 credits
PSYC 4800	Professional and Ethical Issues	3 credits
PSYC 4900	Special Topics in Psychology	3 credits
PSYC 4910	Rehabilitation	3 credits

Psychology Minor

Students must complete the following requirements for the Psychology Minor:

1000 AND 2000 LEVEL

Students are required to complete all of the following courses:

PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits
PSYC 2300	Applied Statistics	3 credits
PSYC 2315	Brain and Behaviour	3 credits
PSYC 2385	Cognition	3 credits
PSYC 2400	Experimental Psychology: Research Methodology	3 credits

And at least 1 course from the following list:

PSYC 2308	History & Systems of Contemporary Psychology	3 credits
PSYC 2320	Developmental Psychology: Childhood	3 credits
PSYC 2321	Developmental Psychology: Adolescence	3 credits
PSYC 2322	Developmental Psychology: Adulthood	3 credits
PSYC 2330	Social Psychology	3 credits
PSYC 2350	Psychopathology	3 credits
PSYC 2370	Psychology of Personality	3 credits

3000 AND 4000 LEVEL

Psychology courses at the 3000 level are accessible to all students who have completed Introductory Psychology 1100 and 1200, plus any additional prerequisite course indicated.

Students who have completed nine credits of required Psychology courses at the 2000 level (including Psychology 2300 and 2400), plus the BA entrance requirements, can apply for entry to the Bachelor of Arts, Minor in Psychology.

Courses at the 4000 level will require prerequisites at the 2000 and possibly 3000 level.

Students are required to complete at least one (1) course from each of the following five core areas:

1. Biopsychology:

PSYC 3320	Drugs and Behaviour	3 credits
PSYC 3910	Neuropsychology	3 credits
PSYC 4315	Neuroscience	3 credits

2. Cognitive:

PSYC 3215	Psychology of Memory	3 credits
PSYC 3303	Learning: Theory & Practice	3 credits
PSYC 3311	Psychology of Consciousness	3 credits

PSYC 3800	Evolutionary Psychology	3 credits
PSYC 4210	Critical Thinking	3 credits

3. Developmental:

PSYC 3316	Infancy	3 credits
PSYC 3920	Aging	3 credits

4. Social / Personality

PSYC 3210	Attitudes and Persuasion	3 credits
PSYC 3220	Group Dynamics	3 credits
PSYC 3307	Historical and Philosophical Foundations of Psychology	3 credits
PSYC 3370	Advanced Personality Theory	3 credits
PSYC 3451	Psychology and Law	3 credits
PSYC 4700	Cultural Psychology	3 credits

5. Clinical / Abnormal

PSYC 3350	Advanced Topics in Psychopathology	3 credits
PSYC 3450	Clinical Psychotherapy	3 credits
PSYC 3600	Health Psychology	3 credits
PSYC 4350	Developmental Psychopathology	3 credits

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Arts (Honours)**. Transcripts will indicate a **Major in Psychology**.

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Psychology**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Psychology**.

Psychology: Associate of Arts Degree

Faculty of Arts	kpu.ca/arts
Psychology	kpu.ca/arts/psychology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Psychology.

Students with an Associate of Arts Degree in Psychology who are interested in continuing their degree studies at KPU can apply for the Bachelor of Applied Arts, Psychology degree or a Bachelor of Arts, Major in Psychology degree, or Minor in Psychology when combined with another BA program. Admission to these programs requires specific courses and GPA. For more information, please see the BA Major or Minor in Psychology and BAA Psychology program descriptions.

Information on the Bachelor of Science, Major in Applied Psychology can be found here.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree, students must complete at least 60 credits with a minimum grade of C in each course, including the following:

1. All of:

PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits

2. At least one of:

PSYC 2315	Brain and Behaviour	3 credits
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PSYC 2385 Cognition 3 credits

3. At least one of:

PSYC 2320 Developmental Psychology: Childhood 3 credits

PSYC 2330 Social Psychology 3 credits

PSYC 2350 Psychopathology 3 credits

PSYC 2370 Psychology of Personality 3 credits

4. Two of:

PSYC 2300 Applied Statistics 3 credits

PSYC 2308 History and Systems of Contemporary Psychology 3 credits

PSYC 2321 Developmental Psychology: Adolescence 3 credits

PSYC 2322 Developmental Psychology: Adulthood 3 credits

PSYC 2375 Perception 3 credits

PSYC 2400 Experimental Psychology: Research Methodology 3 credits

PSYC 2450 Clinical Psychology: Psychotherapy 3 credits

PSYC 3307 Historical and Philosophical Foundations of Psychology 3 credits

Or any additional PSYC course listed in section 2 or 3 above that have not been taken previously. 3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts degree in Psychology**.

Psychology - Applied: Bachelor of Science (also: Honours)

Faculty of Arts	kpu.ca/arts
Psychology	kpu.ca/arts/psychology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

While Bachelor of Science in Applied Psychology degrees have existed at universities since the late 1800s, recent developments have proclaimed that "the psychology of science has arrived" (Journal of Psychology of Science and Technology, 1, 205, 2008). The Bachelor of Science in Applied Psychology is an interdisciplinary program rich in Psychology and Natural Sciences content. It is built primarily upon the attributes that have proven successful in the existing Bachelor of Applied Arts (BAA) and Bachelor of Arts (BA) in Psychology degrees. The foundation of the degree is rooted in KPU's existing two year science curriculum, with an emphasis on Biology and Chemistry, and on core base courses in Psychology.

The degree was developed in close connection with employers in the field and community partners, and has an applied focus that prepares students for employment upon graduation, for research-focused graduate studies, or for entry into professional programs of study. Many courses within this program have a lab component. The program will take a systems/ecological approach, recognizing the interrelationships between humans and their environments, and the ways in which each influences and alters the other.

During the third and fourth year students will take courses across three main topical areas within Psychology: (1) research skills (statistics, program evaluation, qualitative and quantitative research, and tests and measurement); (2) biological psychology (neuroscience, drugs and behaviour, neuropsychology, and learning theory and practice); and (3) health psychology (developmental psychopathology, rehabilitation, clinical intervention, psychopathology, psychology and law, health psychology, and aging). The degree will be embedded throughout with psychological application, including hands-on lab experience and courses focusing on human interaction with (and use of) modern technology, ethics, professional business practices, and technical writing. Students will be required to participate in a workplace practicum co-supervised by faculty and employers. The Bachelor of Science in Applied Psychology degree

provides innovative academic rigor encompassing exploration, inclusiveness, excellence, integrity, community, and accountability with clear employment outcomes. An existing Honours program in Psychology would be utilized to prepare interested students for research-focused graduate studies.

Students interested in applying to graduate school or who prefer a more extensive research experience are encouraged to apply to the Honours program. The Honours program affords students an opportunity to develop and report on a research project under the direct supervision of a faculty member within the Psychology Department.

CAREER OPPORTUNITIES

While taking the program, students will be required to participate in a workplace practicum co-supervised by faculty and community employers. They will have the opportunity to test their skills and knowledge in specific contexts, to observe the relationships between specific disciplinary techniques, and to appreciate the complexities of technical and human interactions. They will see, first hand, that no single method is sufficient, no single discipline capable of interpreting and responding to modern individual, community and workplace challenges. The shared responsibility for the practicum taken by academic and community sponsors will provide a powerful balance between classroom and workplace learning, deepening both.

A student who successfully completes the B.Sc. in Applied Psychology, will have reliably demonstrated the ability to:

- critically examine the research literature
- contribute effectively to a seminar discussion
- deliver a presentation based on primary source research
- communicate ideas effectively in writing and in oral form
- critically evaluate primary and secondary source material
- develop a research program
- apply skills in a relevant work setting
- demonstrate solid ethical decision making both in research and practice
- work within an interdisciplinary framework
- demonstrate comprehensive and critical understanding of statistical and methodological approaches to scientific enquiry
- demonstrate a working knowledge of various scientific technologies and techniques

The degree was developed in close collaboration with industry/employers to ensure positive outcomes and maximum opportunities. Graduates of this degree could therefore find employment in areas such as vocational rehabilitation, mental health services, gerontology, neuropsychological testing, forensics, disability services, software usability research, research and design, pharmaceutical companies, and child care consultancy. They would also be well prepared for post-graduate programs in physiotherapy and occupational therapy. Students who complete the additional Honours option would be well prepared for research-focused graduate studies in neuroscience, psychology, counseling, public policy, kinesiology, and special education.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency

Requirement, the following program admission requirements apply.

Year One Admission:

- English 12 with a minimum grade of B (or equivalent)
- Principles of Mathematics 12 with a minimum grade of C+ (or equivalent)
- Principles of Physics 12 with a minimum grade of P (or equivalent)
- Chemistry 12 with a minimum grade of C+ (or equivalent)

Year Three Admission:

Students can enter the program in third year, provided they have completed all Year 1 and Year 2 required courses with a cumulative GPA of 2.7 or higher and a C or higher in Psychology 2300 and 2400 (or equivalent transfer credits). Students are advised to consider prerequisites for 3rd and 4th year courses when applying for entry into the 3rd year of the program.

A student who has completed courses at another post-secondary institution may request that these credits be transferred to Kwantlen Polytechnic University. Transfer students may be admitted to the program, space permitting, at any point up to the seventh semester. This structure follows the approved B.Sc. framework in place at Kwantlen Polytechnic University with respect to both minimum academic standards to progress in the program, as well as entrance requirements.

Honours Admission:

In order to be admitted to the Honours program students are expected to achieve and maintain a cumulative GPA of 3.3 and to obtain a 'B+' grade in both PSYC 3300 and 3400. Students must also obtain endorsement from a faculty member who will serve as their thesis advisor, and be recommended by the Psychology Honours selection committee. Selections are made in May for the following September.

A limited number of seats are available each year for Honours students. Students must apply to the Honours program in the fall prior to the year they intend to begin the program

PROGRAM REQUIREMENTS

The learning environment and methodologies will utilize all current andragogical techniques that enhance student learning. Faculty will adopt approaches that provide students with a participatory and collaborative learning environment that merges theory and research with experiential participation. These approaches include traditional classroom instruction, computer simulations and experiential web materials, small seminar groups, field trips to research facilities and medical units where appropriate and "hands-on" training and experience with industry/academic-specific methodological techniques. Faculty-supervised independent and/or collaborative student research will also be a key component of study in several courses with particular emphasis on in-depth research, both qualitative and quantitative, in both the practicum and Honours program courses.

Methodologies will be specifically aimed at enhancing student success in identified learning outcomes. Common themes to these outcomes beyond the knowledge-based aspects of the curriculum will be critical thinking, analytical skills, team building, communication skills and employability skills, as well as the ability to move beyond theoretical constructs to operationalization for the purpose of problem identification and problem solving. The goal will be the development of well-educated, critically aware and articulate graduates who demonstrate a thorough understanding

of current issues, theory and research in the psychological sciences.

Anecdotal evidence suggests that many students are dissatisfied with traditional science offerings that are perceived as leading only to graduate studies or specialized professions. In addition to preparing students for more traditional pursuits, the B.Sc. in Applied Psychology degree offers job-focused, job-ready, innovated learning that prepares students for new types of positions in the science, health and pharmaceutical industries, and for constant change in today's workplace.

Applied Psychology Honours

The following are the requirements for the Bachelor of Science in Applied Psychology Honours program.

The Honours program consists of two 6 credit thesis courses (PSYC 5002 and PSYC 5010) that are offered in September and January respectively. For the BSc in Applied Psychology, these courses can be taken within the 40 courses required for degree completion.

Students choosing the Honours degree, must take the following in lieu of 2 electives:

PSYC 5002	Honours Thesis I (BSc)	6 credits
PSYC 5010	Honours Thesis II	6 credits

To qualify for the Applied Psychology Honours degree, students must have been admitted to the Honours program prior to earning the Applied Psychology degree. Students may receive either the Applied Psychology degree or the Applied Psychology Honours degree, but not both.

Applied Psychology Degree

CORE REQUIREMENTS

The following core requirements are to be completed for the Bachelor of Science in Applied Psychology:

- A minimum 120 credits and a minimum of 40 courses total at the post-secondary level
- A minimum 6 credits writing requirement
 - ENGL 1100 and CMNS 3100
- A minimum 6 credits mathematics, at least 3 credits of which are statistics
 - MATH 1130 (or MATH 1120)
 - MATH 1230 (or MATH 1220)
 - PSYC 2300
- A minimum 72 science credits including at least 36 credits at the 3000 and 4000 level. Included in this are required courses in biology, chemistry, psychology and physics outlined below.
- A minimum 24 credits general education requirement, including at least 3 credits at the upper level
- A passing grade in all courses counting towards the Bachelor of Science, with a cumulative GPA of 2.0 or higher
- A minimum 60 credits taken at Kwantlen Polytechnic University, or approval to transfer a maximum of 90 credits.

YEAR ONE REQUIREMENTS

All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits

CHEM 1210	Chemical Energetics and Dynamics	4 credits
ENGL 1100	Introduction to University Writing	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits

And one of:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I (recommended)	3 credits

And one of:

MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II (recommended)	3 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

YEAR TWO REQUIREMENTS

All of:

BIOL 2321	Cell Biology	4 credits
CHEM 2320	Organic Chemistry I	4 credits
PSYC 2300	Applied Statistics	3 credits
PSYC 2315	Brain and Behaviour	3 credits
PSYC 2375	Perception	3 credits
PSYC 2385	Cognition	3 credits
PSYC 2400	Experimental Psychology: Research Methodology	3 credits

And one of:

BIOL 2320	Genetics	4 credits
BIOL 2421	Cellular Biochemistry	3 credits

YEAR THREE AND FOUR REQUIREMENTS

All of:

CMNS 3100	Technical Report Writing	3 credits
PSYC 4000	Practicum	3 credits
PSYC 4800	Professional & Ethical Issues	3 credits

And at least two of:

Statistics and Research Methodology Courses

PSYC 3300	Applied Statistics II	3 credits
PSYC 3400	Applied Research I	3 credits
PSYC 3960	Program Evaluation	3 credits
PSYC 4100	Tests and Measurement	3 credits

PSYC 4400	Research Methods II: Qualitative Methodologies	3 credits
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CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Science in Applied Psychology (Honours)**.

Upon successful completion of the degree program, students are eligible to receive a **Bachelor of Science in Applied Psychology**.

And at least two of:

Biological Psychology

PSYC 3303	Learning: Theory and Practice	3 credits
PSYC 3320	Drugs and Behaviour	3 credits
PSYC 3910	Neuropsychology	3 credits
PSYC 4315	Neuroscience	3 credits

And at least two of:

Health and Clinical Psychology

PSYC 3350	Advanced Topics in Psychopathology	3 credits
PSYC 3450	Clinical Psychology: Intervention	3 credits
PSYC 3451	Psychology and Law	3 credits
PSYC 3600	Health Psychology	3 credits
PSYC 3920	Aging	3 credits
PSYC 4350	Developmental Psychopathology	3 credits
PSYC 4910	Rehabilitation	3 credits

And at least two of:

Applied Psychology

PSYC 3200	Industrial and Organizational Psychology	3 credits
PSYC 3220	Group Dynamics	3 credits
PSYC 3500	Interpersonal Relations I	3 credits
PSYC 3930	Consumer Psychology - Research & Applications	3 credits
PSYC 3950	Cognitive Ergonomics	3 credits
PSYC 4200	Human Factors: Technology and Behaviour	3 credits

And one of:

Culture and Diversity

PSYC 4700	Culture and Psychology	3 credits
	Any other cultural course at KPU	3 credits

ELECTIVES

In addition, students must complete an additional ten electives

Electives are not restricted provided all breadth and general education requirements are met.

Students may take three electives in second year, and the balanced in their third and fourth years.

Sociology: Bachelor of Arts Major and Minor

Faculty of Arts	kpu.ca/arts
Sociology	kpu.ca/arts/sociology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts, Major or Minor in Sociology is unique in the Lower Mainland as it emphasizes practical, applied and community based approaches to learning and makes connections between societies in local, Canadian and global contexts. The curriculum reflects the cultural diversity of our region, presenting course materials from critical and transnational perspectives, a variety of theoretical and methodological approaches, and multiple knowledge bases.

The overall goal of the B.A. in Sociology program is to increase access to high quality education that meets the needs of diverse student populations and communities in both regional and global contexts. The Bachelor of Arts, Major in Sociology program marries unique learning experiences in applied settings with academic rigor and offers a well-rounded education in various sub-fields in the discipline. Graduates from the program will have the option of entering variety of rewarding careers or pursuing graduate studies.

CAREER OPPORTUNITIES

The curriculum design for the B.A. Major in Sociology program incorporates a number of skills that are valuable for success in a variety of different occupational fields and/or for the purpose of pursuing graduate studies. Students will develop analytical, written and oral communication and research skills, and a broad understanding of the social, cultural, economic, and political relationships between local, regional, and global communities. These are important and desired qualifications sought by prospective employers in public, private and non-profit organizations. Emphasis on principles of equity, equality, democracy, cultural diversity and active citizenship as important elements of the curricula will prepare students for living, studying, working, conducting research, and participating in a diverse society as informed citizens, and for interpersonal relationships as well as employment within a culturally, socially, economically, and politically heterogeneous and interconnected world. Today, sociologists are working in a broad range of fields including, but not limited to, government, communications, corrections/law,

business, community affairs, health, teaching, research, and marketing.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Sociology Major

Students pursuing a BA Major in Sociology must complete a total of 54 credits from sociology courses, which includes 27 credits from core, required sociology courses, and an additional 27 credits from sociology course electives as follows:

1000 LEVEL

Courses at the 1000 level provide a foundation in core concepts, theories, methodologies and sub-fields in sociology.

Students are required to complete:

SOCI 1125	Introduction to Society: Processes and Structures	3 credits
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Note: Completion of SOCI 1125 with a minimum GPA of 2.0 provides a pre-requisite for all sociology courses at the 2000, 3000 and 4000 levels.

2000 LEVEL

Courses at the 2000 level offer more extensive study in sociological theory and research methods, as well as specialized areas in sociology.

Students will be required to complete 21 credits from 2000 level sociology courses including the following required courses:

SOCI 2225	Canadian Society	3 credits
SOCI 2235	The Development of Sociological Thought	3 credits
SOCI 2260	Research Methods in Sociology	3 credits
SOCI 2365	Introduction to Social Research Statistics	3 credits

Additional 2000-level Courses

SOCI 2230	Racialization and Ethnicity in Canada	3 credits
SOCI 2240	Women in Canada	3 credits
SOCI 2250	Families in Canada	3 credits
SOCI 2255	Sociology of Everyday Life and Interaction	3 credits
SOCI 2270	Sociology of Education: A Critical Perspective	3 credits
SOCI 2275	Mass Media and Society	3 credits
SOCI 2280	Sociology of Health and Illness	3 credits
SOCI 2285	Gods in the Global Village: A Sociological Perspective of World Religions	3 credits
SOCI 2311	Social Justice in Local and Global Contexts	3 credits

3000 AND 4000 LEVEL

Students will be required to complete a total of 30 credits from sociology courses at the 3000 and 4000 levels which must include 12 credits of required 3000- and 4000-level courses as described below.

Courses at the 3000-level continue to provide breadth and build on course content covered the 2000-level courses on sociological theories, research methods and studies in specific focus areas of the discipline. Students must complete 6 credits from required sociology courses as follows:

One of:

SOCI 3235	Classic Sociological Theories	3 credits
SOCI 3330	Contemporary Sociological Theories	3 credits

And one of:

SOCI 3260	Qualitative Research Methods	3 credits
SOCI 3365	Quantitative Research Methods	3 credits

At the 4000 level, students are required to complete 6 credits from courses that include a service learning, applied or experiential learning component, consolidating what they have learned at previous levels, while gaining practical experience. Courses that satisfy this requirement include:

One of:

SOCI 4325	Sociological Aspects of Community Service	6 credits
SOCI 4330	Global Community Services	6 credits

Or both of:

SOCI 4225	Advanced Topics in Canadian Issues	3 credits
SOCI 4320	Advanced Topics in Global Studies	3 credits

It is recommended that students complete at least 60 course credits in total before taking courses at the 4000-level.

6 credits of additional SOCI 2000-level courses 3 credits

Other 3000 Level Courses:

SOCI 3210	Science, Technology and Society	3 credits
SOCI 3230	International Migration and Ethnic Communities	3 credits
SOCI 3240	Gender in a Global Context	3 credits
SOCI 3270	Education, Nation Building, and Globalization	3 credits
SOCI 3275	Sociology of Popular Culture	3 credits
SOCI 3280	Sociological Aspects of Dying and Death	3 credits
SOCI 3300	Sociology of Work and Occupations	3 credits
SOCI 3310	Conflict Analysis and Resolution	3 credits
SOCI 3320	Sociology of Global Inequalities	3 credits
SOCI 3345	Social Policy in Context	3 credits
SOCI 3385	Demography	3 credits

Other 4000 Level Courses:

SOCI 4275	Lost in Transmission: Diversity and the Media	3 credits
SOCI 4280	Sociological Aspects of Assisted Death (discontinued)	3 credits
SOCI 4310	Terrorism, Globalization, and Social Justice	3 credits

Sociology Minor

1000 LEVEL

Students will be required to complete:

SOCI 1125	Introduction to Society: Processes and Structures	3 credits
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Completion of SOCI 1125 with a minimum grade of 'C' provides a pre-requisite for all sociology courses at the 2000, 3000 and 4000 levels.

2000 LEVEL

Students will be required to complete 15 credits in SOCI courses at the 2000 level sociology courses, as follows:

SOCI 2225	Canadian Society: Conflict and Consensus	3 credits
SOCI 2235	The Development of Sociological Thought	3 credits
SOCI 2260	Research Methods in Sociology	3 credits

3000 LEVEL

Students will be required to complete a minimum of 12 credits in SOCI courses at the 3000 level. Note that some courses at the 3000 level require specific course prerequisites in addition to SOCI 1125.

4000 LEVEL

All BA Minor in Sociology students must complete 6 credits chosen from the following:

One of:

SOCI 4325	Sociological Aspects of Community Service	6 credits
SOCI 4330	Global Community Service	6 credits

Or both of:

SOCI 4225	Advanced Topics in Canadian Issues	3 credits
SOCI 4320	Advanced Topics in Global Studies	3 credits

It is recommended that students complete at least 60 course credits in total before taking these courses.

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Arts**. Transcripts will indicate a **Major in Sociology**.

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Sociology**.

Sociology: Associate of Arts Degree

And one additional Sociology course at the 2000-level or higher

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Sociology**.

Faculty of Arts	kpu.ca/arts
Sociology	kpu.ca/arts/sociology
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Sociology.

Students with an Associate of Arts Degree in Sociology who are interested in continuing their degree studies at KPU can apply for the Bachelor of Arts, Major in Sociology degree or a Minor in Sociology when combined with another BA program. Admission to this program requires specific courses and GPA. For more information, please see the BA Major or Minor in Sociology program description.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts Degree students are required to complete at least 60 credits with a minimum grade of C in each course, including:

All of:

SOCI 1125	Introduction to Society: Processes and Structures	3 credits
SOCI 2225	Canadian Society: Conflict and Consensus	3 credits
SOCI 2235	The Development of Sociological Thought	3 credits

Special Education Teacher Assistant: Certificate

Faculty of Arts	kpu.ca/arts
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

NEW: SETA part-time studies are now on the Surrey campus!

The Special Education Teacher Assistant (SETA) Certificate program prepares students for a variety of paraprofessional duties in schools. Special education teacher assistants work in Kindergarten through Grade 12 and assist teachers in providing personal care, behavioral, and learning support to students with diverse needs.

The program is completed in one year of full-time study on the Langley Campus or two years of part-time study on the Surrey Campus. Full-time students attend classes during the day from September through May over one year. Part-time students attend classes two evenings per week and alternate Saturdays from September through May over two years. Course delivery is largely face to face with some blended and online learning.

To integrate the knowledge and skills learned in the program, all students complete two four-week, full-time practicums in the schools over the course of their studies, one in an elementary school and one in a secondary school. During this time, a student will observe, assist, and work with children and adolescents with diverse needs under the guidance and supervision of professional staff.

CAREER OPPORTUNITIES

Graduates of the SETA program find employment in elementary and secondary schools in B.C. as education assistants supporting students with diverse learning, behavioral, and personal care needs. The SETA Certificate is accepted as a qualification by all of the school districts in the Lower Mainland, Fraser Valley, and province-wide.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- The SETA English proficiency requirement, which can be met through one of the following:

- A grade of "C" in one of the following courses (or equivalent from another school system):
 - English 12
 - English Literature 12
 - English 12 First Peoples
 - IB English A1 or A2 (HL or SL)
 - English 12 from a completed Adult Dogwood Diploma
- A minimum grade of "A" in Communications 12
- Completion of one of:
 - ENGQ 1089 with a minimum grade of "C" (or transferable equivalent)
 - ELST 0281 with a minimum grade of "B-" (or transferable equivalent)
 - ENGL 1100 (or transferable equivalent)
- One of the following testing options:
 - KPU Placement Test into one of: ENGQ 1099, ENGQ 1091, ENGQ 1092 or ELST 0381
 - LPI Essay score of 26 Level 4
 - Internet based TOEFL (iBT) score of 80 (taken within the last two years)
 - Paper-based TOEFL 550 with TWE 4.5 (taken within the last two years)
 - IELTS Academic Module overall band score of 6.0 with a minimum of 6.0 in each band (taken within the last two years)
- Grade 12 or the equivalent. Grade 12 equivalencies could consist of the Adult Provincial Diploma or the GED
- Approximately 100 hours of successful experience volunteering or working with children or youth, preferably in the schools. (Applicants must submit two letters from employers or responsible persons in the community certifying this experience.)
- Attendance at an information session
- Participation in a small group meeting with Coordinator or designate
- Criminal Record review issued by the BC Ministry of Public Safety and Solicitor General
- If you are not a Canadian citizen, you are required to secure a Criminal Record Search with the Vulnerable Sector from your country of origin. Note that your Criminal Record Search must be mailed directly from the issuing agency to Kwantlen Polytechnic University Admissions.

PROGRAM REQUIREMENTS

This program consists of 890 hours of study for a total of 39 semester credits. Credits from the SETA program are accepted for transfer into select degree programs.

Note: ECHS and SETA courses are assessed Tuition Category 2.a.2 tuition and fees for domestic students.

TERM ONE

All of:

CMNS 1216	Writing for the Specialized Workplace 1	1.5 credits
ECHS 1125	Principles of Observation	1.5 credits
ECHS 1130	Interpersonal Communications 1	2 credits

ECHS 1135	Essentials to Person-Centered Practice	3 credits
SETA 1101	Including Diverse Learners in Schools	3 credits
SETA 1105	Supporting Learning in Schools	3 credits
SETA 1120	Principles of Proactive and Positive Behaviour Support	2 credits
SETA 1161	Change and Development: Childhood	1.5 credits

TERM TWO

All of:

CAHS 2120	Supporting Students with Autism Spectrum Disorders	2.5 credits
CMNS 1217	Writing for the Specialized Workplace 2	1.5 credits
ECHS 1230	Interpersonal Communications 2	2 credits
SETA 1162	Change and Development: Adolescence through Middle Adulthood	1.5 credits
SETA 1225	Alternative and Augmentative Communication	1.5 credits
SETA 1270	Practicum One	3.5 credits
SETA 1280	Health and Personal Care Support for Teacher Assistants	2.5 credits
SETA 1305	Overview of Curriculum for Inclusive Schools	3 credits

TERM THREE

SETA 1370	Practicum Two	3.5 credits
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OTHER INFORMATION

Costs

In addition to tuition fees, students will be required to pay a first-time application fee or a re-application fee, as well as student association fees and other institutional fees for each course. For more information, visit the fees section of the online calendar.

Other costs include the purchase of textbooks and course materials for approximately \$350.00 for 2 semesters for full-time students, \$300.00 per year for part-time students. There is also a \$20.00 fee associated with the Criminal Record Checks. Students are responsible for providing their own transportation to practicum placements. Fees are subject to change without notice.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Special Education Teacher Assistant**.

Faculty of Business

Welcome to the Faculty of Business.

DEAN:

Wayne Tebb

Phone: 604.599.3251

Email: wayne.tebb@kpu.ca

IN THIS SECTION:

You will find details of the Business programs:

- About the Faculty of Business
- Accounting: Bachelor of Business Administration
- Accounting: Diploma
- Accounting: Certificate
- Applied Business Technology: Diploma
- Business Administration: Diploma
- Business Management: Diploma
- Business Management: Certificate
- Computer Information Systems: Diploma
- Computer Information Systems: Certificate
- Economics: Bachelor of Arts Minor
- Economics: Associate of Arts Degree
- Entrepreneurial Leadership: Bachelor of Business Administration
- General Business Studies: Diploma
- General Business Studies: Certificate
- Human Resources Management: Post Baccalaureate Diploma
- Human Resources Management: Bachelor of Business Administration
- Information Technology: Bachelor of Technology
- Legal Administrative Studies: Certificate
- Marketing Management: Bachelor of Business Administration
- Marketing Management: Diploma
- Marketing: Certificate
- Public Relations: Diploma
- Liberal Education Electives for Faculty of Business

Accounting: Bachelor of Business Administration

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Business Administration (BBA) in Accounting program allows students to earn a business degree that prepares them to obtain a professional accounting designation in Canada (CA, CGA, CMA, and CPA designations). Students can enter the program in Year 1 or in Year 3 after completion of a 60 credit accounting diploma from Kwantlen Polytechnic University or an equivalent accounting diploma with a minimum GPA of 2.70.

In Canada, a degree is required for all accounting designations. The BBA in Accounting offers courses in financial and management accounting, tax, audit, finance, economics, and other core business functions such as marketing, operations and information management, satisfying the undergraduate requirements of all three accounting designations.

Some unique features of this program are:

- Applied projects and assignments to ensure graduates acquire the practical skills so valued by employers.
- A large offering of courses in Richmond, Surrey and Langley during the day and evening for Fall, Spring and Summer semester for maximum flexibility in your student schedule.
- Opportunities for accounting-related employment (through Career Services and Cooperative Education) while earning a degree.
- Opportunity to join the Accounting Society of KPU (ASK) club, providing regular exposure to CA, CMA, CGA and CPA representatives.
- Students may qualify for a diploma in accounting after the second year of the program.

STUDENT PROFILE

Students who excel in the accounting profession have numerical aptitude, strong critical thinking skills, and effective written and oral communications skills.

To acquire a professional accounting designation, you must obtain a degree in any field and complete the required accounting courses. Graduates with degrees in other fields may take these

courses at KPU. Contact a School of Business degree advisor for further details.

CAREER OPPORTUNITIES

Career opportunities are numerous, diverse, and often lucrative for BBA Accounting graduates. More than 90% of BBA Accounting graduates find career opportunities within six months of graduation. Placements range from public accounting firms to internal management accounting positions in industry, government and the not-for-profit sector. Positions providing the work experience required for a CA, CMA, CGA, or CPA designation are common.

PROGRAM ADMISSION REQUIREMENTS

Year 1 Admission:

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please Note: One post-secondary English course, equivalent to Kwantlen's ENGL 1100, is a graduation requirement for all Kwantlen degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Year 3 Admission / Continuance:

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Students may enter the program in Year 3 provided they have a 60-credit accounting diploma with a minimum GPA of 2.7 from a recognized post-secondary institution. Applicants with a professional designation from Certified General Accountants (CGA) or Certified Management Accountants (CMA) will qualify for advanced standing in the degree program and should meet with a Business Degree Advisor to determine their eligibility.

Please Note: One post-secondary English course, equivalent to Kwantlen's ENGL 1100, is a graduation requirement for all Kwantlen degrees. If English was not taken prior to admission to the third year of the degree program, students must take ENGL 1100 (or equivalent) in addition to the program requirements. This will require the completion of more than 120 credits to meet graduation requirements.

PROGRAM REQUIREMENTS

The degree program requires a minimum of 120 credits of required courses and electives. Students admitted to Year 3 will have already completed a minimum of 60 credits. If a first year English course was not completed prior to Year 3 entry, degree completion will require more than 120 credits in total.

The third and fourth year courses are rigorous and demanding. Students should carefully consider the time requirements of part-time versus full-time study based on their individual work and personal situations.

Note: Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to

the program. It may be necessary for students to take courses at both Surrey and Richmond campuses to complete the program.

Accounting Degree

YEARS 1 AND 2

All of Group A or all of Group B:

Group A

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1210	Introductory Financial Accounting II	3 credits

Group B

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
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An elective course (any course numbered 1100 or higher of 3 or more credits) 3 credits (or more)

All of Group C or all of Group D:

Group C

ACCT 3310	Intermediate Financial Accounting I	3 credits
ACCT 3410	Intermediate Accounting II	3 credits

Group D

ACCT 3510	Intermediate Financial Accounting	6 credits
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All of Group E or all of Group F:

Group E

ACCT 3320	Introductory Management Accounting	3 credits
ACCT 3420	Advanced Management Accounting	3 credits

Group F

ACCT 3520	Management Accounting I & II	6 credits
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All of:

ACCT 2235	Introductory Taxation	3 credits
ACCT 3380	Managerial Finance	3 credits
ACCT 3444	Auditing	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
CBSY 2205	Management Information Systems	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits

One course in Mathematics*	3 credits
One course in Statistics*	3 credits
Six credits chosen from Business (BUSI), Marketing (MRKT), and/or CBSY 2306	6 credits
One elective chosen from approved Faculty of Business Liberal Education Electives	3 credits (or more)

*** Notes:**

- For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.
- ACCT 1130 or BUQU 1130 Business Mathematics are the core business math courses recommended for the program. Students may earn credits for only ONE of ACCT 1130 or BUQU 1130.
- ACCT 1230 or BUQU 1230 Business Statistics are the core business statistics courses recommended for the program. Students may earn credits for only ONE of ACCT 1230 or BUQU 1230
- See approved Faculty of Business Liberal Education Electives. The elective may also be an ECON or CMNS course numbered 1100 or higher.
- Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250.

YEARS 3 AND 4

Required Accounting Courses:

ACCT 3335	Intermediate Taxation	3 credits
ACCT 4360	Computer Modeling for Managers	3 credits
ACCT 4455	Advanced Financial Accounting	3 credits
ACCT 4650	Not for Profit Financial Management	3 credits
ACCT 4120	Financial Statement Presentation and Analysis	3 credits
ACCT 4720	Advanced Managerial Accounting	3 credits
ACCT 4780	Advanced Managerial Finance	3 credits

Required Entrepreneurial Courses

ENTR 3000	Professional Business Communications	3 credits
ENTR 3130	Production and Operations Management	3 credits
ENTR 3140	Entrepreneurial Marketing	3 credits
ENTR 3160	Information Technology for Business	3 credits
ENTR 4200	Business Strategy	3 credits

and one of:

ENTR 3150	Business Economics	3 credits
ECON 2350	Intermediate Microeconomics	3 credits
ECON 3150	Managerial Economics	3 credits

ADDITIONAL ACCOUNTING OR ENTREPRENEURIAL COURSES

Students are required to have two additional third or fourth year courses chosen from the following:

ACCT 3111	Introduction to Fraud Examination	3 credits
ACCT 4150	International Issues for Financial Managers	3 credits
ACCT 4180	Forensic Accounting	3 credits
ACCT 4199	Accounting Theory	3 credits
ACCT 4335	Taxation 2	3 credits
ACCT 4445	Auditing 2	3 credits
ECON 3350	Intermediate Microeconomics II	3 credits
ENTR 4105	Corporate Communications and Investor Relations	3 credits
FNSR 3350	Securities Analysis	3 credits

LIBERAL EDUCATION COURSES

All business degrees require a minimum of 18 credits of liberal education that include:

- A first year English course (ENGL 1100 or equivalent). If this was not completed prior to BBA entry it must be completed prior to graduation.
- One 3rd or 4th year Ethics course chosen from:
 - PHIL 3033 Business Ethics OR
 - LBED 4210 Ethics and Social Issues (discontinued)
- Four electives chosen from the approved Faculty of Business Liberal Education Electives. NOTE: No more than 3 credits can be taken from any one of CMNS, ECON or MRKT courses found on the list of approved electives.

CO-OPERATIVE EDUCATION

The BBA in Accounting degree is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Successful completion of 30 program credits based on first year entry or admission to third year
- Minimum program GPA of 2.7

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 program credits (based on first year entry)
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- • Successful completion of 45 program credits based on first year entry or admission to third year
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101 Job Search Techniques 1 credit

And all of:

COOP 1150* Co-op Work Semester 1 9 credits

COOP 2150* Co-op Work Semester 2 9 credits

COOP 3150* Co-op Work Semester 3 9 credits

Optional:

COOP 4150* Co-op Work Semester 4 9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Business Administration in Accounting**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Business Administration in Accounting, Co-operative Education Option**.

Accounting: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Accounting Diploma program prepares students for entry-level accounting positions in the work force or to enter the Bachelor of Business Administration (BBA) in Accounting in Year 3. The requirement for admission to Year 3 of the BBA in Accounting is a GPA of 2.7 in the Accounting Diploma.

The Diploma program includes courses in financial accounting, management accounting, finance, taxation and auditing. There are also courses in economics, business math, business statistics, simply accounting, information management, English and communications. The Accounting Diploma is carefully aligned with the requirements of the CA, CMA, CGA, and CPA accounting designations.

Some unique features of this program are:

- Applied projects and assignments to ensure graduates acquire the practical skills so valued by employers.
- A large offering of courses in Richmond, Surrey and Langley during the day and evening for Fall, Spring and Summer semester for maximum flexibility in your student schedule.
- The opportunity to join the Accounting Society of KPU (ASK) club, providing regular exposure to CA, CMA, CGA, and CPA representatives.

STUDENT PROFILE

Students who excel in the accounting profession have numerical aptitude, strong critical thinking skills, and effective written and oral communications skills. To acquire a professional accounting designation, you must obtain a degree. Students in the Accounting Diploma have the options of pursuing entry-level accounting positions or continuing their education with degree studies leading to a professional accounting designation.

CAREER OPPORTUNITIES

There will always be a need for individuals who can provide accurate and timely financial information to managers, investors and creditors. Financial management is not restricted to any specific industry, management level or country. All organizations have financial information processing and reporting needs.

Career opportunities are numerous and diverse. Placements range from public accounting firms to internal bookkeeping and accounting positions in service companies, manufacturing, retail and merchandising management, banking and financial services, government and the not-for-profit sector.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Note: A first year English course is required for graduation. Students wishing to complete the program without having to undertake any preparatory English courses will need English 12 with a B grade, or the equivalent prerequisite, for direct entry into ENGL 1100. Please make an appointment with an Educational Advisor to plan your course selections accordingly.

PROGRAM REQUIREMENTS

Students must complete a minimum of 60 credits that include:

All of Group A or all of Group B:

Group A

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1210	Introductory Financial Accounting II	3 credits

Group B

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
An elective course (any course numbered 1100 or higher)		3 credits

All of Group C or all of Group D:

Group C

ACCT 3310	Intermediate Financial Accounting I	3 credits
ACCT 3410	Intermediate Accounting II	3 credits

Group D

ACCT 3510	Intermediate Financial Accounting	6 credits
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All of Group E or all of Group F:

Group E

ACCT 3320	Introductory Management Accounting	3 credits
ACCT 3420	Advanced Management Accounting	3 credits

Group F

ACCT 3520	Management Accounting I & II	6 credits
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All of:

ACCT 2235	Introductory Taxation	3 credits
ACCT 3380	Managerial Finance	3 credits

ACCT 3444	Auditing	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
CBSY 2205	Management Information Systems	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
One course in Mathematics*		3 credits
One course in Statistics*		3 credits
ENGL 1100	Introduction to University Writing	3 credits
Two courses in Business (BUSI) and/or Marketing (MRKT) and/or CBSY 2306		6 credits
One elective chosen from approved Faculty of Business Liberal Education Electives (3 or more credits)		

* Notes:

- For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.
- ACCT 1130 or BUQU 1130 Business Mathematics are the core business math courses recommended for the program. Students may earn credits for only ONE of ACCT 1130 or BUQU 1130.
- ACCT 1230 or BUQU 1230 Business Statistics are the core business statistics courses recommended for the program. Students may earn credits for only ONE of ACCT 1230 or BUQU 1230.
- See approved Faculty of Business Liberal Education Electives. The elective may also be an ECON or CMNS course numbered 1100 or higher.
- Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250.

RECOMMENDED COURSE PROGRESSION:

This sequence is the suggested order in which courses can be completed. Students may wish to lessen their course load in any semester and/or take courses in a different sequence. It is possible to do so provided all prerequisite requirements are met.

For assistance with course planning please consult an Educational Advisor.

Semester I

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1130	Business Mathematics OR BUQU 1130 - Business Mathematics	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits

Semester II

ACCT 1210	Introductory Financial Accounting II	3 credits
ACCT 1230	Business Statistics OR BUQU 1230 - Business Statistics	3 credits
CBSY 2205	Computers and Information Processing	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits

Semester III

ACCT 3310	Intermediate Financial Accounting I	3 credits
ACCT 3320	Introductory Management Accounting II	3 credits
ACCT 2235	Introductory Taxation	3 credits
BUSI 1215	Organizational Behaviour	3 credits
BUSI 2390	Business Law	3 credits

Semester IV

ACCT 3410	Intermediate Financial Accounting II	3 credits
ACCT 3420	Advanced Management Accounting	3 credits
ACCT 3380	Managerial Finance	3 credits
ACCT 3444	Auditing	3 credits

Liberal Education elective

FOR GRADUATION PURPOSES ONLY:

- For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.
- Credit will NOT be granted for both ACCT 1210 and ACCT 2293.
- Credit will NOT be granted for ACCT 1160.
- A maximum of 6 credits will be granted for any combination taken of ACCT 3320 (3 credits), ACCT 3420 (3 credits) or ACCT 3520 (6 credits).
- A maximum of 6 credits will be granted for any combination taken of ACCT 3310 (3 credits), ACCT 3410 (3 credits) or ACCT 3510 (6 credits).

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Accounting**.

Accounting: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Accounting Certificate program prepares students for entry-level bookkeeping and accounting positions in the work force or to pursue an Accounting Diploma.

The Certificate program includes an intense concentration of introductory and intermediate courses in financial and management accounting, one course in math and the option to take one course in finance, and/or taxation and/or auditing. The Accounting Certificate is carefully aligned with the requirements of the Accounting Diploma and the CA, CMA, CGA, and CPA accounting designations.

Introductory financial accounting is a prerequisite for other required accounting courses making it necessary to study for at least three semesters to earn all required credits for an Accounting Certificate.

STUDENT PROFILE

Students in the Accounting Certificate have the options of pursuing entry-level positions or continuing their education with diploma and degree studies leading to a professional accounting designation. The Certificate is particularly suited to the individual who wants introductory and intermediate level accounting courses and no other business course requirements.

CAREER OPPORTUNITIES

There will always be a need for individuals who can provide accurate and timely financial information at all levels of accounting and financial management within diverse organizations.

Certificate graduates can pursue bookkeeping and entry-level accounting positions in service companies, manufacturing, retail and merchandising management, banking and financial services, government and the not-for-profit sector.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students must complete 30 credits:

All of Group A or all of Group B:

Group A

ACCT 1110 Introductory Financial Accounting I 3 credits

ACCT 1210 Introductory Financial Accounting II 3 credits

Group B

ACCT 2293 Accelerated Introductory Financial Accounting 3 credits

All of Group C or all of Group D:

Group C

ACCT 3320 Introductory Management Accounting 3 credits

ACCT 3420 Advanced Management Accounting 3 credits

Group D

ACCT 3520 Management Accounting I & II 6 credits

All of Group E or all of Group F:

Group E

ACCT 3310 Intermediate Financial Accounting I 3 credits

ACCT 3410 Intermediate Accounting II 3 credits

Group F

ACCT 3510 Intermediate Financial Accounting 6 credits

One of: *

ACCT 1130 Business Mathematics 3 credits

BUQU 1130 Business Mathematics 3 credits

MATH 1112 Pre-Calculus Algebra 3 credits

MATH 1120 Differential Calculus 3 credits

MATH 1130 Calculus for Life Sciences I 3 credits

MATH 1140 Calculus I (Business Applications) 3 credits

MATH 1190 Mathematics for Elementary School Teachers 4 credits

Two additional courses chosen from the 3000 level of Accounting

* **Note:** Students may earn credit for only ONE of ACCT 1130 or BUQU 1130.

The remaining courses in the certificate (to bring the total number of credits to 30) can be chosen from a wide variety of university offerings so that students can design a program of studies that meets their specific career objectives.

FOR GRADUATION PURPOSES ONLY:

- A maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.
- Credit will NOT be granted for ACCT 1160
- A maximum of 6 credits will be granted for any combination taken of ACCT 3320 (3 credits), 3420 (3 credits) or 3520 (6 credits).
- A maximum of 6 credits will be granted for any combination taken of ACCT 3310 (3 credits), 3410 (3 credits) or 3510 (6 credits)

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Accounting**.

Applied Business Technology: Diploma

All intakes for this program have been postponed indefinitely. Please see Legal Administrative Studies for an alternate program.

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Surrey
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Students may exit at diploma, certificate or citation level. The two-year diploma program (which is currently under review) prepares students for advancement in office careers and/or for transfer into the third year of the KPU Bachelor of Business Administration Degree in Entrepreneurial Leadership. The first year of this program is the Applied Business Technology certificate.

The first year of study provides students with excellent workplace skills of an intensive, practical nature. The curriculum provides a background in Business Communications, Bookkeeping Basics, Computer Competency, Office Dynamics, and Word Processing, as well as courses specific to the specialty option selected by each student. These options are Administrative Assistant and Legal Administrative Assistant. Students may exit the program at the certificate level with skills appropriate to the office workplace.

The ten additional courses required for the diploma will provide students with enhanced knowledge, skills, and attitudes for the various office workplaces they have chosen. They will be better prepared for advancement and for supervisory positions with enhanced communication skills and knowledge of management, organizational behaviour, marketing, microeconomics, human resource management, project management and administrative management. Students also have the opportunity to select from a group of optional courses. Not all courses are offered each semester or each campus.

Transfer to a BBA Degree

Graduates are eligible for admission into the third year of KPU's Bachelor of Business Administration Degree in Entrepreneurial Leadership.

STUDENT PROFILE

Students who are recent high school graduates or are mature students with or without higher education. Students have a large variety of previous work experiences. Some students are seeking entry to the workforce, some are upgrading office skills, some wish for a change in career path, and others have completed higher education and are seeking a hands-on, learning environment with a practical focus.

CAREER OPPORTUNITIES

Graduates find employment in a wide variety of businesses, legal offices and departments. They may be considered for entry-level supervisory and office management positions in both the public and private sector.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Successful completion of the ABTY Certificate or equivalent

PROGRAM REQUIREMENTS

Core Requirements (complete all):

ABTY 2110	Administrative Management	3 credits
ABTY 2120	Project Management	3 credits
CMNS 1140	Business and Technical Communication: Theory and Application	3 credits
BUSI 1250	Human Resources Management I	3 credits
ECON 1150	Principles of Microeconomics*	3 credits
MRKT 1199	Introduction to Marketing*	3 credits
BUSI 1210	Essentials of Management *	3 credits
BUSI 1215	Organizational Behaviour*	3 credits

Electives (complete 3):

ACCT 1230	Business Statistics*	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting*	3 credits
BUSI 2360	Union Management Relations (prerequisites are BUSI 1210 or BUSI 1215)	3 credits
BUSI 2390	Business Law	3 credits
CBSY 2305	Advanced Microcomputer Applications	3 credits
PHIL 1150	Basic Logic	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
ENGL 1100	Introduction to University Writing	3 credits

To be eligible for admission to the Bachelor of Business Administration in Entrepreneurial Leadership Degree, the prescribed bridging courses must be taken within the elective course choices.

* Bridging courses required to enter the BBA degree program

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Applied Business Technology**.

Business Administration: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2013
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The two year diploma in Business Administration will prepare you for an entry level management position. Courses provide basic business skills, a solid grounding in economics, and a foundation in calculus appropriate for advanced studies in economics and operations research. It offers a business diploma with a solid exposure to the liberal arts.

Completion of this diploma (with a minimum grade point average of 2.7 and a minimum grade of C+ in Accounting and Statistics) prepares students for third year admission to the Bachelor of Business Administration (BBA) degrees in Entrepreneurial Leadership, Human Resources Management, and Marketing Management.

The diploma also prepares students for the third year of the Business Administration program at Simon Fraser University (SFU). It should be noted that the completion of a KPU diploma does not guarantee admission to SFU. Admission requirements are set and administered by SFU. As university GPA and admission requirements are reviewed annually, students are advised to stay current by consultation with SFU advisors.

CAREER OPPORTUNITIES

The Diploma program focuses on skills needed for employment in supervisory positions in industrial, financial, commercial, and retailing companies; unions and crown corporations; and in the municipal, provincial and federal governments. Depending on your capabilities and interests, you will have the skills to develop your own business upon graduation.

The Business Administration Diploma also provides a solid foundation for advanced study in disciplines such as economics, accounting, finance or business.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please note: University level English and Math courses are a requirement of this program. Students wishing to complete the program without having to undertake any preparatory courses in these subjects will need English 12 with a minimum grade of B (or the equivalent prerequisite for direct entry into ENGL 1100) and Principles of Math 12 with a minimum grade of C+ (or equivalent prerequisite for direct entry into Math 1140).

Please make an appointment with an Educational Advisor to plan your course selections accordingly.

PROGRAM REQUIREMENTS

Required Courses

The diploma requires the following courses:

All of Group A or all of Group B:

Group A

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1210	Introductory Financial Accounting II	3 credits

Group B

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
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And all of:

ACCT 3320	Introductory Management Accounting	3 credits
BUSI 1215	Organizational Behaviour	3 credits
CBSY 2205	Management Information Systems	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
ECON 2350	Intermediate Microeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits
MATH 1140	Calculus I (Business Applications)*	3 credits

And one of:

BUQU 1230	Business Statistics†	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits

And one of:

ECON 2208	History of Economic Thought	3 credits
ECON 2210	Money and Banking	3 credits
ECON 2260	Environmental Economics	3 credits
ECON 2280	Labour Economics	3 credits
ECON 2255	Globalization in an Economic Framework	3 credits

And one of:

ENGL1202	Reading and Writing about Selected Topics: An Introduction to Literature	3 credits
PHIL 1100	Introduction to Philosophy	3 credits
PHIL 1110	Confronting Moral Issues: Ethics	3 credits
PHIL 1145	Critical Thinking	3 credits

Note:

* MATH 1120 or MATH 1130 can be substituted for MATH 1140

† Students wishing to transfer BUQU 1230 to SFU should consult an SFU advisor.

Dedicated Electives

No more than three courses (including courses listed under Required Courses) from any one discipline may be applied toward this requirement.

GROUP A - TWO OF:

- English
- Fine Arts
- History
- Humanities
- Languages
- Philosophy

GROUP B - ONE OF:

- Anthropology
- Criminology
- Geography (excluding Physical Geography)
- Political Science
- Psychology
- Sociology

GROUP C - ONE OF:

- Astronomy
- Biology
- Chemistry
- Computer Science
- Mathematics
- Physical Geography
- Physics

Suggested Electives

Four additional electives must be chosen to complete the diploma. If ACCT 1110 and ACCT 1210 are taken in place of ACCT 2293, only three additional electives are required.

Note: The combination of ACCT 1110 (3 credits) and ACCT 1210 (3 credits) transfers to SFU as three (3) credits only. Students who choose this option should be aware that although they will have completed the requirements for a diploma in Business Administration at KPU (60 credits), they would only have 57 transferable credits to Simon Fraser University (SFU).

When making your choice of electives, consider that the following suggested courses are prerequisites or introductions for some of the required courses within this diploma:

BUSI 1110	Fundamentals of Business in Canada	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
MATH 1112	Pre-Calculus Algebra	3 credits

Other business-oriented courses that provide a good foundation for more advanced courses are:

CMNS 1140	Business and Technical Communication: Theory and Application	3 credits
MRKT 1235	Small Business Essentials (discontinued)	3 credits
MATH 1240	Calculus II (Business Applications)	3 credits
MRKT 1199	Introduction to Marketing	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Business Administration**.

Business Management: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The two-year Business Management Diploma will prepare you for an entry-level management position. The first year foundation courses provide an understanding of the basic skills and techniques required for effective management in today's business environment. In the second year, you will take specialized courses in organizational behaviour, negotiations, business law, production and operations management, enterprise development, business planning and international business. The program emphasizes real world business applications of key management concepts.

Classes are exciting, practical and participatory. They may include a combination of lectures, exercises, case studies, in-class assignments, projects, student presentations, group work, role-play, structured simulations, field trips and guest speakers. Many classes are offered during evenings to accommodate part-time studies.

All courses may be applied for credit toward any of the following KPU Business Degrees:

- Bachelor of Business Administration (BBA) in Entrepreneurial Leadership
- Bachelor of Business Administration (BBA) in Human Resources Management
- Bachelor of Business Administration (BBA) in Marketing Management

Most of the courses included in this program are also transferable to other universities and colleges (please refer to the BC Transfer Guide at www.bctransferguide.ca regarding the transfer status of courses to specific institutions).

Graduates (with a GPA of 2.7 and with a C+ or higher in Accounting and Statistics) are eligible for direct entry into the third year of KPU's Bachelor of Business Administration Degree in Entrepreneurial Leadership or Bachelor of Business Administration Degree in Human Resources Management, and Bachelor of Business Administration in Marketing Management.

Courses may also transfer individually to the University of British Columbia (UBC), Simon Fraser University (SFU), the University of the Fraser Valley (UFV), the University of Victoria (UVic)

and other institutions. Please refer to the BC Transfer Guide at www.bctransferguide.ca for specific transfer credit information.

CAREER OPPORTUNITIES

Graduates find employment in entry-level management positions in both the private and public sectors, including manufacturing, service, profit, and nonprofit organizations. Some graduates become entrepreneurs and start their own businesses.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please note: A first year English course is a requirement of this program. Students wishing to complete the program without having to undertake any preparatory English courses will need English 12 with a B grade (or the equivalent prerequisite for direct entry into ENGL 1100). Please make an appointment with an Educational Advisor to plan your course selections.

PROGRAM REQUIREMENTS

Completion of the Business Management Diploma requires successful completion of the Core Requirements (10 foundation courses), the Business Management Requirements (eight business courses), and two elective courses.

Core Requirements

Students must take a total of 10 foundation courses in the following subject areas:

One of:

Accounting

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting*	3 credits

All of:

Applied Communications

CMNS 1140	Introduction to Professional Communication	3 credits
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Business

BUSI 1110	Fundamentals of Business in Canada	3 credits
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Computer Business Systems

CBSY 1105	Introductory Computer Applications	3 credits
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One additional CBSY course (3 credits)

English

ENGL 1100	Introduction to University Writing	3 credits
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Marketing

MRKT 1199	Introduction to Marketing	3 credits
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One of:

Economics

ECON 1101	Foundations of Economics**	3 credits
ECON 1150	Principles of Microeconomics*	3 credits

One of:

Mathematics

ACCT 1130	Business Mathematics†	3 credits
BUQU 1130	Business Mathematics†	3 credits

One of:

Statistics

ACCT 1230	Business Statistics‡	3 credits
BUQU 1230	Business Statistics‡	3 credits

Notes:

* ACCT 2293 and ECON 1150 are recommended for students who intend to proceed into any KPU BBA degree program after completing the diploma.

† Students may earn credits for only one of ACCT 1130 or BUQU 1130.

‡ Students may earn credits for only one of ACCT 1230 or BUQU 1230.

** Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250.

Business Management Requirements

In addition to the core requirements, Business Management Diploma students are required to take the following eight business courses:

All of:

BUSI 1210	Essentials of Management	3 credits
BUSI 1215	Organizational Behaviour	3 credits
BUSI 1250	Human Resources Management I	3 credits
BUSI 2390	Business Law	3 credits
BUSI 2405	Operations Management	3 credits
BUSI 2425	Enterprise Development and Business Planning	3 credits
BUSI 2465	Business Negotiations	3 credits
BUSI 2490	International Business	3 credits

Electives

The remaining two courses are electives. Students must select two courses from either the list of approved Faculty of Business Liberal Education Electives or from the list of Economics and/or Applied Communications courses numbered 1100 or higher.

Note: Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250.

For Graduation purposes only:

- a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Business Management**.

Business Management: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The one-year Business Management Certificate Program will provide you with an opportunity to expand your knowledge of business management principles and improve skills in specialized areas of interest. The 10-course program emphasizes real world business applications in key functional areas of management.

Many classes are offered in the evenings to accommodate part-time study. The program completion time may be extended up to a maximum of 10 years.

All courses required for the Business Management Certificate also count as credit towards the Business Management Diploma Program at KPU. In addition, all courses may be applied for full credit toward any of the following KPU Business Degrees:

- Bachelor of Business Administration in Entrepreneurial Leadership
- Bachelor of Business Administration in Human Resources Management
- Bachelor of Business Administration in Marketing Management

Most of the courses included in this program are also transferable to other universities and colleges (please refer to the BC Transfer Guide at www.bctransferguide.ca regarding the transfer status of courses to specific institutions).

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students must take seven Business Management (BUSI) courses, ACCT 1130 or BUQU 1130, and two elective courses from the list below.

Elective choices:

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1230	Business Statistics†	3 credits
BUQU 1230	Business Statistics†	3 credits
BUSI 1215	Organizational Behaviour	3 credits
BUSI 2315	Human Relations in Organizations	3 credits
BUSI 2405	Operations Management*	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
CBSY 2205	Management Information Systems	3 credits
ECON 1101	Foundations of Economics‡	3 credits
ECON 1150	Principles of Microeconomics	3 credits
MRKT 1199	Introduction to Marketing	3 credits

Notes:

* The 30 credit prerequisite requirement for BUSI 2405 is waived for students enrolled in the Business Management Certificate Program. Students must contact the Dean's office for waivers prior to registration.

† Students may earn credits for only one of ACCT 1230 or BUQU 1230.

‡ Credit for ECON 1101 will not be granted if taken after ECON 1150.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Business Management**.

Computer Information Systems: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

This program provides graduates with diverse computing knowledge to meet the needs of organizations of all sizes. KPU students who complete the prescribed courses in the Computer Information Systems (CISY) Diploma program with a GPA of 2.7 or better will be eligible to enter the third year of the Bachelor of Technology in Information Technology Degree program. For more information see Information Technology: Bachelor of Technology.

CAREER OPPORTUNITIES

A graduate of this program may find employment in the following areas:

- Network administration
- Systems and user support
- Database design and management
- Systems analysis and design
- Software development
- Web design and development
- Technical documentation
- C# & Java Programming

PROGRAM ADMISSION REQUIREMENTS

New Admission Requirements for September 2013

Program admission requirements for this program have changed for the Fall 2013 intake.

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Foundations of Mathematics 11 with a minimum grade of C+ (or equivalent), or Pre-Calculus 11 with a minimum grade of C (or equivalent).

Note: A first year undergraduate-level English course is a graduation requirement, therefore students wishing to complete

the program without having to undertake any preparatory courses must enter with English 12—B (or equivalent)

It is expected that applicants to the program have aptitude for working with computers, understand general computing concepts, have basic computer skills and working knowledge of the Windows environment. It is recommended you make an appointment with an Academic Advisor to plan your course selections accordingly.

PROGRAM REQUIREMENTS

This program is available to students as a full-time or part-time study schedule and requires the completion of 60 credits.

60 credits including:

Year 1 courses

INFO 1111	Introduction to Computer Hardware and Software	3 credits
INFO 1112	Principles of Program Structure and Design	3 credits
INFO 1113	Systems Analysis and Design	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
INFO 1211	Operating Systems Principles and Applications	3 credits
INFO 1212	Networking Technologies I	3 credits
INFO 1213	Web Application Development	3 credits
INFO 1214	Discrete Mathematics for Information Technology	3 credits

Year 2 courses

ENGL 1100	Introduction to University Writing	3 credits
INFO 2311	Networking Technologies II	3 credits
INFO 2312	Database Management Systems	3 credits
INFO 2313	Object-Oriented Programming	3 credits
INFO 2411	Foundations of Computer Security	3 credits
INFO 2412	Management of Information Systems	3 credits
INFO 2413	System Development Project	3 credits

Courses taken during Year 1 and 2

BUSI 1110	Fundamentals of Business in Canada	3 credits
BUQU 1130	Business Mathematics	3 credits
BUQU 1230	Business Statistics	3 credits
CPSC 2302	Data Structures and Program Organization	3 credits

Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to the program.

CO-OPERATIVE EDUCATION

The Computer Information Systems diploma is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Students can complete two work semesters while completing their diploma. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Good academic standing

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 30 program credits
- Minimum program GPA of 2.33

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 30 program credits
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B or COOP 2150A/2150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

OTHER INFORMATION

Students enrolled in this program are expected to have their own laptop computers. Students should expect to invest a minimum of an additional 30 hours per week completing assignments and projects.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Computer Information Systems**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Diploma in Computer Information Systems, Co-operative Education Option**.

Computer Information Systems: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Computer Information Systems Certificate (CISY) offers a unique practitioner-oriented approach to systems support and software development. Computer Information Systems courses are offered by the Computer Science and Information Technology department. All courses required for the certificate count as credit towards the Computer Information Systems diploma and the Bachelor of Technology in Information Technology (BTECH) degree.

Upon completion of the Computer Information Systems Certificate program students are encouraged to pursue the Computer Information Systems diploma program and subsequently, the Bachelor of Technology in Information Technology degree, to strengthen their IT skills and broaden their career options. Students interested in the CISY diploma and/or the BTECH degree program should consult a School of Business Advisor for course planning assistance.

With proper course planning CISY certificate students may also complete the requirements of the 60 credit General Business Diploma, which can then be used to gain entry to the following KPU degrees:

- Bachelor of Business Administration in Entrepreneurial Leadership
- Bachelor of Business Administration in Human Resources Management
- Bachelor of Administration in Marketing Management

CAREER OPPORTUNITIES

Graduates of the Computer Information Systems Certificate Program may find employment in the following areas:

- Systems and user support
- Systems analysis and design
- Software development
- Web design and development
- Network administration

PROGRAM ADMISSION REQUIREMENTS

New Admission Requirements for September 2013

Program admission requirements for this program have changed for the Fall 2013 intake.

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Foundations of Mathematics 11 with a minimum grade of C+ (or equivalent), or Pre-Calculus 11 with a minimum grade of C (or equivalent).

PROGRAM REQUIREMENTS

This program is available to students as a full-time or part-time study schedule and requires the completion of 30 credits.

All of:

INFO 1111	Introduction to Computer Hardware and Software	3 credits
INFO 1112	Principles of Program Structure and Design	3 credits
INFO 1113	System Analysis and Design	3 credits
INFO 1211	Operating System Principles and Applications	3 credits
INFO 1212	Networking Technologies I	3 credits
INFO 1213	Web Application Development	3 credits
INFO 1214	Discrete Mathematics for Information Technology	3 credits
BUQU 1230	Business Statistics	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits

And one of:

CMNS 1110	Fundamentals of Business Communication	3 credits
CMNS 1140	Introduction to Professional Communication*	3 credits

Notes:

* Students choosing to take CMNS 1140 rather than CMNS 1110 may be required to undertake English upgrading.

OTHER INFORMATION

Students enrolled in this program are expected to have their own laptop computers.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Computer Information Systems**.

Economics: Bachelor of Arts Minor

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Economics students begin their first year of studies with courses that provide a foundation in microeconomics and macroeconomics principles. In their second year, students will build on their foundation of economic principles and take two additional economics courses that will broaden their knowledge. Students will be able to select from a number of theory and field courses. Third and fourth year courses will offer specialized topics to provide students with a broad understanding of the discipline.

Students can earn a Bachelor of Arts (BA) - Double Minor by pairing a BA Minor in Economics with a BA Minor in such fields as Anthropology, Criminology, Creative Writing, English, Geography, History, Mathematics, Philosophy, Political Science, Psychology and Sociology.

CAREER OPPORTUNITIES

The BA Minor in Economics provides students with a solid understanding of economic principles as well as analytical and problem-solving skills. Training in Economics is an excellent foundation for students who wish to go on to complete advanced professional degrees such as law, community development, or business.

The study of Economics prepares students for careers in banking, financial advising and analysis, stock broking, journalism, real estate, insurance, international trade and diplomacy, teaching, and all levels of government careers.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:

- Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
- Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
- Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000-and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000-and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses

- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Core Requirements

ECON 1150	Principles of Microeconomics	3 credits
ECON 1250	Principles of Macroeconomics	3 credits

1000-2000 Level

Students will be required to take six more credits in Economics from the courses listed below as well as meet BA entrance requirements in order to apply for the BA Minor in Economics.

ECON 1110	Making Economic Sense of Life	3 credits
ECON 2210	Money and Banking	3 credits
ECON 2255	Globalization in an Economic Framework	3 credits
ECON 2260	Environmental Economics	3 credits
ECON 2280	Labour Economics	3 credits
ECON 2350	Intermediate Microeconomics	3 credits
BUQU 2100	Quantitative Methods for Business and Economics	3 credits

3000-4000 Level

Students will be required to take the fifteen credits in Economics from the courses listed below. Students will be required to take a maximum of twelve credits at the 3000 level and at least three credits at the 4000 level.

ECON 3100	Economics and Sustainability	3 credits
ECON 3150	Managerial Economics	3 credits
ECON 3211	Economic History of Canada	3 credits
ECON 3251	Women and the Economy	3 credits
ECON 3270	Industrial Organization	3 credits
ECON 3333	Introductory Econometrics	3 credits
ECON 3350	Intermediate Microeconomics II	3 credits
ECON 3362	Natural Resource Economics	3 credits
ECON 3450	Intermediate Macroeconomics	3 credits
ECON 3451	Macroeconomic Policy I	3 credits
ECON 3455	International Economics	3 credits

ECON 3555	Economic Development	3 credits
ECON 4451	Macroeconomic Policy II	3 credits
ECON 4700	The Economics of Crime	3 credits
ECON 4710	Law and Economics	3 credits
ECON 4900	Special Topics in Economics	3 credits

CREDENTIAL AWARDED

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Economics**.

Economics: Associate of Arts Degree

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Economics.

This program of study is recommended for students interested in pursuing a career in economics or finance and is designed to provide the foundations required for upper level courses.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Note: Since both economics and finance require a fair amount of mathematical ability, there is a calculus recommendation. For students wishing to complete the program without having to undertake any preparatory courses or additional courses it is recommended students have credit for Principles of Math 12, or equivalent, with a minimum grade of C+ or better, to satisfy Math pre-requisites.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Arts degree, you must complete at least 60 credits with a minimum grade of C in each course including the following:

All of:

ECON 1150	Principles of Microeconomics	3 credits
ECON 1250	Principles of Macroeconomics	3 credits
ECON 2210	Money & Banking	3 credits
ECON 2350	Intermediate Microeconomics I	3 credits
POLI 1125	Introduction to Political Science	3 credits

POLI 2150	States, Markets, Globalization: International Political Economy	3 credits
SOCI 1125	Introduction to Sociology	3 credits
SOCI 2260	Research Methods in Sociology	3 credits

One of:

ECON 2255	Globalization in an Economic Framework	3 credits
ECON 2260	Environmental Economics	3 credits
ECON 2280	Labour Economics	3 credits

One of:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences 1	3 credits
MATH 1140	Calculus 1 (Business Applications)	3 credits

One of:

ACCT 1230	Business Statistics	3 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits
PSYC 2300	Applied Statistics	3 credits

One of:

PHIL 1145	Critical Thinking	3 credits
PHIL 1150	Basic Logic	3 credits
PHIL 1155	Scientific Reasoning	3 credits

Students intending on pursuing a Major or Minor in Economics are encouraged to take a second course in calculus and a course in linear algebra. Those pursuing a degree in Finance should also take Accelerated Introductory Financial Accounting.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Arts Degree in Economics**.

Entrepreneurial Leadership: Bachelor of Business Administration

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Business Administration (BBA) in Entrepreneurial Leadership program provides full-time and part-time intensive study for students wishing to earn a business degree.

Based on extensive consultations with business leaders, this degree is designed for managers and entrepreneurs who intend to take business leadership roles or start their own businesses. Graduates will be engaged in enterprise development and management and leadership in small and medium-sized business.

This degree is an appropriate goal for students who want to study beyond a diploma or their initial two years of post-secondary education. Students enter the program in Year 1 or in Year 3 after successfully completing a 60 credit business diploma or 60 credits of study at a post-secondary institution, with appropriate bridging courses.

Many degree classes are scheduled after 4:00 p.m. and in the evening to allow students to further their education while maintaining current employment.

Students acquire the following:

- Technical business skills through subject specific studies
- General success skills through essential skills studies
- A better understanding of human society and how to contribute to it through liberal education studies

Some unique features of this program are:

- Practicum, learning partnerships with business, applied projects and assignments and ongoing work experience
- Entry points that allow for the transfer of credits from recognized post-secondary programs
- Focus on management of small to medium sized businesses, entrepreneurial management and management of service sector enterprises
- Exit/re-entry flexibility, where a student can complete the program at their own pace. This allows for changing outside-

- of-school time requirements and does not lock a student into a rigid program structure and time-frame
- Professional development for individuals seeking higher level training
- Students can qualify for a diploma in General Business Studies after completion of the first 60 credits of core courses

- BUSI 1210 - Essentials of Management (or BUSI 1215 Organizational Behavior) with a minimum grade of C
- CBSY 1105 - Introductory Computer Applications (or CBSY 2205 Computers and Information Processing) with a minimum grade of C

CAREER OPPORTUNITIES

Depending upon their capabilities and experience, a graduate may be able to attain advancement with their current employer, develop their own business enterprise, or fill a variety of management and leadership positions in small and medium-sized businesses.

PROGRAM ADMISSION REQUIREMENTS

Year 1 Admission:

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please Note: One post-secondary English course, equivalent to Kwantlen's ENGL 1100, is a graduation requirement for all Kwantlen degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Year 3 Admission / Continuance

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

In addition, students may enter the program in Year 3 provided they have ONE of the following:

- Completion of a business-related diploma from a recognized post-secondary institution, with:
 - a minimum of 60 credits
 - a GPA of 2.7 or higher; and
 - a minimum grade of C+ in Accounting and Statistics

OR

- Completion of 60 transferable credits at the undergraduate level from a recognized post-secondary institution, including:
 - a minimum GPA of 2.7; and
 - a minimum grade of C+ in Accounting and Statistics
 - the following six required bridging courses or transferable equivalents:
 - ACCT 1230 - Business Statistics (or BUQU 1230) with a minimum grade of C+.
Note: Students may earn credit for only one of ACCT 1230 or BUQU 1230.
 - ACCT 2293 - Introductory Financial Accounting (or ACCT 1110 and ACCT 1210) with a minimum grade of C+
 - ECON 1150 - Principles of Microeconomics with a minimum grade of C
 - MRKT 1199 - Introduction to Marketing with a minimum grade of C

PROGRAM REQUIREMENTS

The degree program requires a minimum of 120 credits of required courses and electives. Students admitted to Year 3 will have already completed a minimum of 60 credits. If a first year English course was not completed prior to Year 3 entry, degree completion will require more than 120 credits in total. The third and fourth year courses are rigorous and demanding. Students should carefully consider the time requirements of part-time versus full-time study based on their individual work and personal situations.

Note: Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to the program. It may be necessary for students to take courses at both Surrey and Richmond campuses to complete the program.

Year 1

One of:

ACCT 1130	Business Mathematics*	3 credits
BUQU 1130	Business Mathematics*	3 credits

One of:

ACCT 1230	Business Statistics†	3 credits
BUQU 1230	Business Statistics†	3 credits

One of:

BUSI 1210	Essentials of Management	3 credits
BUSI 1215	Organizational Behaviour	3 credits

One of:

CPSC 1100	Introduction to Computer Literacy	3 credits
CBSY 1105	Introductory Computer Applications	3 credits

All of:

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
BUSI 1110	Fundamentals of Business	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ENGL 1100	Writing, Reading & Thinking: An Introduction	3 credits
MRKT 1199	Introduction to Marketing	3 credits

Notes:

* Students may earn credit for only one of ACCT 1130 or BUQU 1130

†Students may earn credit for only one of ACCT 1230 or BUQU 1230.

Year 2

All of:

ECON 1250	Principles of Macroeconomics	3 credits
BUSI 2390	Business Law	3 credits
ACCT 3320	Introductory Management Accounting	3 credits
CBSY 2205	Management Information Systems	3 credits

An elective (this can be any course numbered 1100 or higher) with a minimum of 3 credits

One of:

MRKT 1299	Consumer Behaviour	3 credits
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An elective selected from the list of approved Faculty of Business Liberal Education Electives with a minimum of 3 credits

An Economics course numbered 1100 or higher†with a minimum of 3 credits

An Applied Communications course numbered 1100 or higher with a minimum of 3 credits

Four courses numbered 2000 or higher selected from the following subject areas:

- Accounting (ACCT) minimum of 3 credits
- Business Management (BUSI) minimum of 3 credits
- Computer Business Systems (CBSY) minimum of 3 credits
- Economics (ECON) minimum of 3 credits
- Marketing (MRKT) minimum of 3 credits

Note:

† Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250

Year 3

All of:

ENTR 3000	Professional Business Communications	3 credits
ENTR 3110	Advanced Organizational Behaviour	3 credits
ENTR 3120	Managerial Accounting*	3 credits
ENTR 3130	Production and Operations Management	3 credits
ENTR 3140	Entrepreneurial Marketing	3 credits
ENTR 3160	Information Technology for Business	3 credits

One of:

ENTR 3150	Business Economics	3 credits
ECON 3150	Managerial Economics	3 credits

One of:

ENTR 3170	Entrepreneurial Finance	3 credits
ACCT 3380	Managerial Finance	3 credits

Year 4

All of:

ENTR 4110	Business Leadership	3 credits
ENTR 4120	Human Resource Management	3 credits
ENTR 4140	Entrepreneurial Sales and Customer Service*	3 credits
ENTR 4200	Business Strategy	3 credits
ENTR 4250	Entrepreneurial Leadership Practicum†	6 credits
ENTR 4300	Entrepreneurial Management for Service Companies	3 credits

Notes:

* Students are required to participate in an actual sales project that counts towards their graded assessment.

† Students are required to participate in an actual business launch project that counts towards their graded assessment.

Liberal Education Courses

All business degrees require a minimum of 18 credits of liberal education that include:

- A first year English course (ENGL 1100 or equivalent). If this was not completed prior to BBA entry it must be completed prior to graduation.
- One 3rd or 4th year Ethics course chosen from:
 - PHIL 3033 Business Ethics OR
 - LBED 4210 Ethics and Social Issues (discontinued)
- Four electives chosen from the list of approved Faculty of Business Liberal Education Electives. **Note:** No more than 3 credits can be taken from any one of CMNS, ECON or MRKT courses found on the list of approved electives.

CO-OPERATIVE EDUCATION

The BBA in Entrepreneurial Leadership is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Successful completion of 30 program credits based on first year entry or admission to third year
- Minimum program GPA of 2.7

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 program credits (based on first year entry)
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 45 program credits based on first year entry or admission to third year
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101 Job Search Techniques 1 credit

And all of:

COOP 1150* Co-op Work Semester 1 9 credits

COOP 2150* Co-op Work Semester 2 9 credits

COOP 3150* Co-op Work Semester 3 9 credits

Optional:

COOP 4150* Co-op Work Semester 4 9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Business Administration in Entrepreneurial Leadership**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Business Administration in Entrepreneurial Leadership, Co-operative Education Option**.

General Business Studies: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The two-year General Business Studies Diploma is a flexible diploma option, allowing you to select a variety of business courses once you have fulfilled the core requirements of the program. Graduates of this program (with a minimum grade point average of 2.7 and a C+ or higher in Accounting and Statistics) are eligible for direct entry into the third year of the following KPU Business Degrees:

- Bachelor of Business Administration (BBA) in Entrepreneurial Leadership
- Bachelor of Business Administration (BBA) in Human Resources Management
- Bachelor of Business Administration (BBA) in Marketing Management

With proper course planning, Computer Information Systems (CISY) certificate students may also complete the requirements of the General Business Studies Diploma.

Many classes are offered in the evening to accommodate part-time studies.

Most of the courses included in this program are also transferable to other universities and colleges (please refer to the BC Transfer Guide at www.bctransferguide.ca regarding the transfer status of courses to specific institutions).

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please note: A first year English course is required. Students wishing to complete the program without having to undertake any preparatory English courses will need English 12 with a B grade (or the equivalent prerequisite for direct entry into ENGL 1100). Please make an appointment with an Educational Advisor to plan your course selections.

PROGRAM REQUIREMENTS

Core Requirements:

Students must take a total of 10 foundation courses in the following subject areas:

One of:

Accounting*

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting	3 credits

One of:

Business*

BUSI 1110	Fundamentals of Business in Canada	3 credits
BUSI 1215	Organizational Behaviour	3 credits

One of:

Economics*

ECON 1101	Foundations of Economics	3 credits
ECON 1150	Principles of Microeconomics	3 credits

One course in Mathematics:

ACCT 1130 or BUQU 1130 Business Mathematics are the core business mathematics courses recommended for the program.

ACCT 1130	Business Mathematics†	3 credits
BUQU 1130	Business Mathematics†	3 credits

One course in Statistics:

ACCT 1230 or BUQU 1230 Business Statistics are the core business statistics courses recommended for the program.

ACCT 1230	Business Statistics‡	3 credits
BUQU 1230	Business Statistics‡	3 credits

Two courses in Computing:

Two Computer Business Systems courses:

CBSY 1105	Introductory Computer Applications	3 credits
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One additional CBSY course

OR two Computer Information Systems courses:

CISY 1105	PC Hardware and Applications	3 credits
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One additional CISY course

All of:

Applied Communications

CMNS 1140	Introduction to Professional Communication	3 credits
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English

ENGL 1100	Introduction to University Writing*	3 credits
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Marketing

MRKT 1199	Introduction to Marketing	3 credits
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Notes:

* ACCT 2293, BUSI 1215, and ECON 1150 are recommended for students who intend to pursue both a diploma and BBA degree at KPU in future.

† Students may earn credits for only one of ACCT 1130 or BUQU 1130.

‡ Students may earn credits for only one of ACCT 1230 or BUQU 1230.

Business Studies Requirements

In addition to core requirements, General Business Studies students are required to take six courses at the 2000 level or higher from at least two of the following areas:

- Accounting (3000 level courses)
- Business
- Computer Business Systems or Computer Information Systems
- Economics
- Marketing (including MRKT 1299)

Electives

The remaining four courses are electives. A minimum of two courses must be chosen from the list of approved Faculty of Business Liberal Education Electives or from the list of Economics and/or Applied Communications courses numbered 1100 or higher.

For the remaining two electives students may select any university courses numbered 1100 or higher.

Note: Credit for ECON 1101 will not be granted if taken after ECON 1150 or ECON 1250.

For Graduation Purposes only:

- For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in General Business Studies**.

General Business Studies: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The one-year General Business Studies Certificate Program is designed to provide you with a broad range of fundamental business skills and an understanding of the business environment. Many classes are offered in the evening to accommodate part-time studies. All of the certificate courses can be applied towards the General Business Studies diploma program or the following KPU business degrees:

- Bachelor of Business Administration (BBA) in Entrepreneurial Leadership
- Bachelor of Business Administration (BBA) in Human Resource Management
- Bachelor of Business Administration (BBA) in Marketing Management

Most of the courses included in this program are also transferable to other universities and colleges (please refer to the BC Transfer Guide at www.bctransferguide.ca regarding the transfer status of courses to specific institutions).

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Note: Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or better, or equivalent.

PROGRAM REQUIREMENTS

Students must take a total of nine foundation courses and one elective:

One of:

Accounting*

ACCT 1110 Introductory Financial Accounting I 3 credits

ACCT 2293 Accelerated Introductory Financial Accounting 3 credits

One of:

Business*

BUSI 1110 Fundamentals of Business in Canada 3 credits

BUSI 1215 Organizational Behaviour 3 credits

One of:

Economics*

ECON 1101 Foundations of Economics 3 credits

ECON 1150 Principles of Microeconomics 3 credits

One of:

Mathematics

ACCT 1130 Business Mathematics† 3 credits

BUQU 1130 Business Mathematics† 3 credits

One of:

Applied Communications / English

CMNS 1140 Introduction to Professional Communication 3 credits

ENGL 1100 Introduction to University Writing* 3 credits

One of:

Statistics

ACCT 1230 Business Statistics‡ 3 credits

BUQU 1230 Business Statistics‡ 3 credits

All of:

Computer Business Systems

CBSY 1105 Introductory Computer Applications 3 credits

One additional CBSY course

Marketing

MRKT 1199 Introduction to Marketing 3 credits

Electives

One elective from any of the above disciplines

Notes:

* ACCT 2293, BUSI 1215, ECON 1150 and ENGL 1100 are recommended for students who intend to pursue both a diploma and BBA degree at KPU in future.

† Students may earn credits for only one of ACCT 1130 or BUQU 1130.

‡ Students may earn credits for only one of ACCT 1230 or BUQU 1230.

For Graduation Purposes only:

- A maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293

Typical Course Progression (Full-Time)

This sample schedule will assist students who wish to complete the General Business Studies Certificate Program in one year. Although this schedule is highly recommended, course registration is subject to availability. Students may choose to take some courses out of sequence and create alternate timetables that still meet the certificate requirements.

Semester 1

BUSI 1215	Organizational Behaviour	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
ENGL 1100	Introduction to University Writing	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ACCT 1130 or BUQU 1130	Business Mathematics	3 credits

Semester 2

ACCT 1230 or BUQU 1230	Business Statistics	3 credits
CBSY 2205	Management Information Systems	3 credits
MRKT 1199	Introduction to Marketing	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting	3 credits

One Elective

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in General Business Studies**.

Human Resources Management: Post Baccalaureate Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Post Baccalaureate Diploma
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Post Baccalaureate Diploma in Human Resources Management is a 30-credit program designed for adult learners who have completed a bachelor-level degree, and who are looking for a pathway to professional employment in the human resources management profession. The Diploma program builds on the base established by the Bachelor of Business Administration (BBA) in Human Resources Management to give adult learners another avenue to upgrade skills required for advancement in the growing human resources field.

Classes are exciting, practical and participatory. They may include a combination of lectures, exercises, case studies, in-class assignments, projects, student presentations, group work, role-play, structured simulations, field trips and guest speakers. All classes are offered during evenings to accommodate students who wish to complete the program on a part-time basis.

CAREER OPPORTUNITIES

Based on extensive consultations with business leaders, and explicit reference to the Required Professional Capabilities of the Certified Human Resources Professional (CHRP) designations, the Diploma is designed to prepare students to achieve the CHRP designation and prepare for a range of human resources professional roles; some of which include:

- Manager
- Consultant
- Analyst
- Advisor
- Coordinator

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- applicants require successful completion of a recognized Bachelor's degree.

Applicants graduating from a Bachelor's degree program that does not include at least a minor in Business may be required to take two qualifying courses in order to ensure their success in the program:

- BUSI 1210 Essentials of Management
and
- ACCT 1110 Principles of Accounting I or ACCT 1160 Essentials of Accounting

Applicants who have extensive business experience in human resources management may contact a School of Business Degree Advisor in the Dean's office to request that the department waive the requirement to complete these two courses prior to program entry.

PROGRAM REQUIREMENTS

Students must complete the following courses with a minimum 2.5 grade point average:

HRMT 3115	Human Relations in Organizations	3 credits
HRMT 3125	Employment Law	3 credits
HRMT 3135	Recruitment and Selection	3 credits
HRMT 3145	Occupational Health and Safety	3 credits
HRMT 3255	Total Compensation	3 credits
HRMT 3265	Employee Development and Coaching	3 credits
HRMT 4115	Labour Relations	3 credits
HRMT 4125	Organizational Development*	3 credits
HRMT 4500	Strategic Human Resources Management	6 credits

* **Note:** The co-requisite requirement of ENTR 4110 for HRMT 4125 is automatically waived for students in the Post Baccalaureate program.

While it is possible to complete the program in one year (three semesters), registration in all required courses is subject to space availability. Students must be prepared to take more than three semesters to complete the program. Please consult a Business Degree Advisor for course planning assistance.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Post Baccalaureate Diploma in Human Resources Management**.

Human Resources Management: Bachelor of Business Administration

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Business Administration (BBA) Program in Human Resources Management provides full-time and part-time intensive study for students wishing to undertake studies in the human resources management field.

Based on extensive consultations with business leaders, and explicit reference to the Required Professional Capabilities of the Certified Human Resources Practitioner (CHRP) designations, the degree is designed to prepare students to achieve the CHRP designation and for a range of Human Resources Professional roles.

This degree is designed as a four year program which students can enter in Year 1 or Year 3 after successfully completing a 60 credit business diploma or 60 credits of study at a post-secondary institution, with appropriate bridging courses.

Many degree classes are scheduled after 4:00 p.m. to allow students to further their education while maintaining current employment.

Students acquire:

- Technical business skills through subject specific studies
- General success skills through employability skills studied; and
- A better understanding of human society and how to contribute to it through liberal education studies

Some unique features of the program are:

- Direct incorporation of Intended Learning Outcomes based on the Certified Human Resources Professional Requirements and industry feedback;
- Practicum, learning partnerships with business, applied projects and assignments and ongoing work experience;
- Third year entry that allows for the transfer of credits from recognized post-secondary programs;
- Exit/re-entry flexibility, where a student can complete the program at their own pace. This allows for changing outside-

of-schools time requirements and does not lock a student into a rigid program, structure and time frame;

- Professional development for individuals seeking higher level training.

CAREER OPPORTUNITIES

Depending upon their capabilities and experience, a graduate may be able to enter or advance within the field of human resources management. The BBA in Human Resources Management has been designed to incorporate the Required Professional Capabilities of the Certified Human Resources Professional (CHRP) credential as issued by the B.C. Human Resources Management Association.

PROGRAM ADMISSION REQUIREMENTS

Students may enter the program any time admission requirements are met.

Year 1 Admission

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please Note: One post-secondary English course, equivalent to Kwantlen's ENGL 1100, is a graduation requirement for all Kwantlen degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Year 3 Admission / Continuance

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

In addition, students may enter the program in Year 3 provided they have ONE of the following:

- Completion of a business-related diploma from a recognized post-secondary institution, with:
 - a minimum of 60 credits
 - a GPA of 2.7 or higher; and
 - a minimum grade of C+ in Accounting and Statistics

OR

- Completion of 60 transferable credits at the undergraduate level from a recognized post-secondary institution, including:
 - a minimum GPA of 2.7; and
 - a minimum grade of C+ in Accounting and Statistics
 - the following six required bridging courses or transferable equivalents:
 - ACCT 1230 - Business Statistics (or BUQU 1230) with a minimum grade of C+.
Note: Students may earn credit for only one of ACCT 1230 or BUQU 1230.
 - ACCT 2293 - Introductory Financial Accounting (or ACCT 1110 and ACCT 1210) with a minimum grade of C+
 - ECON 1150 - Principles of Microeconomics with a minimum grade of C

- MRKT 1199 - Introduction to Marketing with a minimum grade of C
- BUSI 1210 - Essentials of Management (or BUSI 1215 Organizational Behavior) with a minimum grade of C
- CBSY 1105 - Introductory Computer Applications (or CBSY 2205 Computers and Information Processing) with a minimum grade of C

PROGRAM REQUIREMENTS

The degree program requires a minimum of 120 credits of required courses and electives. Students admitted to year 3 will have already completed a minimum of 60 credits. If a first year English course was not completed prior to Year 3 entry, degree completion will require more than 120 credits in total. The third and fourth year courses are rigorous and demanding. Students should carefully consider the time requirements of part-time versus full-time study based on their individual work and personal situations.

Note: Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to the program.

Years 1 and 2

All of:

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
One course in Mathematics*		3 or more credits
One course in Statistics†		3 or more credits
BUSI 1215	Organizational Behavior	3 credits
BUSI 1250	Human Resources Management	3 credits
BUSI 2405	Operations Management	3 credits
BUSI 2390	Business Law	3 credits
BUSI 2360	Union/Management Relations	3 credits
BUSI 2465	Business Negotiations	3 credits
CMNS 1140	Applied Communications	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
One other CBSY course		3 or more credits
ECON 1150	Principles of Microeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits
MRKT 1199	Introduction to Marketing	3 credits

Two additional courses from any of:

- Accounting
- Computer Business Systems
- Economics
- Marketing

Three electives: these can be any course numbered 1100 or higher.

Notes:

* ACCT 1130 and BUQU 1130 Business Mathematics are the core business math courses recommended for the program. Students may earn credits for only ONE of ACCT 1130 or BUQU 1130.

† ACCT 1230 or BUQU 1230 Business Statistics are the core business statistics courses recommended for the program. Students may earn credits for only ONE of ACCT 1230 or BUQU 1230.

Year 3

All of:

HRMT 3115	Human Relations in Organizations	3 credits
HRMT 3125	Employment Law	3 credits
HRMT 3135	Recruitment and Selection	3 credits
HRMT 3145	Occupational Health and Safety	3 credits
HRMT 3255	Total Compensation	3 credits
ENTR 3000	Professional Business Communications	3 credits
ENTR 3120	Managerial Accounting for Entrepreneurs	3 credits
ENTR 3160	Information Technology for Business	3 credits
ENTR 3170	Entrepreneurial Finance	3 credits

One of:

ENTR 3150	Business Economics	3 credits
ECON 3150	Managerial Economics	3 credits
ECON 2350	Intermediate Microeconomics	3 credits

Year 4

All of:

HRMT 3265	Employee Development and Coaching	3 credits
HRMT 4115	Labour Relations	3 credits
HRMT 4125	Organizational Development	3 credits
ENTR 4110	Business Leadership	3 credits
HRMT 4500	Strategic Human Resources Management	6 credits

Liberal Education Courses

All business degrees require a minimum of 18 credits of liberal education that include:

- A first year English course (ENGL 1100 or equivalent). If this was not completed prior to BBA entry it must be completed prior to graduation.
- One 3rd or 4th year Ethics course chosen from:
 - PHIL 3033 Business Ethics OR
 - LBED 4210 Ethics and Social (discontinued)
- Four electives chosen from the list of approved Faculty of Business Liberal Education Electives. **Note:** No more than 3 credits can be taken from any one of CMNS, ECON or MRKT courses found on the list of approved electives.

CO-OPERATIVE EDUCATION

The BBA in Human Resources Management degree is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Successful completion of 30 program credits based on first year entry or admission to third year
- Minimum program GPA of 2.7

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 program credits (based on first year entry)
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 45 program credits based on first year entry or admission to third year
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits
COOP 3150*	Co-op Work Semester 3	9 credits

Optional:

COOP 4150* Co-op Work Semester 4 9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Business Administration in Human Resources Management**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Business Administration in Human Resources Management, Co-operative Education Option**.

Information Technology: Bachelor of Technology

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Technology in Information Technology (BTech in IT) program allows students to earn a bachelor degree that prepares them for employment in the IT industry in Canada or for graduate school. Canada expects to hire over 100,000 new workers in the IT industry between 2011 and 2016. The BTech (IT) degree offers courses in computer hardware, operating systems, computer networks that lead to CISCO certification, computer security, server systems, virtualization and cloud computing, wireless networks, web programming, web design, web application development, mobile and social media application development, IT program management and entrepreneurship. Graduates of the program will work as system administrators, system analysts, networking professionals, software developers, web developers, mobile app developers, and IT project managers.

Students may apply to start the program in the summer semester but should note that course offerings may be limited. They are advised to consult a business degree advisor for course planning assistance.

Specific features of this program are:

- Recently revised curriculum with contemporary course contents
- Specializations in computer network administration and security, and mobile and web application development that provide focused, in-depth training in key IT areas
- Practical projects in most courses
- Course offerings during the day and in the evening for Fall, Spring and Summer semesters provide maximum flexibility for student schedules
- Year-long capstone project course provides students opportunities for advanced research and opportunities to work with real projects from industry
- Co-op opportunities with wide range of employers while earning a degree
- Professional networking opportunities to prepare for employment after graduation
- Flexible exit points with certificate (after 1 year), diploma (after 2 years) and degree (after 4 years)

CAREER OPPORTUNITIES

Graduates of this program may find employment in the following areas:

- Enterprise network system administration
- Information System security
- Web design, development and integration
- Mobile software application development
- Software analysis design and development
- Software quality assurance, testing and validation
- Enterprise resource planning (ERP) systems implementation
- Project management
- Hardware and software technical support
- Wireless systems development

PROGRAM ADMISSION REQUIREMENTS

New Admission Requirements for September 2013

Program admission requirements for this program have changed for the Fall 2013 intake.

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year 1 Admission:

- Foundations of Mathematics 11 with a minimum grade of C+ (or equivalent) or Pre-Calculus 11 with a minimum grade of C (or equivalent).

Please Note: One post-secondary English course, equivalent to KPU's ENGL 1100, is a graduation requirement for all KPU degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Year 3 Admission:

Students may be admitted to the program in Year 3 provided they have ONE of the following:

1. KPU's Computer Information Systems (CISY) diploma with a minimum GPA of 2.7.
- OR
2. A 60-credit diploma with a minimum GPA of 2.7 in the discipline of computer science, computer information systems, information technology or the equivalent, from a recognized post-secondary institution.

CONTINUANCE REQUIREMENTS

For students admitted to Year 1 of the program, continuation into Year 3 requires:

- successful completion of Year 1 and 2 program requirements (minimum 60 credits)
- minimum cumulative GPA of 2.0

PROGRAM REQUIREMENTS

The degree program requires a minimum of 120 credits of required courses and electives. Students admitted to year 3 will have already completed a minimum of 60 credits. If a first-year English course was not completed prior to year 3 entry, degree completion will require more than 120 credits in total.

Year 1 and 2

60 credits including:

Year 1 courses

INFO 1111	Introduction to Computer Hardware and Software	3 credits
INFO 1112	Principles of Program Structure and Design	3 credits
INFO 1113	Systems Analysis and Design	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
PHIL 1150	Introduction to Formal Logic	3 credits
INFO 1211	Operating Systems Principles And Applications	3 credits
INFO 1212	Networking Technologies I	3 credits
INFO 1213	Web Application Development	3 credits
INFO 1214	Discrete Mathematics for Information Technology	3 credits

Year 2 courses

ENGL 1100	Introduction to University Writing	3 credits
INFO 2311	Networking Technologies II	3 credits
INFO 2312	Database Management Systems	3 credits
INFO 2313	Object-Oriented Programming	3 credits
INFO 2411	Foundations of Computer Security	3 credits
INFO 2412	Management of Information Systems	3 credits
INFO 2413	System Development Project	3 credits

Courses taken during Year 1 and 2

BUSI 1110	Fundamentals of Business in Canada	3 credits
BUQU 1130	Business Mathematics	3 credits
BUQU 1230	Business Statistics	3 credits
CPSC 2302	Data Structures and Program Organization	3 credits

Years 3 and 4

60 credits are required to complete the degree. Students may select their courses in a way that helps them specialize in Network Administration and Security (NAS) or Mobile and Web

Application Development (MWAD). Recommended course choices are listed below.

Third and fourth year Information Technology courses are scheduled at times that try to accommodate the needs of students who work during the day.

YEAR 3

Four of:

INFO 3110	Professional Communications in Information Technology	3 credits
INFO 3150	Object-Oriented Software Engineering	3 credits
INFO 3210	Distributed Systems	3 credits
INFO 3250	Content Management and Information Architecture	3 credits
INFO 3280	Information Technology Project Management	3 credits

And:

One approved business liberal education elective		3 credits
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And one of:

LBED 4210	Ethics and Social Issues (discontinued)	3 credits
PHIL 3033	Business Ethics	3 credits

And any four of:

INFO 3135	Advanced Web Application Development	3 credits
INFO 3160	Network Operating Systems	3 credits
INFO 3170	Security of Enterprise Networks	3 credits
INFO 3180	Wireless Networks	3 credits
INFO 3225	Web Multimedia	3 credits
INFO 3235	Software Quality Assurance	3 credits
INFO 3240	Enterprise Resource Planning Systems	3 credits
INFO 3241	Identity Management	3 credits
INFO 3245	Mobile Programming I	3 credits
INFO 3246	Mobile Programming II	3 credits
INFO 3290	Networking Technologies III	3 credits

YEAR 4

All of:

INFO 4190	Integration Project I	3 credits
INFO 4290	Integration Project II	3 credits
INFO 4310	Entrepreneurial Development in Information Technology	3 credits

Two approved business liberal education electives 6 credits

And any five of:

INFO 4105	Search Engine Principles (under development)	3 credits
INFO 4110	Cloud Computing	3 credits
INFO 4115	Website Design	3 credits
INFO 4120	Digital Forensics	3 credits
INFO 4125	Web Site Security	3 credits
INFO 4210	Human Factors and Computer Interface Design	3 credits
INFO 4225	Animations	3 credits
INFO 4235	Special Topics in Web and Mobile Application Development	3 credits
INFO 4250	Special Topics in Network Administration and Security	3 credits
INFO 4330	Data Warehousing and Data Mining	3 credits
INFO 4370	Security of Wireless Systems	3 credits
INFO 4380	Wireless Sensor Networks	3 credits

Network Administration and Security (NAS) Specialization

Students can select their Year 3 and 4 courses in a way that satisfies the requirements for a specialization in network administration and security.

To complete the Bachelor of Technology with a specialization in Network Administration and Security, students must successfully complete:

Four Year 3 courses selected from:	And five Year 4 courses selected from:
<ul style="list-style-type: none"> ■ INFO 3160 ■ INFO 3170 ■ INFO 3180 ■ INFO 3240 ■ INFO 3241 ■ INFO 3290 	<ul style="list-style-type: none"> ■ INFO 4110 ■ INFO 4120 ■ INFO 4330 ■ INFO 4370 ■ INFO 4380 ■ INFO 4250

Mobile and Web Application Development (MWAD):

Students can select their Year 3 and 4 courses in a way that satisfies the requirements for a specialization in mobile and web application development.

To complete the Bachelor of Technology with a specialization in Mobile and Web Application Development, students must successfully complete:

Four Year 3 courses selected from:	And five Year 4 courses selected from:
<ul style="list-style-type: none"> ■ INFO 3135 ■ INFO 3225 ■ INFO 3235 	<ul style="list-style-type: none"> ■ INFO 4105 ■ INFO 4115 ■ INFO 4210

- INFO 3245
- INFO 3246
- INFO 4125
- INFO 4225
- INFO 4235

CO-OPERATIVE EDUCATION

The Bachelor of Technology – Information Technology degree is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Good academic standing

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 program credits (based on first year entry)
- Minimum program GPA of 2.5

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 30 program credits based on first year entry
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
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COOP 2150*	Co-op Work Semester 2	9 credits
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COOP 3150*	Co-op Work Semester 3	9 credits
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Optional:

COOP 4150*	Co-op Work Semester 4	9 credits
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* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

OTHER INFORMATION

Students enrolled in this program are expected to have their own laptop computers.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Technology in Information Technology**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Technology in Information Technology, Co-operative Education Option**.

Legal Administrative Studies: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Open admission
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Surrey
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Legal Administrative Studies program provides students with training in general and specialized administrative support procedures which are utilized in today's legal offices. It is a full-time program with two terms of study starting in September. Subjects covered include general office procedures, wills and estates, corporate records, civil litigation, family law, and conveyancing. In addition, students will become knowledgeable in word processing skills. The certificate program will appeal to people who are looking to start a challenging but rewarding career in the legal profession.

STUDENT PROFILE

Some students enter the program with previous post-secondary experience and are seeking to develop the practical skills necessary to enter the workforce and the legal profession. Some students are changing career direction, whilst others are high school students who have identified an interest in the legal field. Students accepted into the program must have good organizational skills and must be prepared to treat it as a professional course, as the program is designed to equip students with the knowledge and skills to be successful in the law office. Students interested in this program should have good keyboarding and communication skills.

CAREER OPPORTUNITIES

The program achieves good employability rates, with graduates working in a variety of organizations such as: law firms, notary public offices, government offices, and legal departments of large corporations. Graduates will be eligible to secure entry-level Legal Administrative Assistant positions, but there are many opportunities for career progression, such as becoming a senior Legal Administrative Assistant or becoming a paralegal.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Basic keyboarding skills are also recommended.

PROGRAM REQUIREMENTS

Semester 1 (Fall)

All of:

LGLA 1202	Legal Office Procedures – Corporate Law	3 credits
LGLA 1205	Legal Office Procedures – Litigation	3 credits
LGLA 1125	Legal Procedure and Research	3 credits
LGLA 1145	Word Processing	3 credits

One of:

LGLA 1155	Business Communications	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits

Semester 2 (Spring)

All of:

LGLA 1115	Bookkeeping Basics	3 credits
LGLA 1135	Computer Competency or CBSY 1105 Introductory Computer Applications	3 credits
LGLA 1203	Legal Office Procedures – Conveyancing	3 credits
LGLA 1204	Legal Office Procedures – Wills & Estates	3 credits
LGLA 1206	Legal Office Procedures – Family Law	3 credits
LGLA 1399	Legal Assistant Work Experience/Project	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Legal Administrative Studies**.

Marketing Management: Bachelor of Business Administration

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Business Administration (BBA) in Marketing Management program provides full-time and part-time intensive study for students wishing to earn a business degree.

The BBA in Marketing Management degree will produce graduates who bring contemporary applied marketing skills with a sound business management foundation to help organizations succeed in a dynamic global economy. The program will have the advantages of intensive applied training with an emphasis on marketing management and new media / web / social media analytics. The practical learning outcomes are grounded in curriculum that is accountable, global, team-based and uses contemporary quantitative and qualitative tools. Course content is industry driven and was developed based on the main job descriptions as required by industry and interviews with industry experts.

This degree is an appropriate goal for students who want to study beyond a diploma or their initial two years of post-secondary education. Students enter the program in Year 1 or in Year 3 after successfully completing a 60 credit business diploma or 60 credits of study at a post-secondary institution, with appropriate bridging courses.

Many degree classes are scheduled after 4:00 p.m. and in the evening to allow students to further their education while maintaining current employment. Students may apply to start the program in the summer semester but should note that course offerings may be limited. They are advised to consult a business degree advisor for course planning assistance.

Students acquire the following:

- Skills necessary to conduct business activities using contemporary social media applications.
- Ability to analyze quantitative and qualitative information using contemporary web tools to facilitate informed marketing decision making strategies

- Critical thinking and problem-solving skills by assessing and interpreting source materials, evaluating arguments, examining and applying both case based and real world business client based projects as consulting teams in the development of business and marketing plan solutions.
- Skills to manage communication initiatives to create and implement marketing plans that achieve organizational goals.
- Professional and persuasive communications skills through a variety of media (traditional, emerging, and technology driven).
- Skills required to develop creative media objectives, strategies and tactics to reach key target markets across all media and communication options and platforms
- Understanding of the entire organization and the important role of corporate citizenship.
- Collaboration skills with all functional areas of the organization (accounting, human resources, operations, production, marketing, sales etc.).
- Skills necessary to work effectively in teams, assuming roles of leader and follower as appropriate.
- A better understanding of human society and how to contribute to it through liberal education studies
- Quantitative business skills.

Some unique features of this program are:

- A practicum with a real client which allows students to translate their learning into one cohesive project that encompasses the integration of knowledge.
- Learning partnerships with business, applied projects and assignments and ongoing work experience
- Entry points that allow for the transfer of credits from recognized post-secondary programs
- Exit/re-entry flexibility, where a student can complete the program at their own pace. This allows for changing outside-of-school time requirements and does not lock a student into a rigid program structure and timeframe
- Professional development for individuals seeking higher level training
- Students can exit with a diploma in Marketing Management after completion of the first 60 credits of core courses.

STUDENT PROFILE

Marketing Diploma graduates who wish to continue their studies by expanding the depth and breadth of their knowledge, skills and practical marketing experience study in the BBA Marketing Management program. High school graduates who wish to pursue a Bachelor of Business Administration degree in Marketing may exit with a Diploma after two years. Other students include Business Diploma graduates from disciplines such as Accounting, Business Management, Economics, Computer Sciences and Information Systems who wish to add the skills and understanding that come from a BBA in Marketing.

Current Kwantlen Polytechnic University students who have completed courses in a different discipline (i.e. Arts, Science, Horticulture, Graphic Design) may be eligible to take third and fourth year courses, provided they meet third year entrance requirements.

The BBA Marketing Management Degree is well-suited for mid-level management working full-time with some post secondary education seeking to upgrade their skills in the marketing field through part-time studies. International students seeking a BBA

in Marketing from an accredited university also study in this program.

CAREER OPPORTUNITIES

A degree in Marketing Management prepares students for a career in business or management. Marketing managers have leadership positions in the marketing area of a company or business. Marketing programs designed to reach target demographics and a broad potential customer base are directed and implemented by marketing managers. Marketing management professionals utilize tools such as advertising, social media, and promotional events to increase awareness of products, ideas and services. They work closely with the promotions, advertising, and sales staff and they are also involved in the pricing and development of new products. Many graduates continue in post graduate studies such as a MBA.

Marketing graduates find careers in the following areas:

Sales, Marketing and Advertising Managers

Retail Trade Managers

Business Development Officers, Marketing Researchers, and Consultants

Professional Occupations in Business Services to Management

Professional Occupations in Public Relations and Communications

Retail Trade Supervisors

Examples of Job Titles include:

Business Development Officer

Market Research Executive

Marketing Analyst

Advertising Account Executive

Business Management Consultant

Management Analyst

Promotion Specialist

Marketing Manager

Assistant Marketing Manager

Marketing Executive

Manager Marketing Planning

Retail Division Manager

Manager Digital Marketing

Manager Social Media

PROGRAM ADMISSION REQUIREMENTS

Year 1 Admission:

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Please Note: One post-secondary English course, equivalent to Kwantlen's ENGL 1100, is a graduation requirement for all Kwantlen degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Year 3 Admission / Continuance

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

In addition, students may enter the program in Year 3 provided they have ONE of the following:

1. Completion of a business-related diploma from a recognized post-secondary institution, with:
 - a minimum of 60 credits
 - a GPA of 2.7 or higher; and
 - a minimum grade of C+ in Accounting and Statistics

OR

2. Completion of 60 transferable credits at the undergraduate level from a recognized post-secondary institution, including:
 - a minimum GPA of 2.7; and
 - a minimum grade of C+ in Accounting and Statistics
 - the following six required bridging courses or transferable equivalents:
 - ACCT 1230 - Business Statistics (or BUQU 1230) with a minimum grade of C+.
 - Note: Students may earn credit for only one of ACCT 1230 or BUQU 1230.
 - ACCT 2293 - Introductory Financial Accounting (or ACCT 1110 and ACCT 1210) with a minimum grade of C+
 - ECON 1150 - Principles of Microeconomics with a minimum grade of C
 - MRKT 1199 - Introduction to Marketing with a minimum grade of C
 - BUSI 1210 - Essentials of Management (or BUSI 1215 Organizational Behavior) with a minimum grade of C
 - CBSY 1105 - Introductory Computer Applications (or CBSY 2205 Computers and Information Processing) with a minimum grade of C

PROGRAM REQUIREMENTS

The degree program requires a minimum of 120 credits of required courses and electives. Students admitted to Year 3 will have already completed a minimum of 60 credits. If a first year English course was not completed prior to Year 3 entry, degree completion will require more than 120 credits in total. The third and fourth year courses are rigorous and demanding. Students should carefully consider the time requirements of part-time versus full-time study based on their individual work and personal situations.

Note: Not all courses are offered at all times or on all campuses. It is important to ensure work and personal schedules can accommodate the posted schedule times prior to committing to the program. It may be necessary for students to take courses at both Surrey and Richmond campuses to complete the program.

Year 1 & 2

CORE COURSES

All of:

BUSI 2390 Business Law 3 credits

CBSY 1105	Introductory Computer Applications	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits

All of Group A or all of Group B:

Group A

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
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Group B†

ACCT 1110	Introductory Financial Accounting I	3 credits
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ACCT 1210	Introductory Financial Accounting II	3 credits
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One of:

ACCT 1130	Business Mathematics*	3 credits
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BUQU 1130	Business Mathematics*	3 credits
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One of:

ACCT 1230	Business Statistics†	3 credits
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BUQU 1230	Business Statistics†	3 credits
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CRIM 2103	Quantitative Data Analysis I	3 credits
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MATH 1115	Statistics I	3 credits
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MATH 2341	Introduction to Statistics for Business	4 credits
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PSYC 2300	Applied Statistics	3 credits
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SOCI 2365	Introduction to Social Research Statistics	3 credits
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One of:

BUSI 1210	Essentials of Management	3 credits
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BUSI 1215	Organizational Behaviour	3 credits
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Notes:

* Students may earn credit for only one of ACCT 1130 or BUQU 1130.

† Students may earn credit for only one of ACCT 1230 or BUQU 1230.

‡ Student who choose this option, may require more than 120 credits to graduate.

LIBERAL EDUCATION ELECTIVES

Two of:

Courses from either the list of approved Faculty of Business Liberal Education Electives or from the list of Economics courses numbered 1100 or higher and/or Applied Communications numbered 1100 or higher.	6 credits
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CORE MARKETING COURSES

All of:

MRKT 1199	Introduction to Marketing	3 credits
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MRKT 1299	Consumer Behaviour	3 credits
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MRKT 2111	Introduction to e-marketing	3 credits
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MRKT 2333	Marketing Management I	3 credits
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MRKT 2340	Marketing Research	3 credits
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MRKT 2360	Selling and Sales Management	3 credits
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MRKT 2401	Introduction to Integrated Marketing Communications - Advertising	3 credits
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MRKT 2444	Marketing Management II	3 credits
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MARKETING ELECTIVES

One of:

MRKT 2235	Small Business Entrepreneurship	3 credits
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MRKT 2321	Retail Management	3 credits
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MRKT 2421	Retail Buying and Merchandise Management	3 credits
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MRKT 2455	International Marketing	3 credits
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Year 3

All of:

ENTR 3000	Advanced Professional Communication	3 credits
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ENTR 3110	Advanced Organizational Behaviour	3 credits
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ENTR 3120	Managerial Accounting*	3 credits
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ENTR 3130	Production Operations Management	3 credits
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ENTR 3140	Entrepreneurial Marketing	3 credits
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MRKT 3211	Managing the Communications Process	3 credits
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MRKT 3240	Marketing Information Management†	3 credits
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MRKT 3311	Marketing in a Digital World	3 credits
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One of:

ENTR 3150	Business Economics	3 credits
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ECON 3150	Managerial Economics	3 credits
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ECON 2350	Intermediate Economics	3 credits
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Note:

* It is highly recommended that students complete ACCT 2293 OR (ACCT 1110 and ACCT 1210) before registering for ENTR 3120.

† It is recommended that students complete ENTR 3120 before registering for MRKT 3240.

Year 4

All of:

ENTR 4110	Business Leadership	3 credits
MRKT 4160	Business Development	3 credits
MRKT 4201	Integrated Marketing Communications	3 credits
MRKT 4177	Contemporary Issues in Marketing	3 credits
MRKT 4330	Marketing BBA Practicum	6 credits

Liberal Education Courses

All business degrees require a minimum of 18 credits of liberal education that include:

- A first year English course (ENGL 1100 or equivalent). If this was not completed prior to BBA entry it must be completed prior to graduation.
- One 3rd or 4th year Ethics course chosen from:
 - PHIL 3033 Business Ethics OR
 - LBED 4210 Ethics and Social Issues (discontinued)
- Four electives chosen from the list of approved Faculty of Business Liberal Education Electives. **Note:** No more than 3 credits can be taken from any one of CMNS, ECON or MRKT courses found on the list of approved electives.

CO-OPERATIVE EDUCATION

The BBA in Marketing Management degree is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Degree students can complete a minimum of three work terms while completing their degree. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Good academic standing

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 75 program credits (based on first year entry)
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 30 program credits based on first year entry including CBSY 1105, MRKT 1199, and one other MRKT course
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

Required:

COOP 1101	Job Search Techniques	1 credit
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And all of:

COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits
COOP 3150*	Co-op Work Semester 3	9 credits

Optional:

COOP 4150*	Co-op Work Semester 4	9 credits
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* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B, COOP 2150A/2150B, COOP 3150A/3150B, or COOP 4150A/4150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Business Administration in Marketing Management**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Bachelor of Business Administration in Marketing Management, Co-operative Education Option**.

Marketing Management: Diploma

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley Richmond Surrey
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

Marketing emphasizes competitive advantages of for-profit and not-for-profit organizations and examines the inter-relationships that exist among their customers or members, the competition, and internal resources. A key part of marketing consists of gaining insights into customer needs and then developing effective marketing strategies.

The Marketing Management Diploma is a comprehensive program designed to give you a solid, general foundation in this exciting field. First the emphasis is on basic business knowledge and skills then students explore intensively the discipline of Marketing, with emphasis on the job skills and experience that business demands. Projects with local businesses and organizations are also included to offer students real world experience.

Graduates of this program may also be eligible for direct entry into the third year of KPU's Bachelor of Business Administration degrees in Entrepreneurial Leadership, Human Resources Management, and Marketing Management.

Certain courses in the program are also transferable to other post-secondary institutions. (Please refer to the BC Transfer Guide at www.bctransferguide.ca for specific transfer credit information).

STUDENT PROFILE

Students completing a Marketing Diploma may be high school graduates who wish to pursue a two year post-secondary program. Transfer students from other post-secondary institutions also study in the Marketing Diploma program. The Marketing Diploma is appropriate for mid-level management who are seeking to upgrade their skills in the marketing field. International students seeking a Marketing Diploma from an accredited university also study in this program.

CAREER OPPORTUNITIES

A marketing education is one of the best ways to prepare for a career in business or management. Virtually all businesses

and organizations, profit and non-profit alike, apply marketing to advance their organizational goals. Graduates have a solid grounding in business basics and learn how to make a profit by ethically meeting people's needs with useful products and services.

With a Marketing Management Diploma, graduates are eligible for almost any entry-level business or management position. Such positions can lead to exciting careers in advertising, retailing, customer relations, sales and sales management, marketing research or business management.

KPU's most recent Graduate Survey indicates that the majority of marketing management graduates are employed or continuing with further education. Among these graduates, several have started their own successful businesses.

Positions held by recent KPU Marketing Management Graduates include: Business Owner; Account Manager; Assistant Manager of Promotions; Restaurant Manager; RRSP Specialist; Marketing Representative; Customer Service Representative; Senior Operations Manager; Field Supervisor; and Sales Representative.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Note: A first year level English course is a requirement of this program. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade (or the equivalent prerequisite). Please make an appointment with an Educational Advisor to plan your course selections accordingly.

PROGRAM REQUIREMENTS

Students must complete 60 credits that include:

CORE COURSES

All of:

BUSI 2390	Business Law	3 credits
CBSY 1105	Introductory Computer Applications	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
ECON 1150	Principles of Microeconomics	3 credits
ENGL 1100	Introduction to University Writing	3 credits

All of Group A or all of Group B:

Group A

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
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Group B†

ACCT 1110	Introductory Financial Accounting I	3 credits
ACCT 1210	Introductory Financial Accounting II	3 credits

One of:		
ACCT 1130	Business Mathematics*	3 credits
BUQU 1130	Business Mathematics*	3 credits

One of:		
ACCT 1230	Business Statistics†	3 credits
BUQU 1230	Business Statistics†	3 credits
CRIM 2103	Quantitative Data Analysis I	3 credits
MATH 1115	Statistics I	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits
PSYC 2300	Applied Statistics	3 credits
SOCI 2365	Introduction to Social Research Statistics	3 credits

One of:		
BUSI 1210	Essentials of Management	3 credits
BUSI 1215	Organizational Behaviour	3 credits

Notes:

* Students may earn credit for only one of ACCT 1130 or BUQU 1130.

† Students may earn credit for only one of ACCT 1230 or BUQU 1230.

‡ Student who choose this option, may require more than 60 credits to graduate.

LIBERAL EDUCATION ELECTIVES

Two of:		
Courses from either the list of approved Faculty of Business Liberal Education Electives or from the list of Economics courses numbered 1100 or higher and/or Applied Communications numbered 1100 or higher.		6 credits

CORE MARKETING COURSES

All of:		
MRKT 1199	Introduction to Marketing	3 credits
MRKT 1299	Consumer Behaviour	3 credits
MRKT 2111	Introduction to e-marketing	3 credits
MRKT 2333	Marketing Management I	3 credits
MRKT 2340	Marketing Research	3 credits
MRKT 2360	Selling and Sales Management	3 credits
MRKT 2401	Introduction to Integrated Marketing Communications - Advertising	3 credits
MRKT 2444	Marketing Management II	3 credits

MARKETING ELECTIVES

One of:		
MRKT 2235	Small Business Entrepreneurship	3 credits

MRKT 2321	Retail Management	3 credits
MRKT 2421	Retail Buying and Merchandise Management	3 credits
MRKT 2455	International Marketing	3 credits

CO-OPERATIVE EDUCATION

The Marketing Management diploma is offered with a Co-operative Education option. Co-operative Education gives a student the opportunity to apply the skills gained during academic study in paid, practical work experience semesters. Students can complete two work semesters while completing their diploma. Work terms generally occur full-time in separate 4 month work semesters but may also be available part-time over an 8 month continuous (parallel) placement. Work semesters alternate with academic study.

Students wishing to enter and participate in the Co-op Option must meet the following requirements:

Declaration/Entrance Requirements:

- Good academic standing

Program Continuance Requirements:

Continuation in the co-op option requires:

- Completion of COOP 1101 prior to 30 program credits
- Minimum program GPA of 2.7

Work Term Requirements:

Participation and enrolment in a co-op work term requires:

- Successful completion of COOP 1101
- Successful completion of 30 program credits including CBSY 1105, MRKT 1199, and one other MRKT course
- Instructor permission

Co-op Requirements

The Co-operative Education designation requires successful completion of the following courses:

All of:

COOP 1101	Job Search Techniques	1 credit
COOP 1150*	Co-op Work Semester 1	9 credits
COOP 2150*	Co-op Work Semester 2	9 credits

* Part-time (Parallel) work terms may be taken over two semesters as COOP 1150A/1150B or COOP 2150A/2150B respectively.

Additional requirements:

In addition to the requirements stated above, all Co-op students must satisfy the General Co-operative Education Requirements.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Marketing Management**.

Upon successful completion of this program with co-operative education, students are eligible to receive a **Diploma in Marketing Management, Co-operative Education Option**.

Marketing: Certificate

Faculty of Business	kpu.ca/business
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley Richmond Surrey
Format	Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Marketing emphasizes competitive advantages of for-profit and not-for-profit organizations and examines the inter-relationships that exist among their customers or members, the competition, and internal resources. A key part of marketing consists of gaining insights into customer needs and then developing effective marketing strategies.

In the Marketing Certificate Program, students complete marketing courses followed by practical courses in sales and sales management, marketing management and small business management. In addition, they may choose specialized marketing courses in advertising, retailing, international marketing, selling and sales management, buyer behaviour, E-marketing, and marketing research as electives.

Due to prerequisite and course scheduling considerations careful course planning is required. Students should consult an Educational Advisor when considering the Marketing Certificate. (The Certificate may be completed in two semesters dependent on course offerings).

STUDENT PROFILE

Students completing a Marketing Certificate may have some business experience and wish to earn a credential. The certificate is also appropriate for students who have earned a diploma or degree in another subject and wish to pursue or enhance a business career. Transfer students from other post-secondary institutions also study in the Certificate program. The Marketing Certificate is well-suited for mid-level management who are seeking to upgrade their skills in the marketing field.

CAREER OPPORTUNITIES

The Marketing Certificate provides students with an overview of current marketing fundamentals. It is designed for students with business experience and for those who have earned a diploma or degree in another subject and wish to pursue or further their business careers. The Certificate provides students and graduates from programs such as computer information systems, engineering, fashion design, graphics, accounting, interior design, horticulture, public relations, and arts and science with job-ready business and marketing skills.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students must complete 30 credits that includes:

All of:

MRKT 1199	Introduction to Marketing	3 credits
MRKT 1299	Consumer Behaviour	3 credits
MRKT 2111	Introduction to e-marketing	3 credits
MRKT 2333	Marketing Management I	3 credits
MRKT 2340	Marketing Research	3 credits
MRKT 2360	Selling and Sales Management	3 credits
MRKT 2401	Introduction to Integrated Marketing Communications - Advertising	3 credits

One of:

MRKT 2235	Small Business Entrepreneurship	3 credits
MRKT 2321	Retail Management	3 credits
MRKT 2421	Retail Buying and Merchandise Management	3 credits
MRKT 2444	Marketing Management II	3 credits
MRKT 2455	International Marketing	3 credits

One of:

ACCT 1230	Business Statistics†	3 credits
BUQU 1230	Business Statistics†	3 credits
CRIM 2103	Quantitative Data Analysis I	3 credits
MATH 1115	Statistics I	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits
PSYC 2300	Applied Statistics	3 credits
SOCI 2365	Introduction to Social Research Statistics	3 credits

One of:

Course from either the list of approved Faculty of Business Liberal Education Electives or from the list of Economics courses numbered 1100 or higher and/or Applied Communications numbered 1100 or higher.	3 credits
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† Note: Students may earn credit for only one of ACCT 1230 or BUQU 1230.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Marketing**.

Public Relations: Diploma

Faculty of Business	kpu.ca/business
Public Relations	kpu.ca/business/pr
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Richmond
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

In a rapidly changing world, all kinds of organizations need help with communicating to the media, employees and the public. This includes private corporations, government and non-profit agencies, all of whom rely on trained public relations professionals to use communications strategy, tools and techniques to help build positive relationships with all of their stakeholders.

The Public Relations (PR) Diploma Program has responded to this challenge by providing in-depth training for the next wave of public relations professionals. The KPU program is distinguished not only for providing the technical expertise to successfully work in PR, but also the strategic thinking and communications management that will help KPU grads to succeed and advance quickly within organizations.

The two-year program will appeal to people who are looking for a dynamic, fast-paced career where they will excel in all aspects of communications. Strong writing skills are emphasized in every course.

To keep pace with rapid changes in the industry, KPU provides a solid foundation in communications theory blended with practical, hands-on work experience and a field placement in a public relations environment. The program works closely with the professional public relations community and our faculty is drawn from industry and includes full and part-time instructors who are active public relations professionals.

The KPU PR Diploma Program has negotiated a block transfer agreement with Royal Roads University in Victoria, British Columbia. By this agreement, applicants who meet the requirements for RRU prerequisites, and who have successfully graduated from the KPU PR Diploma Program, will be eligible for admission to RRU with full block transfer, provided all other entrance criteria are met (per the program admission requirements on the RRU website) and space remains available in the Bachelor of Arts in Professional Communication program.

STUDENT PROFILE

Some students enter the program with post-secondary experience or university degrees and are seeking specific marketable skills, or are changing career direction. Others are high school students who have identified an interest in writing, communicating, or special event coordination and would like to develop a career that fits their aptitudes and interests. Students accepted into the Public Relations program must have a high level of communication

skills, both written and verbal. Depending on their background, advanced standing can be granted for work done or skills learned elsewhere.

Perhaps more than any other skill, public relations professionals are great writers. We are looking for students who have a natural flair for writing and a good command of English grammar.

CAREER OPPORTUNITIES

During the last few years, the job market has exploded for those who are skilled in public relations writing, special event coordination, media relations, issues management, publication layout and production, community relations, and marketing.

The KPU PR Program is known for providing a broad-based educational experience that gives students a solid grounding in all aspects of public relations and corporate communications.

KPU's Public Relations Program graduates experience a high rate of employment in a variety of positions within the field. Examples of employment positions attained by recent graduates include Communications Manager, Media Relations Specialist, Special Events Coordinator, Information Officer, and Public Relations Consultant.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the PR Diploma Program requires strong competency in the English language for both written and oral presentations and publications. Therefore, the following program admission requirements apply.

- English 12 with a minimum B, (or equivalent), or
- A transferable undergraduate level English course with a minimum grade of C

Note: A lack of basic writing skills or word processing computer skills will hold the student back, so applicants are urged to upgrade this area before starting the program. Successful applicants will be invited to attend an orientation session sometime in May. The purpose of this session is to provide an opportunity to meet faculty, ask questions about the program, and to explore what the program entails. Arrangements will be made to accommodate out-of-town applicants.

PROGRAM REQUIREMENTS

The Public Relations Program is a 60-credit diploma organized into four semesters. During the first year, students concentrate on general knowledge and on developing the basic skills, work habits and attitudes they need to succeed both as students and as PR professionals.

In the second year, students concentrate on further developing what they have learned and applying their public relations skills to a variety of projects for clients, culminating in a one-month work experience in the public relations industry.

During their two years of study, students will:

- Learn about the broad world of media, including Print, Radio, Television and the Internet along with the theory and practices of communications in Canadian society
- Be introduced to basic concepts and skills of the public relations industry, including: PR writing, design and production; event planning and management; media

relations, marketing, publicity, issues management and crisis response; and internal communications within organizations.

- Develop professional attitudes through exposure to the ethical, legal and societal expectations of modern day public relations
- Develop personal competence through working in group projects, delivering presentations, and hands-on training in computer labs
- Gain experience in design and management of all the aspects of a special event fundraiser in support of a non-profit organization in the community.

Successful applicants may take non discipline specific courses (MRKT 1199 and English courses) prior to entering the program and/or during the summer semester in order to lighten their workload during the term.

Industry personnel may contact the Program Coordinator to access individual courses of interest without applying for the complete program. Access is determined by permission of the Coordinator and an availability of space.

Year 1

All of:

ENGL 1100	Introduction to University Writing	3 credits
PRLN 1120	PR Writing Fundamentals	3 credits
PRLN 1140	Digital Applications for Print Media	3 credits
PRLN 1141	Visual Design	3 credits
PRLN 1150	Introduction to Public Relations	3 credits
PRLN 1210	Media Relations	3 credits
PRLN 1220	Writing for Media Relations	3 credits
PRLN 1230	Public Relations Research	1.5 credits
PRLN 1236	Visual Presentations	3 credits
PRLN 1250	Digital Applications for Electronic Media	3 credits
MRKT 1199	Introduction to Marketing	3 credits

Year 2

All of:

PRLN 2310	Issues Management & Crisis Response	3 credits
PRLN 2320	Promotional Writing & Design	3 credits
PRLN 2332	Event Planning & Sponsorship	3 credits
PRLN 2338	Advanced Visual Design	3 credits
PRLN 2350	Publicity & Promotion	3 credits
PRLN 2432	Event Production & Management	3 credits
PRLN 2441	Organizational Communications	3 credits
PRLN 2455	Public Relations Consulting	3 credits
PRLN 2477	PR Practicum	3 credits

OTHER INFORMATION

Work Experience

Students gain hands-on experience during a four-week (full time) work experience in the public relations industry prior to graduation. This work experience provides opportunities for observation and application of previously studied theories and methodologies and assists with the transition of the graduates from KPU to the workplace. Students are required to successfully complete all other courses in the PR Diploma Program, or be able to demonstrate how they will complete any remaining requirements prior to the graduation date of that particular year, before taking PRLN 2476 Public Relations Work Experience.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Public Relations**.

The Chip and Shannon Wilson School of Design

Welcome to The Chip and Shannon Wilson School of Design.

We're exceptionally proud of our unique and highly respected programs. As a graduate, you'll be ready to meet your personal and professional goals in the field of design in disciplines such as Fashion Design, Fashion Marketing, Graphic Design in Marketing, Interior Design and Product Design. If you have not decided on a design discipline, the one year Foundations in Design program can help you explore design possibilities while developing fundamental skills. In addition, design-related courses are being developed as general education or bridging courses that will be accessible to all students, including transferred students, international students, or current professionals. Updated information about these courses will be posted to the Wilson School of Design home page.

KPU is a teaching-focused university where we bring together students, teachers, guest lecturers and alumni to create a student-centred learning environment. Unlike larger universities, we keep our classes purposefully small so that you have the opportunity to work directly with faculty. Our small classes of 18 to 25 students encourage teamwork and support while you're in the program, and help create a professional network once you've graduated.

DEAN:

Carolyn Robertson, B.Ed, MA

Phone: 604.599.2673

Email: carolyn.robertson@kpu.ca

IN THIS SECTION:

You will find details of the Design programs:

- About The Chip and Shannon Wilson School of Design
- Fashion & Technology: Bachelor of Design
- Fashion Marketing: Diploma
- Foundations in Design: Certificate
- Graphic Design for Marketing: Bachelor of Design
- Interior Design: Bachelor of Interior Design
- Product Design: Bachelor of Design
- Technical Apparel Design: Post Baccalaureate Diploma
- Liberal Education Electives for Graphic Design for Marketing
- Liberal Education Electives for Bachelor of Interior Design

Fashion & Technology: Bachelor of Design

Chip and Shannon Wilson School of Design	kpu.ca/design
Fashion Design and Technology / Fashion Marketing	kpu.ca/fashion
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

KPU's Bachelor of Design, Fashion and Technology program is the only four-year program of its kind in Western Canada. Renowned for delivering a seamless balance of academic rigour with hands-on, industry-focused experience, this unique program continues to develop a world-class reputation for graduating fashion industry leaders. We prepare students for successful careers in the global apparel industry, with most graduates in leadership roles, technical specialties and management positions.

Under the guidance of fashion design and technology experts, students in this program master the process, skills and language of fashion design from concept through production. Progressing from basic drawing, draping, patternmaking, sewing and tailoring to specialty techniques, the program's curriculum is noted for its industry-based focus and on fostering a community of emerging, forward-thinking designers.

This dynamic program features industry-relevant education and training using leading-edge technology, collaborative projects linked with prominent apparel companies and an extensive workplace practicum for further application of learning experiences. In the last year of the program, students showcase their final collections in what has become one of Vancouver's signature fashion events. The year-end professional fashion show is anticipated by industry and media alike and is typically a sold-out event, with many in the fashion community eager to view and interact with graduating designers and their work.

KPU stands apart from any other similar program in large part due to passionate, dedicated teachers. The diverse faculty at KPU's FASN program are industry leaders who are 'plugged in' to the global fashion scene and offer not just theoretical knowledge, but practical, industry-specific connections that are acutely relevant in today's marketplace.

The focus of the program is on education and training in areas of design, production and marketing for the apparel industry. A typical fashion career requires analyzing market trends and forecasting, the ability to design for a specific target market and in-depth knowledge of fabric, pattern drafting, fit and garment construction. Other skill requirements include the preparation of technical specification packages, presentations, communications,

costing, trade and logistics and collaboration with in-house production teams, suppliers and contractors.

The program simulates a professional working environment through the use of relevant, industrial equipment and technology with strict adherence to punctuality, scheduling and deadlines. Garments designed throughout the program reflect market trends by balancing creativity with marketability and are produced using industrial drafting and garment construction techniques. Students benefit from the opportunity to further integrate their learning through industry-linked, guest speakers and presentations on current design issues. Additional consideration is focused on the development of proficient standards in critical thinking, analysis, problem solving, teamwork skills and leadership development.

High quality production equipment includes: industrial straight sew machines, sergers and specialty machines such as coverstitch and flatlock, seam sealer, steam irons, a vacuum press and a fusing machine. The integration of computer software is used for design, spec drawing, technical specification packages, buyers' kits, media kits, costing, pattern manipulation, grading, marker making and digital portfolio development.

The four-year, selective-entry program is organized into eight semesters with a minimum of 120 credits in total. The program is taken on a full-time basis. The diploma, which is the first two years of the degree program, consists of 62.5 credits in total. General education courses and electives in English, marketing, business and other courses from a wide range of offerings at KPU provide exposure to a breadth of study further enriching students as designers and global citizens.

Visit kpu.ca/fashion for more details.

STUDENT PROFILE

Most people who apply to the program have a passionate lifelong interest in fashion with an aptitude for creative design, technical construction and an appreciation for fabric. They are recent high school graduates, transfer students from other institutions, mature individuals returning to the profession or making a career change, or industry personnel seeking an upgrade in skills.

KPU boasts student exchange agreements with fashion schools in London, England; Helsinki, Finland; Taipei, Taiwan; Melbourne, Australia and is developing further exchange opportunities to broaden global experiences.

Applicants with previous experience in the fashion industry may gain credits through Prior Learning Assessment (PLA). Graduates from a two-year fashion program who wish to pursue a degree will be assessed on an individual basis for potential advanced entry.

Industry personnel who wish to take a specific course or courses on a part-time basis to complement their job skills may do so based on seat availability and with permission from the Program Coordinator. Some course prerequisites may be waived based on work experience. Contact the Program Coordinator for further information.

CAREER OPPORTUNITIES

With over 300 apparel companies in the Lower Mainland, the well-established B.C. fashion industry offers many career choices. Graduates work in the design, marketing and production departments for vibrant lower mainland companies such as Arc'teryx, Aritzia, Gentle Fawn, ivivva, Karma, lululemon, Lija, Mac & Jac, Mountain Equipment Co-op, Mustang Survival, Oak and Fort, Peekaboo Beans, Plenty and Sugoi Performance Apparel. Similar opportunities are available worldwide with graduates currently at Nike, Abercrombie & Fitch, Nordstrom,

and Volcom in the U.S. and Chloe in Paris, France, to name a few. Depending upon capabilities and interests, students work for large companies as members of design, production or marketing teams, or for smaller design houses, working in all aspects of the business, or engage in entrepreneurial (examples include Allison Wonderland, TrunkShow, Flaming Angels, Osei-Duro and Jolie Couture) or freelance endeavors. In all instances, graduates need to be well versed in all three aspects of the business (design, production and marketing) to fully contribute as a team player. Emerging designers prosper best if they have a solid background and experience in production and marketing.

Through KPU's special agreement with UBC, Fashion students interested in a career as a high school teacher of clothing and textiles may be eligible for entry to UBC's Bachelor of Education program in Home Economics upon completion of KPU's fashion degree, including a combination 18 credits of English, Sociology, Psychology and Family Studies courses. Family Studies courses may be taken at UBC as either a visiting student at UBC while completing KPU's fashion program (using these courses as electives for the fashion degree) or as a UBC student following graduation from KPU's fashion program.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum grade of 'B' (or equivalent)
- Portfolio Review and Orientation Session*

* *Successful applicants will receive an invitation in early April to the required Orientation and Portfolio Review session to take place in late April or early May. Alternative portfolio review arrangements are possible for students who live outside the Greater Vancouver Region and who cannot attend in person. It is, however, in the best interest of applicants to make every effort to attend in person.*

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Admission decisions to this program are based on interim grades therefore proof of grades must be submitted in accordance with the following deadlines:

- **Applicants currently in high school** must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- **Applicants currently taking English preparatory courses** must submit interim grades by March 31st with proof of final grades required by April 30th.
- **Applicants currently attending another post-secondary institution** must submit a final official transcript and a Request for Transfer Credit form by March 31st.
- **For all other applicants**, proof of having met the program's English proficiency requirement must be provided by March 31st.

Any applicant who has not submitted proof of grades by the specified dates will be removed from the list of eligible applicants.

Applicants who are not accepted into the program may be interested in taking courses toward degree credits via the Fashion Marketing Diploma or the Foundations in Design program. Not all courses taken in these programs are eligible for

credit toward the fashion degree therefore interested students should consult with an Educational Advisor, or with the Chip and Shannon Wilson School of Design prior to applying.

Portfolio Review

The portfolio review will demonstrate to faculty your skills in art and design, computer keyboarding skills, basic mathematical skills, and an awareness of the fashion profession. A simple math test and questionnaire on awareness of the fashion industry and team work skills will be part of the review.

Submission of the portfolio at the review session must include the following **original** work in sufficient number and variety to demonstrate the applicant's ability:

- Resume
- One-page statement of interest in the fashion program and the fashion industry
- Minimum of 3 letters of reference from teachers, instructors, coaches or employers
- Transcripts from high school and any post-secondary institutions attended (Note: transcripts sent with your application for admission are not available to faculty – you must include a copy in your portfolio)
- Transcripts or certificates of any life-skills courses
- Textile Studies (Grade 11 & 12) or Clothing and Textiles 12A with a minimum grade of 'B' (or demonstrated extensive sewing experience).
- Art and design work to include each of the following:
 - 1 – 2 sketchbooks of current work (date your work)
 - 2 examples of art or design work with a brief, written analysis of why you included these particular pieces and
 - Along with your invitation to the Portfolio Review session you will receive instructions for a design exercise to be included in your portfolio.
- Six to ten self-sewn garments made from commercial patterns, draping or applicant's own drafts that demonstrate a range of skills. Provide at least 4 different types of garments, i.e. skirts, pants, tops, dresses, jackets in different types of fabrics. Garments should include each of the following garment components: darts, two different types of zippers, two different types of pockets, set-in sleeves, collars, cuffs, buttons and buttonholes. At least one garment must be lined. Photographs not accepted.
- Written evidence to include a journal of fashion industry-related reading and information about Vancouver-based design/manufacturing companies
- Self-generated computer work (i.e., your resume, copies of spreadsheets, drawings) listing programs used and hard copy examples of computer work
- Evidence of leadership and community involvement such as team skills, personal management, problem solving and organizational skills, and stress management

For a detailed description of portfolio requirements, download an information package from www.kpu.ca/fashion.

Upper-Level Program Admission

In addition to the Program Admission Requirements, applicants with prior post-secondary experience may be eligible for advanced standing to the program at the upper level. Placement into the program is based on the results of the portfolio review, provided the following lower-level requirements have been previously satisfied:

- Completion of a fashion design diploma (or equivalent) with minimum 60 credits from a recognized college or university with a cumulative GPA of 2.7 or higher
- FASN 2200 (or transferable equivalent) with a minimum grade of B-
- FASN 2220 (or transferable equivalent) with a minimum grade of B-
- Successful completion of CMNS 1140 (or transferable equivalent)
- Successful completion of ENGL 1100 (or transferable equivalent)
- Successful completion of FASN 1205 (or equivalent courses in Adobe Illustrator® & Microsoft Office®)
- Successful completion of MRKT 1199 (or transferable equivalent)

CONTINUANCE REQUIREMENTS

Registration access to third or fourth year courses is awarded to students who have completed:

- all requirements for years 1 and 2 with minimum cumulative GPA of 2.7
- a minimum grade of B- in FASN 2200 and FASN 2220

PROGRAM REQUIREMENTS

The first year introduces students to the various facets of the fashion industry, elements and principles of fashion design, drawing, pattern drafting and industrial sewing and includes important support courses in English, computer applications for fashion and marketing. The second year is more focused on fashion discipline-based knowledge and skill development and includes designing for industry linked projects in collaboration with local apparel companies such as Lululemon, Plenty and Sugoi.

The third and fourth years feature opportunities to apply previous studies to real world applications. Students design for both mass and niche markets, combining creativity with marketability and practice production planning from both a local and global perspective. An Internship with a local design company will increase students' knowledge of industry practices and develop contacts in the industry. The final semester culminates in a fashion show presented to an audience of over 2,000 people. Most electives are taken in the senior years, but students may take electives in the order that best suits their schedules.

For transfer students, some courses in the lower-level of the program (FASN 1115, FASN 1150, FASN 2130, FASN 2240) may be taken while in the third year, subject to availability. Some credits from courses taken elsewhere may be used to fulfill the elective requirements in the third and fourth years. Transfer credits are assessed on an individual basis. For information on the transfer credit process, visit www.kpu.ca/transfercredit.

Year 1 and 2 Requirements

SEMESTER 1

All of:

MRKT 1199*	Introduction to Marketing (or any 1st year post-secondary, 3 credit marketing course)	3 credits
ENGL 1100	Introduction to University Writing	3 credits

(or any 1st year, post-secondary, 3-credit English course),

FASN 1100	Fundamentals of Fashion Design	3 credits
FASN 1115	The Apparel Industry	2.5 credits
FASN 1120	Production Basics I	3.5 credits
FASN 1150†	Fashion Retail Work Experience	2 credits

Notes:

* MRKT 1199 may be required to advance to KPU's upper level Marketing courses.

† Can be done in year 1 (preferable) or year 2; students must register before beginning work, but may take up to 12 months to complete.

SEMESTER 2

All of:

FASN 1205	Computer Applications for Fashion	3 credits
FASN 1215	Textile Science	3 credits
FASN 1220	Production Basics II	6 credits
FASN 1230	Fashion Drawing I	2 credits

SEMESTER 3

All of:

FASN 2100	Fashion Design I	3 credits
FASN 2115	History of Costume	2.5 credits
FASN 2120	Style Production I	7 credits
FASN 2130	Technical Fashion Drawing	2 credits

SEMESTER 4

All of:

CMNS 1140	Introduction to Professional Communications (or any 1st year, post-secondary, 3 credit business communications course)	3 credits
FASN 2200	Fashion Design & Drawing II	5 credits
FASN 2220	Drafting & Sewing IV	7 credits
FASN 2240	Computer-Based Pattern Drafting	2 credits

Upon successful completion of the first four semesters (62.5 credits), students are eligible to exit the program and receive a Diploma.

Year 3 and 4 Requirements

SEMESTER 5

All of:

FASN 3100	Textile Design	3 credits
FASN 3120	Mass Manufacturing	7 credits
FASN 3130	Draping	4 credits

FASN 3150	Preparation for Fashion Industry Internship	1.5 credits
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SEMESTER 6

All of:

FASN 3200	Product Development	3.5 credits
FASN 3250	Fashion Industry Internship	3 credits

And one elective (see below).

SEMESTER 7

All of:

FASN 4100	Line and Portfolio Development	5.5 credits
FASN 4150	Apparel in the Global Economy	4 credits

And two electives (see below).

SEMESTER 8

All of:

FASN 4210	Event Planning and Promotion	4 credits
FASN 4220	Collection Production	7 credits

And two electives (see below).

Electives

Electives must include:

- Minimum of two general education courses: (recommend one at the 3rd year level) courses from non-fashion areas of study that develop a breadth of knowledge and integrate with learning acquired in the program
- Minimum of one course, course number 1100 or higher, from the Faculty of Business
- Minimum of two other electives from any area of study, course number 1100 or higher (recommend business, marketing and fashion courses such as FASN 4250).

ADDITIONAL FASN COURSES

- **FASN 4130 Advanced Computer Studies in Fashion** is an elective course for 4th year students wanting to increase visual communication skills with the use of advanced 2D to 3D imaging, desktop imaging software, and product management software.
- **FASN 4250 Self-Directed Study** is an elective course for 4th year students wanting to study an area of fashion in more depth, subject to instructor approval.

OTHER INFORMATION

Successful applicants may take their general education and non-discipline specific courses prior to entering the program and/or during the summer semester in order to lighten their workload during the term. Courses such as ENGL 1100, MRKT 1199 and others are usually offered during the summer semester.

Computer software used in the fashion program includes:

- Adobe Creative Suite® (Illustrator®, Photoshop®, InDesign® and Acrobat®), Microsoft Word®, Power Point® and Excel®

for flats, specification sheets, buyers' kits, costing and digital portfolio development.

- Gerber AccuMark Technology® for pattern development, grading and marker making.
- The Fashion Design and Technology Program is delivered in an e-mobile environment, including laptops, computers and software. Students will need to purchase laptop computers and requisite course software (or enlist in a KPU laptop lease program) for the duration of the 4 year degree program. Specifications and requirements will be provided to successful applicants.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Design, Fashion and Technology**.

Upon successful completion of the Year 1 and 2 Requirements, students are eligible to receive a **Diploma in Fashion and Technology**.

Fashion Marketing: Diploma

Chip and Shannon Wilson School of Design	kpu.ca/design
Fashion Design and Technology / Fashion Marketing	kpu.ca/design/fashion
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Fashion Marketing Diploma program integrates studies in fashion, communications, business and marketing. The program includes academic courses, hands-on activities and work experiences. Students develop skills necessary for dynamic careers and participate in various fashion events to create broad industry networks.

Program outcomes include collecting, analyzing and interpreting data on economic and fashion trends, consumer buying habits, demographics, and emergent tastes and preferences. Applicants to the program want to learn about and work in the fashion industries. They have some experience and knowledge about fashion and wish to develop their marketing and management skills for success in leadership positions.

Successful candidates acquire and develop extensive research, thinking, communication, and technical skills necessary for academic and career development. Our students are immersed in emerging trends for local and international markets and incorporate social responsibility and sustainability into functional business practices. Students take on leadership roles and share their skills and insights through opportunities in the community.

The Fashion Marketing Diploma is a competitive program that accepts up to 30 new students each year. Applicants can apply directly from high school or transfer from other post-secondary institutions. Mature students pursuing a career change or fashion industry professionals upgrading their skills for career development are also encouraged to apply.

Fashion Marketing Diploma program graduates may apply to the third year of one of KPU Bachelor of Business Administration (B.B.A.) programs. Students interested in a BBA program should contact an academic advisor (ideally one from the School of Business) to plan their schedule and determine appropriate electives. Information regarding KPU BBA programs can be found here: <http://www.kpu.ca/business/programs>

CAREER OPPORTUNITIES

Our graduates develop skills necessary for employment in the creative business services sector. Career opportunities are extensive and include: Buying, Merchandising, Branding, Forecasting, Styling and Consulting, Visual Merchandising, Communications, Special Events Coordination, Retail Sales

and Management. Graduates can work for apparel companies, retailers, distributors and marketers. Some graduates choose to work freelance or run their own organizations.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum grade of C+ (or equivalent)
- Letter of interest

Admission decisions to this program are based on interim grades therefore proof of grades must be submitted in accordance with the following deadlines:

- Applicants currently in high school** must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- Applicants currently taking English preparatory courses** must submit interim grades by March 31st with proof of final grades required by April 30th.
- Applicants currently attending another post-secondary institution** must submit a final official transcript and a Request for Transfer Credit form by March 31st.
- For all other applicants**, proof of having met the program's English proficiency requirement must be provided by March 31st.

Any applicant who has not submitted proof of grades by the specified dates will be removed from the list of eligible applicants.

Letter of Interest

The letter of interest should be type-written (3-5 pages, single spaced, 12 pt. font) and must include:

- A summary of knowledge about the field of fashion marketing.
- A statement of personal goals for applying to the program.
- A brief write-up including personal examples related to as many of the following skills as possible (2-3 paragraphs for each): working in a team, working independently, problem solving, developing personal management, organizational and stress management skills. Examples could come from school, work, play, sports activities etc.

Your letter of interest must be accompanied by:

- Transcripts from high school and any post-secondary institutions attended (Note: transcripts sent with your application for admission are not available to faculty – applicants must include copies with the letter of interest.
- A current resume.
- Two letters of reference. It is recommended applicants ask people to write about an applicant's ability to carry out one or more of the skills listed.

Note: Applicants who have completed FASN 1115 (The Apparel Industry), may be exempt from the letter of interest requirements.

PROGRAM REQUIREMENTS

The Diploma program requires a minimum of 60 credits of post-secondary courses.

To continue each semester as a Fashion Marketing Diploma student and maintain priority registration status, students are

required to take all of the Fashion Marketing (FMRK) courses in sequence as listed in the "Course Requirements" section.

Course Requirements

SEMESTER 1 (FALL)

All of:

FMRK 1105	Computers for Fashion Marketing*	3 credits
FMRK 1115	The Apparel Industry	2.5 credits
FMRK 1150	Fashion Retail Work Experience	2 credits
MRKT 1199	Introduction to Marketing*	3 credits

One of:

BUSI 1110	Fundamentals of Business in Canada	3 credits
BUSI 1210	Essentials of Management*	3 credits
BUSI 1215	Organizational Behaviour*	3 credits

And one elective (see below).

SEMESTER 2 (SPRING)

All of:

FMRK 1205	Visual Communications for Fashion Marketing	3 credits
FMRK 1215	Textile Science	3 credits
FMRK 1250	Fashion & Consumer	3 credits
MRKT 1299	Consumer Behaviour*	3 credits

One of:

ACCT 1110	Introductory Financial Accounting I*	3 credits
BUQU 1130	Business Mathematics	3 credits

SEMESTER 3 (FALL)

All of:

FMRK 2105	Visual Fashion Merchandising & Promotion	3 credits
FMRK 2115	Fashion Forecasting	3 credits
FMRK 2120	Fashion Writing	3 credits

And two electives (see below).

SEMESTER 4 (SPRING)

All of:

FMRK 2205	Fashion Buying	3 credits
FMRK 2215	Fashion Events and Promotions	3 credits
FMRK 2240	Fashion Marketing Work Experience	1.5 credits

And two electives (see below)

Electives

Electives may be taken at any time based on availability and having met prerequisites where applicable.

Four of the five electives required (3-credit each for a total of 15 credits) must be selected from the following list.

One of the five electives required (3-credits) may be selected from any program or area of study including courses from the list below:

Any of:

ACCT 1210*	Introductory Financial Accounting II	3 credits
ACCT 1230 ‡ or BUQU 1230 ‡	Business Statistics	3 credits
BUSI 2390	Business Law	3 credits
CBSY 1105 ‡	Introductory Computer Applications (<i>if taken prior to fall 2010</i>)	3 credits
ECON 1150 ‡	Principles of Microeconomics	3 credits
ENGL 1100 ‡	Introduction to University Writing	3 credits
MRKT 1220	Dynamic Selling	3 credits
MRKT 2111	Marketing Online	3 credits
MRKT 2321	Retail Management	3 credits
MRKT 2333	Marketing Management I	3 credits
MRKT 2340	Marketing Research	3 credits
MRKT 2360	Selling and Sales Management	3 credits
MRKT 2401	Introduction to Integrated Marketing Communications - Advertising	3 credits
MRKT 2421	Retail Buying and Merchandise Management	3 credits
MRKT 2430	Marketing Simulation (under development)	3 credits
MRKT 2444	Marketing Management II	3 credits
MRKT 2455	International Marketing	3 credits

Notes:

* For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293 (an accelerated course).

‡ Courses required to ladder into KPU's BBA program, along with the additional bridging requirement: CBSY 2205 - Management Information Systems (if FMRK 1105 not taken).

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Fashion Marketing**.

Foundations in Design: Certificate

Chip and Shannon Wilson School of Design	kpu.ca/design
Foundations in Design	kpu.ca/design/find
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Foundations in Design (FIND) program offers students the opportunity to develop the fundamental knowledge, insights and skills common to the field of design and its diverse disciplines and to explore and assess design education options and career possibilities.

The FIND program celebrates diversity of thought, expression, philosophy, values and most importantly learning styles. The curriculum emphasizes personal development, basic design skills development and the development of a comprehensive portfolio.

Based on the cornerstones of exploration, skill development and self-analysis, the FIND program focuses on learning priorities some of which include:

- Broaden knowledge of the various options, opportunities and requirements reflective of the field of design and its many disciplines.
- Encourage informed choices regarding future design education pathways and career goals.
- Develop creative problem solving skills, critical and contextual thinking skills, idea development and visualization skills.
- Enable the development of a personal voice through the formation and expression of ideas visually, verbally and in writing.
- Encourage self-expression respecting personal, social, cultural, economic and environmental contexts.
- Broaden knowledge and understanding of the theories, methodologies and processes common to the various disciplines of design.
- Development of a comprehensive portfolio of 2 dimensional and 3 dimensional project work, both analog and digital.
- Understanding and appreciation of the interdisciplinary and constantly changing nature of design.

STUDENT PROFILE

The FIND program offers a comprehensive introduction to design education – theory and practice - that is particularly appropriate for:

GRADUATES OF SECONDARY SCHOOL

- Students interested in a career in the field of design but who have not yet determined a specific discipline or are unaware of the diversity of disciplines.
- Students who have decided on a specific discipline but need to research that discipline, develop or expand their foundational skill sets and improve their portfolios as a means of gaining access to further design education.
- Students who have not been successful in their application to a specific disciplinary program in design, either at KPU or elsewhere, and need to improve or expand their design skills and portfolio if they intend to reapply.

CURRENT POST-SECONDARY STUDENTS

Students currently in other design, design related or interdisciplinary programs such as Marketing, Trades, Business, Public Relations, Journalism, Fine Arts, Social Sciences, Health Sciences or Environmental Sciences where the learning outcomes of the FIND program may complement their own discipline specific studies. Some courses in the FIND program are designated university breadth courses.

Students currently in the Trades Programs specializing in design and fabrication may also benefit from skills developed in FIND.

Some of the skills developed in FIND include: creative problem solving, critical and contextual thinking, idea generation and visualization, time/project management and team building.

GRADUATES OF POST-SECONDARY PROGRAMS

Recent graduates from any discipline seeking to complement their discipline specific education with the fundamental skills mentioned above and supported in an interdisciplinary environment by interdisciplinary faculty stressing integration, collaboration and synthesis.

MATURE STUDENTS

- Mature students seeking an opportunity to explore new or alternative educational and career options in the field of design and its diversity of disciplines.
- Mature students seeking an opportunity to complement or enhance their professional development with the FIND program interdisciplinary learning outcomes.
- Mature students who have been unable to qualify for an advanced design credential in KPU or other institutions and are looking to upgrade or expand their fundamental design skills and build a comprehensive portfolio.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Portfolio review
- Reflective written statement

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Portfolio Review

Portfolios should reflect creative interests and current art/design capabilities. The following are suggestions for inclusion in the

portfolio but are intended only as a guide. There is no minimum or maximum number of projects to include.

- Photos/scans of drawings, paintings, sculptures, pottery, textiles, woodworking, printmaking, sewing/costume design, garden/landscape design, room decorating or model making
- Photos/scans of sketchbooks or journals
- Samples of photography
- Transcripts from high school and any post-secondary institutions attended (Note: transcripts sent with your application for admission are not available to faculty – you must include a copy in your portfolio)

Portfolios will be accepted in digital or physical formats.

Reflective Written Statement

Applicants must also include a comprehensive written statement that reflects interests in design as well as personal, educational and career goals.

PROGRAM REQUIREMENTS

Students are required to complete a total of 30 credits (27 credits of core Foundations in Design courses and 3 credits of specified electives):

Core courses - all of:

FIND 1100	Design Processes, Methods and Materials	3 credits
FIND 1110	Drawing for Design	3 credits
FIND 1120	Design History I*	3 credits
FIND 1130	Design Explorations*	3 credits
FIND 1140	Colour Theories*	3 credits
FIND 1150	Designing for Humanity*	3 credits
FIND 1160	Communication through Visual Language	3 credits
FIND 1200	Two Dimensional Design	3 credits
FIND 1210	Three Dimensional Design	3 credits

Electives - one of:

FIND 1220	Interdisciplinary Design History II*	3 credits
FIND 1230	Drafting for Design	3 credits

Notes:

* University designated breadth courses.

OTHER INFORMATION

Returning Foundations in Design students and students who successfully qualify for a seat in Foundations in Design register early. **Registering on your date and time (as per your instructions from the Office of Admissions) is extremely important**, as some seats may be made available to students from other KPU programs taking designated Foundations in Design breadth courses.

Please visit kpu.ca/find for more specific program information such as Tuition & Fees, Student Testimonials, Information for Parents, course specific project work, Frequently Asked Questions, Careers in Design etc.

Costs

In addition to tuition, students should be prepared to spend approximately \$500 - \$800 for project materials and photocopying during the program.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate of Foundations in Design**.

Graphic Design for Marketing: Bachelor of Design

Chip and Shannon Wilson School of Design	kpu.ca/design
Graphic Design for Marketing	kpu.ca/gdma
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

In the contemporary marketplace, graphic designers function as creative problem solvers, design planners and strategists, and skilled communicators and technologists. They are team players, team leaders, and can be employees, freelancers, or self-employed entrepreneurs. They require a solid understanding of business and marketing, high-level visual and critical thinking skills, well-developed research capabilities, as well as a broad-based understanding of diverse social and cultural groups.

Graphic designers are involved in projects ranging from the design of visual identities for corporations, retail stores, and institutions, to specialist projects involving skateboard and sports-related graphics. Today, graphic designers have more wide-ranging career opportunities than ever before. They may design websites, lifestyle and fashion magazines, hospital and shopping mall way-finding systems, fundraising campaigns for non-profit organizations, packaging for all manner of products, advertising campaigns, large-scale ads on billboards and bus shelters, and even television and film title credits.

The Graphic Design for Marketing (GDMA) program has worked closely with industry to design a curriculum that meets the needs of the marketplace. GDMA graduates graphic designers who have well-developed design skills, understand the connection between graphic design and marketing, and have a wide range of complementary and interdisciplinary knowledge and abilities.

The Graphic Design for Marketing program offers students **one option** for their studies: **Bachelor of Design, Graphic Design for Marketing**. Please note: The three-year Diploma option was discontinued for new students as of September 2013.

The Degree

Graphic Design for Marketing (GDMA) is a four-year, selective entry degree program consisting of 120 credits of coursework organized into eight semesters of study. The GDMA program provides a balanced education that encompasses skills, knowledge and abilities relating to, graphic design, marketing, business and general education.

Students in GDMA develop knowledge, skills and abilities relating to graphic design, marketing, and business; media, technology, and production; conceptual development and image development; and an understanding of the social, cultural, and historical contexts of graphic design. They will be skilled in applying design theory and processes, with an emphasis on critical thinking and creative problem solving, and will be able to originate and produce marketing and promotional concepts for a wide range of products and services, including the promotion of corporate, institutional, and social initiatives.

The program works closely with the graphic design community and its professional associations in order to ensure students develop career readiness and graduate with the best possible chance for success as employed or self-employed practitioners.

Visit the program's website at kpu.ca/gdma or attend an information session for design programs at KPU - held in mid-October.

STUDENT PROFILE

GDMA applicants come from a wide range of backgrounds and demonstrate a keen interest in visual communications. They will have explored various aspects of art and design, particularly through such things as drawing and illustration, typography, photography, computer-based projects, video production, painting and sculpture, or perhaps through different types of craft work.

Some applicants may also have communications, marketing, public relations, or business-related experience.

Applicants may come directly from high school, or may transfer from other institutions, or they may be former graduates of design, fine arts, or other related programs. They may also be mature individuals who want to make a career change, or may have experience in the graphic design industry and want to upgrade their credentials.

It is strongly recommended that applicants have solid skills in English communication, some computer and word processing experience, basic mathematics, an awareness of the graphic design profession and its significance locally and nationally, as well as an understanding of how graphic design and marketing fit together.

Credit for Previous Learning

Students may obtain credit for segments of the program for course work taken in other programs at KPU, or at another institution. All applications for transfer credits for previous learning will be assessed on an individual basis. Graduates from a two- or three-year graphic design program who wish to pursue a Graphic Design for Marketing degree will be assessed on an individual basis. For more information about transfer credit, please visit <http://www.kpu.ca/transfercredit/request>

Applicants with experience in the graphic design industry may acquire credits through Prior Learning Assessment (PLA). For further information, please visit <http://www.kpu.ca/registrar/pla>

Graduates from the former Graphic and Visual Design program (GRVD) at KPU may apply for degree completion. Applicants who completed the GRVD program from the year 2000 onwards may apply for entry to Year 3 of the degree. All applications will be assessed individually.

Part-time Studies

Graphic design professionals may also wish to take specific courses on a part-time basis to complement their job skills. Some requirements for course prerequisites may be waived based on work experience. Opportunities for part-time studies will

depend upon the number of seats that are available. Industry professionals may contact the Program Coordinator to access individual courses of interest without applying for the complete program. Access is determined by permission of the Coordinator and available seats.

CAREER OPPORTUNITIES

The graphic design marketplace is rapidly changing and fast-paced. The degree program prepares graduates with broad-based experiences as graphic designers in order to compete for entry-level graphic design positions.

Generalist Graphic Designers

GDMA degree graduates will qualify for entry-level positions as graphic designers in firms providing corporations, small businesses, non-profit organizations, and others with services which may include such things as the creation of marketing strategies, interactive media design, publication design, advertising design, direct marketing design, and display design. Understanding consumer behaviour and end-user needs will also qualify the graduate for employment in marketing, advertising, or public relations firms that offer graphic design as one of their services.

Specialist Graphic Designers

GDMA degree graduates will have been exposed to various specialty areas within the graphic design profession in order to begin to develop a specialist design career for themselves. For example, designers who choose to specialize, might focus their professional practice on web design, packaging design, or the design of integrated media.

In-House (Resident) Graphic Designers

The diverse skills acquired by graduates of the GDMA program will equip them to work as in-house graphic designers in corporations or institutions with their own graphic design departments.

Self-Employed, Freelance or Entrepreneurial Graphic Designers

The GDMA graduate will have a solid understanding of the graphic design industry and marketplace through field studies and a mentorship, as well as business and marketing courses. They will have prepared a comprehensive portfolio along with a self-promotional and marketing strategy in order to effectively market their services.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum B (or equivalent)
- Portfolio Review and Interview Session*

* Applicants who successfully satisfy the required portfolio review will be invited to an interview session.

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Admission decisions to this program are based on interim grades therefore proof of grades must be submitted in accordance with the following deadlines:

- **Applicants currently in high school** must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- **Applicants currently taking English preparatory courses** must submit interim grades by March 31st with proof of final grades required by April 30th.
- **Applicants currently attending another post-secondary institution** must submit a final official transcript and a Request for Transfer Credit form by March 31st.
- **For all other applicants**, proof of having met the program's English proficiency requirement must be provided by March 31st.

Any applicant who has not submitted proof of grades by the specified dates will be removed from the list of eligible applicants.

Applicants who are not admitted into the program may be interested in taking courses toward degree credits via the Foundations in Design (FIND) program. Interested applicants should consult with an Educational Advisor or with the Chip and Shannon Wilson School of Design prior to applying to the FIND program.

Portfolio Review and Interview Session

The portfolio review will include a review of the following:

- Examples of a broad range of art and design work
- Transcripts from high school and any post-secondary institutions attended (Note: transcripts sent with your application for admission are not available to faculty – you must include a copy in your portfolio)
- One to two pages, typewritten statement of your personal educational and career goals, including why you wish to pursue an education in Graphic Design for Marketing.
- Résumé outlining your education and/or work experience (including dates)
- Two letters of reference from teachers and/or employers supporting your application for admission to the Graphic Design for Marketing program.

For further more information about the portfolio review process, including submission details, visit the department's website at: kpu.ca/design/gdma/portfolios.

Upon successful completion of the portfolio review, applicants will be invited to attend an interview with faculty. The Office of Admissions will notify students of the results of the portfolio review and/or interview process.

The Chip and Shannon Wilson School of Design holds information sessions twice yearly in mid-October and mid-February. These information sessions will provide prospective applicants with an opportunity to view examples of student portfolios, and discuss portfolio and program admission requirements. It is highly recommended that applicants attend one of these sessions prior to submitting their portfolios for review by faculty.

CONTINUANCE REQUIREMENTS

Students must successfully complete ENGL 1100 and MRKT 1199 prior to commencing their second year in GDMA. Note that a minimum grade of C is required to meet course prerequisites.

A cumulative GPA of 2.67 (B-) is required by the end of Year 3 to progress into Year 4. Students with a GPA below 2.67 (B-) but who wish to continue to Year 4 should contact the Program Coordinator to discuss the next course of action.

PROGRAM REQUIREMENTS

The Bachelor of Design, Graphic Design for Marketing (GDMA) program consists of 120 credits, organized into eight semesters, over a four-year period.

Successful applicants may take their general education and non-discipline specific courses prior to entering the program and/or during the summer semester in order to lighten their workload during the term. Courses such as ENGL 1100, MRKT 1199 and others are usually offered during the summer semester.

Note: Senate has approved implementation of these program requirements retroactive to Fall 2013. For assistance with program planning, students admitted to GDMA prior to Fall 2014 should contact the department.

Year 1

SEMESTER 1

All of:

ENGL 1100	Introduction to University Writing	3 credits
GDMA 1100	Typographic Design I	3 credits
GDMA 1110	Image Development I	3 credits
GDMA 1121	Print Production Software Applications 1	3 credits
GDMA 1140	Graphic Design and Society I	3 credits

SEMESTER 2

All of:

GDMA 1200	Typographic Design 2	3 credits
GDMA 1210	Image Development 2	3 credits
GDMA 1220	Print Production Software Applications 2	3 credits
GDMA 1240	Graphic Design and Society II	3 credits
MRKT 1199	Introduction to Marketing	3 credits

Year 2

SEMESTER 3

All of:

CMNS 2140	Communications for Design Professionals	3 credits
GDMA 2100	Publication Design 1	3 credits
GDMA 2110	Introduction to Advertising Design	3 credits
GDMA 2120	Print Technologies	3 credits
GDMA 2140	Communication Design, Consumerism and Popular Culture	3 credits

SEMESTER 4

All of:

GDMA 2200	Publication Design 2	3 credits
GDMA 2210	Interactive & Integrated Media Design	3 credits
GDMA 2222	Integrated Media Software Applications	3 credits
GDMA 2230	Introduction to Marketing Communications	3 credits
GDMA 2240	Social Contexts for Interactive Media	3 credits

Year 3

SEMESTER 5

All of:

GDMA 3100	Information Design	3 credits
GDMA 3110	Interactive and Web Design 1	3 credits
GDMA 3122	Interactive Software Applications 1	3 credits
GDMA 3130	Marketing Communications Design 1	3 credits

And one GDMA Liberal Education Elective.

SEMESTER 6

All of:

GDMA 3200	Corporate Communications Design 1	3 credits
GDMA 3210	Packaging Design	3 credits
GDMA 3220	Interactive and Web Design 2	3 credits
GDMA 3222	Interactive Software Applications 2	3 credits
GDMA 3230	Marketing Communications Design 2	3 credits

Year 4

SEMESTER 7

All of:

GDMA 4100	Corporate Communications Design 2	3 credits
GDMA 4120	Major Project 1	3 credits
GDMA 4130	Small Business Essentials	3 credits
MRKT 4177	Contemporary Issues in Marketing	3 credits

And one Liberal Education Elective.

SEMESTER 8

All of:

GDMA 4200	Advertising Design	3 credits
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GDMA 4215	Display Design	3 credits
GDMA 4220	Major Project 2	3 credits
GDMA 4230	Mentorship for Professional Practice	3 credits
GDMA 4240	Contemporary Issues in Graphic Design	3 credits

Participation Required in the GDMA Degree Show

Graduating students are required to exhibit their work in the annual GDMA Degree Show, which normally takes place during May, prior to their Convocation Ceremony. They are expected to participate in the development of content, fundraising activities, planning, and implementation of this annual event.

The GDMA program reserves the right to approve the public exhibition of graduate work in the Degree Show.

Electives

The Graphic Design for Marketing (GDMA) program requires students to take two electives chosen from the approved GDMA Liberal Education Electives in order to fulfill the liberal education requirements for degree completion.

OTHER INFORMATION

Costs

Students should be prepared to spend approximately \$600 to \$1000 per year on books and materials.

Laptop program

Currently, the GDMA program provides classrooms equipped with desktop Macintosh computers. Applicants are advised GDMA plans to move to a student-leased laptop program in 2015-2016. This move is to ensure all students have access to required equipment and up-to-date, industry-standard software that will be serviced and maintained through KPU. Future students should budget approximately \$600 per semester as "fee for service" costs, and will have the option to purchase the laptop at the end of their lease.

CREDENTIAL AWARDED

Upon successful completion of the program, students are eligible to receive a **Bachelor of Design, Graphic Design for Marketing**.

Interior Design: Bachelor of Interior Design

Chip and Shannon Wilson School of Design	kpu.ca/design
Interior Design	kpu.ca/design/interior_design
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Interior Design Program provides four years of full-time study (September – April), to students wishing to pursue a professional career in interior design and related environments.

The Program is accredited by the Council for Interior Design Accreditation (CIDA) at the first professional degree level. CIDA is an international agency whose mission is to "lead the interior design profession to excellence by setting standards and accrediting academic programs." The mission of KPU's Interior Design program is "educating leaders for the profession of interior design".

The Interior Design Department regularly upgrades its program to meet the ever changing needs of the industry.

We work closely with the professional design community and respond to the needs and advice of that community through the following:

- Provide an education that includes all facets of interior design with emphasis on experience and skills in theory, research, critical analysis, problem-solving, design concepts, working drawings and specifications, technology, presentation media techniques, professional business practices and procedures, and awareness of human needs in interior design and related environments
- Prepare students for work in interior design and/or architectural offices
- Provide a practical and theoretical knowledge base that conforms to the definition and practice of interior design as described by the National Council for Interior Design Qualification (NCIDQ) and as endorsed in the North American definition of an Interior Designer
- Provide education in developing career readiness

The Interior Design program simulates a professional design environment. This "virtual design studio" offers integrated courses and curriculum, and emphasizes learning outcomes and essential skills throughout. These include: leadership skills, problem solving and creative thinking skills, teamwork, personal management, writing/oral/visual and interpersonal skills, reading and research skills, visual literacy, mathematical and technological skills, citizenship, and an ability to view issues through a global

perspective. For a breakdown of our streams and courses, please see kpu.ca/design/interior-design/courses.

Interior Design information sessions are scheduled each fall in order to answer questions from prospective students and to allow applicants to view entry portfolios of current students. These sessions have been of great benefit to those interested in entering the program. Please visit kpu.ca/events to confirm dates, times and location.

For more information on the Interior Design program, you may view our department web site at: kpu.ca/interiordesign.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum B (or equivalent)
- Portfolio Review and Interview Session*

* *Successful applicants will receive an invitation to the required Portfolio Review and Interview session.*

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Admission decisions to this program are based on interim grades therefore proof of grades must be submitted in accordance with the following deadlines:

- **Applicants currently in high school** must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- **Applicants currently taking English preparatory courses** must submit interim grades by March 31st with proof of final grades required by April 30th.
- **Applicants currently attending another post-secondary institution** must submit a final official transcript and a Request for Transfer Credit form by March 31st.
- **For all other applicants**, proof of having met the program's English proficiency requirement must be provided by March 31st.

Any applicant who has not submitted proof of grades by the specified dates will be removed from the list of eligible applicants.

Portfolio Review and Interview

Faculty will review the eligibility of candidates based on the contents of the portfolio and results of an interview (including prior learning assessments).

For detailed information about Interior Design as well as the interview and portfolio review process visit the department's website at kpu.ca/design/interior_design/portfolio.

PROGRAM REQUIREMENTS

Effective September 2013, students admitted to the Interior Design program in Fall of 2012 must complete Years 2 through 4 requirements as noted below.

The Interior Design program requires the completion of 128 credits of coursework. Students may take their general education and non-discipline specific courses prior to entering the program and/or during the summer semester in order to lighten their

workload during the term. Many general education courses are offered during the summer semester.

Please note, prerequisites for most Studio courses require a minimum grade of C+.

Year 1

SEMESTER 1

All of:

IDSN 1113	Studio 1	4 credits
IDSN 1121	Materials	3 credits
IDSN 1135	Design Awareness 1	3 credits
IDSN 1141	Technical Drawing 1	3 credits
	Approved elective (see Electives below)	3 credits

SEMESTER 2

All of:

IDSN 1202	Studio 2	4 credits
IDSN 1221	Components	3 credits
IDSN 1235	Design Awareness 2	3 credits
IDSN 1241	Technical Representation 2	3 credits
ENGL 1100*	Introduction to University Writing	3 credits

* **Note:** Completion of ENGL 1100 (or an approved writing intensive course at the 1100 level or higher) is required before entering Year 2.

Year 2

SEMESTER 3

All of:

IDSN 2300	Studio 3	4 credits
IDSN 2325	Building Systems 1	3 credits
IDSN 2331	Design Theories 1	3 credits
IDSN 2345	Drawing and Rendering 1	3 credits
IDSN 2375	Environmental Human Factors	3 credits

SEMESTER 4

All of:

IDSN 2400	Studio 4	4 credits
IDSN 2425	Building Systems 2	3 credits
IDSN 2431	Design Theories 2	3 credits
IDSN 2445	Drawing and Rendering 2	3 credits
	Approved elective (see Electives below)	3 credits

Year 3

SEMESTER 5

All of:

IDSN 3500	Studio 5	4 credits
IDSN 3525	Building Systems 3	3 credits

IDSN 3531	Design Theories 3	3 credits
	Approved elective (see Electives below)	3 credits
	Approved elective (see Electives below)	3 credits

SEMESTER 6

All of:

IDSN 3600	Studio 6	4 credits
IDSN 3625	Contract Documentation	3 credits
IDSN 3635	Design Theories 4	3 credits
IDSN 3692	Major Field Studies	2 credits
	Approved elective (see Electives below)	3 credits

Year 4

SEMESTER 7

All of:

IDSN 4001	Senior Studio 1	4 credits
IDSN 4720	Advanced Design Studies 1	3 credits
IDSN 4785	Professional Practice 1	3 credits
	Approved elective (see Electives below)	3 credits
	Approved elective (see Electives below)	3 credits

SEMESTER 8

All of:

IDSN 4002*	Senior Studio 2	4 credits
IDSN 4061	Professional Experience	1 credit
IDSN 4820	Advanced Design Studies 2	3 credits
IDSN 4880	Professional Practice 2	3 credits
	Approved elective (see Electives below)	3 credits
	Approved elective numbered 3000 or greater (see Electives below)	3 credits

* **Note:** A minimum grade of C+ is a graduation requirement.

Electives

For the Interior Design program, the following general education requirements must be met:

- 3 credits # English 1100: Introduction to University Writing; or an approved writing intensive course at the 1100 level or higher
- 24 credits of elective courses from outside the core academic discipline and from approved disciplines (see list below)
- 3 credits at the 3000/4000 level from approved disciplines

General Education Courses must be selected from at least three different academic disciplines (in addition to the required English course) and must include a minimum of six credits from the Faculty of Arts and 3 credits from Sciences (see list below). General Education courses taken at other institutions may be transferred for equivalent or unassigned credits.

DISCIPLINES FOR ELECTIVE COURSES

(any courses in the following subjects)

Faculty of Arts	Faculty of Science
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- Anthropology (ANTH)
- Art History (ARTH)
- Asian Studies (ASIA)
- Creative Writing (CRWR)
- Communication Studies (COMM)
- Criminology (CRIM)
- Economics (ECON)
- English (ENGL)
- Fine Arts (FINA)
- Geography (GEOG)
- History (HIST)
- Interdisciplinary Expressive Arts (IDEA)
- Journalism (JRNL)
- Liberal Education (LBED)
- Modern Languages including:
 - Cultural Studies (CUST)
 - French (FREN)
 - German (GERM)
 - Japanese (JAPN)
 - Linguistic (LING)
 - Mandarin (MAND)
 - Punjabi (PUNJ)
 - Spanish (SPAN)
- Music (MUSI)
- Philosophy (PHIL)
- Policy Studies (POST)
- Political Science (POLI)
- Psychology (PSYC)
- Sociology (SOCL)
- Quantitative Courses: list of courses that are approved to meet the quantitative requirements for KPU credentials.
- General Liberal Education Electives: List of courses that are considered General Liberal Education electives. Except the following:
 - Fashion & Technology (FASN)
 - Foundations of Design (FIND)
 - Graphic Design for Marketing (GDMA)

- Astronomy (ASTR)
- Biology (BIOL)
- Chemistry (CHEM)
- Environmental protection (ENVI)
- Mathematics (MATH)
- Physics (PHYS)
- Geology (GEOL)
- Horticulture (HORT)

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Interior Design**.

This Bachelor degree, followed by two cumulative years of work experience in the profession, qualifies graduates to write the National Council for Interior Design Qualification (NCIDQ) examination. This in turn, allows professional membership in the Interior Designers' Institute of British Columbia (IDIBC), the Interior Designers of Canada (IDC), and various international interior design associations.

OTHER INFORMATION

The third year of the program includes Major Field Studies as part of the curriculum requirements and the cost of travel is borne by the student.

The Interior Design program is delivered in an e-mobile environment which means students lease a laptop and all curriculum is housed online. Students need to include "fee for service" costs of the laptop and requisite course software for the duration of the 4 year degree program (approximately \$1,200 each year). **Students are advised not to purchase a laptop computer** as all required equipment, software and services will be supplied by KPU through this service.

Product Design: Bachelor of Design

Chip and Shannon Wilson School of Design	kpu.ca/design
Product Design	kpu.ca/productdesign
Implementation Date	01-Sep-2012
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Among the first of its kind in Canada, this new Bachelor's degree program provides emerging designers with a dynamic inter-disciplinary education that links innovation and creativity through the transformation of ideas into marketable products. Product designers combine science, design and technology to develop new products or improve existing products that focus on innovative and responsive solutions for humankind's interface with the world.

Product designers' integral focus is on process, taking concepts and ideas to completion by analyzing and implementing product designs all the way to the manufacturing and distribution phase. Whether identifying underserved, existing opportunities in the marketplace or innovating new products to fill people's needs, product designers are the leaders of tomorrow.

KPU's Product Design degree provides a rigorous, hands-on education that combines a solid foundation in practical principles such as physics and economics with design, manufacturing and marketing techniques. Whether engaging in robust academic studies, intensive design studio sessions or collaborating with industry partners, graduates of this program complete their studies poised for success in the marketplace.

While product design can cover a wide range of industry, KPU's program provides particular emphasis on the design and manufacture of "soft goods" such as recreational gear and technical goods, sportswear and accessories, protective, safety and rescue equipment to name a few. Students may also explore product design in medical, industrial and technological contexts as well as everyday consumer goods. These types of soft products are consistent and growing in demand by all sectors of society, ranging from children, adults and seniors to persons with disabilities and medical needs.

The stunning geography of British Columbia provides the perfect backdrop for you to earn your Product Design degree. Working in collaboration with professional associations and industry designers, as a graduate of this program you can expect to develop and design products that are relevant for Canadian and international economies, providing innovative solutions for emerging needs that can improve people's everyday lives and well-being.

KPU's strength and expertise lies in providing a world-class balance of academic rigour and instruction delivered from highly trained and specialized professionals with hands-on, practical immersion from industry leaders and cutting-edge innovators. The Product Design (DEPD) program has been carefully developed with to uphold high academic standards and industry partnerships to ensure our graduates meet the needs of the marketplace. As a successful DEPD graduate you will develop a deep understanding of the connection between product design, industry, and the marketplace and be empowered to undertake leadership positions in design practices aimed at advancing the industry.

The Degree

Product Design is a four-year, selective entry degree program consisting of 120 credits of course work organized into eight semesters of full-time study. The Product Design program provides you with an interdisciplinary education that consists of three major streams: Creativity and Innovation, Technology, Interdisciplinary and Leadership, all woven into an integrated curriculum and timetable.

You will develop knowledge, skills and abilities from a variety of domains within these three streams that link design and technology to an understanding of social, cultural and historical contexts through elective access to the wide range of courses available at this unique polytechnic university. You will be skilled in applying design theory and processes with an emphasis on critical thinking and creative problem solving, and originate and produce products that focus on transforming pliable materials, such as natural and synthetic fibres, wood, and metal; understanding the constraints and potential of digital technologies; collaborating with industries and markets; and creating responsible leaders in society for the challenges of today and tomorrow.

Key features of this program include:

- A dynamic, flexible and interdisciplinary curriculum relevant to the needs of industry
- A design program that fosters innovation and risk-taking
- A four-year program that includes conceptual opportunities with technical skills and a broad spectrum of liberal education courses
- Industry experience (work, travel, visits outside Vancouver to learn about national and international design, manufacture, and distribution companies)
- World-class facilities and equipment
- Faculty who are experts in their field

Visit the program's website at kpu.ca/productdesign or attend one of KPU's public information events for more information about Product Design at KPU.

Credit for Previous Learning

You may be eligible to obtain credit for segments of the Product Design program with results from courses taken in other programs at KPU, or at another institution. All applications for the transfer of credits will be assessed on an individual basis.

If you are an applicant with professional experience in the product design industry we welcome your inquiry about how you may acquire credits through Prior Learning Assessment (PLA). All applications for the transfer of credits are assessed on an individual basis, typically through a portfolio and interview process. For more information how to apply for transfer credits or PLA, visit kpu.ca/transfercredit.html.

STUDENT PROFILE

Applicants to design programs come from diverse backgrounds and age groups. You may be applying to the Product Design program as a graduate from high school, or you may be transferring from another KPU program, or from another institution, or you may be a design professional, wanting to upgrade your credentials. We'd be delighted to receive your application and discuss your possible educational pathway with you.

Perhaps your background includes an active interest in recreation, sports, dance, special occupations or an ambition to improve the design of items related to these pursuits, or as an entrepreneur wanting to improve the quality of life for groups under-represented by product design. Your creative skills might be in drawing, painting, photography, computer graphics, sculpture, crafts and other 3D work. You might simply be inventive and enjoy making gadgets and taking them apart. Whatever your profile, you are likely to be a risk-taker, problem-solver, willing to push boundaries, able to work independently and in teams, and engage in a rigorous design education.

It is strongly recommended that you have basic skills in English communication, word processing, basic mathematics, plus an awareness of product design, with ideas about how to improve current products and processes – in Canada and internationally.

Because of the varied profiles of our applicants, we will work with you to construct an educational pathway suitable to your goals. Our aim is to ensure that your time at KPU is enriching and enjoyable.

CAREER OPPORTUNITIES

Product design is a relatively new and evolving design field, but with many very successful companies in Vancouver, known around the world for excellence in recreational and technical gear. There are also many opportunities that you might consider, overseas, in countries noted for manufacture of these items.

Upon graduation, you will have produced an extensive portfolio of innovative work, including a major research and development project that combines all the skills and knowledge necessary for this field. You would be prepared for such careers as:

- Product designer
- Industrial designer
- Product developer
- Product buyer
- Product production supervisor
- Environmental designer
- Packaging designer

You could work independently as a consultant, an entrepreneur, as a staff designer for an existing design studio, retailer, or manufacturer.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum grade of B (or equivalent)
- Portfolio Review and Interview Session

** Successful applicants will receive an invitation to the required Portfolio Review and Interview session. Alternative arrangements are possible for students who live outside the Greater Vancouver Region and who cannot attend in person. It is, however, in the best interest of applicants to make every effort to attend in person.*

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Admission decisions to this program are based on interim grades therefore proof of grades must be submitted in accordance with the following deadlines:

- Applicants currently in high school must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- Applicants currently taking English preparatory courses must submit interim grades by March 31st with proof of final grades required by April 30th.
- Applicants currently attending another post-secondary institution must submit a final official transcript and a Request for Transfer Credit form by March 31st

For all other applicants, proof of having met the program's English proficiency requirement must be provided by March 31st.

Any applicant who has not submitted proof of grades by the specified dates will be removed from the list of eligible applicants.

PROGRAM REQUIREMENTS

The Bachelor of Design, Product Design (DEPD) program consists of 120 credits, organized into eight full-time semesters, over a four-year period.

You may complete electives and other general education courses prior to entering the program, or at any time during your program. See "Electives" below.

Note: DEPD courses are assessed Tuition Category 2.a.3 tuition and fees for domestic students.

Year 1: Fundamentals & Discovery

FALL

All of:

DEPD 1100	Design Methods and Materials	3 credits
DEPD 1110	Visualization for Product Design	3 credits
DEPD 1120	Computer Fundamentals	3 credits
DEPD 1121	Construction Technologies	3 credits
ENGL 1100	Introduction to University Writing	3 credits

SPRING

All of:

DEPD 1130	Design Thinking	3 credits
DEPD 1210	Three-Dimensional Design: Product Design	3 credits
DEPD 1220	Digital Technologies for Product Design	3 credits
FIND 1150	Designing For Humanity	3 credits

FIND 1220	Interdisciplinary Design History II	3 credits
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Elective (see Electives below)	3 credits
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Year 2: Exploration & Divergence

FALL

All of:

DEPD 1230	Transformative Thinking for Product Design	3 credits
DEPD 2310	Design Explorations 1: Materials & Fasteners	6 credits
DEPD 2320	Material Technology	3 credits
MRKT 1199	Introduction to Marketing	3 credits

SPRING

All of:

DEPD 2410	Design Explorations 2: Materials in Context	6 credits
DEPD 2420	Production Technology	3 credits
DEPD 2430	Socio-Cultural Issues in Design	3 credits
DEPD 2431	Human Factors for Product Design	3 credits

Year 3: Engagement & Practice

FALL

All of:

DEPD 3510	Design Engagement 1: Leisure and Sports Gear	6 credits
DEPD 3520	Production Technology- Sourcing	3 credits
DEPD 3530	Semiotics for Product Design	3 credits
Elective (see Electives below)		3 credits

SPRING

All of:

DEPD 3610	Design Engagement 2: Special Protective Gear	6 credits
DEPD 3620	Product Manufacturing	3 credits
DEPD 3630	Industry Experience	3 credits
Elective (see Electives below)		3 credits

Year 4: Convergence & Realization

FALL

All of:

DEPD 4710	Design Convergence 1: Research & Ideation	6 credits
DEPD 4720	Products & Business Scenarios	3 credits
MRKT 4177	Contemporary Issues in Marketing	3 credits

SPRING

All of:

DEPD 4810	Design Convergence 2: Realization & Praxis	9 credits
DEPD 4831	The Business of Product Design	3 credits
Elective (see Electives below)		3 credits

Electives

During their third and fourth years in the DEPD program, students are required to complete four elective courses of 3 credits each. Electives must be KPU courses numbered 1100 or higher except FIND, FASN, FMRK, GDMA, or IDSN. Students are encouraged to select a range of elective courses that both broaden their learning and also assist them in their design studios and technology workshops.

OTHER INFORMATION

Laptop program

The Product Design program is delivered in an e-mobile environment which includes laptops, computers and software. Students may need to purchase laptop computers and requisite course software for the duration of the 4 year degree program. Specifications and requirements will be provided to successful applicants.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Design, Product Design**.

Technical Apparel Design: Post Baccalaureate Diploma

Chip and Shannon Wilson School of Design	kpu.ca/design
Technical Apparel	kpu.ca/technicalapparel
Implementation Date	01-Sep-2014
Start Date(s)	January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Post Baccalaureate
Credential Granted	Post Baccalaureate Diploma
Offered At	Richmond
Format	Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Internationally renowned for their quality and innovation, BC's technical apparel industries are poised for growth and are looking for talented, trained designers who can generate new ideas and further technological advances in their field. Technical apparel is defined as apparel designed and manufactured primarily for their technical and performance properties for specific end-uses such as sports, recreation, protection, survival, health and well-being, and military. KPU has the unique opportunity of being in the centre of a dynamic hub of more than three dozen technical apparel businesses in greater Vancouver that are serving markets created by a population focused on health, recreation, and outdoor activities.

Students in the Post Baccalaureate Diploma in Technical Apparel Design will pursue advanced studies in new methodologies in technical textiles, human factors in design contexts, production, and global business strategies. Developed through extensive collaboration with KPU alumni, Vancouver-based companies such as Arc'teryx, Global Collective, Lululemon, Mountain Equipment Co-op, Mustang Survival, and Sugoi, along with researchers and academics across Canada and internationally, it connects research, education, and business to support, inspire, and create innovative approaches to apparel design.

Students will build on their undergraduate education to further develop their ability to uncover market needs and opportunities from a global perspective. Through a wide variety of innovative learning activities that allow for exploration, experimentation, examination, and evaluation, students will develop a more in-depth understanding of the properties of technical textiles that influence the performance of functional apparel design. Students will practice working within a short timeline to design and produce prototypes using an iterative process to test products based on their purpose, fit, and functionality, culminating in a capstone project to present a business case, design, prototype and test a solution to an identified problem.

Students will also have close interactions with local and global industries through special topics guest speakers, symposiums, field studies, workshops, and mentorships. The Chip and Shannon Wilson School of Design creates partnerships that enable students to interact with technical apparel companies and university research and testing centres.

Graduates feed directly into the talent pipeline that demands highly-trained designers for this expanding industry in BC and internationally. In a recent survey of BC's technical apparel companies, 64% of respondents reported employment growth in the last two years with nearly 25% reporting growth of greater than 20%. Overall, technical apparel employment is expected to increase by 23% in the next two years. Of the polled respondents, 81% believe that products with technical characteristics are unique and pose training challenges for certain positions (BC Technical Apparel Sector Study, October 2012). Graduates from this program will be prepared to meet these demands.

The Post Baccalaureate Diploma in Technical Apparel Design is a 12 month, selective entry, cohort program consisting of 30 credits of course work organized into three semesters. Starting January 2015, courses offered through a compressed schedule will enable those currently employed in industry to attend.

Note: Students in this program may have opportunities, but will not be required, to travel to interact with partners at universities or technical apparel companies in other provinces and the United States. Travel expenses are not funded through tuition fees. Similar opportunities may be provided locally.

STUDENT PROFILE

To be successful in the business of design, industry needs creative innovators who are willing to take risks, technologists who can strategize, and leaders who can manage the continuing shifts in today's economy. It also needs critical thinkers who challenge the existing framework and will elevate the industry.

The Post Baccalaureate Diploma in Technical Apparel Design is aimed at an independent learner who is driven to explore in a creative learning environment that allows unexpected, surprising, and delightful ideas to emerge.

The program will attract graduates from a wide range of disciplines that include fashion, textile design, product design, industrial design, interior design, engineering, business or kinesiology. It will also appeal to professionals working in areas of design, health and well-being, engineering, sport, and ergonomics. These professionals are drawn to furthering their design education in order to keep up with today's global economy and innovative technologies, along with cultural and environmental sustainability issues. The program attracts students from BC, Canada, USA, and around the world.

Great designers come from a range of places, life experiences and educational settings. They will have an inquiring mind, professional skills, leadership potential, ambition and a passion for design and innovation. For entrance, it is expected they will demonstrate the general dimensions of learning outcomes commonly identified with an undergraduate education.

CAREER OPPORTUNITIES

Graduates of this advanced baccalaureate program will be the next generation of design innovators, strategic technologists and transformative leaders, with the increased ability to drive change and create progress in the technical apparel industry.

Graduates of the program will not only access new design and technical knowledge but will also develop competencies for design thinking with the end-user in mind, leadership, and global business skills. They will be prepared to work in a number of areas in apparel and product design and production, with emphasis on technical and high performance materials. Graduates may also be interested in industrial design, the health-care industry, business development and manufacturing.

As students complete their capstone project, they may be inspired to pursue graduate studies to further their applied research interests.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- A design-related* baccalaureate degree from a recognized post-secondary institution with:
 - a minimum cumulative GPA of 3.0
 - 3 credits of post-secondary level English (or equivalent)
- Letter of Interest
- Interview

For further details about the letter of interest and interview process, including submission specifics, visit the department's website at: kpu.ca/technicalapparel.

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

** Undergraduate degrees from relevant disciplines will be considered, including Fashion, Product Design, Interior Design, Kinesiology (Human Factors/Ergonomics), Architecture, Visual and Fine Arts, Graphic Design, Textile Design, Industrial Design, Engineering and Business. Students outside of these disciplines should contact the department for more information about the consideration of their degrees.*

Effective Spring 2015

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- A design-related* baccalaureate degree or equivalent** from a recognized post-secondary institution with:
 - a minimum cumulative GPA of 2.67 in the final 60 credits of study
 - English 12 with a minimum grade of B, or equivalent
- Letter of Interest package (attached)
- Interview

For further details about the letter of interest package and interview process, including submission specifics, visit the department's website at: kpu.ca/technicalapparel.

During the portfolio and interview process, faculty members evaluate each applicant for suitability for admission.

Notes:

** Undergraduate degrees from relevant disciplines will be considered, including Fashion, Product Design, Interior Design, Kinesiology (Human Factors/Ergonomics), Architecture, Visual and Fine Arts, Graphic Design, Textile Design, Industrial Design, Engineering, Science and Business. Students outside of these disciplines should contact the department for more information about the consideration of their degrees.*

*** An example of equivalency may be a diploma in a related discipline and at least 5 years industry or design related experience.*

PROGRAM REQUIREMENTS

This program requires students to complete a total of 30 credits including a 9-credit capstone project. Students are required to study full time (12 credits) in their first semester, and part-time for the next two semesters. Intakes generally start in the January semester.

Note: DETA courses numbered 5000 or higher are assessed \$525/credit for tuition, \$36.75/credit for Student Fees, plus Kwantlen Student Association fees for a Selective Entry program. Rates apply to all students.

Semester One

IDENTIFICATION & INSPIRATION

All of:

DETA 5110	Technical Apparel in Context	3 credits
DETA 5120	Technical Textile Technologies	3 credits
DETA 5130	Creative Innovation	3 credits
DETA 5140	Advances in Apparel Production	3 credits

Semester Two

CONCEPTUALIZATION & EXPLORATION

All of:

DETA 5200	Global Business Strategies for Technical Apparel	3 credits
DETA 5210	User Experience	3 credits
DETA 5230	Strategic Design Direction	3 credits

Semester Three

SYNTHESIS & DISSEMINATION

All of:

DETA 5300	Capstone Project	9 credits
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OTHER INFORMATION

Students should be prepared to spend approximately \$1000 on books, supplies, and fabric over the three semesters.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Post Baccalaureate Diploma in Technical Apparel Design**.

Faculty of Health

Welcome to the Faculty of Health.

DEAN:

Tru Freeman, PhD

Phone: 604.599.2263

E-mail: tru.freeman@kpu.ca

IN THIS SECTION:

You will find details of the Health programs:

- About the Faculty of Health
- Critical Care Nursing: Post Baccalaureate Certificate
- Gerontology-Based Therapeutic Recreation: Certificate
- Graduate Nurse Qualifying: Certificate of Completion
- Graduate Nurse Re-Entry: Citation
- Graduate Nurse, Internationally Educated Re-entry: Certificate
- Health Care Assistant: Certificate
- Health Unit Coordinator: Certificate
- Nursing: Bachelor of Science in Nursing
- Nursing: Bachelor of Science in Nursing Post-Baccalaureate
- Nursing: Degree Completion for Registered Nurses
- Psychiatric Nursing: Bachelor of Psychiatric Nursing
- Psychiatric Nursing: Degree Completion for Registered Psychiatric Nurses
- Psychiatric Nursing: Degree Completion for Stenberg College Graduates

CONTINUING / PROFESSIONAL STUDIES

The Faculty of Health also offers a selection of continuing education and professional studies courses and programs. For more information about these offerings, see kpu.ca/health/professional_studies.

Critical Care Nursing: Post Baccalaureate Certificate

This program is on hiatus indefinitely.

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Post Baccalaureate Certificate
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Critical Care Nursing Program offered by Kwantlen Polytechnic University provides Registered Nurses (RNs) with the skills and knowledge to successfully transition their career into Critical Care Nursing. The program is aligned with the competencies of the Canadian Nurses Association certification exam for Adult Critical Care.

Note: This program is only offered under special circumstances.

CAREER OPPORTUNITIES

The program is designed to gradually introduce students to the highly technological environments of critical care.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Baccalaureate degree in Nursing.
In lieu of a degree, practicing Registered Nurses with a diploma and several years acute care experience may be considered for admission on an individual basis. Current resume and interview required.
- Current Practicing CRNBC registration
- Letter of recommendation from employer
- Current Canadian CPR Level C

PROGRAM REQUIREMENTS

This program is delivered over seventeen weeks and currently starts at the beginning of January and finishes at the end of April of each year. The program is designed to gradually introduce the students to the highly technological environments of critical care. Theory and lab experiences are interspersed over the first twelve weeks. Practicum experiences during these first twelve weeks include an observational experience in a cardiac interventional unit, a cardiac surgical ICU and practical experience in an acute

coronary care unit and a critical care step down unit. The program concludes with a final five week practicum in an ICU.

All of:

CCNG 5000	Professional Issues in Critical Care Nursing	1 credits
CCNG 5010	Critical Care Nursing Theory 1	3.5 credits
CCNG 5020	Critical Care Nursing Practice 1	3 credits
CCNG 5030	Critical Care Nursing Theory 2	2 credits
CCNG 5040	Critical Care Nursing Theory 3	2 credits
CCNG 5050	Critical Care Nursing Practice 2	5.5 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Post Baccalaureate Certificate in Critical Care Nursing**.

Gerontology-Based Therapeutic Recreation: Certificate

Intakes for this program have been postponed indefinitely.

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	September May
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Graduates of the Gerontology-Based Therapeutic Recreation (GBTR) program will apply theoretical and practical knowledge of gerontology, therapeutic recreation and recreation and leisure programming in the community, senior day centres and long-term care settings. Students in the full-time program will graduate after three semesters. Graduates can ladder into select diploma programs at Douglas College and Lethbridge Community College.

The GBTR program is part of the Education, Community, and Health specialties initiative that provides students the opportunity to study with students in other programs. These programs include: Special Education Teacher Assistant (SETA), Community Support Worker (CSW), Home Support/Resident Care Attendant (HS/RCA) and the GBTR program. Students from all four programs will take core courses under the acronym ECHS. In addition Students from the GBTR program will also take program specific courses.

CAREER OPPORTUNITIES

Graduates are highly sought after and readily obtain employment. The graduates work in a variety of settings (assisted living, long-term care, special care, community support, adult day centres, parks and recreation for seniors) as a frontline practitioner in therapeutic recreation for seniors. Graduates are prepared to function collaboratively as members of a multi-disciplinary health care team.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Attendance at an information session
- Completion of 50 volunteer hours within a gerontology based recreation setting (adult day centre, extended care facility, assisted living)

- Two supportive employment/volunteer letters of recommendation from persons in a responsible position (excluding family)
- A valid Canadian CPR Level C must be completed prior to first practicum
- A criminal record search completed within three months prior to enrolling in the program
- If you are not a Canadian citizen, you are required to secure a Criminal Record Search with the Vulnerable Sector from your country of origin. This requirement is in addition to the Canadian Criminal Record Search with Vulnerable Sector through your application with the College of Registered Nurses of BC. Please note that your Criminal Record Search must be mailed directly from the issuing agency to Kwantlen Polytechnic University Admissions.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Students in the Gerontology-Based Therapeutic Recreation Program are required to demonstrate the ability to perform a variety of cognitive, emotional and psycho-motor skills safely and knowledgeably.

Students with cognitive or physical impairments, who may require program or practicum accommodations, should contact the program coordinator to discuss required skills and competencies at 604.599.3331, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

All of:

CMNS 1216	Writing for the Specialized Workplace 1	1.5 credits
CMNS 1217	Writing for the Specialized Workplace 2	1.5 credits
ECHS 1112	Interpersonal Communications I	1 credit
ECHS 1212	Interpersonal Communications II	1.5 credits
ECHS 1125	Principles of Observation	1.5 credits
ECHS 1135	Essentials to Person-Centered Practice	3 credits
GBTR 1100	Introduction to Aging	3 credits
GBTR 1111	Facets of Aging	3 credits
GBTR 1120	Program Planning and Design	3 credits
GBTR 1130	Introduction to Fitness for Seniors	1.5 credits
GBTR 1200	Identity and Dementia	2 credits
GBTR 1210	Programming for people with dementia	2 credits
GBTR 1235	Recreation Assessment and Planning	3 credits
GBTR 1241	Valuing Ethnicity and Diversity	2 credits
GBTR 1250	Practicum 1	2 credits

GBTR 1255	Practicum 2	2 credits
GBTR 1350	Practicum III	3 credits

Note: GBRC 1090, an access course, is available for graduates of the Activity Coordinator Program previously offered at Kwantlen Polytechnic University.

OTHER INFORMATION

Costs

Student loans are available. A non-refundable deposit of \$350.00 required. Additional student and administrative fees apply to this program. Fees are subject to change without notice.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Gerontology-Based Therapeutic Recreation**.

Graduate Nurse Qualifying: Certificate of Completion

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Selective entry
Enrolment Type	Self-paced
Program Type	Undergraduate
Credential Granted	Certificate of Completion
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Through online study and clinical practice, the Graduate Nurse Qualifying courses are designed to meet the needs of internationally educated nurses who do not have sufficient education in maternal-child, pediatric or mental health nursing to meet the requirements of the College of Registered Nurses of British Columbia (CRNBC).

CAREER OPPORTUNITIES

These courses are designed to assist the graduate to meet basic educational requirements for nurse registration in British Columbia.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Letter from the CRNBC stating the need for a qualifying course in one or more of the following areas: maternal-child, pediatric, mental health nursing

Students must meet the following course requirements prior to clinical placement:

- Canadian CPR Level C certificate that must remain current throughout the course.
- A Canadian TB skin test or chest x-ray dated within 2 years of registering into the program.
- Criminal Records review, issued by the BC Ministry of Public Safety and Solicitor General.

Please be advised that applications to this program will only be accepted from Canadian citizens and permanent residents / landed immigrants of Canada.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration. Some practice experience agencies may require proof of current immunizations. Failure to have documentation acceptable to the immunization at the time of placement may mean

denial of the experience, which in turn will prevent completion of the program of studies.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crnbc.ca.

PROGRAM REQUIREMENTS

Both of:

GNQU 1301 Fundamentals of Mental Health Nursing 3 credits

GNQU 1305 Mental Health Preceptorship 3 credits

Or both of:

GNQU 1309 Fundamentals of Maternal-Child Nursing 3 credits

GNQU 1317 Maternal / Child Preceptorship 3 credits

Or both of:

GNQU 1321 Fundamentals of Pediatric Nursing 3 credits

GNQU 1327 Pediatric Preceptorship 3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate of Completion in Graduate Nurse Qualifying**.

Graduate Nurse Re-Entry: Citation

Effective the Fall Term of 2014, admission to the GNUR program is suspended for an indefinite period of time. Admission to the program is closed, but students currently in the program will be able to complete it. The status of this program will be reviewed in the future, and another announcement will be forthcoming in regard to it.

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Self-paced
Program Type	Undergraduate
Credential Granted	Citation
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Graduate Nurse Re-entry (GNUR) program is specifically designed for Registered Nurses with current or previous registration who are wishing to reinstate/renew their practicing registration but cannot meet the continuing competence requirements as mandated by CRNBC. Prior to acceptance into the program, interested individuals will be required to submit a copy of their letter of assessment from CRNBC regarding their eligibility to reinstate registration upon successful completion of the GNUR program. Nurses with temporary or student registration do not qualify.

The program consists of four courses and can be completed on a part-time basis over 12 - 18 months. The courses include nursing theory, pharmacology, and psychomotor skills labs, followed by a 160 hour preceptorship in a health care setting.

CAREER OPPORTUNITIES

This program prepares the graduate to practice nursing by meeting the re-entry course requirement for registration with the College of Registered Nurses of BC (CRNBC). Once registered, nurses are prepared to work in a variety of areas.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Proof of current or previous registration in Canada by a provincial or territorial regulating authority for Registered Nurses.
- A letter of assessment from the College of Registered Nurses of British Columbia (CRNBC) stating eligibility for registration

upon successful completion of a graduate nurse re-entry program.

- Criminal record review, issued by the BC Ministry of Public Safety and Solicitor General, completed within 6 months prior to the start of the program. A criminal record review is required by the CRNBC prior to registration as a nurse and is a pre-practice requirement of some of the clinical agencies used during the program. Related costs are the responsibility of the individual student. The CRNBC may refuse to register any person who has been convicted of an indictable offence. Failure to have documentation acceptable to the agency at the time of placement may mean denial of the experience, which in turn will prevent completion of the program of studies. Applicants with any criminal convictions should request advice from the Registrar of the College of Registered Nurses of BC (CRNBC) before making formal application for admission to the program.

Note: Prior to applying, prospective students with mental or physical impairments, who may require program or preceptorship accommodations should contact the Program Coordinator at 604-599-3116 to discuss skills and competencies, and a Disability Advisor at 604-599-2148 to ensure that appropriate accommodations can be arranged. Please refer to the "Requisite Skills and Abilities" document found on the College of Registered Nurses of British Columbia (CRNBC) website at www.crnbc.ca/downloads/464.pdf for further information regarding requirements for registration with CRNBC.

Additional Requirements

Prior to enrolling in GNUR 1210, students must have completed the following:

- Canadian CPR Certificate - Health Care Provider. CPR certification must remain current throughout the course.
- A Canadian TB skin test or chest x-ray dated within 2 years of registering into the program.
Some Clinical agencies may require students to take an Oath of Confidentiality.

All costs associated with the above requirements are the responsibility of the individual student.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration. Some practice experience agencies may require proof of current immunizations. Failure to have documentation acceptable to the agency at the time of placement may mean denial of the experience, which in turn will prevent completion of the program of studies.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crnbc.ca.

PROGRAM REQUIREMENTS

The program admits students every semester and is organized into 4 courses.

This self-paced, program is offered on a semester basis. The program includes on-line material for home study with on-line exams, nursing skill laboratory sessions and hospital clinical experience. The content provides students with the knowledge and skills necessary to provide safe nursing care for adults in the health care setting.

Required courses:

GNUR 1120	Graduate Nurse Re-entry: Theory	3 credits
GNUR 1104	Pharmacology	2.5 credits
GNUR 1180	Workshops and Labs	3 credits
GNUR 1210	Preceptorship	6.5 credits

Note: The preceptorship course is 160 practice hours (minimum) and takes place in a nursing practice setting. The student may suggest the setting and every effort will be made to accommodate the student's request.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Graduate Nurse Re-Entry**.

Graduate Nurse, Internationally Educated Re- entry: Certificate

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This unique program prepares internationally educated nurses (IENs) for professional nursing practice in Canada. This program is designed for IENs who may wish, or are required by the College of Registered Nurses of British Columbia (CRNBC) to renew and enhance nursing knowledge and skills, in preparation for nursing practice and licensure in Canada.

This program is designed to:

- Prepare IENs to practice within the Canadian health care setting
- Renew and enhance previously acquired knowledge and skills
- Identify and address individual needs
- Ensure graduates meet the professional practice requirements
- Enable effective communication skills with patients and colleagues
- Assist in preparing IENs to write the Canadian Registered Nurse exams (CRNEs)

Note: Clinical placements take place at any of the Lower Mainland hospitals between North Vancouver and Chilliwack. Students are responsible for their own transportation to clinical experiences.

CAREER OPPORTUNITIES

Upon successful completion of the program and the Canadian Registered Nurse Examination, graduates will be eligible to apply to practice as a registered nurse in British Columbia.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- A letter of assessment from the College of Registered Nurses of British Columbia (CRNBC) stating eligibility for registration

upon successful completion of a graduate nurse re-entry program.

- Proof of Canadian CPR Level C certificate; CPR certification must remain current throughout the program.
- A Canadian TB skin test or chest x-ray dated within 2 years of registering into the program.
- Criminal record review issued by the BC Ministry of Public Safety and Solicitor General. A criminal record check review is required by the CRNBC prior to registration as a nurse and is pre-practice requirement of some of the clinical agencies used during the program. Related costs are the responsibility of the individual student. The CRNBC may refuse to register any person who has been convicted of an indictable offence.

Note: Some agencies may require students to take an Oath of Confidentiality.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Some practice experience agencies may require proof of current immunizations. If any practice experience agencies require proof of current immunizations, students are responsible for all costs related to immunization. Failure to have acceptable documentation at the time of placement may jeopardize completion of the program.

Please be advised that applications to this program will only be accepted from Canadian citizens and permanent residents / landed immigrants of Canada.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crnbc.ca.

PROGRAM REQUIREMENTS

The program requirements, courses, course credits, and graduation requirements for this program were revised effective Fall 2013. Students starting studies in Fall 2013 should contact the program chair for their detailed program requirements.

The Graduate Nurse, Internationally Educated Re-entry Certificate program consists of 47 credits organized into three semesters.

A student must achieve a minimum grade of C in a theory course and mastery in a clinical course in order to progress to a subsequent course and to receive the program certificate. The clinical experience evaluation includes judgments about interpersonal skills, professional behaviour, and clinical knowledge and skills based on the CRNBC scope of practice standards. If a student is not successful in one course withdrawal from co-requisite courses is mandatory.

Semester 1

All of:

GNIE 1102	Relational Engagement in Nursing Practice	3 credits
GNIE 1104	Pharmacology for Nurses	2 credits
GNIE 1117	Professional Nursing Practice	9 credits

GNIE 1118 Professional Nursing Theory 5 credits
1

Semester 2

All of:

GNIE 1218	Professional Nursing Theory	7 credits
		2
GNIE 1227	Professional Nursing Practice	6 credits
		2

Semester 3

All of:

GNIE 1328	Professional Nursing Theory	7 credits
		3
GNIE 1337	Professional Nursing Practice	8 credits
		3

OTHER INFORMATION

Costs

In addition to tuition fees, students will spend approximately \$2,000 for textbooks, course materials, uniforms, during the program. Students are also responsible for providing their own transportation to clinical experiences.

A personal computer or mobile computing device is required in this program.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Graduate Nurse, Internationally Educated Re-entry**.

Health Care Assistant: Certificate

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Certificate
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Health Care Assistant (HCAP) program is designed to provide students with opportunities to develop the knowledge, skills and values necessary to function as a front-line caregiver in a variety of long-term care settings that include both residential care facilities and home support agencies. The graduate is prepared to provide care to older adults experiencing diverse, often complex but relatively stable, health and illness needs.

Graduates are prepared to function collaboratively as members of an inter-disciplinary health care team. In a facility they work under the direct supervision of an appropriate health professional. In the home care setting they work more independently but are always under the direction of a health professional.

In addition to tuition fees, students will spend approximately \$1,500 for textbooks, course materials, uniforms and shoes, transportation and parking, etc., during the program. Students are responsible for providing their own transportation to clinical experiences.

CAREER OPPORTUNITIES

Upon completion of the program, graduates are qualified to work in any level of continuing care services, including:

- Home Support
- Complex Care
- Assisted Living
- Adult Day Care

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply:

- A criminal record review, issued by the BC Ministry of Public Safety and Solicitor General. Applicants who are not a Canadian citizen are required to secure a Criminal Record Search with the Vulnerable Sector from their country of origin.
- Food Safe Level I course
- Valid First-Aid Certificate (St. John's Ambulance Standard First Aid or Red Cross Standard First Aid)

- Canadian CPR level C
- Canadian TB test
- Attendance at a Health Care Assistant information session

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Students who do not meet KPU's General university admission requirements for English Proficiency may meet this requirement with:

- A minimum score of writing level 8 on KPU's Accuplacer test. Applicants whose first language is not English and who have taken less than 9 years of education in Canada are required to take KPU's Accuplacer ELST test and achieve a score of 98 with a writing band of 5.

Students in the program are required to demonstrate the ability to perform a variety of cognitive, emotional and psychomotor skills safely and knowledgeably. Students with physical, intellectual, or emotional disabilities are obligated to contact the coordinator of the Health Care Assistant program to discuss the required skills and competencies.

PROGRAM REQUIREMENTS

The program is 30 weeks in length.

The student will spend a total of approximately 870 hours in a variety of learning environments over the program length, including classroom, nursing laboratory, resident care facilities, and home care environments. They will be expected to do both daytime (0700–1500) and evening (1500–2300) shifts.

The last five weeks of the program will be a full-time work experience.

Semester 1

All of:

ABTY 1141	Introductory Word Processing	3 credits
ECHS 1114	Communications for Caring Professions	2 credits
HCAP 1120	Wellness: Health, Lifestyle & Choice	1.5 credits
HCAP 1124	Health and Healing: Concepts for Practice 1	3 credits
HCAP 1126	Personal Care Skills & Clinical Practice	8 credits
HCAP 1135	Person Centered Practice in Healthcare	1.5 credits

Semester 2

All of:

HCAP 1224	Health and Healing: Concepts for Practise 2	3 credits
HCAP 1225	Health Care Assistant Advanced Skills	3 credits
HCAP 1240	Dementia and Special Needs: Theory and Practise	5 credits
HCAP 1245	Health Care Assistant Final Practicum	5 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Health Care Assistant**.

Health Unit Coordinator: Certificate

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Health Unit Coordinator Program provides students with opportunities to develop the knowledge, skills, and values required to work as a Unit Coordinator on a nursing unit at an acute care hospital, clinic or long term care unit. Graduates are also prepared to work as members of a multidisciplinary health care team.

In addition, the program is available to currently employed Unit Coordinators who wish to upgrade their skills.

During the program, students will learn how to transcribe and prioritize doctors' orders accurately and to coordinate appointments and activities for patients. Students will also learn how to communicate effectively with medical personnel, patients and families.

The last 4 weeks of the program provide students with opportunities to demonstrate the theory and skills learned in the classroom in a clinical setting as their practicum. Students will work with a preceptor and an instructor to meet their objectives.

The practicum is offered in cooperation with hospitals in the Lower Mainland and a variety of practicum settings will be used to give students diverse hospital experiences.

Student loans are available for this full-time program. Students are also responsible for costs related to travel to practicum, uniforms, and textbooks.

This program is offered on the Langley Campus on a full-time (day) or full-time (evening) basis. Day time program – September intake only. Evening program – January intake only.

CAREER OPPORTUNITIES

Graduates of the HAUC program find employment as Unit Coordinators (also known as Nursing Unit Assistants and Unit Clerks) in acute and long term care nursing units as well as clinics.

The HAUC certificate is recognized by the Health Authorities in the Lower Mainland.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Typing speed 40 wpm (50 wpm upon completion of the program)
- Attendance at a Health Unit Coordinator Information Session
- Criminal Record review issued by the BC Ministry of Public Safety and Solicitor General
- If you are not a Canadian citizen, you are required to secure a Criminal Record Search with the Vulnerable Sector from your country of origin.

Note: Computer skills are highly recommended for students applying for this program.

PROGRAM REQUIREMENTS

Students must achieve and maintain a B- grade or higher in this program.

Note: HAUC courses are assessed Tuition Category 2.a.4 tuition and fees for domestic students.

Semester 1

Designed to give students a theoretical background to the subject matter and its application.

All of:

HAUC 1000	Medical Terminology	5 credits
HAUC 1005	Communication and Logistic Skills	2.5 credits
HAUC 1010	Chart Records and Admissions	2.5 credits
HAUC 1015	Pharmacology Fundamentals	2.5 credits

Semester 2

The course work will blend theoretical and practical subject materials. Practical experience on a nursing unit will be incorporated in the program.

All of:

HAUC 1100	Treatment and Medication Orders	3.5 credits
HAUC 1110	Laboratory Orders 1	2 credits
HAUC 1115	Laboratory Orders 2	2 credits
HAUC 1120	Diagnostic Orders	3 credits
HAUC 1125	Medical/Surgical/Maternity Orders	2.5 credits
HAUC 1200	Practicum	4 credits

The final practicum involves a 168 hour practicum in an assigned nursing unit working with a unit coordinator as a preceptor and a Practicum Supervisor. Students will gradually assume the responsibilities of the role while completing their objectives.

Total Program Hours – 678 (approximately 33-40 weeks full-time)

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Health Unit Coordinator**.

Nursing: Bachelor of Science in Nursing

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2012
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The program is recognized by the College of Registered Nurses of British Columbia (CRNBC) and is accredited by the Canadian Association of Schools of Nursing (CASN).

The purpose of the program is to educate nurses to work with individuals, families, groups and communities from a health promotion perspective and with an ethic of caring.

The program will assist students to develop sensitivity to people's experiences with health and healing. Students will learn to work as partners with clients and with other health care providers. Through their understanding of and participation in the changing health care system, graduates will be active participants in creating health for all.

Students complete seven (7) academic semesters and two (2) consolidated nursing practice experiences over four years to graduate with a Bachelor of Science in Nursing (BSN) degree. Graduates will be eligible to apply to write national examinations to obtain registration to practice as registered nurses in British Columbia.

The curriculum of the Bachelor of Science in Nursing program is based on the concepts of caring and health promotion and has been developed in consultation with nursing practitioners, theorists, professional associations, and various government ministries. The program includes non-nursing courses that complement nursing theory and practice. The curriculum considers the changing health care needs of our society. Caring is understood as the attitude and activity of nursing and is considered in every nursing course.

A health promotion perspective has been used to organize the curriculum. This shift in focus from illness to health represents a deliberative move away from a medical model to an understanding of nurses' work as focusing on people and their experiences with health and healing. Inherent in this orientation is the use of teaching methodologies that encourage the development of critical thinking and the discovery of personal meaning and personal power.

There is an emphasis on practice experiences as the foundation of nursing and the recognition that nurses' work requires thoughtful, reflective action as defined by the concept of praxis. To assist in actualizing the concept of praxis, nursing practice experiences have been integrated throughout the program of studies. The concept of praxis is used to guide students to

critically reflect on their practice and on their application of nursing knowledge and clinical judgment within the practice setting.

Students who enrol in the program have access to an online student manual that provides information regarding program guidelines. Students are responsible for familiarizing themselves with University policies and Bachelor of Science in Nursing guidelines. The faculty are continually reviewing the program guidelines in order to offer the best program possible. Guidelines are updated on an annual basis. Therefore, the most current version of any guideline is the one that will apply to all students in that calendar year.

Nursing Practice Experiences

Nursing practice experiences are essential in the nursing program. Students will be directly involved with clients in their homes and in institutional and community settings in each semester. These experiences may involve evenings and weekends. Practice experiences occur throughout the Lower Mainland. Students are responsible for their own transportation and other expenses incurred as part of these experiences.

Some agencies may require students to take an Oath of Confidentiality, have an additional criminal record search, have required immunizations, or have a successful interview with their personnel prior to their agreement to accept the student. Failure to have documentation acceptable to the agency at the time of placement may result in denial of the experience, which in turn may prevent completion of the program of studies.

CAREER OPPORTUNITIES

Graduates of the program will be prepared to function as team members in non-specialized/specialized acute care, intermediate and/or long term care hospitals, clinics, home care agencies, and community health agencies.

PROGRAM ADMISSION REQUIREMENTS

Important Notice for Applicants

Students are encouraged to complete the non-nursing courses prior to admission or during the semester in which they are scheduled. The workload of the program makes it difficult to take these courses at any other time.

Please be advised that applications to this program will only be accepted from Canadian citizens and permanent residents / landed immigrants of Canada.

Year One Admission:

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- English 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum of C+; or ENGL 1100 level (or equivalent) with a minimum grade of C+
- Biology 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+
- Chemistry 11 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+
- Pre-calculus 11 or Foundations of Math 11 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+

Once students have received a conditional offer of admission and before final admission to the BSN program is granted, students must submit the following:

- Standard First Aid and Canadian CPR Level C courses that are current at the time of entering the program. CPR certification must be current throughout the program and may be required annually by some practice agencies. (All costs and associated updates are the responsibility of the student)
- An acceptable criminal record review issued by the BC Ministry of Public Safety and Solicitor General, completed within six months of enrolling in the program. The College of Registered Nurses of British Columbia requires a criminal record search prior to registration as a nurse and a criminal record search may also be a pre-practice requirement of some of the clinical agencies used during the program. (All costs related to having this search done are the responsibility of the student).
- Applicants who have lived outside of Canada as an adult are required to secure a Criminal Record Search with the Vulnerable Sector from their country of origin. Please contact the Office of Admissions for further direction on obtaining your criminal record check.
- An interview and/or letters of reference may be required
- Any other specified conditions of admission prior to the date specified in the offer of admission letter

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crnbc.ca.

SELECTION OF QUALIFIED APPLICANTS

Only students who meet all of the program's admission requirements as outlined above will be considered for admission. Meeting the criteria does not guarantee admission into the program. Admission to the program will be made through an established process that includes the selection of sixteen (16) high school applicants and sixteen (16) post-secondary applicants.

High School Category

Applicants in the high school category will be selected using the highest cumulative percentages from the English, mathematics, chemistry and biology courses required for admission. One program seat will be reserved for a self-identified Aboriginal student with the highest cumulative percentage. Students currently attending high school will be offered conditional acceptance based on interim grades. Final grades must be equal to or greater than interim grades or acceptance may be withdrawn.

Post-secondary Category

Students who have a minimum of 24 eligible undergraduate post-secondary credits with a minimum GPA of 2.33 qualify under this category. Sixteen (16) students with the highest CGPA from a recognized post-secondary institution will be selected.

APPLICATION GUIDELINES

Applications will be accepted for Fall semester from November 1 to March 31 and for Spring from March 1 to July 31. Applications may be submitted online at www.kpu.ca/apply.

All documents in support of an application for admission must be submitted by March 31st for Fall (September) semester, and by July 31st for Spring semester. Applications for which documentation is not received by these deadlines will be considered abandoned.

For more information about the admission process, visit www.kpu.ca/admission.

For further details regarding the selection process, please contact the Office of Admissions (604.599.2000).

To accept and secure a seat in the program, applicants must pay a non-refundable program acceptance deposit.

CONTINUANCE REQUIREMENTS

Students in the program must maintain a cumulative GPA of 2.33 with no grade lower than C in all required courses, including electives.

PROGRAM REQUIREMENTS

Please note that the Faculty of Health is currently reconfiguring the Bachelor of Science in Nursing (BSN) program to include a Health Foundation (HF) year. In future, students who apply for the BSN program will complete the HF year.

Students are required to complete 141 credits of course requirements.

In accordance with the *Indicators of Nursing Education Standards* established by College of Registered Nurses of British Columbia (CRNBC), the maximum allowable time students enrolled in KPU's Bachelor of Science in Nursing program have to complete all program requirements for graduation is seven years.

Note: Students re-admitted to the program after an absence are not guaranteed equivalency of previous course-work. Course substitution will be considered only on a case-by-case basis.

Year 1

SEMESTER 1: PERSONAL MEANING OF HEALTH

All of:

BIOL 1160	Anatomy and Physiology I	4 credits
ENGL 1100	Introduction to University Writing (or any first year University transferable English course)	3 credits
NRSNG 1122	Professional Growth 1: Introduction to the Profession of Nursing	3 credits
NRSNG 1131	Self and Others 1: Self-Awareness and Interpersonal Communications	3 credits
NRSNG 1142	Nursing Practice 1	5 credits

SEMESTER 2: CHRONIC HEALTH CHALLENGES

All of:

BIOL 1260	Anatomy and Physiology II	4 credits
ENGL 1202	Reading and Writing about Selected Topics: An Introduction to Literature (or any first year university transfer English course)	3 credits
NRSG 1211	Health: Societal Perspectives, Health and Healing	3 credits
NRSG 1243	Nursing Practice 2	11 credits

Year 2

SEMESTER 3: EPISODIC HEALTH CHALLENGES

All of:

NRSG 2112	Nursing Applications 1: Complex Episodic Health Challenges	2 credits
NRSG 2142	Nursing Practice 3	12 credits
NRSG 2160	Health Science 3: Pathophysiology 1	2 credits
Elective		3 credits

SEMESTER 4: COMPLEX EPISODIC HEALTH CHALLENGES

All of:

NRSG 2212	Nursing Applications 2: Complex Episodic Health Challenges	2 credits
NRSG 2220	Professional Growth 2: The Nursing Profession	2 credits
NRSG 2242	Nursing Practice 4	12 credits
NRSG 2260	Health Science 4: Pathophysiology 2	2 credits

Year 3

SEMESTER 5: PREVENTION

All of:

NRSG 3130	Self and Others 2: Advanced Interpersonal Communications & Reflection on Practice	3 credits
NRSG 3142	Nursing Practice 5: Mental Health	4 credits
NRSG 3143	Nursing Practice 5: Child and Family Health	4 credits
NRSG 3161	Health Sciences 5: Health Challenges for Children and Mental Health Issues Across the Lifespan	3 credits
PHIL 3010	Health Care Ethics	3 credits

SEMESTER 6: HEALTH PROMOTION AND COMMUNITY EMPOWERMENT

All of:

NRSG 3212	Health 2: Health Promotion and Community Empowerment	3 credits
NRSG 3213	Public Health & Maternity Nursing Theory	3 credits
NRSG 3242	Nursing Practice 6: Public Health	2 credits
NRSG 3243	Nursing Practice 6: Maternal Child	3 credits
NRSG 3244	Nursing Practice 6: Community Development	6 credits

Consolidated Nursing Practice Experiences (CPE) 1 occurs in the academic semester following Semester 6.

NRSG 3350	Consolidated Nursing Practice 1	4.5 credits
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Year 4

SEMESTER 7: SOCIETAL HEALTH

All of:

NRSG 4112	Health 4: Influencing Change	3 credits
NRSG 4121	Professional Growth 3: Inquiry and Research Methods	3 credits
NRSG 4122	Professional Growth 4: Qualitative & Quantitative Analysis	3 credits
NRSG 4142	Nursing Practice 7: Change	6 credits
Elective		3 credits

SEMESTER 8: TRANSITIONS

All of:

NRSG 4242	Consolidated Nursing Practice 2	8.5 credits
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CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science in Nursing (BSN)**.

Nursing: Bachelor of Science in Nursing Post-Baccalaureate

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2012
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Online
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Intended for students who already have a baccalaureate degree (four-year, undergraduate), this program allows students to transition to the field of Nursing.

Students who are beginning their degree should consider the Bachelor of Science in Nursing Undergraduate.

Registered Nurses planning to complete their degree should consider the Bachelor of Science in Nursing Degree Completion.

The program is recognized by the College of Registered Nurses of British Columbia (CRNBC) .

The purpose of the program is to educate nurses to practice with a variety of clients in various settings guided by a health promotion perspective and a capacity for effective relational engagement.

Through relational engagement, the program will assist students to develop sensitivity to people's experiences with health and healing. Students will learn to work as partners with clients and with other health care providers. Students learn to be independent, accountable, reflective, self-directed, self-motivated and life-long learners with questioning minds and familiarity with inquiry approaches to learning. They make decisions for nursing practice based on multiple ways of knowing such as critical thinking, intuition, research and evaluation. Students learn to create and influence the future of nursing practice at political, social and professional levels by responding to and anticipating changing needs of society.

Students complete seven (7) academic semesters to graduate with a Bachelor of Science in Nursing (BSN) degree. Graduates will be eligible to apply to write national examinations to obtain registration to practice as registered nurses in British Columbia.

The curriculum of the Bachelor of Science in Nursing Post Baccalaureate degree program is based on the concepts of health promotion, relational engagement, praxis, critical inquiry and professional role. Two concepts - health promotion and relational engagement are considered over-riding concepts since they represent the essence of nursing. The other three concepts are considered core concepts since they are essential elements of nursing practice. In the curriculum, the five concepts are used in course titles as organizing threads and are also threaded

through each course in the program. As well as reflecting the nature of nursing, these concepts relate to the process of nursing education. For example, client-centeredness and a focus on strengths, relational engagement, critical inquiry, praxis and professionalism are essential elements in learning to become a nurse, thus are key features of the learning environment.

Delivery Methods

Program courses are offered in a hybrid or blended course format through residencies at KPU, practice within health care agencies and communities, combined with distributed or online learning formats, taking advantage of the well-developed higher order thinking skills of a baccalaureate graduate. Hybrid courses are those in which a significant portion of the learning activities have been moved online, and time traditionally spent in the classroom is reduced but not eliminated. The goal of hybrid courses is to join the best features of face-to-face teaching with the best features of online learning to promote active, independent learning, and reduce place-bound learning. Using computer-based technologies (including personal computers, ePortfolios, iPads and apps), instructors use the hybrid model to redesign some lecture or laboratory content into new online learning activities, such as case studies, tutorials, self-testing exercises, simulations, and online group collaborations.

Nursing Practice Experiences

Nursing practice experiences are essential in the nursing program. Students will be directly involved with clients in their homes and in institutional and community settings in each semester. Professional and faculty mentorship is implemented to provide orientation, social support, and networking partnerships with clinicians and researchers. Practice experiences occur in diverse geographical areas, and may be organized in students' own communities as appropriate and available. Students are responsible for their own transportation and other expenses incurred as part of these experiences.

Some agencies may require students to take an Oath of Confidentiality, have a criminal record search, have required immunizations, or have a successful interview with their personnel prior to their agreement to accept the student. Failure to have documentation acceptable to the agency at the time of placement may result in denial of the experience, which in turn may prevent completion of the program of studies.

CAREER OPPORTUNITIES

Graduates of the program are prepared to work as professional nurses in direct care provider, educator, clinician, manager, and/or entrepreneur roles. Graduates will also be prepared for entry to graduate studies in nursing and other disciplines.

PROGRAM ADMISSION REQUIREMENTS

Please be advised that applications to this program will only be accepted from Canadian citizens and permanent residents / landed immigrants of Canada.

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Successful completion of a baccalaureate degree within six (6) years of the date of entrance into the program, including sixty (60) university transfer credits (30 credits of which must be at the third and fourth year level).

Note: KPU Bachelor of Psychiatric Nursing graduates are considered for advanced placement into semester three (3) of the program pending seat availability.

- Equivalency of first year anatomy and physiology courses (BIOL 1160 and BIOL 1260) *
- Three (3) credits in Humanities, Social Sciences or Arts *
- Six (6) credits of English (including equivalency of ENGL 1100) *

* **Note:** These requirements may be part of the 60 university credits

Once students have received a conditional offer of admission and before final admission to the program is granted, students must submit the following:

- CPR level C certificate (Note: CPR certification must remain current throughout the program and may be required annually by some practice agencies)
- Current standard first aid certificate
- Criminal record check through the Ministry of Public Safety and Solicitor General's Criminal Records Review Program

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crNBC.ca.

PROGRAM REQUIREMENTS

The program consists of 93 credits all at the upper (third- and fourth-year) level.

In accordance with the *Indicators of Nursing Education Standards* established by College of Registered Nurses of British Columbia (CRNBC), the maximum allowable time students enrolled in KPU's Bachelor of Science in Nursing program have to complete all program requirements for graduation is seven years.

Note: NRSG courses number 5000 or higher are assessed Tuition Category 2.a.4 tuition and fees for domestic students.

Semester One

Theoretical Focus: Individual Health and Health Promotion

Practice Focus: Nurses' Roles & Responsibilities in Medical and Surgical Nursing

All of:

NRSG 5100	Program Orientation: Introduction to Nursing	2 credits
NRSG 5110	Practice and Praxis 1: Episodic Health Challenges	4 credits
NRSG 5120	Relational Engagement 1	2 credits
NRSG 5130	Health Promotion 1: Episodic Health Challenges	4 credits
NRSG 5131	Health Promotion 2: Pharmacology 1	1 credit
NRSG 5140	Critical Inquiry 1: Quantitative Research	1.5 credits

NRS 5141 Critical Inquiry 2: Qualitative Research 1.5 credits

Semester Two

Theoretical Focus: Individual Health and Chronic Health Challenges

Practice Focus: Nurses' Roles & Responsibilities in Mental Health and Geriatric Nursing

All of:

GNQU 1301	Fundamentals of Mental Health Nursing	3 credits
NRS 5210	Practice and Praxis 2: Older Adults	4 credits
NRS 5220	Relational Engagement 2	2 credits
NRS 5230	Health Promotion 4: Pharmacology 2	1 credit
NRS 5240	Critical Inquiry 3: Data Analysis	2 credits
NRS 5250	Professional Role 1	2 credits

Semester Three

Practice Focus: Nurses Roles & Responsibilities: Consolidation of practice in medical surgical and mental health nursing

Only:

NRS 5310	Practice and Praxis 3: Capstone 1	18 credits
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KPU Bachelor of Psychiatric Nursing graduates with advanced placement must also complete:

NRS 5300	Program Orientation: Access for BPN graduates	2 credits
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Semester Four

Theoretical Focus: Family Health

Practice Focus: Nurses' Roles & Responsibilities with Generative families and in Pediatric Nursing

All of:

GNQU 1309	Fundamentals of Maternal-Child Nursing	3 credits
GNQU 1321	Fundamentals of Pediatric Nursing	3 credits
NRS 5410	Practice and Praxis 4: The experience of nursing of families	5 credits
NRS 5420	Relational Engagement 3: Family Context	1 credit
NRS 5450	Professional Role 2: Teaching and Learning	1 credit

Semester Five

Theoretical Focus: Community Health and Community Capacity Building

Practice Focus: Nurses Roles & Responsibilities in Community Health and Community Capacity Building

All of:

NRS 5510	Practice and Praxis 5: Community Context	5 credits
NRS 5520	Relational Engagement 4: Community	2 credits
NRS 5530	Health Promotion 7: Community Context	2 credits
NRS 5540	Critical Inquiry 4: Nursing Theories	2 credits
NRS 5541	Critical Inquiry 5: Health Care and Bioethics	2 credits

Semester Six

Theoretical Focus: Global Health and Leadership

Practice Focus: Nurses' Roles and Responsibilities in Primary Health Care (International/Aboriginal)

All of:

NRS 5610	Practice and Praxis 6: Global Context: Capstone 2	5 credits
NRS 5620	Relational Engagement 5: Global Context	2 credits
NRS 5650	Professional Role 3: Health Care Leadership	2 credits

Semester Seven

Practice Focus: Nurses' Roles & Responsibilities in Full-time Nursing Practice

All of:

NRS 5710	Practice and Praxis 7: Practice Consolidation: Capstone 3	10 credits
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OTHER INFORMATION

Students are required to purchase an iPad and selected apps, and need access to a personal computer and reliable Internet connection.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a Bachelor of Science in Nursing (BSN).

Nursing: Degree Completion for Registered Nurses

Intakes for this program are suspended indefinitely.

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

For general information about the Bachelor of Science in Nursing (BSN), please see the main program page.

This option provides Registered Nurses with access to Semester 6 for completion of a Bachelor of Science in Nursing degree. Once admission requirements are met, Registered Nurses complete the equivalent of three semesters of full time study.

Diploma graduates from the Collaborative Nursing Program in BC may be admitted directly into Semester 6 depending on seat availability and date of diploma program completion.

An access course, NRS 3190, is available for Registered Nurses who are graduates of other nursing programs.

Prior Learning Credit may be available for Registered Nurses who have equivalent learning experiences or have completed continuing education and nursing specialty courses. The cost of Prior Learning Assessment (PLA) is the responsibility of the student.

PROGRAM ADMISSION REQUIREMENTS

Admission into Semester 6 for registered nurses is based on seat availability, meeting KPU's General University Admission Requirements, plus the following program specific requirements:

1. Completion of one of the following:
 1. the diploma program at a Collaborative Nursing Program in a BC institution or
 2. an individual assessment and the access course (NRS 3190) offered at KPU within two (2) years prior to entry.
2. Proof of practicing membership with the College of Registered Nurses of BC (CRNBC) that must remain current throughout the program.
3. Submission of an official transcript indicating completion of a diploma in nursing program.
4. Completion of ENGL 1100 and ENGL 1202 (or equivalent 6 credits of undergraduate English) and two other undergraduate elective (6 credits).

5. Completion of a Canadian CPR Level C course, which is current at the time of entering the program. This must remain current throughout the program.

6. An interview and/or letters of reference, if requested.

The KPU access course for registered nurses must be completed by all nursing program diploma graduates who are not graduates of a Collaborative Nursing Program in order to ensure that those entering Semester 6 have the knowledge and abilities equivalent to other students in the program.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

Note: This program is recognized by the College of Registered Nurses of British Columbia (CRNBC) which is the regulatory body for registered nurses in this province. In order to practice nursing upon graduation, students must meet the CRNBC English Requirements and Requisite Skills and Abilities for practicing nurses. To learn more visit www.crnbc.ca.

CONTINUANCE REQUIREMENTS

Students in the program must maintain a cumulative GPA of 2.33 with no grade lower than C in all required courses, including electives.

PROGRAM REQUIREMENTS

In accordance with the *Indicators of Nursing Education Standards* established by College of Registered Nurses of British Columbia (CRNBC), the maximum allowable time students enrolled in KPU's Degree Completion for Registered Nurses BSN program have to complete all program requirements for graduation is six years.

The program of studies for Registered Nurses includes:

Semester 6: Health Promotion and Community Empowerment

All of:

NRS 3211	Health 4: Health Promotion and Community Empowerment	3 credits
NRS 3220	Professional Growth 4: Research	3 credits
NRS 3225	Professional Growth 3: Nursing Inquiry	3 credits
NRS 3231	Self and Others 3: Reflection on Caring Practice	3 credits
NRS 3241	Nursing Practice 6	4.5 credits

Semester 7: Societal Health

All of:

NRS 4111	Health/Professional Growth: Influencing Change	3 credits
NRS 4120	Qualitative and Quantitative Analysis	3 credits
NRS 4141	Nursing Practice 7	4.5 credits

One undergraduate elective to be completed prior to entering Semester 8

Semester 8: Transitions

All of:

NRSG 4211	Health/Professional Growth: Transitions	3 credits
NRSG 4242	Consolidated Nursing Practice	8.5 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science in Nursing (BSN)**.

Psychiatric Nursing: Bachelor of Psychiatric Nursing

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	May
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The program is recognized by the College of Registered Psychiatric Nurses of British Columbia (CRPNBC).

The purpose of the program is to educate learners to be competent, creative and caring practitioners of psychiatric/mental health nursing, who apply their creativity and critical thinking skills in the roles of direct care provider, educator, clinician, researcher, manager and/or entrepreneur.

Learners have opportunities to develop sensitivity to people's experiences with health and healing. Practicing within the psychiatric nurse's professional role, learners work as partners with individuals, families, groups, communities, and with other health care providers. Through their understanding of and participation in the changing health care system, graduates will be active participants in promoting health.

Learners complete eight (8) academic semesters to graduate with a Bachelor of Psychiatric Nursing (BPN) degree. Graduates will be eligible to apply to write the national examination to obtain registration to practice as Registered Psychiatric Nurses in British Columbia. Access to degree completion by Registered Psychiatric Nurses or Stenberg College graduates is outlined separately.

The curriculum of the Bachelor of Psychiatric Nursing program is based on the concepts of caring, teaching, learning, health, growth, change, and facilitative leadership. The program includes a strong Liberal Education component with 42/125 credits of courses that complement psychiatric nursing theory and practice. The curriculum considers the changing health care needs of our society. Caring and communication are understood as the attitude and activities of psychiatric nursing and are considered in every nursing course. A few selected Psychiatric Mental Health Nursing courses and some liberal education courses may be offered on-line.

A health promotion perspective has been used to organize the curriculum. This shift in focus from illness to health represents a deliberative move away from a medical model to an understanding of nurses' work as focusing on people and their experiences with health and healing. Inherent in this orientation is the use of teaching methodologies which encourage the development of critical thinking, and the discovery of personal meaning and personal power.

There is an emphasis on practice experiences as the foundation of psychiatric nursing theory and the recognition that nurses' work requires thoughtful, reflective action as defined by the concept of praxis. To assist in actualizing the concept of praxis, nursing practice experiences have been integrated throughout the program of studies. The concept of praxis is used to guide learners to critically reflect on their practice and on their application of psychiatric nursing knowledge and clinical judgment within the practice setting.

Learners who enroll in the program will receive a learner resource manual that provides information regarding program policies. Learners are responsible for familiarizing themselves with University policies and Bachelor of Psychiatric Nursing program policies.

Nursing Practice Experiences

Psychiatric/mental health nursing practice experiences are essential in the BPN program. Learners will be directly involved with clients in their homes and in institutional and community settings in each semester. These experiences may involve days, evenings, nights and weekends. Practice experiences occur throughout the Lower Mainland, and learners may choose to have placements locally, nationally and internationally. Learners are responsible for their own transportation and other expenses incurred as part of these experiences.

Some agencies may require learners to take an Oath of Confidentiality, have an additional criminal record search, or have a successful interview with their personnel prior to their agreement to accept the learner. Failure to have documentation acceptable to the agency at the time of placement may result in denial of the experience, which in turn may prevent completion of the program of studies.

Degree Completion Options

The Degree Completion option for Registered Psychiatric Nurses provides registered psychiatric nurses with access to Semester 5 for completion of a Bachelor of Psychiatric Nursing degree. Once admission requirements are met, registered psychiatric nurses complete the equivalent of four semesters of full-time study. See degree completion for Registered Psychiatric Nurses for more information.

The Degree Completion option for Stenberg College Graduates provides un-registered graduates of the Stenberg College Registered Diploma Psychiatric Nurses (RDPN) program with access to Semester 5 for completion of a Bachelor of Psychiatric Nursing degree. Once admission requirements are met, students complete the equivalent of four semesters of full-time study. See degree completion for Stenberg graduates for more information.

CAREER OPPORTUNITIES

Graduates of the program will be prepared to function as team members and leaders of mental health settings including forensic psychiatry, addiction facilities, acute care, intermediate and/or long term care hospitals, clinics, home care services, and various community healthcare centers.

PROGRAM ADMISSION REQUIREMENTS

IMPORTANT NOTICE FOR APPLICANTS

Learners are encouraged to complete the non-nursing courses prior to admission or during the semester in which they are

scheduled. The workload of the program makes it difficult to take these courses at any other time.

Year One Admission:

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- English 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+; or ENGL 1100 level (or equivalent) with a minimum grade of C+
- Biology 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+
- Chemistry 11 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+
- Pre-calculus 11 or Foundations of Math 11 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of C+

ADDITIONAL REQUIREMENTS

Once students have received a conditional offer of admission and before final admission to the BPN program is granted, students must submit the following:

- Criminal record check through the Ministry of Public Safety and Solicitor General's Criminal Records Review Program
- Current standard first aid certificate
- CPR level C certificate
- Any other specified conditions of admission prior to the date specified in the offer of admission letter

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

SELECTION OF QUALIFIED APPLICANTS

Only students who meet all of the program's admission requirements as outlined above will be considered for admission. Meeting the criteria does not guarantee admission into the program. Admission to the program will be made through an established process that includes the selection of twenty (20) high school applicants and twenty (20) post-secondary applicants.

High School Applicants

High school applicants will be selected using the highest cumulative percentages from the English, mathematics, chemistry and biology courses required for admission. High school students will be offered conditional acceptance based on interim grades. Final grades must be equal to or greater than interim grades or acceptance may be withdrawn.

Post-secondary Applicants

Students who have a minimum of 24 eligible undergraduate post-secondary credits with a minimum GPA of 2.33 qualify under this category. Twenty (20) students with the highest CGPA from a recognized post-secondary institution will be selected.

APPLICATION GUIDELINES

All documents in support of an application for admission must be submitted by November 30th for Summer (May) applicants. Applications for which documentation is not received by these deadlines will be considered abandoned.

For more information about the admission process, visit www.kpu.ca/admission.

CONTINUANCE REQUIREMENTS

Learners in the program must maintain a cumulative GPA of 2.33 with no grade lower than C in all required courses, including electives.

PROGRAM REQUIREMENTS

Students admitted to Year One are required to complete a minimum of 125 credits of course requirements.

Semester 1: Individuals and Their Health

Learners will explore the personal meaning of health, complete health assessments, and counsel individuals on health maintenance. They will examine select theoretical and conceptual frameworks addressing caring, mental health, and the role of the RPN in working with individuals. Health will be understood as a resource for living affected by social determinants. In contrast to emphasizing diagnoses and deficiencies, the learner will emphasize the therapeutic use of self and self-awareness in working with a client to improve their health by focusing on their potentials.

All of:

PSYN 1100	Individuals and Their Health	5 credits
BIOL 1160	Anatomy and Physiology I	4 credits
ENGL 1100	Introduction to University Writing	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits

Semester 2: Families and Their Health

Learners explore the concepts of family and family health using a broad definition of family, individuals within these units, and various family theories. These are studied in relation to the developmental conflicts associated with stages of growth, development, and losses within families. Challenges such as growth and development of families and of relationships of strangers to families will be explored. The effect of health challenges on the family and the individual within it will also be studied.

All of:

PSYN 1200	Families and Their Health : Psychiatric / Mental Health Nursing	5 credits
ANTH 1100	Social & Cultural Anthropology	3 credits
BIOL 1260	Anatomy and Physiology II	4 credits
ENGL 1204	Reading and Writing about Genre: An Introduction to Literature	3 credits

Semester 3: Groups and Their Health

Learners will examine the stages of groups. Roles, relationships, challenges, and interventions for groups will be explored applying various theories. Students will apply select theories of group dynamics in co-leading small heterogeneous and homogeneous groups composed of persons experiencing mental health challenges. They will experience the role of the RPN in

working through stages such as forming, norming, storming, and performing.

All of:

PSYN 2101	Groups and Their Health: Psychiatric/Mental Health Nursing	9 credits
PSYN 2120	Pharmacology and Other Therapeutics: Psychiatric/Mental Health Nursing	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

One of:

FINA 1170	Introduction to Film Photography	3 credits
FINA 2270	Digital Photography	3 credits

One of:

ANTH 2142	First Nations Cultures of Canada	3 credits
CRIM 2330	Psychological Explanations of Criminal Behaviour	3 credits

Semester 4: Acute Care

Learners will study and practice within the many forms of acute care to work with clients to maintain, restore, or improve the health of people in communities.

All of:

PSYN 2201	Psychiatric/Mental Health Nursing: Acute Care as Community	8 credits
ANTH 2163	Culture, Health and Well-Being	3 credits
WOMN 2200	Footsteps of the Crone: Creative Teaching & Learning	3 credits

Semester 5: Community Health

In the fifth semester, learners will study and practice within the many forms of community and will apply community development models to work with communities to maintain, restore, or improve the health of people in communities. They will have practice in a variety of communities, including eldercare homes, retirement villages, community psychiatric and forensic units and prisons.

All of:

PSYN 3100	Community Health: Psychiatric Mental Health Nursing	7 credits
PSYC 3920	Aging	3 credits
WOMN 3100	Conceptual Traps & Health Care	3 credits
PSYN 3120	Psychiatric/Mental Health Nursing: Health Care Economics, Leadership and Management	3 credits

Semester 6: Environment, Global Problems and Health

Learners will apply nursing theory in identifying health challenges related to sources of environmental pollution. They will conduct assessments and epidemiological analysis of relationships among environment and health. Learners will engage in policy analysis and short- and long-term planning with families, groups, and communities. Health-related agencies will be the settings for clinical practice.

All of:

PSYN 3200	Global Problems and Health	7 credits
PSYN 3220	Issues in Mental Health Nursing	2 credits
PSYN 3230	Psychiatric/Mental Health: Nursing Research	3 credits
PSYN 3240	Qualitative and Quantitative Analysis	3 credits

Semester 7: Capstone Consolidation

Learners will practice in a variety of settings to integrate learning from previous nursing and non-nursing courses. They will work in small teams in the community providing psychotherapeutic care to individuals, families, and groups. Learners establish working contracts with their clients and provide therapeutic care in their nurse-client partnership. This will include advanced skills in interventions related to counselling, psychotherapy, or case management.

All of:

PSYN 4100	Capstone Course: Psychiatric / Mental Health Nursing	7 credits
PHIL 3010	Health Care Ethics	3 credits
SOCI 3345	Social Policy in Context	3 credits

Semester 8: Preceptorship

Learners participate in a preceptorship of their choice, based on availability of preferred placements. They will increase knowledge and skills to develop independence and confidence as a practitioner in the field of psychiatric/mental health nursing.

Required:

PSYN 4200	Psychiatric/Mental Health Nursing: Preceptorship	10 credits
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Additional Requirements

In addition to the requirements stated above, students must complete two additional undergraduate electives (3 credits each).

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Psychiatric Nursing (BPN)**.

Psychiatric Nursing: Degree Completion for Registered Psychiatric Nurses

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2011
Start Date(s)	May
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

For general information about the Bachelor of Psychiatric Nursing (BPN), please see the main program page. Graduates of the Stenberg Registered Diploma Psychiatric Nurses (RDPN) program, please see the Stenberg degree completion page.

The Degree Completion for Registered Psychiatric Nurses option provides Registered Psychiatric Nurses with access to Semester 5 for completion of a Bachelor of Psychiatric Nursing Degree. Once admission requirements are met, Registered Psychiatric Nurses complete the equivalent of four semesters of full time study.

Prior Learning Assessment may be available for Registered Psychiatric Nurses who have experiences equivalent to course outcomes, or have completed continuing education in various liberal education courses relevant to their nursing practice. The cost of Prior Learning Assessment (PLA) is the responsibility of the student.

CAREER OPPORTUNITIES

Graduates of the program will be prepared to function as team members and leaders of mental health settings including forensic psychiatry, addiction facilities, acute care, intermediate and/or long term care hospitals, clinics, home care services, and various community healthcare centers.

PROGRAM ADMISSION REQUIREMENTS

Admission into Semester 5 for Registered Psychiatric Nurses is based on seat availability, meeting KPU's General university admission requirements, plus the following program specific requirements:

- Completion of English 12 with a minimum grade of B (or equivalent) and one post-secondary-level English course (3 credits)
- Successful completion of CAHS 3500
- Proof of practicing membership in the CRPNBC (which must remain current throughout the program).
- Submission of an official transcript indicating completion of a diploma in Psychiatric nursing program.

- Completion of a HCP-CPR level C course, which is current at the time of entering the program. (This must remain current throughout the program.)
- An interview and/or letter of reference, if requested.

Note: Immunization records are not required until placement in a clinical or practice course, and prior to registration. This will be enforced by the appropriate department prior to the time of registration.

CONTINUANCE REQUIREMENTS

Learners in the program must maintain a cumulative GPA of 2.33 with no grade lower than C in all required courses, including electives.

PROGRAM REQUIREMENTS

Degree completion for Registered Psychiatric Nurses requires the completion of the General Requirements plus the requirements of Semesters 5 through 8.

The maximum allowable time students enrolled in KPU's Degree Completion for Registered Psychiatric Nurses program have to complete all program requirements for graduation is 10 years

General Requirements

These requirements must be completed prior to graduation, but may be before, during, or after semesters 5 through 8.

All of:

CAHS 3500	Nursing Concepts and Theories	4.5 credits
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And:

Either:

ENGL 1100	Introduction to University Writing	3 credits
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ENGL 1204	Reading and Writing about Genre: An Introduction to Literature	3 credits
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Or:

Equivalent 6 credits of undergraduate English	6 credits
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And:

Two undergraduate electives (courses numbered 1100 or higher)	6 credits
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Semester 5: Community Health

In the fifth semester, learners will study and practice within the many forms of community and will apply community development models to work with communities to maintain, restore, or improve the health of people in communities. They will have practice in a variety of communities, including eldercare homes, retirement villages, community psychiatric and forensic units and prisons.

All of:

PSYN 3100	Community Health: Psychiatric Mental Health Nursing	7 credits
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PSYC 3920	Aging	3 credits
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WOMN 3100	Conceptual Traps & Health Care	3 credits
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PSYN 3120	Psychiatric/Mental Health Nursing: Health Care Economics, Leadership and Management	3 credits
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Semester 6: Environment, Global Problems and Health

Learners will apply nursing theory in identifying health challenges related to sources of environmental pollution. They will conduct assessments and epidemiological analysis of relationships among environment and health. Learners will engage in policy analysis and short- and long-term planning with families, groups, and communities. Health-related agencies will be the settings for clinical practice.

All of:

PSYN 3200	Global Problems and Health	7 credits
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PSYN 3220	Issues in Mental Health Nursing	2 credits
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PSYN 3230	Psychiatric/Mental Health: Nursing Research	3 credits
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PSYN 3240	Qualitative and Quantitative Analysis	3 credits
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Semester 7: Capstone Consolidation

Learners will practice in a variety of settings to integrate learning from previous nursing and non-nursing courses. They will work in small teams in the community providing psychotherapeutic care to individuals, families, and groups. Learners establish working contracts with their clients and provide therapeutic care in their nurse-client partnership. This will include advanced skills in interventions related to counselling, psychotherapy, or case management.

All of:

PSYN 4100	Capstone Course: Psychiatric / Mental Health Nursing	7 credits
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PHIL 3010	Health Care Ethics	3 credits
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SOCI 3345	Social Policy in Context	3 credits
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Semester 8: Preceptorship

Learners participate in a preceptorship of their choice, based on availability of preferred placements. They will increase knowledge and skills to develop independence and confidence as a practitioner in the field of psychiatric/mental health nursing.

Required:

PSYN 4200	Psychiatric/Mental Health Nursing: Preceptorship	10 credits
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CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Psychiatric Nursing (BPN)**.

Psychiatric Nursing: Degree Completion for Stenberg College Graduates

Faculty of Health	kpu.ca/health
Implementation Date	01-Sep-2014
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

For general information about the Bachelor of Psychiatric Nursing (BPN), please see the main program page. For degree completion for Registered Psychiatric Nurses, please see RPN degree completion.

The Degree completion, Psychiatric Nursing provides Stenberg College diploma graduates an opportunity for advanced entry into the Bachelor of Psychiatric Nursing (BPN) degree completion program at year 3 to provide Stenberg graduates an opportunity to obtain a Bachelor's degree in psychiatric nursing.

This is a four semester, 48.5 credit program. Students will enter pending seat availability. The program requires the successful completion of the Stenberg Registered Diploma Psychiatric Nurses (RDPN) program.

CAREER OPPORTUNITIES

Graduates of the program will be prepared to function as team members and leaders of mental health settings including forensic psychiatry, addiction facilities, acute care, intermediate and/or long term care hospitals, clinics, home care services, and various community healthcare centers.

PROGRAM ADMISSION REQUIREMENTS

Admission into Semester 5 for Registered Psychiatric Nurses is based on seat availability, meeting KPU's General university admission requirements, plus the following program specific requirements:

- Successful completion of the Stenberg Registered Diploma Psychiatric Nurses (RDPN) program completed within the past 6 years with graduation in January 2014 or later.
- Completion of English 12 with a minimum grade of B (or equivalent), or ENGL 1100 level (or equivalent) with a grade of C+ or equivalent
- Standard First Aid and CPR Level C courses which are current at the time of entering the program. CPR certification must be current throughout the Program

- Immunizations consistent with the requirements of practice agencies
- An acceptable Criminal Record Search through the Ministry of Public Safety and Solicitor General's Criminal Records Review Program within 6 months prior to the start of the program.

CONTINUANCE REQUIREMENTS

Learners in the program must maintain a cumulative GPA of 2.33 with no grade lower than C in all required courses, including electives.

PROGRAM REQUIREMENTS

Stenberg College graduates must receive appropriate block transfer for 76 credits plus complete the following requirements for a minimum of 125 credits to graduate.

The maximum allowable time students enrolled in KPU's Degree Completion for Registered Psychiatric Nurses program have to complete all program requirements for graduation is 10 years

Semester 5

All of:

CAHS 3500	Nursing Concepts and Theories	4.5 credits
ENGL 1100	Introduction to University Writing	3 credits
FINA 1170	Introduction to Film Photography	3 credits

Semester 6

All of:

ENGL 1204	Reading and Writing about Genre: An Introduction to Literature	3 credits
PSYN 3120	Psychiatric/Mental Health Nursing: Health Care Economics, Leadership and Management	3 credits
WOMN 3100	Conceptual Traps & Health Care	3 credits
Elective		3 credits

Semester 7

All of:

PSYN 3200	Global Problems and Health	7 credits
PSYN 3230	Psychiatric/Mental Health: Nursing Research	3 credits
PSYN 3240	Qualitative and Quantitative Analysis	3 credits

Elective 3 credits

Semester 8

All of:

CRIM 2330 Psychological Explanations of Criminal Behaviour 3 credits

PSYN 4100 Capstone Course: Psychiatric / Mental Health Nursing 7 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Psychiatric Nursing (BPN)**.

Faculty of Science & Horticulture

Welcome to the Faculty of Science & Horticulture.

DEAN:

Elizabeth Worobec, PhD

Email: elizabeth.worobec@kpu.ca

IN THIS SECTION:

You will find details of the Science & Horticulture programs:

- About the Faculty of Science & Horticulture
- Associate of Science Degree Framework
- Biology: Bachelor of Science Major
- Biology: Associate of Science Degree
- Brewing and Brewery Operations: Diploma
- Chemistry: Associate of Science Degree
- Engineering, Eight Month: Certificate
- Engineering: Certificate
- Environmental Protection Technology: Diploma
- Geography: Associate of Science
- Health Science: Bachelor of Science Major
- Horticulture Technology: Diploma
- Horticulture Technology: Citations
- Mathematics, Applications of: Bachelor of Science Honours, Major, and Minor
- Mathematics: Bachelor of Arts Minor
- Mathematics: Associate of Science Degree
- Physics for Modern Technology: Bachelor of Science Major
- Physics for Modern Technology Foundation Year
- Physics: Associate of Science
- Plant Health: Bachelor of Horticulture Science Major
- Science, General: Associate of Science Degree
- Science: Diploma
- Science & Math Information
- Sustainable Agriculture: Bachelor of Applied Science
- Urban Ecosystems: Bachelor of Horticulture Science Major

Apprenticeship Training

In addition, KPU offers in-school apprentice technical training in various skilled trades such as Landscape, Production, and Arboriculture; details are available in the Apprenticeship Program section.

Associate of Science Degree Framework

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate of Science degree consists of two years of university course work where students are able to complete their lower division program requirements for a Bachelor of Science degree if they course plan effectively. Holders of an Associate Degree receive full transfer credit of all courses counting towards that degree, even if the receiving institution may not have an articulation in place with any specific course counted by the sending institution towards an Associate Degree. While universities traditionally allow transfer based on GPA cutoffs, some receiving institutions grant a GPA advantage to Associate of Science holders.

The general requirements for the Associate of Science are specified by provincial legislation. To qualify for an Associate of Science, students must complete 60 credits at the first and second year level (typically 20 courses, 3 credits per course). A minimum overall GPA of 2.0 is required, with a minimum passing grade (D or better) in each course counting towards the Associate of Science.

KPU currently offers several pathways for an Associate of Science Degree:

1. Associate of Science in Biology
2. Associate of Science in Chemistry
3. Associate of Science in General Sciences*
4. Associate of Science in Geography
5. Associate of Science in Mathematics
6. Associate of Science in Physics

* **Note:** there are three articulated pathways under the heading of General Science:

1. For students wishing a program change to third year of KPU's BBA in Entrepreneurial Leadership
2. For science students wishing to complete a degree in Environmental Science at Royal Roads University. This provides direct entry to third year of their Environmental Science and Environmental Management Degrees.
3. For science students transferring to the Bachelor of Science in Environmental Science at UNBC.

Transfer to a Science Degree

Students planning to complete a Bachelor of Science should verify the transfer status at each university when organizing their course profile to ensure they meet the entrance requirements as well as be aware of the specific program requirements. Research has demonstrated that students transferring with an Associate Degree perform better at the receiving institution than students transferring at an earlier completion level, and are at least at par with those students who were solely resident at that degree granting receiving institution.

General information on the requirements for the Associate of Science degree, and how universities receive them, can be found on the **BCCAT** site at www.bctransferguide.ca/associate

Specific information on course requirements for a Bachelor of Science Degree, and the majors and minors available, should be verified in the Calendars for:

- **UBC** at www.science.ubc.ca
- **SFU** at www.sfu.ca/science
- **UVic** at web.uvic.ca/sciweb
- **UNBC** at www.unbc.ca/calendar/undergraduate/degrees/
- **Royal Roads University** at www.royalroads.ca

A list of required KPU courses specific to each of UBC, SFU, UVic and UNBC can be found on KPU's Science website at kpu.ca/science/associate. As science and mathematics requirements vary from one university to another, for a major in biology, chemistry, geography, mathematics, physics, or psychology, this website offers course requirements per university.

Additional information can be referenced at KPU's Educational Advising website (kpu.ca/advising) or by speaking to an Educational Advisor at KPU or at the university where you intend to complete your degree.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Students are required to complete 60 credits at the 1st and 2nd year level. A minimum overall GPA of 2.0 is required, with a minimum passing grade (D or better) in each course counting towards the Associate of Science.

Specific Requirements:

1. English Requirements:

- ENGL 1100 and
- One additional first year ENGL course

2. Math Requirements*:

- Six credits of university level mathematics, which shall include three credits in Calculus.

3. First Year Science Requirements:

- Any six science courses from among the following (at least one must be a lab science course, which excludes CPSC courses):
 - BIOL 1110, 1210
 - CHEM 1105#, 1110, 1210
 - CPSC 1100, 1103, 1204

- GEOG 1110, 1120
- MATH 1112#, 1115 (if not already counted)
- PHYS 1100#, 1101, 1102, 1120, or 1220

4. Second Year Science Requirements

- Any six science courses taken in a minimum of two different subject areas from among the following:
 - BIOL 2320, 2321, 2322, 2330, 2421
 - CHEM 2311 or 3310, 2315, 2320, 2410, 2420
 - CPSC 2405
 - GEOG 2310, 2320, 2330, 2390, 2395
 - MATH 2232, 2315, 2321, 2331, 2335, 3322, 3421
 - PHYS 2101, 2201, 2330, 2420, 2421, 2424

5. Additional Course Requirements

- Any two courses in Arts#, not counting English, plus
- Any other two university transferable courses

Notes:

* Most Science degrees require both Calculus I and Calculus II. Institutions have the discretion to set higher standards, including not recognizing MATH 1112.

Institutions have the discretion to not recognize CHEM 1105, MATH 1112 or PHYS 1100.

Any Arts subject area not noted in the science categories above, and includes all geography courses not specified in the science categories above, i.e. GEOG 1160, 2110, 2120, 2140, 2185, and 2190.

Students lacking the appropriate prerequisites will likely require more than two years to complete the Associate of Science. Since the Associate of Science represents completion of one half of a Bachelor of Science, as long as the right courses are taken at KPU, students should ideally be able to complete their Bachelor of Science in a further two years at the receiving University.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science** degree in their chosen subject area.

Biology: Bachelor of Science Major

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2013
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Biology is a branch of science which is fundamental to human existence. It is the study of life at various levels ranging from atoms and molecules, to cells, organisms, ecosystems and ultimately, the biosphere. The core theme linking all fields of biological study is evolution; a theme which is also reflected in our primal quest to discover where we came from and to understand our place in the world.

To study biology is to embark upon a lifelong process of learning about the diversity of living organisms and how they interact with each other, their environment, and with humans. All life forms are inextricably connected to each other and no other field of science has greater relevance or impact upon our lives and how we relate to our environment. This has come about from an understanding of organisms and biological processes which have led to advancements in fields as diverse as health and medicine, psychology, agricultural food production, forensics, genetic engineering and biotechnology and sustainable natural resource management.

The B.Sc. Major in Biology is a foundational degree program strongly grounded in scientific methodology and practical skills. The structure and breadth of courses offered is designed to equip graduates with a high level of competency in the knowledge, skills and experience necessary for competitive entry into the workforce in a wide range of fields. Graduates will also be well prepared for entry into a professional school or graduate studies program.

Central to this program is the provision of a lab intensive experience where students learn first-hand, the appropriate use of equipment and techniques to investigate living organisms and how they function. Upper level courses build upon the core knowledge and skills developed in 1st and 2nd Year, allowing the exploration of more advanced biological concepts and practical techniques. This culminates in a community focused research or directed studies project which requires students to apply the knowledge and skills they have learned.

Please note that the first and second year courses required in the program are normally available on both Richmond and Surrey campuses.

STUDENT PROFILE

This degree program will appeal to individuals with a passionate interest in living organisms and how they function. Whether entering from high school, other post-secondary institutions or returning from the workforce to study, this program will appeal to anyone who shares a concern for the future of humanity and the welfare of our planet and who is seeking a career that can make a difference.

Students who are successful in this program are likely to be self-motivated, have a strong work ethic and have well developed oral and written communication skills.

CAREER OPPORTUNITIES

Students graduating from this program will be well equipped for employment in government agencies as well as the private sector and may include career opportunities at entry level in the following fields:

- Agriculture
- Animal Science (Dairy/farming industry)
- Biotechnology
- Botany
- Environmental Consultant
- Fisheries Biologist
- Food Science and Technology
- Forensics
- Informatics
- Lab Assistant or Technician in a medical or scientific laboratory
- Marine Biology
- Microbiology
- Molecular Biology
- Natural Resource Conservation and Management
- Naturalist - Park Rangers
- Pharmaceutical sales
- Science Advisor - Government Policy
- Teaching at elementary or secondary level (Requires teacher certification)
- Toxicology - Medical or Environmental
- Zoo and Aquaria - Animal Care

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Minimum grade of 'B' in English 12 (or equivalent)
- Minimum grade of 'C+' in Chemistry 12 (or equivalent)
- Minimum grade of 'C+' in Pre-Calculus 12 (or equivalent)
- A passing grade in Physics 12 or PHYS 1100 (or equivalents)

Biology 11 and 12 are strongly recommended, but not required.

PROGRAM REQUIREMENTS

Please note, only Year 1 and Year 2 courses will be offered in the 2014-15 Academic Year.

General Requirements

All students must complete the following general requirements for a Bachelor of Science:

- A minimum of 120 credits and a minimum of 40 courses (at least 3 credits each) at the post-secondary level (numbered 1100 or higher).
- At least 45 of the credits (15 courses) must be at the 3000- or 4000-level; at least 9 of these credits must be at the 4000-level.
- A minimum of 18 credits of breadth electives (see Electives) including:
 - at least one 3000- or 4000-level course; and
 - at least 12 credits from fields or courses not regarded as science; and
 - a maximum of 6 credits may come from fields of science not already included in the Biology Major requirements.
- Completion of 6 credits of 4000-level Research or 6 credits of 4000-level Directed Studies in Year 4.
- A minimum of a passing grade (D or better) in all courses counting towards the BSc, with a cumulative GPA of 2.0.

To meet residency requirements, at least 50% of all courses for the BSc, and at least 66% of upper level courses for the BSc, must be completed at KPU.

Biology Major

The following outlines the specific course requirements for the Biology Major. The semester indicates the term in which students should plan to take their courses.

The Biology Major requires the completion of a minimum of 138 credits.

YEAR 1

Fall Semester

All of:

BIOL 1110	Introductory Biology I	4 credits
CHEM 1110	The Structure of Matter	4 credits
ENGL 1100	Introduction to University Writing	3 credits
MATH 1130*	Calculus for Life Sciences I	3 credits
PHYS 1101	Physics for Life Sciences I	4 credits

Spring Semester

All of:

BIOL 1210	Introductory Biology II	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
MATH 1230	Calculus for Life Sciences II	3 credits
PHYS 1102	Physics for Life Sciences II	4 credits
English Elective	(any ENGL course numbered 1101 or higher)	3 credits

* MATH 1120 may be used as a substitute for MATH 1130

YEAR 2

Fall Semester

All of:

BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
CHEM 2320	Organic Chemistry I	4 credits
MATH 2335	Statistics for Life Sciences	3 credits
Elective	(see Electives below)	3 credits

Spring Semester

All of:

BIOL 2320	Genetics	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2420	Organic Chemistry II	4 credits
Elective	(see Electives below)	3 credits
Elective	(see Electives below)	3 credits

YEAR 3

Fall Semester

All of:

BIOL 3110	Animal Behaviour (under development)	4 credits
BIOL 3165	Conservation Biology (under development)	3 credits
BIOL 3180	Research Methodology (under development)	3 credits
BIOL 3321	Advanced Cell and Molecular Biology (under development)	4 credits
Elective	(see Electives below)	3 credits

Spring Semester

All of:

BIOL 3215	Zoology (under development)	4 credits
BIOL 3225	Botany (under development)	4 credits
BIOL 3320	Molecular Genetics (under development)	4 credits
Biology Elective	(any BIOL course numbered 1100 or higher)	3 or more credits
Elective	(see Electives below)	3 credits

YEAR 4

Fall Semester

All of:

BIOL 4140	Animal Physiology (under development)	4 credits
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BIOL 4150	Evolutionary Biology (under development)	3 credits
Elective	(see Electives below)	3 credits
Elective	(see Electives below)	3 credits

And one of:

BIOL 4190	Directed Studies I (under development)	3 credits
BIOL 4199	Research Project I (under development)	3 credits

Spring Semester

All of:

BIOL 4235	Marine Biology (under development)	3 credits
BIOL 4245	Developmental Biology (under development)	4 credits
Elective	(see Electives below)	3 credits
Elective	(see Electives below)	3 credits

And one of:

BIOL 4290	Directed Studies II (under development)	3 credits
BIOL 4299	Research Project II (under development)	3 credits

Electives

Students are required to complete 11 elective courses (33 or more credits) through their program including:

- At least one ENGL course numbered 1101 or higher; and
- At least one BIOL course numbered 1100 or higher; and
- At least one breadth course (see below) numbered 3000 or higher.

Courses with considerable content overlap may only be counted once towards degree completion. These include:

- BIOL 1112 or BIOL 1210
- ENVI 1106 or CHEM 1110
- ENVI 1206 or CHEM 1154 or CHEM 1210
- CHEM 2311 or CHEM 3310
- MATH 1120 or MATH 1130 or MATH 1140
- MATH 1220 or MATH 1230
- MATH 2335 or MATH 2341
- PHYS 1101 or PHYS 1120
- PHYS 1102 or PHYS 1220

BREADTH ELECTIVES

At least 12 credits must come from fields or courses not regarded as science courses. EDUC 4100 may be used as a breadth requirement.

Up to 6 credits of breadth may come from fields of science not prescribed in the specific requirements for the BSc Major in Biology. These may include:

- ASTR 1100
- ASTR 1105
- ASTR 3110
- ASTR 3111
- ENVI 3112
- ENVI 2405

RECOMMENDED SCIENCE ELECTIVES

The following electives are recommended for students completing the Biology Major program.

- BIOL 2330
- CHEM 2315
- CHEM 3310
- CPSC 1100
- ENVI 2305
- PHYS 3202

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Science, Major in Biology**.

Biology: Associate of Science Degree

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Biology.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

First Year Science Requirements

All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

And two more first year science courses from the following:

CHEM 1105*	Introductory Chemistry	4 credits
PHYS 1100*	Introductory Physics	4 credits

Either of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

Either of:

PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220#	Physics for Physical and Applied Sciences II	4 credits

Notes:

* Students intending to transfer to a BSc should confirm transferability.

UBC allows GEOG 1110, 1120, or GEOL 1210 as a substitute for PHYS 1220.

Second Year Science Requirements

Four second year BIOL courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits

And both of:

CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Biology**.

Brewing and Brewery Operations: Diploma

Faculty of Science and Horticulture	kpu.ca/science
Brewing and Brewery Operations	kpu.ca/brew
Implementation Date	01-Sep-2014
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Diploma in Brewing and Brewery Operations program is unique to British Columbia. In the two-year program, students will study the science, production and business of brewing in a state-of-the-art brew laboratory to be built on the Langley campus. The curriculum, developed in consultation with the BC Craft Brewers Guild and local brew masters, involves learning brew science theory with hands-on experience in the brew laboratory and at local breweries. The full-time two year diploma program will include a summer work placement.

STUDENT PROFILE

Students who have a passion for the brewing industry are encouraged to apply. Individuals interested in gaining an understanding of the business side of brewing, including sales, marketing, packaging and human resources will also succeed in this program.

CAREER OPPORTUNITIES

Graduates will find employment as brewmasters and assistant brewmasters, licensee and agency sales and operations, brewery operations, marketing and public relations, brew pub operations and retail sales. Employment opportunities also exist with the larger national and international breweries. The Brewing and Brewery Operations Program will train graduates to work in both the craft brewery/brewpub establishments as well as larger establishments.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a minimum grade of C+ (or equivalent)
- Chemistry 12 with a minimum grade of C+ (or equivalent)
- Pre-calculus 11 or Foundations of Mathematics 11 with a minimum grade of C+(or equivalent)

- Portfolio Review
- Students are required to be a minimum of 19 years of age by the first day of classes.

Portfolio Review

Applicants will be provided portfolio requirements and instructions for submission upon receipt of an application.

For detailed information about the portfolio requirements, visit the department's website at kpu.ca/brewing-and-brewery-operations-program-faq.

Selection of qualified applicants for admission will be made by an Admissions Selection Committee composed of faculty, staff, and external members. When the number of qualified applicants exceeds the number of available spaces, selection will be based on a combination of the highest cumulative admission percentages or cumulative GPA's based on the admission requirements stated above AND the portfolio.

PROGRAM REQUIREMENTS

Students must complete a minimum of 65 credits that include:

Note: HOPS courses are assessed Tuition Category 2.a.5 tuition and fees for domestic students.

Year 1

TERM 1 (FALL)

All of:

HOPS 1100	Introduction to Brewing	3 credits
HOPS 1105	Brewing 1	3 credits
HOPS 1110	Sensory Evaluation and Ingredients	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
CBSY 1105	Introductory Computer Applications	3 credits

TERM 2 (SPRING)

All of:

HOPS 1205	Brewing 2	3 credits
HOPS 1211	Brewing Microbiology	4 credits
HOPS 1212	Brewing Chemistry	4 credits
HOPS 1213	Brewing Equipment and Technology	3 credits
HOPS 1214	Introduction to Finishing and Packaging	3 credits

TERM 3 (SUMMER)

All of:

HOPS 2300	Brewing Work Experience	2 credits
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Year 2

TERM 4 (FALL)

All of:

HOPS 2301	Brewing Work Experience Dissemination	1 credit
HOPS 2305	Brewing 3	3 credits
HOPS 2310	Product Evaluation and Judging	3 credits
HOPS 2314	Advanced Finishing and Packaging	3 credits
HOPS 2315	Calculations and Recipe Formulation	3 credits
PHIL 3033	Business Ethics	3 credits

TERM 5 (SPRING)

All of:

HOPS 2405	Brewing 4	6 credits
HOPS 2420	Product Sales and Promotions	3 credits
HOPS 2421	Brewery Management and Supervisory Skills	3 credits
HOPS 2422	The Brewing Industry	3 credits

OTHER INFORMATION

Students must be 19 years of age by the first day of classes. CSA-approved footwear is required, along with course-specific safety gear.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Brewing and Brewery Operations**.

Chemistry: Associate of Science Degree

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Chemistry.

STUDENT PROFILE

This program will appeal to students who are interested in either working in laboratories after graduation, or furthering their education by completing a Bachelor of Science degree.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, students must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

First Year Science Requirements

Both of:

CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

And three more first year science courses from the following:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1105*	Introductory Chemistry	4 credits
CPSC 1100	Introduction to Computer Literacy	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits
CPSC 1204	Introduction to Computer Programming II	3 credits
GEOG 1110	Atmospheric Science	3 credits
GEOG 1120	Earth Science	3 credits
MATH 1112*	Pre-Calculus Algebra	3 credits
MATH 1115	Statistics I	3 credits
PHYS 1100*	Introductory Physics	4 credits
PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits

Notes:

* Students intending to transfer to a BSc should confirm transferability.

Second Year Science Requirements

All of:

CHEM 2315	Analytical Chemistry	4 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits

And two more second year science courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2410	Physical-Inorganic Chemistry	5 credits
CPSC 2405	Introduction to Discrete Mathematics I	3 credits
GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits
GEOG 2330	Introduction to Hydrology	3 credits
GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 2395	Cartographic Techniques	3 credits
MATH 2232	Linear Algebra	3 credits
MATH 2315	Probability and Statistics	3 credits

MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2331	Introduction to Analysis	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits
PHYS 2101	Experimental Physics I	2.5 credits
PHYS 2201	Experimental Physics II	2.5 credits
PHYS 2330	Intermediate Mechanics	3 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits
PHYS 2421	Laboratory in Electric Circuits	2 credits
PHYS 2424	Relativity and Quanta	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Chemistry**.

Engineering, Eight Month: Certificate

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2014
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Richmond Surrey
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Eight Month Certificate in Engineering program is a two-semester pre-engineering program designed for well-prepared students to meet transfer requirements to an Engineering degree program.

KPU's first year program is based on UBC's. With one second-semester course substitution students can also complete UVic's first year program. Most, but not all, of KPU's courses transfer to SFU's Engineering Science program. Please contact SFU for details. Students who wish to transfer to UNBC/UBC's joint Environmental Engineering program can meet most first year plus one second year requirement with one or two course substitutions. Students must still apply formally for admission to the destination university as transfer from KPU is not automatic. They must then compete with all other second year students for seats in the Engineering program of their choice.

Transfer to an Engineering Degree

1. Further information about English and elective courses that qualify, or about threshold requirements for admission to an engineering program at the various universities, are available through Educational Advising offices on all campuses.
2. Students intending to transfer to engineering at a university other than UBC or UVic should ensure that course selections conform to requirements at that university.
3. For specific course transfer information, go to the **BCCAT** website at www.bccat.bc.ca Some of our courses do not show direct transfer, but are accepted in lieu of the specified university courses.
4. For more information about the Engineering profession and about transfer between the Universities and Colleges, visit the Association of Professional Engineers and Geoscientists' web site www.apeg.bc.ca/students.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum of C+
- Principles of Physics 12 (or equivalent) with a minimum grade of C; or undergraduate equivalent with a minimum grade of C
- Chemistry 12 (or equivalent) with a minimum grade of C+; or undergraduate equivalent with a minimum grade of C
- Principles of Mathematics 12 or Pre-calculus 12 (or equivalent) with a minimum grade of B; or undergraduate equivalent with a minimum grade of B.

Proof of grades must be submitted in accordance with the following deadlines:

- Applicants currently in high school must submit interim grades no later than March 31st with proof of final grades required as soon as they become available (no later than August 15th).
- For all other applicants, proof of having met the program's admission requirements must be provided by March 31st.

Students that do not meet the admission requirements stated above may want to consider the general Engineering Certificate program.

Selection of Qualified Applicants

Only applicants who meet all of the program's admission requirements as outlined above will be considered for admission. Meeting the criteria does not guarantee admission into the program. Admission to the program will be made through an established process that selects the top 40 applicants

PROGRAM REQUIREMENTS

Students accepted into the Eight Month program must maintain good academic standing to be eligible for block registration into the Spring semester courses. Unsatisfactory completion of pre-requisite courses required for the Spring term – CPSC 1103, MATH 1120, PHYS 1120 – will result in automatic re-classification into the General engineering certificate program. Students admitted to the Eight Month program but unable to complete all the required courses within the eight-month timeframe will be automatically re-classified into the General engineering certificate program.

All of these courses transfer individually with credit for the equivalent course at the destination universities, with two exceptions for UBC: A student must complete both of KPU's APSC 1151 and APSC 1299 to receive credit in lieu of UBC's APSC 150; and must complete both KPU's PHYS 1120 and PHYS 1220 to receive credit in lieu of UBC's PHYS 153.

All of the following:

Semester 1 - Fall

APSC 1124	Introduction to Engineering	1 credits
APSC 1151	Introduction to Engineering Graphics	3 credits
CHEM 1154	Chemistry for Engineering	4 credits
CPSC 1103	Introduction to Computer Programming I	3 credits
ENGL 1100	Introduction to University Writing (or another 1100 level ENGL course)	3 credits
MATH 1120	Differential Calculus	3 credits

PHYS 1120 Physics for Physical and Applied Sciences I 4 credits

Semester 2 - Spring

APSC 1299 Introduction to Microcontrollers 3 credits

MATH 1152 Matrix Algebra for Engineers 3 credits

MATH 1220 Integral Calculus 3 credits

PHYS 1170 Mechanics I 3 credits

PHYS 1220 Physics for Physical and Applied Sciences II 4 credits

One Complementary Studies elective (see below). 3 credits

Complementary Studies Electives

Most social science and humanities courses will meet the requirements of this 3-credit elective for UBC; UVic and SFU have somewhat restrictive lists of suitable courses. This includes the disciplines of Anthropology, Human Geography, History, Humanities, Philosophy, Political Science, Psychology and Sociology. The elective course must deal with some of the central issues, methodologies and thought processes of the discipline, and must not be mathematics or science based. Basic language courses (particularly mother tongue), physical geography and geology, statistics, computer science or studio/performance courses in the fine arts or music are not normally judged as satisfying the complementary elective requirement.

A second English course at the 1100 level would also meet the complementary elective requirement. In fact, for students who have not completed a minimum of five years of study in an English school in Canada or the equivalent in another country where English is the principal language, 6 credits (2 courses) of English 1100 level courses at KPU that transfer to UBC would satisfy both the complementary elective requirement and the English language requirement for admission to UBC. To confirm the transferability of the complementary elective requirement (or the language requirement), it is always advisable to contact the university in question.

Students planning to transfer to UVic should take CMNS 1110 as their complementary studies elective.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Engineering**.

Engineering: Certificate

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Certificate program in Engineering is a one year pre-engineering program designed to prepare students for admission to the engineering programs at UBC and SFU. KPU offers the full first year of the Engineering core program for students wishing to transfer to UBC or UVic in the following areas of engineering:

- Chemical and Biological Engineering (UBC)
- Civil Engineering (UBC)
- Computer Engineering (UBC, UVic)
- Computer Science (UVic)
- Electrical Engineering (UBC, UVic)
- Engineering Physics (UBC)
- Geological Engineering (UBC)
- Integrated Engineering (UBC)
- Mechanical Engineering (UBC, UVic)
- Materials Engineering (UBC)
- Mining Engineering (UBC)
- Software Engineering (UVic)

KPU's first year program is based on UBC's. With one second-semester course substitution students can also complete UVic's first year program. Most, but not all, of KPU's courses transfer to SFU's Engineering Science program. Please contact SFU for details. Students who wish to transfer to UNBC/UBC's joint Environmental Engineering program can meet most first year plus one second year requirement with one or two course substitutions. Students must still apply formally for admission to the destination university as transfer from KPU is not automatic. They must then compete with all other second year students for seats in the Engineering program of their choice.

Transfer to an Engineering Degree

1. Further information about English and elective courses that qualify, or about threshold requirements for admission to an engineering program at the various universities, are available through Educational Advising offices on all campuses.
2. Students intending to transfer to engineering at a university other than UBC or UVic should ensure that course selections conform to requirements at that university.
3. For specific course transfer information, go to the **BCCAT** website at www.bccat.bc.ca Some of our courses do not

show direct transfer, but are accepted in lieu of the specified university courses.

4. For more information about the Engineering profession and about transfer between the Universities and Colleges, visit the Association of Professional Engineers and Geoscientists' web site www.apeg.bc.ca/students.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Students wishing to complete the program in eight months, should refer to the Eight Month Engineering Certificate program.

Note: Students with a C or C+ in Principles of Mathematics 12 or Pre-calculus 12 may be eligible to write the Mathematics Placement Test to determine suitability for first year calculus (MATH 1120).

PROGRAM REQUIREMENTS

Many of the courses are offered in both fall and spring semesters.

All of these courses transfer individually with credit for the equivalent course at the destination universities, with two exceptions for UBC: A student must complete both of KPU's APSC 1151 and APSC 1299 to receive credit in lieu of UBC's APSC 150; and must complete both KPU's PHYS 1120 and PHYS 1220 to receive credit in lieu of UBC's PHYS 153.

All of the following:

Semester 1 - Fall

APSC 1124	Introduction to Engineering	1 credits
APSC 1151	Introduction to Engineering Graphics	3 credits
CHEM 1154	Chemistry for Engineering	4 credits
CPSC 1103	Introduction to Computer Programming I	3 credits
ENGL 1100	Introduction to University Writing (or another 1100 level ENGL course)	3 credits
MATH 1120	Differential Calculus	3 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

Semester 2 - Spring

APSC 1299	Introduction to Microcontrollers	3 credits
MATH 1152	Matrix Algebra for Engineers	3 credits
MATH 1220	Integral Calculus	3 credits
PHYS 1170	Mechanics I	3 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits

One Complementary Studies elective (see below).

Note: MATH 1220, PHYS 1220 and APSC 1151 are normally also offered on an accelerated basis in May/June.

KPU also offers a number of second-year mathematics and science courses that transfer individually, as well as a wide range of suitable electives to round out a two-year part-time schedule.

Complementary Studies Electives

Most social science and humanities courses will meet the requirements of this 3-credit elective for UBC; UVic and SFU have somewhat restrictive lists of suitable courses. This includes the disciplines of Anthropology, Human Geography, History, Humanities, Philosophy, Political Science, Psychology and Sociology. The elective course must deal with some of the central issues, methodologies and thought processes of the discipline, and must not be mathematics or science based. Basic language courses (particularly mother tongue), physical geography and geology, statistics, computer science or studio/performance courses in the fine arts or music are not normally judged as satisfying the complementary elective requirement.

A second English course at the 1100 level would also meet the complementary elective requirement. In fact, for students who have not completed a minimum of five years of study in an English school in Canada or the equivalent in another country where English is the principal language, 6 credits (2 courses) of English 1100 level courses at KPU that transfer to UBC would satisfy both the complementary elective requirement and the English language requirement for admission to UBC. To confirm the transferability of the complementary elective requirement (or the language requirement), it is always advisable to contact the university in question.

Students planning to transfer to UVic should take CMNS 1110 as their complementary studies elective.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Engineering**.

Environmental Protection: Diploma of Technology

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley
Format	Full-time Part-time Co-op
How to Apply	www.kpu.ca/admission

DESCRIPTION

Environmental protection technologists provide an invaluable service to society by helping protect and sustain the long-term health of our ecosystems.

Environmental consultants, industry and government seek out graduates from our Environmental Protection Technology program. They do this because our graduates have developed the skills needed to offer professional advice on a wide range of subjects, including: environmental impact assessment; hazardous and non-hazardous waste management; waste reduction and reuse strategies; air, soil and water pollution prevention and monitoring; compliance auditing; and contaminated site investigation and remediation. This skill set is based on an integrated, hands-on training program that gives graduates a good working knowledge of physical and life sciences, including general biology, ecology, toxicology, chemistry, physics and statistics. Specific topics covered by the program include:

- Air, water and soil field sampling
- Solid, liquid and air treatment methods
- Waste minimization
- Hazardous goods and waste handling methods
- WHMIS implementation and compliance evaluation
- Emergency planning and spill response methods
- Recycling and waste minimization program design
- Environmental issues analysis
- Environmental law and ethics
- Written and oral presentation skills
- Computer software competency

Although graduates typically work within a team of professionals, they must also be able to work independently and take initiative as required; the program helps promote these attributes. Successful completion of the two-year program prepares graduates for employment at the technology level within industry or government often with excellent potential for upward mobility as job experience grows.

Students may complete the program over the course of three years. This is recommended for students who intend to work part-

time while enrolled in the program or for those who prefer a lighter academic load. Please contact the Program Chair for details.

For more information about this program, please visit the department web page at kpu.ca/environment.

Transfer to Degree Program

Graduates are able to enter, either directly or at a later stage in their career, into upper levels of the following programs:

- Bachelor of Science in Environmental Science at Royal Roads University,
- Bachelor of Science at UNBC,
- Bachelor of General Studies at Thompson Rivers University-Open Learning, and
- Bachelor of Technology at BCIT (environmental engineering and environmental health).

After completing a short bridging program graduates may also enter directly into the third year of the Bachelor of Business Administration in either Entrepreneurial Leadership or Human Resource Management at KPU.

Co-operative Education

This program operates with two four-month Co-op work terms. KPU has been successful in arranging unique and challenging placements with government agencies such as Environment Canada and the BC Ministry of the Environment, with environmental consultants, and with other industries. Most importantly, these Co-op placements facilitate entry into successful careers by the Environmental Protection Technology graduates.

STUDENT PROFILE

Environmental Protection Technology students vary in age and background. Some students come to us directly from high school, while others may be in their forties, looking for a change of career. There is usually a balance of genders, and about a third of our students come with some previous post-secondary credits. Typically our students seek a practical education that leads to varied careers that include opportunities for outdoor field work – and all are keen to make a contribution towards protecting our environment.

CAREER OPPORTUNITIES

An advisory committee works closely with the program to maintain and update the curriculum and ensure that graduates are well prepared for the job market. This committee consists of potential employers from the public and private sectors, as well as several graduates of the program who are well established in the field.

Graduates are employed with environmental consulting firms; federal, provincial or municipal departments; as environmental staff in large industries; or are self-employed.

Program graduates have experienced a high rate of employment in the environmental field. The Co-operative Education component of the program has proved to be extremely valuable, with several of the graduates obtaining positions with their Co-op employers. Examples of the type of work performed by Co-op students and graduates include: air, water, and soil sampling; waste-water systems investigations; contaminated sites assessments; contingency planning and spills response; waste permitting and compliance investigations; laboratory analysis; habitat evaluation; environmental auditing; environmental

policy and legislation; recycling, composting and solid waste management; and public education.

Graduates are able to continue their education towards a Bachelor's Degree in Management or Environmental Science, and complete both the environmental diploma and a baccalaureate degree in a total of four to five years.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- C+ or better in English 12 (or equivalent)
- C or better in Principles of Mathematics 11 or Pre-calculus 11 or Applications of Mathematics 12 or Foundations of Mathematics 12
- C or better in Principles of Physics 11 or Applications of Physics 11
- C+ or better in Chemistry 11

Students lacking any of these requisites must obtain their equivalent before being admitted to the program.

All applicants must attend an information session (normally November and February) or, if from outside the Vancouver and Fraser Valley area, must complete a telephone interview.

PROGRAM REQUIREMENTS

The two-year program, which contains two four-month work terms, consists of the following sequence:

Year One

All of:

Fall

BIOL 1110	Introductory Biology I	4 credits
CBSY 1105	Introductory Computer Applications	3 credits
CMNS 1140	Introduction to Professional Communication	3 credits
COOP 1101	Job Search Techniques	1 credits
ENVI 1106	Environmental Chemistry I	4 credits
ENVI 1121	Environmental Issues	3 credits
MATH 1117*	Environmental Mathematics	3 credits

Spring

BIOL 1210	Introductory Biology II	4 credits
ENVI 1206	Environmental Chemistry II	4 credits
ENVI 1216	Introduction to Earth Sciences	4 credits
ENVI 1226	Health & Safety	3 credits
ENVI 2315	Water and Soil Sampling	4 credits

Summer

COOP 1150	Work Semester 1	9 credits
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Year Two

All of:

Fall

BIOL 2322	Ecology	4 credits
ENVI 2305	Environmental Toxicology	3 credits
ENVI 2310	Solid Waste Management	3 credits
ENVI 2901	Environmental Research Seminar	1 credits
MATH 1115	Statistics I	3 credits
PHYS 1400	Energy, Environment, Physics	3 credits

Spring

COOP 2150	Work Semester II	9 credits
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Summer

ENVI 2405	Environmental Legislation	3 credits
ENVI 2410	Water Resources Protection	3 credits
ENVI 2415	Air Quality Monitoring	4 credits
ENVI 2420	Contaminated Site Management	4 credits
ENVI 2902	Environmental Research Project	2 credits
PHYS 1401	Environmental Physics Lab	1 credit

Notes:

* Students who have already completed Principles of Math 12 or Pre-calculus 12 (or equivalent) with C+ or better do not need to take MATH 1117. However, students still need a minimum of 60 semester credit hours in order to graduate with the diploma.

† ENVI 2900 is a 12-month course

While successful completion of the two Co-op work terms is regarded as a requirement to graduate, it is sometimes possible to graduate without one or both Co-op components. This would be warranted by exceptional circumstances, and requires the documented recommendation of the Program Chair in consultation with the Co-op office. In every case, COOP 1101 is a required course for the Environmental Protection Technology diploma.

OTHER INFORMATION

Accreditation

The Environmental Protection Technology (EPT) program has been granted *National Accreditation* by the **Canadian Council of Technicians and Technologists** (CCTT) www.cctt.ca. *National Accreditation* provides students, employers and contractors assurance that the EPT program contains high educational quality, and by measuring its curriculum against *Canadian Technology Standards* established by the industry that graduates have the employability skills competencies required.

National Accreditation also provides access to membership with CCTT's provincial affiliate, the **Association of Applied Science Technologists and Technicians of British Columbia** (ASTTBC) www.asttbc.org, which, aside from many other benefits, qualifies one to seek professional certification as an *Applied Science Technologist* (AScT). This certification, while classified in different ways in other provinces, is transferable

for work or moves across Canada and internationally in countries where partnerships with CCTT or ASTTBC have been established. This is a particularly important factor as many international contracts may demand that workers possess a national certification for quality control and assurance purposes.

While not a certifying body, membership in the **Environmental Careers Organization** (ECO) www.eco.ca is also available, providing added benefits and services to the environmental graduate.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma of Technology in Environmental Protection, Co-operative Education Option**.

Upon successful completion of this program without co-operative education, students are eligible to receive a **Diploma of Technology in Environmental Protection**.

Geography: Associate of Science

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Geography.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

First Year Science Requirements

All of:

CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
GEOG 1110	Atmospheric Science	3 credits
GEOG 1120	Earth Science	3 credits

And two more first year science courses from the following:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1105*	Introductory Chemistry	4 credits
CPSC 1100	Introduction to Computer Literacy	3 credits

CPSC 1103	Introduction to Computer Programming I	3 credits	GEOG 2400	Introduction to GIS	3 credits
CPSC 1204	Introduction to Computer Programming II	3 credits	MATH 2232	Linear Algebra	3 credits
MATH 1112*	Pre-Calculus Algebra	3 credits	MATH 2315	Probability and Statistics	3 credits
MATH 1115	Statistics I	3 credits	MATH 2321	Multivariate Calculus (Calculus III)	3 credits
PHYS 1100*	Introductory Physics	4 credits	MATH 2331	Introduction to Analysis	3 credits
PHYS 1101	Physics for Life Sciences I	4 credits	MATH 2335	Statistics for Life Sciences	3 credits
PHYS 1102	Physics for Life Sciences II	4 credits	MATH 3322	Vector Calculus (Calculus IV)	3 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits	MATH 3421	Ordinary Differential Equations	3 credits
PHYS 1170	Mechanics I	3 credits	PHYS 2101	Experimental Physics I	2.5 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits	PHYS 2201	Experimental Physics II	2.5 credits
			PHYS 2330	Intermediate Mechanics	3 credits
			PHYS 2420	Intermediate Electricity and Magnetism	3 credits
			PHYS 2421	Laboratory in Electric Circuits	2 credits
			PHYS 2424	Relativity and Quanta	3 credits

Notes:

* Students intending to transfer to a BSc should confirm transferability.

Second Year Science Requirements

Both of:

GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits

And two of:

GEOG 2330	Introduction to Hydrology	3 credits
GEOG 2340	Biogeography	3 credits
GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 2400	Introduction to GIS	3 credits

And two more second year science courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 3310	Physical Chemistry	4 credits
CHEM 2410	Physical - Inorganic Chemistry	5 credits
CPSC 2405	Introduction to Discrete Mathematics I	3 credits
GEOG 2330	Introduction to Hydrology	3 credits
GEOG 2340	Biogeography	3 credits
GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 2395	Cartographic Techniques	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Geography**.

Health Science: Bachelor of Science Major

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2013
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The B.Sc. in Health Science program is designed to prepare students for public and private sector careers in health research, health practice, health product production and distribution, and health management. It also prepares students for entry into schools of health or graduate studies.

The objectives of the degree are as follows:

1. To provide students with a strong foundation in the basic sciences together with a broad knowledge of the various health professions involved in Canadian health care delivery.
2. To equip students with the skills and knowledge necessary for employment in health research, production and distribution of health products, and other health-related fields.
3. To provide students with the educational prerequisites necessary for entry into a) post graduate degrees in the sciences, and b) qualified health professional programs (e.g. medicine, physiotherapy, nuclear medicine, cardiology, pharmacy).
4. To provide students with the opportunity to integrate an understanding of complementary medicine (e.g., naturopathy, traditional Chinese medicine) with the basic sciences.

The B.Sc. in Health Science is designed around a core of required basic science and health science courses, complemented by health science and open electives that provide graduates with a solid science foundation but also with critical health research, communication, and management skills for future success.

Please note that the first and second year courses required in the program are normally available on both Richmond and Surrey campuses. However, the courses with the prefix "HSCI" will be offered on the Surrey campus only.

STUDENT PROFILE

This degree program will appeal to individuals with a strong interest in life sciences and human biology and who wish to pursue a career in the wide variety of health care fields.

Students who are successful in this program are likely to be self-motivated, have a strong work ethic and have well-developed oral and written communication skills.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- Minimum grade of 'B' in English 12 (or equivalent)
- Minimum grade of 'C+' in Chemistry 12 (or equivalent)
- Minimum grade of 'C+' in Pre-Calculus 12 (or equivalent)
- A passing grade in Physics 12 or PHYS 1100 (or equivalents)

Biology 11 and 12 are strongly recommended, but not required.

PROGRAM REQUIREMENTS

General Requirements

All students must complete the following general requirements for a Bachelor of Science:

- A minimum of 120 credits and a minimum of 40 courses (at least 3 credits each) at the post-secondary level (numbered 1100 or higher).
- At least 45 of the credits (15 courses) must be at the 3000- or 4000-level; at least 9 of these credits must be at the 4000-level.
- A minimum of 18 credits of breadth electives (see Electives) including:
 - at least one 3000- or 4000-level course; and
 - at least 12 credits from fields or courses not regarded as science; and
 - a maximum of 6 credits may come from fields of science not already included in the Biology Major requirements.
- Completion of 6 credits of 4000-level Research or 6 credits of 4000-level Directed Studies in Year 4.
- A minimum of a passing grade (D or better) in all courses counting towards the BSc, with a cumulative GPA of 2.0.

To meet residency requirements, at least 50% of all courses for the BSc, and at least 66% of upper level courses for the BSc, must be completed at KPU.

Health Science Major

The following outlines the specific course requirements for the Health Science Major.

The Health Science Major requires the completion of a minimum of 136 credits.

YEAR 1

All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
ENGL 1100	Introduction to University Writing	3 credits

HSCI 1115	Introduction to Health Science	3 credits
HSCI 1220	Health Science Writing	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits
And one of:		
MATH 1135	Problems and Concepts	3 credits
PHIL 1145	Critical Thinking	3 credits
PHIL 1155	Introduction to Scientific Reasoning	3 credits
SOCI 1125	Introduction to Society: Processes and Structures	3 credits

YEAR 2

All of:

BIOL 2321	Cell Biology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2420	Organic Chemistry II	4 credits
HSCI 2220	Medical Terminology	3 credits
PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1102	Physics for Life Sciences II	4 credits
SOCI 2280	Sociology of Health and Illness	3 credits
Elective	(see Electives)	3 credits

And one of:

ANTH 1100	Social & Cultural Anthropology	3 credits
PSYC 1100	Introduction to Psychology: Basic Processes	3 credits

YEAR 3

All of:

BIOL 2320	Genetics	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 3160	Human Anatomy and Physiology I (under development)	4 credits
BIOL 3180	Research Methodology (under development)	3 credits
BIOL 3321	Advanced Cell & Molecular Biology (under development)	4 credits
BIOL 4160	Human Anatomy and Physiology II (under development)	4 credits
MATH 2335	Statistics for Life Sciences	3 credits
PHIL 3010	Health Care Ethics	3 credits
PHYS 3202	Biophysics	3 credits

And one of:

CHEM 3320	Natural Products Chemistry (under development)	4 credits
HSCI 3205	Health Law (under development)	3 credits
HSCI 3215	Complementary Medicine (under development)	3 credits
HSCI 3225	Nutrition (under development)	3 credits

YEAR 4

All of:

BIOL 3421	Molecular Biochemistry (under development)	3 credits
BIOL 4260	Human Anatomy and Physiology III (under development)	4 credits
BIOL 4360	Human Anatomy and Physiology IV (under development)	4 credits
HSCI 4199	Senior Research Project I (under development)	4 credits
HSCI 4299	Senior Research Project II (under development)	4 credits
HSCI 4380	Critical Evaluation (under development)	3 credits
Elective	(see Electives)	3 credits

And one of:

BIOL 3330	Microbiology II (under development)	4 credits
BIOL 4420	Human Genetics (under development)	4 credits
CHEM 4320	Drug Discovery, Design and Development (under development)	4 credits
HSCI 4130	Pharmacology (under development)	3 credits
HSCI 4135	Herbal Medicines and Natural Health Products (under development)	3 credits
HSCI 4140	Gerontology (under development)	3 credits

And two of:

BIOL 4245	Developmental Biology (under development)	4 credits
BIOL 4255	Bioinformatics (under development)	3 credits
HSCI 4245	Populations and Policy (under development)	3 credits
HSCI 4250	Health Business (under development)	3 credits

Electives

Students are required to complete two elective courses (6 or more credits) through their program.

Courses with considerable content overlap may only be counted once towards degree completion. These include:

- BIOL 1112 or BIOL 1210
- ENVI 1106 or CHEM 1110
- ENVI 1206 or CHEM 1154 or CHEM 1210
- CHEM 2311 or CHEM 3310
- MATH 1120 or MATH 1130 or MATH 1140
- MATH 1220 or MATH 1230
- MATH 2335 or MATH 2341
- PHYS 1101 or PHYS 1120
- PHYS 1102 or PHYS 1220

BREADTH ELECTIVES

At least 12 credits must come from fields or courses not regarded as science courses. EDUC 4100 may be used as a breadth requirement.

Up to 6 credits of breadth may come from fields of science not prescribed in the specific requirements for that BSc Health Science. These may include:

- ASTR 1100
- ASTR 1105
- ASTR 3110
- ASTR 3111
- ENVI 3112
- ENVI 2405
- PHYS 1112

If taken above, PHIL 1145, PHIL 1155 and SOCI 1125 may be counted as a breadth elective.

CREDENTIAL AWARDED

Upon successful completion of the major program, students are eligible to receive a **Bachelor of Science, Major in Health Science**.

Horticulture Technology: Diploma

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Horticulture is the branch of agriculture that focuses on the production and care of fruit, vegetables, and ornamental plants. KPU's two year Horticulture Technology Diploma specializations focus on high value crops like greenhouse vegetables, on landscape design and maintenance, and on turf management. These three areas are among the most technology-intensive and knowledge-based areas of horticulture practice and have a great impact on the quality of life for our urban and suburban society.

The program curriculum and the success of KPU's diploma graduates have established the Horticulture Technology Diploma Specializations as a highly valued credential in the workplace. The diploma program uniquely combines theory and technique with the practice of horticulture. Students learn how to use the tools, equipment, and technologies that are an everyday part of industry. The program also provides students with a foundation in horticulture science. Students develop an understanding of the environmental requirements for optimum plant growth and the limits of technology. Best practice and sustainability are key learning outcomes.

All students must undertake a 14-week work experience, usually completed between first and second year. This provides a great opportunity for students to apply their new skills and identify where their careers lie after completing the diploma.

Specializations:

The Diploma in Horticulture requires students to choose one of three specializations:

- Landscape Horticulture Systems (formerly Landscape Design and Installation)
- Sustainable Crop Production (formerly Greenhouse and Nursery Production)
- Turf Management

LANDSCAPE HORTICULTURE SYSTEMS

This specialization delivers basic horticulture knowledge as well as practical hands-on experience. Students resolve local landscape garden problems through landscape design classes. In landscape construction they learn by building features that

become part of the campus landscape. A program strength is tree care (arboriculture) where students learn pruning, planting, and tree management problem-solving skills in our urban forests.

Graduates are working for landscape companies of all types and sizes. Many are successfully running their own landscape firms. Graduates have also established successful careers working for the parks departments in our cities.

SUSTAINABLE CROP PRODUCTION

The greenhouse and nursery sector of horticulture in BC has consistently provided rewarding employment opportunities. There is always a demand for knowledgeable and skilled individuals who enjoy working with people and plants. Job opportunities exist in BC and abroad. This diploma specialization provides students with the knowledge and skills needed to work successfully in the greenhouse production of vegetables, flower crops, and field and container production of ornamental plants. Graduates may be employed as assistant growers or growers in wholesale and retail nurseries, commercial greenhouse operations, garden centres, or as technical representatives in supply companies. Research and sales also compliment these diverse career choices.

TURF MANAGEMENT

Turf management students participate in provincial and national industry conferences, establishing networks of industry and alumni contacts that support their career development. On campus, students play a role in the management and maintenance of the turf field lab with golf greens, tees, fairways, home lawns, and park style lawn areas.

Graduates are managing golf courses in all parts of the province. Many have successful careers with municipal parks departments managing sports fields. In addition to turf management, the program includes tree care (arboriculture) and a number of turf management graduates are successful arborists.

Transfer to a Degree

KPU BACHELOR OF HORTICULTURE SCIENCE

Graduates of a diploma program can pursue KPU's Bachelor of Horticulture Science degree majors. Students have the choice of an Urban Ecosystems major or a Plant Health major. Refer to the Horticulture Science degree section of the calendar for details. Students can combine their diploma education with the enhanced horticulture science knowledge of the degree and earn two credentials. Those who wish to pursue this option should meet with the Faculty of Science and Horticulture Degree Advisor to discuss transfer to this unique School of Horticulture degree program.

KPU BACHELOR OF BUSINESS ADMINISTRATION

A successful career progression in horticulture often leads to a management role. While the diploma programs include a solid foundation in business skills, graduates are eligible to transfer into the third year of KPU's Bachelor of Business Administration (in Entrepreneurial Leadership, Human Resources Management, or Marketing Management). Some additional course work in Accounting, Computer Applications, English, Microeconomics, Statistics, and Marketing is required to complete the transfer. Students can combine diploma-level education with enhanced business skill and earn two credentials (Diploma and Degree) in a 4.5 year course of study. Students who wish to pursue this option should meet with the Faculty of Science and Horticulture Degree Advisor to discuss course substitutions that would facilitate transfer to the School of Business degree program.

STUDENT PROFILE

Students who wish to contribute to environmental and community well-being, engage in creative activities, own and operate their own business, or engage in hands-on work will enjoy horticulture.

Many students enter the horticulture diploma to upgrade their skills or facilitate a career change. Faculty and staff are supportive and sensitive to the issues faced by students who embark on a post-secondary program after a significant period away from formal education.

Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact of practicing horticulture on their health. Moderate physical fitness and a healthy back are generally required for a successful career in horticulture.

CAREER OPPORTUNITIES

Refer to the descriptions of the three specializations for information on career opportunities in the program description section above.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a grade of C+ (or equivalents) and Mathematics 11 (Applications or Principles) with a grade of C (or equivalent). Students are encouraged to make an appointment with an Academic Advisor to plan course selections accordingly.

PROGRAM REQUIREMENTS

Landscape Horticulture Systems Specialization

Students pursuing a Horticulture Technology Diploma with a Landscape Horticulture Systems specialization must complete at least 63 credits. Students should be familiar with the basic computer applications of word processing and spread sheets. If students require upgrading, they should take CBSY 1105.

YEAR 1

Fall Semester

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1124	Landscape Gardening Methods	3 credits
HORT 1155	Introduction To Plant Materials	3 credits

Spring Semester

All of:

CMNS 1140	Introduction to Professional Communication	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1217	Foundations of Plant Health	3 credits
HORT 1240	Arboriculture I	3 credits

Fall or Spring Semester

And:

HORT 1110	Introduction to Sustainable Horticulture	3 credits
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Plus one of:

HORT 1230	Sustainable Turf Management	3 credits
HORT 1261	Plant Propagation	3 credits

Summer Semester

HORT 2302	Horticulture Work Experience	1 credit
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YEAR 2

Fall Semester

All of:

BUSI 1209	Business Management in Horticulture	3 credits
HORT 2306	Work Experience Report	1 credit
HORT 2308	Landscape Pest Management	3 credits
HORT 2327	Sustainable Landscape Design I	3 credits
HORT 2355	Plant Identification 3	3 credits

Plus one of:

HORT 2334	Irrigation, Drainage and Lighting	3 credits
HORT 2473	Greenhouse Environments	3 credits

Spring Semester

All of:

BUSI 1205	Supervisory Skills	3 credits
HORT 2412	Landscape Estimating and Contract Administration	3 credits
HORT 2426	Landscape Construction	3 credits

Plus two of:

HORT 2427	Sustainable Landscape Design II	3 credits
HORT 2463	Nursery Production	3 credits

HORT 2442	Arboriculture II	3 credits
HORT 2490	Organic Greenhouse Crop Production	3 credits

Sustainable Crop Production Specialization

Students pursuing a Horticulture Technology Diploma with a Sustainable Crop Production specialization must complete at least 63 credits. Students should be familiar with the basic computer applications of word processing and spread sheets. If students require upgrading, they should take CBSY 1105.

YEAR 1

Fall Semester

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1155	Introduction To Plant Materials	3 credits
HORT 1193	Crop Production Practices	3 credits

Spring Semester

All of:

CMNS 1140	Introduction to Professional Communication	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1217	Foundations of Plant Health	3 credits
HORT 1293	Crop Production Operations	3 credits

Plus one of:

HORT 1240	Arboriculture I	3 credits
HORT 1261	Plant Propagation	3 credits

Summer Semester

And:

HORT 2302	Horticulture Work Experience	1 credit
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YEAR 2

Fall Semester

All of:

BUSI 1209	Business Management in Horticulture	3 credits
HORT 2306	Work Experience Report	1 credit
HORT 2375	Production Facilities and Equipment	3 credits
HORT 2378	Production Horticulture Pests	3 credits

HORT 2393	Crop Production Performance	3 credits
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Plus one of:

HORT 2334	Irrigation, Drainage and Lighting	3 credits
HORT 2473	Greenhouse Environments	3 credits

Spring Semester

All of:

BUSI 1205	Supervisory Skills	3 credits
HORT 2477	Production Horticulture Management	3 credits
HORT 2490	Organic Greenhouse Crop Production	3 credits
HORT 2493	Crop Production Development	3 credits

Plus one of:

HORT 2442	Arboriculture II	3 credits
HORT 2463	Nursery Production	3 credits

Turf Management Specialization

Students pursuing a Horticulture Technology Diploma with a Turf Management specialization must complete at least 63 credits. Students should be familiar with the basic computer applications of word processing and spread sheets. If students require upgrading, they should take CBSY 1105.

YEAR 1

Fall Semester

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1132	Turf Maintenance Operations	3 credits
HORT 1155	Introduction To Plant Materials	3 credits
HORT 1230	Sustainable Turf Management	3 credits

Spring Semester

All of:

CMNS 1140	Business and Technical Communication	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1217	Foundations of Plant Health	3 credits
HORT 1232	Sports Turf Management Practices	3 credits
HORT 1240	Arboriculture I	3 credits

Summer Semester

And:

HORT 2302	Horticulture Work Experience	1 credit
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YEAR 2

Fall Semester

All of:

BUSI 1209	Business Management in Horticulture	3 credits
HORT 2306	Work Experience Report	1 credit
HORT 2330	Turfgrass and Environmental Stress	3 credits
HORT 2332	Environmental Turf Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits
HORT 2334	Irrigation, Drainage and Lighting	3 credits

Spring Semester

All of:

BUSI 1205	Supervisory Skills	3 credits
HORT 2432	Grounds Machinery Maintenance	3 credits
HORT 2436	Golf Course Management	3 credits
HORT 2437	Golf Course Irrigation Systems: Design and Operations	3 credits

Plus one elective (3 credits) selected from:

ACCT 1230	Business Statistics *	3 credits
ACCT 2293	Accelerated Introductory Financial Accounting *	3 credits
CBSY 1105	Computer Business Applications *	3 credits
ECON 1150	Principles of Microeconomics *	3 credits
HORT 2426	Landscape Construction	3 credits
HORT 2442	Arboriculture II	3 credits
MRKT 1199	Introduction to Marketing *	3 credits

* Recommended for students bridging to a Bachelor of Business Administration degree program.

CREDENTIAL AWARDED

Upon successful completion of this program and the respective specialization, students are eligible to receive a **Diploma in Horticulture Technology Landscape Horticulture Systems Specialization.**

Upon successful completion of this program and the respective specialization, students are eligible to receive a **Diploma in Horticulture Technology Sustainable Crop Production Specialization.**

Upon successful completion of this program and the respective specialization, students are eligible to receive a **Diploma in Horticulture Technology Turf Management Specialization**.

Horticulture Technology: Citations

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Citation
Offered At	Langley
Format	Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

If you want to acquire specific horticulture skills and knowledge backed by a university credential, consider a citation. Equal to approximately ¼ of a diploma (five to seven courses), citations will enhance your skills and could open doors to a new career. All citation courses can be applied to at least one KPU Horticulture diploma specialization.

Enrol in a citation to:

- develop technical skills and knowledge in a specific focus
- apply technical knowledge to solve practical problems
- prepare for employment with an industry specialization

Eleven different specializations:

ARBORICULTURE

Trees are valuable to our environmental, economic, and cultural well-being. Learn how to maximize their benefits by the proper selection, establishment, and maintenance practices.

FOUNDATION IN LANDSCAPE DESIGN

Learn to combine plant selection, design theory and practice, commercial gardening methods, and construction to create and install a landscape that reflects your client's vision.

GARDEN CENTRE OPERATIONS

Develop your skills in basic horticulture and plant care. As a retail employee you will be able to answer customer questions about a broad range of plants such as "What is it?, Where to do I plant it?, How do I keep it healthy?"

HORTICULTURAL SCIENCE

Study the core disciplines of plant science, soil management, plant identification, and pest management. This citation is an excellent foundation for further study within all horticulture specialties.

INTRODUCTION TO SUSTAINABLE HORTICULTURE

Discover and apply sustainable practices to organic crop production. Study the wide range of sustainable strategies used in a variety of horticultural operations.

LANDSCAPE PLANT HEALTH

Learn how to identify and control many types of plant health problems in all landscapes and find interesting career possibilities in parks and gardens.

PRODUCTION FACILITIES

Study the principles and practices of the construction, maintenance, and use of greenhouse and nursery facilities and equipment.

PRODUCTION HORTICULTURE IN BC

This citation provides students with basic skills in crop production in a protected environment or greenhouse setting. Complementary courses will provide core knowledge in horticulture science.

PRODUCTION PLANT HEALTH

Learn how to identify and control all kinds of plant health problems. These skills can lead to a career in pest management of greenhouse and nursery pests.

RESIDENTIAL LAWN CARE

It is easy to grow a mediocre lawn and hard to have a great one. Learn the essential skills required to install and maintain great residential and commercial lawns.

TURFGRASS PEST MANAGEMENT

Learn how to identify and control various plant health problems found in turf that will open doors to pest management careers in turf-related industries.

STUDENT PROFILE

Students who wish to contribute to environmental and community well-being, engage in creative activities, own and operate their own businesses, or engage in hands-on work will enjoy horticulture.

Many students enter the horticulture citations to upgrade their skills or to investigate a career change. Faculty and staff are supportive and sensitive to the issues faced by students who might embark on a post-secondary program after a significant period away from formal education.

Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact of practicing horticulture on their health. Moderate physical fitness and a healthy back are generally required for a successful career in horticulture.

The citation is an excellent credential for those who seek some focused horticulture knowledge but who are not able to consider other program formats.

CAREER OPPORTUNITIES

Citations are valuable to supplement a student's knowledge in a particular topic. As such, a citation can help establish or advance a career in horticulture.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Arboriculture

The following courses (18 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 2308	Landscape Pest Management	3 credits
HORT 2442	Arboriculture II	3 credits

Foundation in Landscape Design

The following courses (15 credits) are required to complete the citation with this specialization:

All of:

HORT 1124	Landscape Gardening Methods	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 2327	Sustainable Landscape Design I	3 credits
HORT 2355	Plant Identification 3	3 credits
HORT 2426	Landscape Construction	3 credits

Garden Centre Operations

The following courses (16 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits

And one of:

HORT 1193	Crop Production Practices	3 credits
HORT 1293	Crop Production Operations	3 credits

And one of:

HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1261	Plant Propagation	3 credits
HORT 2355	Plant Identification 3	3 credits

Horticultural Science

The following courses (15 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits

Plus one of:

HORT 1230	Sustainable Turf Management	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 1261	Plant Propagation	3 credits

Introduction to Sustainable Horticulture

The following courses (15 credits) are required to complete the citation with this specialization:

All of:

HORT 1104	Soils and Growing Media	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 2490	Organic Greenhouse Crop Production	3 credits

Plus one of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits

Landscape Plant Health

The following courses (16 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 2308	Landscape Pest Management	3 credits

Production Facilities

The following courses (15 credits) are required to complete the citation with this specialization:

All of:

HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 2334	Irrigation, Drainage & Lighting	3 credits
HORT 2375	Production Facilities and Equipment	3 credits
HORT 2473	Greenhouse Environment and its Control	3 credits

Plus one of:

HORT 1193	Crop Production Practices	3 credits
HORT 1293	Crop Production Operations	3 credits

Production Horticulture in BC

The following courses (15 credits) are required to complete the citation with this specialization:

All of:

HORT 1104	Soils and Growing Media	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1193	Crop Production Practices	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 1293	Crop Production Operations	3 credits

Production Plant Health

The following courses (16 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credit
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 2378	Production Horticulture Pests	3 credits

Plus one of:

HORT 1193	Crop Production Practices	3 credits
HORT 1293	Crop Production Operations	3 credits

Residential Lawn Care

The following courses (16 credits) are required to complete the citation with this specialization:

All of:

HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1118	Basic Machinery Operation and Maintenance	3 credits

HORT 1132	Turf Maintenance Operations	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 1230	Sustainable Turf Management	3 credits

Turfgrass Pest Management

The following courses (16 credits) are required to complete the citation with this specialization:

All of:

HORT 1102	Botany for Horticulture	3 credit
HORT 1104	Soils and Growing Media	3 credits
HORT 1105	BC Pesticide Applicator Certification	1 credit
HORT 1217	Foundations of Plant Health	3 credits
HORT 1230	Sustainable Turf Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits

CREDENTIAL AWARDED

Upon successful completion of the Arboriculture citation program, students are eligible to receive a **Citation in Horticulture Technology, Arboriculture**.

Upon successful completion of the Foundation in Landscape Design citation program, students are eligible to receive a **Citation in Horticulture Technology, Foundation in Landscape Design**.

Upon successful completion of the Garden Centre Operations citation program, students are eligible to receive a **Citation in Horticulture Technology, Garden Centre Operations**.

Upon successful completion of the Horticultural Science citation program, students are eligible to receive a **Citation in Horticulture Technology, Horticultural Science**.

Upon successful completion of the Introduction to Sustainable Horticulture citation program, students are eligible to receive a **Citation in Horticulture Technology, Introduction to Sustainable Horticulture**.

Upon successful completion of the Landscape Plant Health citation program, students are eligible to receive a **Citation in Horticulture Technology, Landscape Plant Health**.

Upon successful completion of the Production Facilities citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Facilities**.

Upon successful completion of the Production Horticulture in BC citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Horticulture in BC**.

Upon successful completion of the Production Plant Health citation program, students are eligible to receive a **Citation in Horticulture Technology, Production Plant Health**.

Upon successful completion of the Residential Lawn Care citation program, students are eligible to receive a **Citation in Horticulture Technology, Residential Lawn Care**.

Upon successful completion of the Turfgrass Pest Management citation program, students are eligible to receive a **Citation in Horticulture Technology, Turfgrass Pest Management**.

Mathematics, Applications of: Bachelor of Science Honours, Major, and Minor

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2014
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond Surrey
Format	Option not set
How to Apply	www.kpu.ca/admission

DESCRIPTION

In the BSc in Applications of Mathematics program, traditional mathematics courses are combined with specialized courses that enable students to apply their mathematical skills in diverse fields, providing a broad range of options for careers or further education. Students can choose from among three concentrations, Biomathematics, Computational Mathematics and Mathematics Education, that are not readily available at the undergraduate level elsewhere in Canada.

Please note, courses in Years 2, 3, and 4 may not be available on the Richmond campus.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a 'B' (or equivalent)
- Chemistry 11 with a 'C+' (or equivalent)
- Physics 12 with a 'C-' (or equivalent)
- Precalculus 12 with a 'C+' (or equivalent)

Note: a pre-requisite of Chemistry 12 with a 'C+' is required for students pursuing the Biomathematics specialization.

PROGRAM REQUIREMENTS

General Requirements

All students must complete the following general requirements for a Bachelor of Science:

- A minimum of 120 credits and a minimum of 40 courses (at least 3 credits each) at the post-secondary level (numbered 1100 or higher).

- At least 45 of the credits (15 courses) must be at the 3000- or 4000-level; at least 9 of these credits must be at the 4000-level.
- A minimum of 18 credits of breadth electives (see Electives) including:
 - at least one 3000- or 4000-level course; and
 - at least 12 credits from fields or courses not regarded as science; and
 - a maximum of 6 credits may come from fields of science not already included in the Applications of Mathematics Major requirements.
- A minimum of a passing grade (D or better) in all courses counting towards the BSc, with a cumulative GPA of 2.0.

To meet residency requirements, at least 50% of all courses for the BSc, and at least 66% of upper level courses for the BSc, must be completed at KPU.

Note: The following courses with considerable content overlap may only be counted once:

- (MATH 1120 or MATH 1130 or MATH 1140),
- (MATH 1220 or MATH 1230 or MATH 1240),
- (MATH 2321 or MATH 2821),
- (MATH 2335 or MATH 2341 or BUQU 1230),
- (MATH 1152 or MATH 2721),
- (BIOL 1112 or BIOL 1210),
- (ENVI 1106 or CHEM 1110),
- (ENVI 1206 or CHEM 1154 or CHEM 1210),
- (CHEM 3310 or CHEM 2311 or CHEM 2310),
- (PHYS 1101 or PHYS 1120),
- (PHYS 1102 or PHYS 1220)

Applications of Mathematics Honours

In addition to the requirements listed for Applications of Mathematics Major shown below, Honours students will need to select a total of at least 36 credits from List A (see below).

Students must complete 132 credits overall and maintain a Cumulative Grade Point Average (CGPA) of 3.0 and a minimum GPA of 3.0 in all upper division Mathematics courses.

To qualify for the Applications in Mathematics Honours degree, students must have been admitted to the Honours program prior to earning the Applications in Mathematics degree. Students may receive either the Applications in Mathematics degree or the Applications in Mathematics Honours degree, but not both.

Applications of Mathematics Major

In addition to the Core Requirements, students must complete the requirements of one of the concentrations in order to complete the Major program.

CORE REQUIREMENTS (FOR ALL CONCENTRATIONS)

All of:

ENGL 1100 Introduction University Writing	3 credits
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Year 1 and 2

One of:

MATH 1120 Differential Calculus	3 credits
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MATH 1130 Calculus for Sciences I	3 credits
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MATH 1140 Calculus I (Business Applications)	3 credits
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And one of:

MATH 1220 Integral Calculus	3 credits
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MATH 1230 Calculus for Sciences II	3 credits
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And all of:

COMP 1103 Introduction Computer Programming I	3 credits
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MATH 2232 Linear Algebra	3 credits
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MATH 2335 Probability and Statistics	3 credits
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MATH 2341 Multivariate Calculus (Calculus III)	3 credits
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MATH 2410 Discrete Mathematics	3 credits
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Year 3 and 4

All of:

MATH 3110 Introduction Applied Mathematics	3 credits
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MATH 3335 Potential Statistics	3 credits
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MATH 3420 Ordinary Differential Equations	3 credits
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MATH 4240 Mathematical Modelling	3 credits
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Notes:

- ASTR 1100, ASTR 1105, ASTR 3110, ASTR 3111, ENVI 3112, ENVI 2405, MATH 1115, MATH 1116, MATH 1117, MATH 1190 and PHYS 1112 cannot be counted as science credits unless included in the concentration requirements; however they may be used as elective credits.
- CHEM 1101 cannot be used either as science or elective credits.
- BIOL 1112, CHEM 1105, MATH 1112, and PHYS 1100 cannot be counted as science or elective credits unless included in the concentration requirements.

BIOMATHEMATICS CONCENTRATION

Additional requirements (over and above the core requirements).

Year 1 and 2**All of:**

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
BIOL 2322	Ecology	4 credits
CHEM 1110	The Structure of Matter	4 credits
CPSC 1204	Introduction to Computer Programming II	3 credits

One additional course that meets the writing requirement 3 credits

And one of:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

Year 3 and 4**All of:**

MATH 3140	Mathematical Computing	3 credits
MATH 4210	Biomathematics	3 credits
MATH 4350	Senior project	3 credits

And students must also complete:

- Three additional MATH courses (at least one at the 4000 level) chosen from List A (see below).
- Three more Biology courses numbered 2000 and above, including at least one at the 3000 or 4000 level. Conservation Biology and Molecular Genetics recommended.

COMPUTATIONAL MATHEMATICS CONCENTRATION

Additional requirements (over and above the core requirements).

Year 1 and 2**All of:**

CPSC 1204	Introduction to Computer Programming II	3 credits
CPSC 2302	Data Structures and Program Organization	3 credits
CHEM 1110	The Structure of Matter	4 credits
One additional course that meets the writing requirement		3 credits

And one of:

MATH 2331	Introduction to Analysis	3 credits
MATH 3150	The Structure of Mathematics	3 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
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PHYS 1120	Physics for Physical and Applied Sciences I	4 credits
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Year 3 and 4**All of:**

CPSC 3110	Simulation	3 credits
MATH 3140	Mathematical Computing	3 credits
MATH 4350	Senior Project	3 credits

And students must also complete:

- Three additional MATH courses chosen from List A (see below).
- At least seven more science or mathematics credits, four of which must be a lab-based BIOL, CHEM, or PHYS course.

It is recommended that students choose sufficient electives from the physical sciences (Physics and Chemistry), computer science, or economics and business to provide expertise in an area of application.

MATHEMATICS EDUCATION CONCENTRATION

Additional requirements (over and above the core requirements).

Year 1 and 2**All of:**

BIOL 1110	Introductory Biology I	4 credits
EDUC 2220	Introduction to Educational Psychology	3 credits
MATH 2331	Introduction to Analysis	3 credits

And one of:

ENGL 1202	Reading and Writing about Selected Topics: An Introduction to Literature	3 credits
ENGL 1204	Reading and Writing about Genre: An Introduction to Literature	3 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

And one of:

PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits

And one of:

CHEM 1105	Introductory Chemistry	4 credits
CHEM 1110	The Structure of Matter	4 credits
CPSC 1204	Introduction to Computer Programming II	3 credits
MATH 1116	Mathematical Explorations	3 credits

Year 3 and 4

MATH 2321	Multivariate Calculus (Calculus III)	3 credits
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All of:

MATH 3130	Introduction to the Mathematics Classroom	3 credits
MATH 3150	The Structure of Mathematics	3 credits
MATH 3250	Geometry	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3450	History of Mathematics	3 credits
MATH 4130	Theory of Mathematics Education	3 credits

And five additional courses (at least two MATH, one of which must be 4th year) chosen from List A (see below) and/or:

EDUC 3210	Supportive Relations in Educational Settings	3 credits
EDUC 3220	Children's Social and Emotional Development in Educational Settings	3 credits
EDUC 3250	Assessment Practices in Education	3 credits
EDUC 4210	Best Practices in Educational Settings	3 credits
PSYC 3303	Learning: Theory and Practice	3 credits

It is recommended that students wishing to teach secondary level mathematics also prepare in a second teachable area. This would consist of 30 credits of coursework, 18 of which should be at the 3rd or 4th year.

Applications of Mathematics Minor

In order to complete the Minor program, students must complete the following requirements:

Year 1 and 2

One of:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1140	Calculus I (Business Applications)	3 credits

And one of:

MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits

And one of:

MATH 2315	Probability and Statistics	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits

And all of:

MATH 2232	Linear Algebra	3 credits
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Year 3 and 4

15 credits:

chosen from List A (see below). 15 credits

List A - Selected Mathematics Courses

MATH 3120	Introduction to Applied Mathematics	3 credits
MATH 3140	Mathematical Computing	3 credits
MATH 3150	The Structure of Mathematics	3 credits
MATH 3160	Group Theory	3 credits
MATH 3170	Complex Variables	3 credits
MATH 3250	Geometry	3 credits
MATH 3315	Inferential Statistics	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits
MATH 3431	Partial Differential Equations	3 credits
MATH 3450	History of Mathematics	3 credits
MATH 4150	Number Theory	3 credits
MATH 4190	Introduction to Point-Set Topology	3 credits
MATH 4210	Biomathematics	3 credits
MATH 4220	Numerical Methods	3 credits
MATH 4240	Mathematical Modelling	3 credits
MATH 4250	Special Topics in Mathematics	3 credits
MATH 4350	Senior Project	3 credits

CREDENTIAL AWARDED

Upon successful completion of the honours program, students are eligible to receive a **Bachelor of Science (Honours)**. Transcripts will indicate **Major in Applications of Mathematics**.

Upon successful completion of the major program students are eligible to receive a **Bachelor of Science**. Transcripts will indicate a **Major in Applications of Mathematics**.

Upon successful completion of the minor as part of a Bachelor of Science program, transcripts will indicate a **Minor in Applications of Mathematics**.

Mathematics: Bachelor of Arts Minor

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Arts Minor in Mathematics program is primarily intended for students who plan to enter a post-baccalaureate education program, with mathematics as one of their teachable subjects. It has been developed specifically to meet the requirements of admission to the post-baccalaureate Secondary Education Programs at UBC, SFU and UVic. However, it is also intended for students who are planning professional careers for which a sound foundation in formal or mathematical reasoning is required and for students with a specific interest in mathematics.

The primary focus of the Minor in Mathematics is as an expression of human understanding rather than as a science or an aid to science. The courses included in the Minor in Mathematics are designed with the mathematically interested arts student in mind, concentrating on the development of an understanding of the mathematical enterprise and including topics that illuminate and extend those taught in the secondary school curriculum. The scientific applications of mathematics, however, will continue to be addressed in many of the courses offered.

Teaching has consistently been one of the more frequent career choices for secondary school graduates, and these students require education in teachable subjects before proceeding into a professional program of teacher training. The Minor in Mathematics, when paired with minors in English or History, will provide the necessary background for admission to a School of Education and an excellent path to the attainment of students' career goals. As well, the Minor in Mathematics can form part of a B.A. leading students into other professions such as law or technical writing.

Students within the Bachelor of Arts Minor in Mathematics program will take a general academic program in the first and second year, including at least five mathematics courses in the first four semesters. As well, students will select elective courses from the humanities, social sciences, sciences, fine arts, modern languages, music and business, as per the Bachelor of Arts Degree Framework.

Students completing appropriate courses in Years 1 and 2 will be eligible to exit with an Associate of Science in Mathematics.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year One Admission:

- English 12 with a 'B' (or equivalent)
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent)

Year Three Admission:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Mathematics:
 - Minimum grade of 'C' in Pre-Calculus 11, Principles of Mathematics 11, or Applications of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in Foundations of Mathematics 11 (or equivalent); or
 - Minimum grade of 'C-' in Pre-Calculus 12 or Foundations of Mathematics 12 (or equivalent); or
 - Minimum grade of 'C+' in the above Two Quantitative courses (three credits of which must be from the Faculty of Science & Horticulture)
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

Qualifying Year

Students who do not qualify upon initial application to KPU may be eligible for entry to the Qualifying Year. Students who possess at least a 'C' in English 12 (or equivalent) and a passing grade in either Pre-Calculus 11, Principles of Math 11, Foundations of Mathematics 11, Applications of Math 12 (or equivalents) will be able to apply for entry to the BA Qualifying Year. Students will be admitted to the BA program in the second year provided they have successfully completed appropriate qualifying courses. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria.

CONTINUANCE REQUIREMENTS

Current BA students must meet the following requirements to continue into their 3rd year of study. Registration access to third or fourth year courses is first awarded to students who have completed the following:

- 60 credits with a cumulative GPA of 2.00 (including all 1100- and 2000-level major/minor program requirements).
- Grade of 'C' in all required 1000- and 2000-level courses, including the English writing requirement (ENGL 1100 and one of either ENGL 1202 or 1204, or equivalent).
- Two Quantitative courses (total of six or more credits).
- 12 credits of breadth courses
- Second language at the Grade 11 level or 6 credits of post-secondary language courses in the same language. Note: Students need only achieve a passing grade to fulfill this requirement. Beginner's or Introductory Language 11 courses are ineligible to meet this requirement. Students who can demonstrate competency in a second language may request an assessment to have this requirement waived.

PROGRAM REQUIREMENTS

Students pursuing a Bachelor of Arts degree must complete all requirements in the Bachelor of Arts framework in addition to their major or minor program requirements.

Years One and Two

Students are required to complete 15 credits of mathematics courses at the 1000 and 2000 level.

One course from the following*:

MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I with a grade of C+ or better	3 credits
MATH 1140	Calculus I (Business Applications) with a grade of B- or better	3 credits

One course from the following*:

MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II with a grade of C+ or better	3 credits
MATH 1240	Calculus II (Business Applications) with a grade of B- or better	3 credits

All of these 2000 level MATH courses:

MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2232	Linear Algebra	3 credits

One course from the following:

MATH 2341	Introduction to Statistics for Business†	3 credits
MATH 2335	Statistics for Life Sciences†	3 credits
MATH 2315	Probability and Statistics†	3 credits

Notes:

* Credit will not be granted for more than one of these courses.

† Students may substitute MATH 1115 Introductory Statistics, but should be aware that it will not satisfy the statistics requirement for admission into the Secondary Education Program at UBC. Students should not take more than one course from this list as only three credits will be recognized as credits towards the Minor in Mathematics degree. Students who desire another lower division Mathematics course should consider MATH 1116 Mathematical Explorations (3 credits) or MATH 2331 Real Analysis (3 credits).

Years Three and Four

Students will be required to take 15 credits of mathematics courses numbered 3000 and above.

A minimum of 12 credits from the following:

MATH 3120	Introduction to Applied Mathematics (under development)	3 credits
MATH 3140	Mathematical Computing (under development)	3 credits
MATH 3150	Structure of Mathematics	3 credits
MATH 3160	Group Theory	3 credits
MATH 3170	Complex Variables	3 credits
MATH 3250	Geometry	3 credits
MATH 3315	Inferential Statistics (under development)	3 credits
MATH 3322	Vector Calculus	3 credits
MATH 3421	Differential Equations	3 credits
MATH 3431	Partial Differential Equations (under development)	3 credits
MATH 3450	History of Mathematics	3 credits
MATH 4130	Theory of Mathematics Education	3 credits
MATH 4150	Number Theory	3 credits
MATH 4190	Introduction to Point-Set Topology	3 credits
MATH 4210	Biomathematics	3 credits
MATH 4220	Numerical Methods (under development)	3 credits
MATH 4240	Mathematical Modelling	3 credits
MATH 4250	Special Topics in Mathematics	3 credits

Required 4000 Level MATH Course

MATH 4350	Senior Project	3 credits
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Note: Students planning to enter the Education program at either UBC or SFU will require an additional 3 credits of MATH courses numbered 3000 or higher. Those choosing UBC must also be sure to include MATH 3250 Geometry, MATH 4150 Number Theory and a Statistics course numbered 2000 or higher, (MATH 2341, MATH 2335, or MATH 2315) in their program.

CREDENTIAL AWARDED

Upon successful completion of the minor as part of a Bachelor of Arts program, transcripts will indicate a **Minor in Mathematics**.

Mathematics: Associate of Science Degree

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Mathematics.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

First Year Science Requirements

All of:

CPSC 1103	Introduction to Computer Programming I	3 credits
CPSC 1204	Introduction to Computer Programming II	3 credits

And four more first year science courses from the following:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1105*	Introductory Chemistry	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
CPSC 1100	Introduction to Computer Literacy	3 credits

GEOG 1110	Atmospheric Science	3 credits	GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 1120	Earth Science	3 credits	GEOG 2395	Cartographic Techniques	3 credits
MATH 1112*	Pre-Calculus Algebra	3 credits	PHYS 2101	Experimental Physics I	2.5 credits
MATH 1115	Statistics I	3 credits	PHYS 2201	Experimental Physics II	2.5 credits
PHYS 1100*	Introductory Physics	4 credits	PHYS 2330	Intermediate Mechanics	3 credits
PHYS 1102	Physics for Life Sciences II	4 credits	PHYS 2420	Intermediate Electricity and Magnetism	3 credits
Or either of:					
PHYS 1101	Physics for Life Sciences I	4 credits	PHYS 2421	Laboratory in Electric Circuits	2 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits	PHYS 2424	Relativity and Quanta	3 credits
Or either of:					
PHYS 1170	Mechanics I	3 credits			
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits			

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Mathematics**.

Notes:

* Students intending to transfer to a BSc should confirm transferability.

Second Year Science Requirements

Four second year Math courses chosen from:

MATH 2232	Linear Algebra	3 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2331	Introduction to Analysis	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits

And two more second year science courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2410	Physical - Inorganic Chemistry	5 credits
CHEM 3310	Physical Chemistry	4 credits
CPSC 2405	Introduction to Discrete Mathematics I	3 credits
GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits
GEOG 2330	Introduction to Hydrology	3 credits

Physics for Modern Technology: Bachelor of Science Major

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2014
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The B.Sc. Major in Physics for Modern Technology will give students a solid background in physics and also in the applications of physics to modern technology. The program has been designed with the needs of local high-tech industry in mind and will equip students to work in a wide variety areas including (but not limited to): green energy technology, industrial process control, electronics, robotics, technical sales, and teaching. In order to ensure students' future success in the workplace, the program includes a work placement and business courses.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

Year Two Admission

- Applicants must have completed 30 undergraduate-level credits with no grade less than 'C' in each course, including the following required courses:
 - ENGL 1100 (or equivalent)
 - MATH 1230 or MATH 1220 (or equivalents)
 - PHYS 1220 or PHYS 1102 (or equivalents)

Note: Graduates of KPU's Certificate in Engineering may receive advanced standing into the program.

Foundation Year

Students who do not qualify for Year Two admission, may be eligible for entry to the Foundation Year. Other applicants who do not qualify are encouraged to consult an Educational Advisor for the appropriate qualifying courses that satisfy the application criteria

PROGRAM REQUIREMENTS

General Requirements

All students must complete the following general requirements for a Bachelor of Science:

- A minimum of 120 credits and a minimum of 40 courses (at least 3 credits each) at the post-secondary level (numbered 1100 or higher).
- At least 45 of the credits (15 courses) must be at the 3000- or 4000-level; at least 9 of these credits must be at the 4000-level.
- A minimum of 18 credits of breadth electives (see Electives) including:
 - at least one 3000- or 4000-level course; and
 - at least 12 credits from fields or courses not regarded as science; and
 - a maximum of 6 credits may come from fields of science not already included in the Physics for Modern Technology Major requirements.
- A minimum of a passing grade (D or better) in all courses counting towards the BSc, with a cumulative GPA of 2.0.

To meet residency requirements, at least 50% of all courses for the BSc, and at least 66% of upper level courses for the BSc, must be completed at KPU.

Physics for Modern Technology Major

In addition to the General Requirements, students must complete the following courses.

YEAR 1

Semester 1

All of:

CHEM 1110	The Structure of Matter	4 credits
ENGL 1100	Introduction to University Writing	3 credits
PHYS 1600	Introduction to Modern Technology	3 credits

And one of:

MATH 1120	Differential Calculus (recommended)	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I (recommended)	4 credits

Semester 2

All of:

BIOL 1110	Introductory Biology I	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

And one of:

MATH 1220	Integral Calculus	3 credits
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MATH 1230	Calculus for Life Sciences II	3 credits
And one of:		
PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220	Physics for Physical and Applied Sciences II (recommended)	4 credits
And:		
One Breadth Elective (see Electives)		3 credits

YEAR 2

Semester 3

All of:

MATH 2721	Complex Numbers and Linear Algebra	3 credits
PHYS 2010	Modern Physics	3 credits
PHYS 2100	Experimental Physics	3 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits
One Breadth Elective (see Electives)		3 credits

Semester 4

All of:

MATH 2821	Multivariate and Vector Calculus	3 credits
PHYS 2030	Classical Mechanics	3 credits
PHYS 2040	Thermal Physics	3 credits
PHYS 2600	Electronics with Microcontrollers	3 credits
PHYS 2610	Sensors and Actuators	3 credits

YEAR 3

Semester 5

All of:

CHEM 2315	Analytical Chemistry	4 credits
PHYS 3610	Introduction to Control (under development)	3 credits
PHYS 3900	Project in Physics & Technology (under development)	3 credits
PHYS 4800	Special Topics I (under development)	3 credits
One Business Elective (see Electives)		3 credits

Semester 6

Semester 6 includes work experience. The remainder of courses will be taken in compressed mode, January to February, in order to make the period from March through August available for

work placement. The exact starting date will be determined in consultation with the work experience host.

All of:

PHYS 3620	Process Control (under development)	3 credits
PHYS 3700	Signal and Image Processing	3 credits
PHYS 3710	Applied Optics and Optoelectronics (under development)	3 credits
PHYS 3950	Work Experience - Part I	3 credits
PHYS 3951	Work Experience - Part II	3 credits

YEAR 4

Semester 7

All of:

CHEM 4610	Instrumental Analysis (under development)	4 credits
PHYS 4600	Programming for Instrumentation (under development)	3 credits
PHYS 4801	Special Topics II (under development)	3 credits
Two Breadth Electives (see Electives)		6 credits

Semester 8

All of:

PHYS 4010	Quantum and Solid State Physics (under development)	3 credits
PHYS 4700	Spectroscopic Instrumentation (under development)	3 credits
PHYS 4900	Senior Project in Physics & Technology (under development)	3 credits
One Breadth Elective (see Electives)		3 credits
One Business Elective (see Electives)		3 credits

Electives

As part of the major program, students are required to complete 15 credits of Breadth Electives as well as 6 credits of Business Electives.

BREADTH ELECTIVES

Breadth electives must be selected from subject areas outside of Physics. No more than six of these credits may be from the sciences.

BUSINESS ELECTIVES

At least six credits (two courses) must be selected in consultation with Physics faculty to meet Business Elective requirements. Courses must be selected from:

- Accounting (ACCT) – any course other than ACCT 1130 or ACCT 1230
- Business & Quantitative Methods (BUQU) – any course other than BUQU 1130 or BUQU 1230

- Business (BUSI) – any course other than BUSI 1204 or BUSI 1209
- Marketing (MRKT) – any course

CREDENTIAL AWARDED

Upon successful completion of the major program students are eligible to receive a **Bachelor of Science**. Transcripts will indicate a **Major in Physics for Modern Technology**.

Physics for Modern Technology Foundation Year

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2014
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Physics for Modern Technology Foundation Year provides students with an opportunity to prepare for admission to Year Two of the Major program.

The B.Sc. Major in Physics for Modern Technology will give students a solid background in physics and also in the applications of physics to modern technology. The program has been designed with the needs of local high-tech industry in mind and will equip students to work in a wide variety areas including (but not limited to): green energy technology, industrial process control, electronics, robotics, technical sales, and teaching. In order to ensure students' future success in the workplace, the program includes a work placement and business courses.

A student applying for Year 1, the Foundation Year, need only meet the general university admission requirements. Once admitted to the Foundation Year, students can receive guidance from program personnel. Students who arrive at KPU missing prerequisites for any Year 1 courses can take upgrading courses during the Foundation Year.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply, including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

In order to prepare for admission to the BSc Major in Physics for Modern Technology, Year 2, students must have completed 30 undergraduate-level credits with no grade less than 'C' in each course plus:

All of:

BIOL 1110	Introductory Biology I	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

ENGL 1100 Introduction to University Writing 3 credits

PHYS 1600 Introduction to Modern Technology 3 credits

And one of:

MATH 1120 Differential Calculus (recommended) 3 credits

MATH 1130 Calculus for Life Sciences I 3 credits

And one of:

MATH 1220 Integral Calculus 3 credits

MATH 1230 Calculus for Life Sciences II 3 credits

And one of:

PHYS 1101 Physics for Life Sciences I 4 credits

PHYS 1120 Physics for Physical and Applied Sciences I (recommended) 4 credits

And one of:

PHYS 1102 Physics for Life Sciences II 4 credits

PHYS 1220 Physics for Physical and Applied Sciences II (recommended) 4 credits

And:

One Breadth Elective (see Physics for Modern Technology Electives) 3 credits

Courses may be completed on a full-time or part-time basis.

CREDENTIAL AWARDED

Upon successful completion of the Foundation Year, students may seek admission to the Bachelor of Science, Major in Physics for Modern Technology.

Physics: Associate of Science

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate Degree is designed to provide an educational experience that prepares students for work, citizenship and an enriched life as an educated person, and to lay a solid foundation for further study in the field of Physics.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

First Year Science Requirements

All of:

CHEM 1110 The Structure of Matter 4 credits

CHEM 1210 Chemical Energetics and Dynamics 4 credits

CPSC 1103 Introduction to Computer Programming I 3 credits

PHYS 1120 Physics for Physical and Applied Sciences I 4 credits

PHYS 1220 Physics for Physical and Applied Sciences II 4 credits

And one more first year science courses from the following:

BIOL 1110 Introductory Biology I 4 credits

BIOL 1210 Introductory Biology II 4 credits

CHEM 1105* Introductory Chemistry 4 credits

CPSC 1100	Introduction to Computer Literacy	3 credits
CPSC 1204	Introduction to Computer Programming II	3 credits
GEOG 1110	Atmospheric Science	3 credits
GEOG 1120	Earth Science	3 credits
MATH 1112*	Pre-Calculus Algebra	3 credits
MATH 1115	Statistics I	3 credits
PHYS 1100*	Introductory Physics	4 credits
PHYS 1170	Mechanics I	3 credits

Notes:

* Students intending to transfer to a BSc should confirm transferability.

Second Year Science Requirements

All of:

PHYS 2330	Intermediate Mechanics	3 credits
PHYS 2424	Relativity and Quanta	3 credits

And two second year math courses chosen from:

MATH 2232	Linear Algebra	3 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2331	Introduction to Analysis	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits

And two additional second year science courses chosen from:

BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology	4 credits
BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2410	Physical - Inorganic Chemistry	5 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits
CPSC 2405	Introduction to Discrete Mathematics I	3 credits
GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits

GEOG 2330	Introduction to Hydrology	3 credits
GEOG 2390	Geographic Information and Data Analysis	3 credits
GEOG 2395	Cartographic Techniques	3 credits
MATH 2232	Linear Algebra	3 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2331	Introduction to Analysis	3 credits
MATH 2335	Statistics for Life Sciences	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits
MATH 3421	Ordinary Differential Equations	3 credits
PHYS 2101	Experimental Physics I	2.5 credits
PHYS 2201	Experimental Physics II	2.5 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits
PHYS 2421	Laboratory in Electric Circuits	2 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in Physics**.

Plant Health: Bachelor of Horticulture Science Major

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This Bachelor of Horticulture Science Major is an interdisciplinary program that combines horticulture, business, mathematics, biology, chemistry, and student-selected general education requirements. Students will combine the science and practice of horticulture to resolve community, industry, and research related problems. Innovation and creative thinking are important essential skills that students gain through their involvement in research and course specific projects. A major program theme is the relationship between horticulture, our communities and our environment.

The Bachelor of Horticulture Science program has the following strengths:

- Customized education through the selection of electives that support learner educational goals
- Emphasis on the economic, environmental, and social components of sustainability
- Strong connections with horticulture industry and community groups
- Development of essential skills such as teamwork, creative thinking, problem solving, and communication
- Capstone research courses which include a business plan and the application of new skills to a community based issue
- Required work experience in the first two years

Students address the impacts of plant health issues on the local, regional, and international practice of horticulture. The recognition of plant health, the diagnosis of poor plant performance, and the analysis of plant health programs form the core educational goals. Students explore the impacts of weeds, pests, and diseases as well as the implementation of pest management tactics on the environment. A unique feature of the program is the recognition of horticulture as part international trade and the impact of pests and diseases on the movement of plants and plant products around the globe.

Students may have the opportunity to engage in international studies.

STUDENT PROFILE

Individuals interested in the impacts of plant health and the management of plant health on the horticulture industry and on our own communities are encouraged to apply. This program will appeal to students who are interested in an applied science program where they will both analyze problems and implement solutions that enhance and protect our food amenity and recreational needs. Students interested in the effects of varied societal perspectives on public policy and the implementation of sustainable practices to food and amenity crops will find this program of value.

CAREER OPPORTUNITIES

Upon completing this Bachelor of Horticulture Science Major, graduates will be qualified to compete for:

- Technical positions in the Environmental Sector
- Urban Horticulturists
- Growers in Production Horticulture Operations
- Plant Protection Inspectors
- Pest Management Specialists or Managers in public or private organizations
- Crop Consultants
- Technical Representatives for Horticulture or Agriculture Supply Companies
- Parks Managers
- Graduate studies in Horticulture or related fields (subject to specific graduate school admission requirements)

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a B grade (or equivalent)
- Principles of Math 11 with a C grade (or equivalent)
- Chemistry 11 with a C+ grade (or equivalent)

Students who have not completed Principles of Math 12 or Precalculus 12 (or equivalent) with C+ or better will need to take MATH 1117 as part of the Bachelor of Horticulture Science Major in Plant Health program.

Note: KPU Horticulture Technology Diploma students may apply completed equivalent coursework towards the program requirements that are outlined below.

PROGRAM REQUIREMENTS

The Bachelor of Horticulture Science, Major in Plant Health consists of 122 credits of course work including 33 HORT 3000 or 4000 credits.

Plant Health Major

YEAR 1

All of:

CBSY 1105	Introductory Computer Applications	3 credits
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ENGL 1100	Introduction to University Writing	3 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 2302	Horticulture Work Experience	1 credit

Plus:

9 credits of HORT electives at 1000 or 2000 level, see list below 9 credits

YEAR 2

All of:

BIOL 1110	Introductory Biology I	4 credits
BUSI 1205	Supervisory Skills	3 credits
BUSI 1209	Business Management in Horticulture	3 credits
ENVI 1106	Environmental Chemistry I	4 credits
HORT 2306	Work Experience Report	1 credit

Plus one of:

HORT 2308	Landscape Pest Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits
HORT 2378	Production Horticulture Pests	3 credits

Plus:

12 credits of HORT electives at 1000 or 2000 level 12 credits

YEAR 3

All of:

BIOL 1210	Introductory Biology II	4 credits
MATH 1115	Statistics I	3 credits
HORT 3310	Entomology	3 credits
HORT 3320	Plant Pathology	3 credits
HORT 3330	Biological Control in Pest Management	3 credits
HORT 3360	Scouting, Monitoring, and Assessment of Pests	3 credits

Plus:

6 credits of HORT electives at 2000 level or above 6 credits

Plus:

6 credits of Breadth electives 6 credits

YEAR 4

All of:

HORT 4340	Pest Management	3 credits
HORT 4350	Environmental Effects of Plant Health Management	3 credits
HORT 4370	National and Global Regulatory Issues	3 credits
HORT 4440	Vegetation Management	3 credits
HORT 4480	Society and Horticulture	3 credits
HORT 4810	Applied Research Project 1	3 credits
HORT 4820	Applied Research Project 2	3 credits
PHIL 3033	Business Ethics	3 credits

Plus:

6 credits of Breadth electives 6 credits

HORT Electives

HORT electives 1100 or higher must equal a total of 27 credits, 9 credits of which are at the 2000 level. These courses can be selected from the list below.

HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1124	Landscape Gardening Methods	3 credits
HORT 1132	Turf Maintenance Operations	3 credits
HORT 1172	Forest Seedling Production	2 credits
HORT 1193	Crop Production Practices	3 credits
HORT 1224	Landscape Drafting	3 credits
HORT 1230	Sustainable Turf Management	3 credits
HORT 1232	Sports Turf Management Practices	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 1246	Plant ID for Production	1.5 credits
HORT 1255	Plant Identification 2	1.5 credits
HORT 1261	Plant Propagation	3 credits
HORT 1293	Crop Production Operations	3 credits
HORT 2327	Sustainable Landscape Design I	3 credits
HORT 2330	Turfgrass and Environmental Stress	3 credits
HORT 2334	Irrigation, Drainage and Lighting	3 credits
HORT 2355	Plant Identification 3	3 credits

HORT 2375	Production Facilities and Equipment	3 credits
HORT 2393	Crop Production Performance	3 credits
HORT 2412	Landscape Estimating and Contract Administration	3 credits
HORT 2426	Landscape Construction	3 credits
HORT 2427	Sustainable Landscape Design II	3 credits
HORT 2432	Grounds Machinery Maintenance	3 credits
HORT 2436	Golf Course Management	3 credits
HORT 2437	Golf Course Irrigation Systems, Designs, and Operations	3 credits
HORT 2442	Arboriculture II	3 credits
HORT 2463	Nursery Production	3 credits
HORT 2473	Greenhouse Environment and its Control	3 credits
HORT 2477	Production Management	3 credits
HORT 2479	Spring Floriculture	3 credits
HORT 2490	Organic Greenhouse Crop Production	3 credits
HORT 2493	Crop Production Development	3 credits

Breadth Electives

Breadth electives (12 credits) may come from fields or courses not regarded as horticulture courses. CMNS 1140 can be used as a breadth course.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Horticulture Science, Major in Plant Health**.

General Science: Associate of Science Degree

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Associate Degree
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Associate of Science in General Science is tailored for students who are uncertain of the major they wish to complete, or who wish to follow an articulated pathway to a specific degree at a specific institution (see Articulated Options below).

For those uncertain, students should be careful in selecting this option because while it is recognized as half way to completing a Bachelor of Science degree, it does not necessarily reflect all lower level courses required for a specified field of science (biology, chemistry, geography, mathematics, physics, psychology) they may choose to pursue later. Generally, Year 1 is common at all universities, but variations could begin as early as Year 2. It is therefore advisable that you verify the course requirements for Year 1 and Year 2 with an Educational Advisor or with the university at which you wish to complete your Bachelor of Science degree (referred to as the receiving university).

For your convenience, a list of required lower level courses by BC universities can be found under the heading "suggested options" at KPU's Science website: kpu.ca/science/associate. Care is taken to keep this list current, but it is always wise to verify accuracy.

Articulated Options

Aside from the foregoing areas of specialization, three other options have been articulated within the Associate of Science in General Science.

A. BBA IN ENTREPRENEURIAL LEADERSHIP AT KWANTLEN POLYTECHNIC UNIVERSITY

This option allows Science students with an Associate of Science degree to apply to enter directly into the third year of KPU's Bachelor of Business Administration (BBA) in Entrepreneurial Leadership. This four-year package (2-year A.Sc.; 2-year BBA) provides a solid foundation in science while pursuing a degree in Business at Kwantlen Polytechnic University.

A degree with this focus can be very beneficial in business or industry involving the manufacture and sale of scientific and technology products, or for working in industries involved heavily

with health research (e.g., pharmaceutical companies, hospitals, biological corporations).

B. BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE OR ENVIRONMENTAL MANAGEMENT AT ROYAL ROADS UNIVERSITY

This option allows Science students with an Associate of Science degree to apply to enter directly into the third year of a B.Sc. in Environmental Science or Environmental Management at Royal Roads University.

C. BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE AT THE UNIVERSITY OF NORTHERN BRITISH COLUMBIA

This option allows Science students with an Associate of Science degree to apply to enter directly into the third year of a B.Sc. in Environmental Science at UNBC.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

Within the framework of the Associate of Science degree, you must complete at least 60 credits with a minimum overall GPA of 2.0 and a minimum passing grade (D or better) in each course:

Articulated Options Requirements

A. BBA IN ENTREPRENEURIAL LEADERSHIP AT KWANTLEN POLYTECHNIC UNIVERSITY

Mathematics Requirements:

All of:

MATH 1140	Calculus I (Business Applications)	3 credits
MATH 1240	Calculus II (Business Applications)	3 credits

Note: MATH 1112 or either combinations of MATH 1120/1220 or MATH 1130/1230 also qualify, but at least one of the two mathematics courses must be a first year Calculus. Please be aware of mathematics prerequisites (including grades) required for science courses chosen in Years 1 and 2.

First Year Science Requirements:

One of:

CPSC 1100	Introduction to Computer Literacy	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits

One of:

MATH 1115	Statistics I	3 credits
ACCT 1230	Business Statistics	3 credits

And four first year science courses chosen from ASTR, BIOL, CHEM or PHYS

Second Year Science Requirements:

Six second year BIOL, CHEM, MATH or PHYS courses chosen over at least two of these disciplines

Other Courses Requirements:

One of:

BUSI 1210	Essentials of Management	3 credits
BUSI 1215	Organizational Behaviour	3 credits

All of:

ACCT 2293	Accelerated Introductory Financial Accounting	3 credits
ECON 1150	Principles of Microeconomics	3 credits
MRKT 1199	Introduction to Marketing	3 credits

In addition, a minimum overall GPA of at least 2.7 is required, with a minimum of C grade in any course, for direct admission to Year 3 of the BBA. A minimum grade of C+ is required in MATH 1115 (or ACCT 1230) and ACCT 2293.

B. BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE OR ENVIRONMENTAL MANAGEMENT AT ROYAL ROADS UNIVERSITY

Mathematics Requirements:

All of:

MATH 1130	Calculus for Life Sciences I	3 credits
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And one of:

MATH 1115	Statistics I	3 credits
MATH 1120	Differential Calculus	3 credits
MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits

First Year Science Requirements:

All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

And one of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

And one of:

CPSC 1100	Introduction to Computer Literacy	3 credits
ENVI 1121	Environmental Issues	3 credits
GEOG 1120	Earth Science	3 credits

Second Year Science Requirements:

All of:

BIOL 2322	Ecology	4 credits
CHEM 2320	Organic Chemistry I	4 credits

And one of:

CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2410	Physical - Inorganic Chemistry	5 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits

And two other second year science courses chosen from:

Any second year BIOL course		
CPSC 2405	Introduction to Discrete Mathematics I	3 credits
GEOG 2310	Climatology	3 credits
GEOG 2320	Geomorphology	3 credits
Any second year MATH course		
Any second year PHYS course		

Other Courses Requirements:

All of:

ECON 1101	Foundations of Economics	3 credits
Two other transferable university courses		

C. BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE AT THE UNIVERSITY OF NORTHERN BRITISH COLUMBIA

Mathematics Requirements:

All of:

MATH 1120	Differential Calculus	3 credits
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One of:

MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits

First Year Science Requirements:

All of:

BIOL 1110	Introductory Biology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits

One of:

PHYS 1101	Physics for Life Sciences I	4 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits

One of:

PHYS 1102	Physics for Life Sciences II	4 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits

Second Year Science Requirements:

All of:

BIOL 2322	Ecology	4 credits
BIOL 2330	Microbiology	4 credits
CHEM 2320	Organic Chemistry I	4 credits
GEOG 2320	Geomorphology	3 credits
GEOG 2330	Introduction to Hydrology	3 credits

One of:

BIOL 2321	Cell Biology	4 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits

Note: KPU BIOL 2321 + BIOL 2421 transfer as UNBC BIOL 311 + CHEM 204, but BIOL 311 is not a requirement for this pathway.

Other Courses Requirements:

All of:

GEOG 1101	Human Geography	3 credits
GEOG 1110	Atmospheric Science	3 credits
GEOG 1120	Earth Science	3 credits
GEOG 2395	Cartographic Techniques	3 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive an **Associate of Science Degree in General Sciences**.

Science: Diploma

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Diploma
Offered At	Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This credential is awarded in recognition of a substantial course profile in science taken at KPU. There is no recognition of a Diploma of Science with respect to transferring to a receiving institution other than transfer credit on a course-by-course basis.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

PROGRAM REQUIREMENTS

60 credits (KPU credits) in 1100 and 2000 level courses with a minimum overall cumulative GPA of 2.00 in the courses that count towards the Diploma, including:

- 3 credits (1 course) in first year English
- Any two of MATH 1112, 1115, 1120, 1130, 1220 or 1230, at least one of which must be Calculus
- 20 credits of level 1100 and 1200 courses drawn from at least two of the following disciplines: Biology, Chemistry, Physics; and
- 2 courses at level 2300 and 2400 in Biology, Chemistry, Physics or Mathematics (excluding MATH 2341)

Note: Students should be careful to choose their remaining credits according to program requirements at the university, or institute of technology where they wish to complete their Degree.

Note: A maximum of 45 credits (none at the 2300 or 2400 level) can be transferred into KPU through a combination of courses taken at another institution or granted through Prior Learning Assessment.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Science**.

Science & Math Information

Faculty of Science and Horticulture	kpu.ca/science
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Not applicable
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	No Credential
Offered At	Langley Richmond Surrey
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

KPU currently offers the first two years of mathematics and science courses towards a Bachelor of Science degree in Biology, Chemistry, Mathematics or Physics. Students wishing to complete their Bachelor of Science degree can readily transfer to UBC, SFU, UVic, UNBC, or any other post-secondary institution in British Columbia that offers a Bachelor of Science.

PROGRAM ADMISSION REQUIREMENTS

Admission to a KPU program is required to access Science courses.

PROGRAM REQUIREMENTS

Astronomy

If you find yourself staring into the sky at night, curious about the solar system or the universe in general, one or more of these courses might be for you.

ASTR 1100 (Introduction to Astronomy) is a lab-science course for non-science students. No prior study of Physics or Astronomy is required. Topics include the Earth, Solar System, Milky Way, galaxies and cosmology.

ASTR 1105 (Basic Astronomy) is a science course for non-science students. The course is similar to ASTR 1100 (introduction to Astronomy) but has no lab component. No prior study of Physics or Astronomy is required. Topics include the Earth, Solar System, Milky Way, galaxies and cosmology.

ASTR 3110 (Exploring the Solar System) is a course that surveys recent discoveries about the planets and other objects in the solar systems. Topics also include the Sun, the existence of planetary systems around other stars, and the search for life.

ASTR 3111 (Exploring Stars & Galaxies) is a course that surveys recent discoveries in modern astronomy. Topics also include the Sun, stars, pulsars, black holes, galaxies, quasars and the origin and evolution of the universe.

ASTR 1120 (Introduction to Astrophysics) is an introductory course in astronomy designed for science students. It can be

taken as an elective toward Bachelor of Science degrees in many disciplines including biology, chemistry, mathematics, physics and geography. Topics include the Earth, Solar System, Milky Way, galaxies and cosmology. ASTR 1120 is not intended for students majoring in astronomy. Those students are advised to enter directly into ASTR 2101 and 2102.

ASTR 2101 (Astrophysics I: Stellar Astrophysics) and ASTR 2102 (Astrophysics II: Galactic Astronomy) are Astronomy courses for science students who are more seriously interested in astronomy and physics. These courses do not have lab components and are often suitable as electives for students majoring in the sciences (chemistry, biology, physics) – they are core courses for astronomy majors. ASTR 1120 is NOT a prerequisite.

Notes:

ASTR 1100, ASTR 1105, ASTR 3110 and ASTR 3111 are for students majoring in fields other than science. (ASTR 1105, ASTR 3110 and ASTR 3111 do not have a lab component). These three courses can be used to meet the Liberal Education requirements of many of KPU's applied degrees, as well as to meet the Q (Quantitative) and B (Breadth) requirements for the Bachelor of Arts degrees.

ASTR 1105, 1120, 2101, 2102, and 3111 are not offered every year. Please consult the department for scheduling information.

For further information visit the Department of Physics website at kpu.ca/physics.

Biology

KPU offers a full range of first and second year Biology courses. All Biology courses (except BIOL 2421 - Cellular Biochemistry) have both lecture and laboratory components.

BIOL 1112 (Biology Today) – is designed for students majoring in areas other than Biology. The course focuses on current advances in human heredity and evolution and examines some of the most exciting and controversial topics in current day Biology, including cloning, stem cell research and genetically modified foods. In the labs students make a DNA fingerprint, isolate and amplify their own DNA and have a chance to use equipment found in high-tech facilities. There are two 2-hour classes and one 2-hour lab per week.

BIOL 1110 and BIOL 1210 (Introductory Biology I & II) – are required for students majoring in Biology and are prerequisites for all second year Biology courses. These courses have two 2-hour classes and one 3-hour lab per week.

BIOL 1160 and BIOL 1260 (Anatomy and Physiology I & II) – have one 2-hour class and a 1-hour question-and-answer period each week in addition to lab time. These courses operate on an Open Lab system in which students may do their lab work at any time during the laboratory's opening hours. (Open hours are posted at the lab entrance and are available on the Biology department's web site.) Students should expect to spend as many as six hours per week in the laboratory, and must consider this time commitment when timetabling.

All Second second year courses have two 2-hour classes per week. With the exception of BIOL 2421 (Cellular Biochemistry), all second year courses have a scheduled lab. BIOL 2322 (Ecology) has one 4-hour lab each week. Other second year lab courses have a 3-hour lab each week.

Note: These are Biology courses, and the use of animal and plant tissues may be required.

For further information contact the Department of Biology (kpu.ca/biology).

Chemistry

All Chemistry courses have both a lecture and a lab component with the exception of CHEM 2311 (Physical Chemistry for Life Sciences).

Students intending to transfer into the second year of a university program are advised to refer to the appropriate university calendar for the specific course requirements, or contact an Educational Advisor.

Mathematics is a requirement in many university programs and most chemistry courses offered at KPU possess mathematics prerequisites. For this reason, students are advised to consider carefully the sequence of math and chemistry courses taken. The following sequence is suggested to permit students to progress smoothly through chemistry and mathematics in the minimum number of semesters. Students should start at the level consistent with their previous experience.

- Students with no previous chemistry and little mathematics should take CHEQ 1094 (Preparation for General Chemistry) and MATQ 1093 (Intermediate Algebra)
- Students with Chemistry 11 (with a grade of C+ or better) and Math 11 or Pre-calculus 11 (with a C or better) or MATQ 1093 should take CHEM 1105 (Introductory Chemistry) and MATH 1112 (Pre-Calculus Algebra).
- Students with Chemistry 12 (and a letter grade of C+ or better) and Math 12 (either Principles of Math 12 or Pre-calculus 12) (with a B or better) or (a C grade plus Mathematics Placement Test) or MATH 1112 should take the following:

Semester 1: CHEM 1110 and MATH 1120

Semester 2: CHEM 1210 and MATH 1220

Students may also take higher level chemistry at KPU. Organic Chemistry (CHEM 2320 and CHEM 2420), Analytical Chemistry (CHEM 2315), and Physical Chemistry for both the Physical Sciences and Life Sciences (CHEM 3310 and CHEM 2311) are all offered and all transfer to British Columbia universities.

CHEM 1101 (CSI: Chemical Science Investigation) – for students who require a lab-science or quantitative requirement but do not want a typical science course, CHEM 1101 is an option. This course is tailored to meet the needs of students with little or no background in sciences and math and explains the chemistry behind forensic science. The lab aspect of the course is of particular benefit to students pursuing elementary education.

For further information contact the Department of Chemistry (kpu.ca/chemistry).

Environmental Protection

Environmental Protection offers three courses to students from other disciplines who wish to learn more about the environment, and/or require it in their program of study.

ENVI 1121 (Environmental Issues) is an introductory course of environmental science required for students in EPT and in Policy Studies, but open to other students. ENVI 1121 qualifies as a Q-course and a Liberal Education elective.

ENVI 2305 (Environmental Toxicology) is required for students who wish to take the Environmental Toxicology program at SFU.

ENVI 3112 (Environment and Society) is a discussion course that studies the role the media, the artistic community, business, and cultural groups play in environmental disputes.

ENVI 3212 (The Urban Environment) is a course that discusses urban environmental issues from a variety of political, social, activist, and scientific perspectives.

ENVI 3112 and ENVI 3212 qualify as Liberal Education electives.

For further information visit the Department of Environmental Protection website at kpu.ca/science/environment.

Mathematics

Many university departments require credits in mathematics at the first-year or second-year level for admission to certain upper-level courses. Students are therefore urged to consult the appropriate calendars, educational advising, or a mathematics instructor at KPU for details of specific mathematics requirements.

MATHEMATICS COURSES FOR SCIENCE STUDENTS

The normal sequence of mathematics courses for students who wish to receive credit for first-year calculus in sciences or applied sciences should be:

- MATH 1120 (Differential Calculus)
- MATH 1220 (Integral Calculus)

Students who intend to complete their second year of a science program at KPU may (depending on their program) also require MATH 2315 (Probability and Statistics), 2321 (Multivariate Calculus {Calculus III}), 2331 (Introduction to Analysis), 2335 (Statistics for Life Sciences), 3322 (Vector Calculus {Calculus IV}), 3421 (Ordinary Differential Equations)

Note: First-year science calculus (MATH 1120, 1220 or in some cases MATH 1130, 1230) are required for those planning to study mathematics, science, applied science, agriculture, forestry, pharmacy, medicine or dentistry.

MATHEMATICS COURSES FOR BUSINESS, COMMERCE AND ECONOMICS STUDENTS

Students wishing to transfer to a commerce, business administration or economics degree program at a university should consult the appropriate calendar or speak with educational advising with regard to mathematics requirements. However, the normal sequence of courses should be as per the following:

UBC

MATH 1120, 1130 or 1140 (Calculus I {Business Applications}) and 1220 or 1230 or 1240 (Calculus II {Business Applications})
SFU MATH 1140, 1240, 2341 (Introduction to Statistics)

UVic

MATH 1120 or 1140 and 1220 or 1240

MATHEMATICS COURSES FOR NON-SCIENCE STUDENTS

Students whose major interests lie outside of the sciences and who would like to study the structure and development of Mathematics from the point of view of the non-mathematician are encouraged to take MATH 1116 (Mathematical Explorations). Students with a P or better in either Principles of Math 11 or Applications of Math 11 are eligible to take this course. This course can be used to partially fulfill the quantitative requirement for the B.A. degree.

For further information visit the Department of Mathematics website at kpu.ca/science/mathematics.

Physics

The Physics Department offers first and second year physics courses that are foundational for KPU Bachelor of Science degrees and that also transfer readily to other post-secondary

institutions (see Transfer Guide). Many Physics courses have both a lecture and a lab component. Not all courses are offered every semester. Students are encouraged to contact Educational Advisors or any Physics instructor for information and guidance.

PHYS 1100 (Introductory Physics) is a preparatory course for students who have not taken Physics 12.

PHYS 1101 (Physics for Life Sciences I) and PHYS 1102 (Physics for Life Sciences II) are first year Physics courses for Life Science students, and include lab components. (PHYS 1220 (Physics for Physical & Applied Sciences II) can be taken in lieu of PHYS 1102.)

PHYS 1112 (Reel Physics) is a course aimed at non-science majors that explores physics portrayed in pop culture. Movies will be a main focus of this course! You can learn to tell if a movie stunt is real, or see just how much fiction is in science fiction. This course is designed to meet the Liberal Education requirements of many of KPU's applied degrees, as well as for meeting the Q (Quantitative) and B (Breadth) requirements of the Bachelor of Arts degrees.

PHYS 1120 (Physics for Physical & Applied Sciences I) and 1220 (Physics for Physical & Applied Sciences II) are first year Physics courses for Physical Science and Applied Science students, and include lab components.

PHYS 1170 (Mechanics I) is a Mechanics course for Applied Science students.

The following are our second year courses. You should check with the Physics department to see if they are being offered:

PHYS 2101 (Experimental Physics I), PHYS 2201 (Experimental Physics II), PHYS 2330 (Intermediate Mechanics), and PHYS 2424 (Relativity and Quanta).

PHYS 3202 (Biophysics) is about analyzing biological systems and problems using the principles of physics. Areas of study include: how animals move, limitation on the size of organisms, how body heat is regulated, and how eyes and ears work.

For further information, visit the Department of Physics website at kpu.ca/physics.

CREDENTIAL AWARDED

These courses may be used towards many KPU credentials.

Sustainable Agriculture: Bachelor of Applied Science

Faculty of Science and Horticulture	kpu.ca/science
Sustainable Agriculture	kpu.ca/science/agriculture
Implementation Date	01-Sep-2012
Start Date(s)	September January May
Admission Type	Open admission
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Richmond
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Bachelor of Applied Science in Sustainable Agriculture degree is unique to North America and is distinguished from other agriculture degree programs by providing a broad scope of study related to sustainable food production as an integral and fundamentally critical element of sustainable human existence. Through a distinctive and exceptional combination of classroom and farm-based learning, the program offers a comprehensive perspective on:

- The science of agro-ecosystem design and stewardship;
- Innovative and ecologically sound crop production methods;
- Sustainable farm business management; and,
- The economic, social, and environmental challenges facing our food system

LEARNING OUTCOMES

The curriculum is designed in recognition of the need for both practical and academic training within the new powerful movement in sustainable agriculture. Students will be immersed in a setting which fosters experiential learning and exploring personal interests and inclination. During our four year Bachelor degree program, students will work to realize three major learning outcomes:

- *The ability to grow fruit and vegetable crops within a sustainable ecological context.* A full spectrum of experiential field-based agricultural courses are offered in Year 3 which, by necessity, follows a complete crop cycle beginning in the spring and extending through summer into the fall. These applied courses function as a mechanism to bring the theoretical concepts and principles of sustainable agro-ecosystem design, function and management to practical realization.
- *Develop the business, sales and marketing skills necessary to manage a sustainable agricultural farming business.* The development of these skills is facilitated by the inclusion of a broad base of foundational courses supplemented by a multidisciplinary business management course in Year Four.

- *Develop practical, problem solving and research skills as well as an understanding of government, economic and business environments and policies needed to address issues of and advance sustainable agri-food systems, as related to employment in government, non-government organizations and the private sector.*

STUDENT PROFILE

Individuals interested in gaining a practical understanding of sustainably growing food for their communities as well as those who wish to see this type of local-regional agriculture and food system integrated fully into society. This program will appeal to students who recognize that environmental stewardship and community involvement are critical to our food system and who wish to be part of a new approach to agriculture. Students looking for creative, hands-on work on farms and in the community will thrive in this program.

CAREER OPPORTUNITIES

Sustainable, local food production is a rapidly developing component of sustainable community/ regional planning and development is on the minds of the public and governments alike. Program graduates will be sought after in areas as diverse as planning, resource management, politics, government, non-government organizations, related business, and production agriculture.

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

A passing grade in Biology 11 or 12 is an asset but is not required.

Note: One post-secondary English course, equivalent to KPU's ENGL 1100, is a graduation requirement for all KPU degrees. Students wishing to complete the program without having to undertake any preparatory courses must enter with English 12 with a B grade or the equivalent. Please make an appointment with an Academic Advisor to plan your course selections accordingly.

Students should be aware that acceptance into the Sustainable Agriculture Degree program is not a guarantee of registration in any or all of the courses. Qualifying courses are available for those students who do not meet the program's admission requirements and/or course prerequisites. To learn more about these options visit www.kpu.ca/aca.

PROGRAM REQUIREMENTS

The Bachelor of Applied Science in Sustainable Agriculture consists of 121 credits of course work

Year One

Fall Semester

All of:

AGRI 1150	Sustainable Agriculture for the 21st Century	3 credits
BIOL 1110	Introductory Biology I	4 credits

ENVI 1106	Environmental Chemistry I	4 credits
GEOG 1101	Human Geography	3 credits

AGRI 2250	Agriculture and Food Systems	3 credits
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And one of:

MATH 1112	Pre-Calculus Algebra	3 credits
MATH 1117	Environmental Mathematics	3 credits

Spring Semester

All of:

AGRI 1299	Food System Field Analysis	1 credit
BIOL 1210	Introductory Biology II	4 credits
ENVI 1206	Environmental Chemistry II	4 credits
ENGL 1100	Introduction to University Writing	3 credits

And one of:

POST 1100	Sustainability: Analysis and Ethics	3 credits
PHIL 1110	Confronting Moral Issues: Introduction to Ethics	3 credits
PHIL 1112	Environmental Ethics	3 credits

Year Two

Fall Semester

All of:

AGRI 2190	Plant Science	3 credits
BIOL 2322	Ecology	4 credits
PHYS 1400	Energy, Environment, Physics	3 credits
GEOG 2250	The City	3 credits

And one of:

POST 2100	Sustainability and Government	3 credits
POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits

Spring Semester

All of:

MATH 1115	Statistics I	3 credits
AGRI 2220	Soil Stewardship and Management	4 credits
AGRI 2230	Sustainable Human Economy	3 credits
AGRI 2240	Ecologically Based Pest Management	3 credits

Year Three

Spring Semester*

All of:

AGRI 3225	Experimental Design and Analysis (under development)	3 credits
AGRI 3260	Animal Agriculture (under development)	3 credits
AGRI 3270	Olericulture (under development)	3 credits
AGRI 3280	Pomology (under development)	3 credits
AGRI 3290	Agro-Ecosystems Management I (under development)	3 credits

Summer Semester*

All of:

AGRI 3390	Agro-Ecosystems Management II (under development)	6 credits
AGRI 3398	Crop Physiology and Ecology (under development)	3 credits
AGRI 3399	Research Project I (under development)	3 credits
An elective† course (any course numbered 1100 or higher of 3 or more credits)		3 credits

* **Note:** Courses in Year Three follow the agricultural season and progression of agricultural practices.

Year Four

Fall Semester

All of:

AGRI 3135	Business of Agriculture (under development)	6 credits
AGRI 4190	Agro-Ecosystems Management III (under development)	3 credits

Two elective† courses (numbered 1100 or higher of 3 or more credits)

Spring Semester

All of:

AGRI 4298	World Trends in Agriculture (under development)	3 credits
AGRI 4299	Research Project II (under development)	3 credits
AGRI 4295	Internship (under development)	3 credits

An elective† course (any course numbered 1100 or higher of 3 or more credits) 3 credits

†**Note:** One of the elective courses must be an ENGL course or a course meeting writing-intensive guidelines.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Applied Science in Sustainable Agriculture**.

Urban Ecosystems: Bachelor of Horticulture Science Major

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	September January
Admission Type	Selective entry
Enrolment Type	Open enrolment
Program Type	Undergraduate
Credential Granted	Baccalaureate Degree
Offered At	Langley
Format	Full-time Part-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This Bachelor of Horticulture Science major is an interdisciplinary program that combines horticulture, business, mathematics, biology, chemistry, and student selected general education. Students combine the science and practice of horticulture to resolve community, industry, and research related problems. Innovation and creative thinking are important essential skills that students gain through research and enterprise projects. A major program theme is the relationship between horticulture, our communities, and our environment.

The Bachelor of Horticulture Science program has the following strengths:

- Customized education through the selection of electives that support learner educational goals
- Emphasis on the economic, environmental, and social components of sustainability
- Strong connections with horticulture industry and community groups
- Development of essential skills such as teamwork, creative thinking, problem solving, and communication
- Capstone research courses which include business planning and the application of new skills to a community based issue
- Required work experience in the first two years

Urban Ecosystems students study the impacts of horticultural activities in the urban environment. Students will learn how to assess the characteristics of urban ecosystems as they relate to landscape function and health. Outcomes include the ability to monitor and analyze the impact of horticultural activities on the local environment, correct inefficient or ineffective landscapes, and install landscape features that contribute positively to a sustainable community. Of particular interest is the study of the functional urban greenspaces at the edges of residential, industrial, agricultural, and natural habitats.

Students may have the opportunity to engage in international studies.

STUDENT PROFILE

Individuals interested in improving the quality of our urban environment are encouraged to apply. This program will appeal to students who are interested in an applied science program where they will analyze problems and implement solutions to enhance and protect our greenspace. Students interested in the effects of varied societal perspectives on public policy development and the implementation of sustainable practices in urban greenspaces will find this program of value.

CAREER OPPORTUNITIES

Upon completing this Bachelor of Horticulture Science Major, graduates will be qualified to compete for:

- Technical positions in the Environmental Sector of the Economy
- Landscape and Grounds Maintenance Contractors
- Urban Horticulturists
- Technical Representatives for Horticulture or Agriculture Supply Companies
- Parks Managers
- Specialized Horticulture Enterprises (i.e. Green Roof Installation and Maintenance)
- Landscape Architecture (B. Sc. Hort. as a potential qualifying program)
- Graduate studies in Horticulture or related fields (subject to specific graduate school admission requirements)

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply:

- English 12 with a B grade (or equivalent)
- Principles of Math 11 with a C grade (or equivalent)
- Chemistry 11 with a C+ grade (or equivalent)

Students who have not completed Principles of Math 12 or Precalculus 12 (or equivalent) with C+ or better will need to take MATH 1117 as part of the Bachelor of Horticulture Science Major in Urban Ecosystems program.

Note: KPU Horticulture Technology Diploma students may apply completed equivalent coursework towards the program requirements that are outlined below.

PROGRAM REQUIREMENTS

The Bachelor of Horticulture Science, Major in Urban Ecosystems consists of 122 credits of course work including a minimum of 33 HORT 3000 or 4000 credits.

Urban Ecosystems Major

YEAR 1

All of:

CBSY 1105	Introductory Computer Applications	3 credits
ENGL 1100	Introduction to University Writing	3 credits

HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils and Growing Media	3 credits
HORT 1110	Introduction to Sustainable Horticulture	3 credits
HORT 1155	Introduction to Plant Identification	3 credits
HORT 1217	Foundations of Plant Health	3 credits
HORT 2302	Horticulture Work Experience	1 credit

Plus:

9 credits of HORT electives at 1000 or 2000 level, see list below 9 credits

YEAR 2

All of:

BIOL 1110	Introductory Biology I	4 credits
BUSI 1205	Supervisory Skills	3 credits
BUSI 1209	Business Management in Horticulture	3 credits
ENVI 1106	Environmental Chemistry I	4 credits
HORT 2306	Work Experience Report	1 credit

Plus one of:

HORT 2308	Landscape Pest Management	3 credits
HORT 2333	Turfgrass Pest Management	3 credits
HORT 2378	Production Horticulture Pests	3 credits

Plus:

12 credits of HORT electives at 1000 or 2000 level, see list below 12 credits

YEAR 3

All of:

HORT 3210	Applied Urban Ecosystems	3 credits
HORT 3230	Urban Watershed Planning	3 credits
HORT 3250	Monitoring, Inventory, and Assessment of Plant Communities	3 credits
HORT 3251	Landscape and Environment 1	3 credits
HORT 3270	Urban Agriculture	3 credits

Plus:

9 credits of HORT electives at 2000 level or higher, see list below 9 credits

Plus:

6 credits of Breadth electives 6 credits

YEAR 4

All of:

HORT 4231	Riparian Management	4 credits
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HORT 4252	Landscape and the Environment: Applications	3 credits
HORT 4253	Urban Ecology	3 credits
HORT 4440	Vegetation Management	3 credits
HORT 4480	Society and Horticulture	3 credits
HORT 4810	Applied Research Project 1	3 credits
HORT 4820	Applied Research Project 2	3 credits
PHIL 3033	Business Ethics	3 credits

Plus:

6 credits of Breadth electives 6 credits

HORT Electives

HORT electives 1100 or higher must equal a total of 30 credits, 9 credits of which are at the 2000 level or higher. These courses can be selected from the HORT list of courses below.

HORT 1118	Basic Machinery Operation and Maintenance	3 credits
HORT 1124	Landscape Gardening Methods	3 credits
HORT 1132	Turf Maintenance Operations	3 credits
HORT 1172	Forest Seedling Production	2 credits
HORT 1193	Crop Production Practices	3 credits
HORT 1224	Landscape Drafting	3 credits
HORT 1230	Sustainable Turf Management	3 credits
HORT 1232	Sports Turf Management Practices	3 credits
HORT 1240	Arboriculture I	3 credits
HORT 1246	Plant ID for Production	1.5 credits
HORT 1255	Plant Identification 2	1.5 credits
HORT 1261	Plant Propagation	3 credits
HORT 1293	Crop Production Operations	3 credits
HORT 2327	Sustainable Landscape Design I	3 credits
HORT 2330	Turfgrass and Environmental Stress	3 credits
HORT 2334	Irrigation, Drainage and Lighting	3 credits
HORT 2355	Plant Identification 3	3 credits
HORT 2375	Production Facilities and Equipment	3 credits
HORT 2393	Crop Production Performance	3 credits
HORT 2412	Landscape Estimating and Contract Administration	3 credits
HORT 2426	Landscape Construction	3 credits
HORT 2427	Sustainable Landscape Design II	3 credits
HORT 2432	Grounds Machinery Maintenance	3 credits

HORT 2436	Golf Course Management	3 credits
HORT 2437	Golf Course Irrigation Systems, Designs, and Operations	3 credits
HORT 2442	Arboriculture II	3 credits
HORT 2463	Nursery Production	3 credits
HORT 2473	Greenhouse Environment and its Control	3 credits
HORT 2477	Production Management	3 credits
HORT 2479	Spring Floriculture	3 credits
HORT 2490	Organic Greenhouse Crop Production	3 credits
HORT 2493	Crop Production Development	3 credits

Breadth Electives

Breadth electives (12 credits) may come from fields or courses not regarded as horticulture courses. CMNS 1140 can be used as a breadth course.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Bachelor of Horticulture Science, Major in Urban Ecosystems**.

Faculty of Trades & Technology

Welcome to the Faculty of Trades and Technology.

DEAN:

Terry Han

Phone: 604.598.6011 (general inquiries)

IN THIS SECTION:

- About the Faculty of Trades & Technology
- Advanced Farrier Training: Certificate
- Appliance Servicing: Certificate
- Automotive Service Technician: Certificate (Foundation)
- Carpentry/Building Construction: Citation (Foundation)
- Computer Aided Design & Drafting: Diploma
- Construction Electrician: Citation (Foundation)
- Masonry: Citation (Foundation)
- Metal Fabrication/Fitter: Citation (Foundation)
- Millwright/Industrial Mechanic: Citation (Foundation)
- Outdoor Power Equipment Technician: Citation
- Parts & Warehousing: Citation (Foundation)
- Plumbing: Citation (Foundation)
- Power Line Technician: Citation
- Public Safety Communications: Certificate
- Trades Innovation: Bachelor of Technology
- Welding Foundation: Certificate
- Welding Level 'A' : Citation
- Welding Level 'B': Citation

Technology Programs

Technology programs are designed for students seeking to combine solid academic preparation with applied skills in a particular area. We offer technology programs in Advanced Farrier Training, Computer Aided Design & Drafting, and Public Safety Communications. Program schedules are available on the web at kpu.ca/trades/program_schedules.

Trades Programs

Foundations programs are designed to provide entry-level skills and knowledge to those wishing to begin their career in a specific trade. Students successfully completing a foundations program are eligible for industry sponsorship into Level 2 of their respective Apprenticeship option. Program schedules are available on the web at kpu.ca/trades/program_schedules.

APPRENTICESHIP TRAINING

Apprenticeship is a government and industry endorsed approach to education that encourages individuals to work in a relevant field while they learn and refine their skills. The individual combines on-the-job, hands-on training with class learning. The on-the-job component, where the apprentice is learning by doing while they earn a pay cheque represents approximately 80% of the total time commitment. The in-class components generally occur at intervals over a four year period and make up the complimentary part of the program. At each level an apprentice must pass industry exams, which have both practical and theoretical

components, in order to advance. When the apprentice has passed all levels and completed the on-the-job requirements, he/she is awarded the "journey-person" qualification.

KPU offers in-school apprentice technical training in various skilled trades; details are available in the Apprenticeship Program section.

Program schedules are available on the web at kpu.ca/trades/program_schedules.

INDUSTRY SERVICE PROGRAMS

The Faculty of Trades & Technology also offers a selection of industry service courses and professional programs. We are also able to respond to training requests to meet the needs of industry and/or their employees. For more information about these offerings, please see the Faculty web site (kpu.ca/trades).

Advanced Farrier Training: Certificate

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Certificate
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This nine-month program is offered in three blocks of three months each and prepares students to work competently as qualified farriers. Students may complete one or two training blocks, leave the program to gain work experience, and return to finish the remainder of the program. The program aims to meet the continuing demand for qualified farriers in BC.

STUDENT PROFILE

Students come from all over BC and from other parts of North America. They have had experience working with horses and have decided to become self-employed farriers. They are of all ages; some are recent high school graduates, while others plan to make this trade a second career. Both women and men have succeeded in the program and in this trade.

Physical fitness, strong knees and a healthy back are essential for a successful career in this trade. Students who may have concerns with the physical, intellectual or emotional demands of this program should contact the Program Coordinator at 604.598.6177 to discuss required skills and competencies and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

The program accommodates a wide range of students, from those just entering the trade to those with several years of experience who wish to upgrade their skills and knowledge. With the permission of the instructor, experienced farriers may also enter the program for short periods to hone and extend their skills and knowledge.

CAREER OPPORTUNITIES

This is a demanding occupation and a large measure of individual initiative is required to make it a success. The rewards of being self-employed, meeting people and doing a meaningful and satisfying job are significant. Financial remuneration is comparable to many other trades.

Students who complete the Basic Level of the program will be able to assist a qualified farrier in minor tasks. Those who complete the Intermediate Level will be able to undertake most tasks of the trade under the close supervision of a qualified farrier. Those who complete the Advanced Level will be able to perform

most jobs with minimal supervision. Students who complete all three levels of the program may be able to operate independently and become self-employed. However, until graduates have had several years experience in the trade, they will probably need to refer complicated tasks to farriers with more experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Students must submit two references verifying experience in handling horses

PROGRAM REQUIREMENTS

This nine-month program is offered in three blocks of three months each. The course work for each block is divided into three levels: Basic, Intermediate, and Advanced. Students may enter the program at any level in September, January or April. Thus each class will contain students at each of the three levels. The program includes the following courses:

Basic Level

FARR 1121	Introduction to Farriery	2 credits
FARR 1122	Introduction to Equine Anatomy	3 credits
FARR 1123	Introduction to Equine Management for Farriers	2 credits
FARR 1124	Introduction to Forge Work	2 credits
FARR 1125	Introduction to Horse Hoof Trimming	2 credits
FARR 1126	Introduction to Forging Horseshoes	2 credit

Intermediate Level

FARR 1221	Intermediate Farriery	2 credits
FARR 1222	Physiology of the Equine Leg and Hoof	2 credits
FARR 1223	Equine Hoof Trimming (under development)	2 credits
FARR 1224	Intermediate Horseshoe Forging	3 credits
FARR 1225	Intermediate Horseshoeing	3 credits

Advanced Level

FARR 1321	Advanced Farriery	2 credits
FARR 1322	Equine Disease and Lameness	2 credits
FARR 1323	Farrier Podiatry	3 credits
FARR 1324	Advanced Horseshoeing	5 credits

OTHER INFORMATION

Special Equipment

Students pay approximately \$2000.00 for tools, which must be purchased by the end of the first week of classes. A list of supplies will be provided.

Students will require appropriate steel-toed safety boots, safety glasses, hearing protection, and current tetanus immunization.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Advanced Farrier Training**.

Appliance Servicing: Certificate

Faculty of Trades and Technology	kpu.ca/trades
Appliance Servicing	kpu.ca/trades/appliance_servicing
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Certificate
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This nine-month program is designed to prepare students for employment in the appliance service industry. Students will learn to diagnose and repair major and small household appliance faults through customer consultation, checking controls, reading schematic diagrams and working with hand tools. Additional theory and practices prepare students to write the BC Provincial "C" Gas Certificate. During the program students will participate in a work experience practicum with current industry technicians.

Students who complete the Foundation are eligible for credit in Foundation (level 1), Level 2, and Level 3 of the Appliance Service Technician apprenticeship in-school technical training and 525 work-based hours. Upon completion of the program students will be eligible to write the Certificate of Completion (COC) and the Red Seal Inter-provincial examination. The Red Seal endorsement will be awarded upon completion of 7200 work-based training hours and is recognized in all jurisdictions across Canada.

STUDENT PROFILE

This program is suited for individuals that enjoy customer consultation, working independently, compiling information and problem solving. Physical demand can vary; there is a considerable amount of standing, stooping, kneeling and manual dexterity. Additional information is available at: kpu.ca/trades/appliance_servicing.

CAREER OPPORTUNITIES

This program prepares graduates for employment in appliance service companies which may lead to employment in commercial food services, electrical, commercial refrigeration and the HVAC industry. Many experienced appliance service technicians can start their own sub-contracting and independent business.

Employment opportunities in this field may be found with department stores, factory service outlets, independent service shops and authorized service depots. Outside of appliance servicing, opportunities are available with companies who service electromechanical products. Many graduates have started their own businesses. To enhance employment, graduates may require a driver's license, and may need to be bondable.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or
 - Completion of KPU's Trades reading test with a minimum score of 75%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics Assessment with a minimum threshold score of 31%

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Safety with respect to appliance servicing
- The tools of the trade
- The fundamentals of electricity
- Customer relations
- Diagnose motors used in appliances
- Basic electronics for appliances
- Electric clothes dryers
- Standard and self-cleaning ranges/wall ovens including electronic models
- Automatic clothes washers
- Automatic electric dishwashers
- Garbage disposers, garbage compactors, electric water heaters
- Microwave ovens
- Household refrigerators including electronic models
- Freezers
- Air conditioners
- BC Provincial "C" Gas Certificate
- 2 Week Work Practicum

Required Courses:

APPL 1110	Basic Electricity	5 credits
APPL 1115	Basic Electronics	1 credits
APPL 1125	Electric Dryers	3 credits
APPL 1130	Electric Ranges: Standard and Self-Cleaning	5 credits

APPL 1215	Automatic Electric Dishwashers	3 credits
APPL 1210	Automatic Washers	5 credits
APPL 1120	Ancillary Products	1 credits
APPL 1230	Microwave Ovens	1.5 credits
APPL 1220	Basic Refrigeration and Domestic Air Conditioning	5.5 credits
APPL 1235	B.C. Provincial "C" Gas Certificate	2.5 credits
APPL 1225	Work Experience Practicum	1.5 credits

OTHER INFORMATION

Special Equipment

Students will require various tools including a multimeter; in addition to safety equipment such as steel-toed safety shoes.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Appliance Servicing**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Automotive Service Technician: Certificate (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Automotive Service Technician	kpu.ca/trades/auto
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Certificate
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 30 week program prepares students for employment as an apprentice Automotive Service Technician. Students will develop practical skills by repairing customer vehicles in a fully operational auto repair shop on the Cloverdale campus. This training will enhance students' knowledge and skills in shop safety, inspection, diagnostics, repair and servicing of mechanical, electrical and electronic systems for automobiles and light trucks.

At the end of the Foundation program students will write the Auto Service Technician Level 1 Certificate of Qualification (COQ) exam. Students who complete the Foundation program and COQ exam are eligible for credit in Automotive Service Technician Level 1 apprenticeship program and 450 work-based training hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Automotive Service Technician Apprentice in-school technical training levels 2, 3 and 4.

STUDENT PROFILE

This program is suited for individuals that have a mechanical aptitude, are detail oriented and enjoy problem solving. Physical demand can vary; there is a considerable amount of standing, reaching, lifting and need for steady hand-eye coordination to use hand tools. Additional information is available on our program website at: kpu.ca/trades/auto

CAREER OPPORTUNITIES

This program prepares graduates for employment in motor vehicle dealers, garages, truck and trailer dealerships, fleet maintenance companies, service stations, automotive specialty shops, transportation companies and retail establishments which have automotive service shops.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or
 - Completion of KPU's Trades reading test with a minimum score of 75%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 44%
- Interview by an instructor

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Measuring Instruments
- Shop Safety Practices
- Shop Tools and Equipment
- Fuel Systems
- Engine Theory and Repair
- The Drive Line
- Emission Control Systems
- Brakes and Tires
- Ignition Systems
- Steering Systems
- Electronic Engine Management
- Frame and Suspension Systems
- Standard Transmission and Differentials

Required Courses

ASTA 1100	Safety, Communication, Tools and Fasteners	3 credits
ASTA 1110	General Automotive Services	1.5 credits
ASTA 1120	Electrical Fundamentals, Diagnosis and Repair	6.5 credits
ASTA 1130	Steering, Frames, Suspension and Wheel Alignment	6.5 credits
ASTA 1140	Automotive Braking Systems	5 credits
ASTA 1150	Welding	1 credit

ASTA 1160	The Internal Combustion Engine	1.5 credits
ASTA 1170	Power Train Fundamentals	2.5 credits
ASTA 1180	Engine Management and Control Systems	5 credits

Note: Students must achieve 70% (B-) or better in all practical exams and tests to graduate from this program.

OTHER INFORMATION

Special Equipment

Students will require appropriate steel-toed safety shoes or boots and safety glasses.

Foundation level service technician students must supply their own general hand tools complete with lockable toolbox; approximate cost is \$750.00. The list will be forwarded to the student on acceptance to the program. In addition, a \$200.00 clothing fee will be assessed for coverall provision and cleaning.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Automotive Service Technician**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Carpentry/Building Construction: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 24 week program prepares students for employment as a carpenter apprentice. Students will develop practical skills through an organized approach to safety, building codes and the use of hand and power tools. Practical projects are performed in indoor and outdoor environments to provide opportunities to erect, install, maintain and repair structures and components of structures made of wood, wood substitutes and other materials.

At the end of the Foundation program students will write the Carpentry Level 1 exam. Students who complete the Foundation program and exam are eligible for ITA credit in Carpentry Level 1 apprenticeship and 450 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Carpentry Apprenticeship in-school technical training levels 2, 3 and 4.

STUDENT PROFILE

This program is suited for individuals that like to analyze, build and assemble structures from drawings and sketches. Physical demand can vary; there is a considerable amount of standing, bending, lifting and need for hand-eye coordination. Additional information is available at: kpu.ca/trades/carpentry.

CAREER OPPORTUNITIES

This program prepares graduates for employment with construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments. Progression to supervisory positions is possible with additional training and experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or
 - Completion of KPU's Trades reading test with a minimum score of 80%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 31%
- Interview by an instructor

Notes:

- Completion of high school shop courses is an asset.
- International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Safe work practices
- Basic hand tools
- Basic power tools
- Pneumatic tools
- Powder actuated tools
- Blueprint reading and basic estimating
- Basic leveling (builders level)
- Introduction to concrete
- Concrete quantity calculating
- Concrete forms
- Floor framing
- Wall framing
- Roof framing
- Stair calculating and building

Required Courses

CARP 1102	Safe Work Practices	2 credits
CARP 1104	Hand and Power Tools	3 credits
CARP 1109	Building Materials, Codes and Drawings	3 credits
CARP 1115	Building Site Layout and Leveling	2 credits
CARP 1119	Building Residential Concrete Formwork Systems	2.5 credits
CARP 1125	Floors, Walls & Ceilings: Residential Framing Systems	3.5 credits
CARP 1130	Roofs & Stairs: Residential Framing Systems	3.5 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear in conformance with WorkSafeBC regulations and includes safety glasses, steel toed boots, hard hat and hearing protection. A list of required tools will be provided by Admissions upon acceptance to this program.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Carpentry/Building Construction**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Computer Aided Design & Drafting: Diploma

Faculty of Trades and Technology	kpu.ca/trades
Drafting / CADD Technologies	kpu.ca/trades/cadd
Implementation Date	01-Sep-2011
Start Date(s)	September January May
Admission Type	Selective entry
Enrolment Type	Open enrolment Limited enrolment
Program Type	Undergraduate
Credential Granted	Diploma Certificate Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Computer Aided Design & Drafting (CADD) Diploma program is designed to develop and enhance practical skills; increasing students' knowledge for a successful CADD career.

Throughout the program students will design and draft various projects that are produced in digital and physical models. Students will obtain extensive experience utilizing AutoCAD and BIM softwares.

This program offers students two unique ways to approach their learning. First, students may choose from several specialties including:

- Architectural
- Structural
- Mechanical

Second, the program offers students three options for their studies:

- Diploma in Computer Aided Design and Drafting
- Certificate in Computer Aided Design and Drafting
- Citation in Computer Aided Design and Drafting

The Certificate, and Citation are embedded within the diploma. They allow students who do not wish to pursue a diploma in CADD to have an optional exit point after two or one semester of coursework. Additional information is available from our program website at: kpu.ca/trades/cadd.

Specialties

After successful completion of the CADD Core (first semester, Citation) students will choose their Specialty. Specialties are not offered every semester, therefore students are asked to consult with the CADD Program Chair through the Specialty selection planning process.

ARCHITECTURAL

Normally offered in the Fall semester, students prepare sets of drawings to graphically convey design and dimensional

information to meet the qualifications for a building permit in residential, commercial and institutional applications.

Architectural CADD/Drafting graduates create 3D models and 2D drawings for residential, commercial and government buildings. They may pursue an entry level position in a variety of employment situations such as an Architectural design office, a manufacturing company of prefabricated buildings or trusses, a construction company, a kitchen/cabinet design company, a municipal office, or a company that specializes in single and multi-family residential plans.

STRUCTURAL

Normally offered in the Spring semester, students prepare sets of drawings to graphically convey design and dimensional information for concrete, steel and timber structures, site preparation and precast concrete. Structural CADD/Drafting graduates create 3D models and 2D drawings for steel, concrete, and wood structures. They also prepare site drawings. Graduates may pursue an entry level position in a variety of employment situations such as an engineering office, a municipal office, or a steel fabrication shop. Structural graduates work on structures for Architectural, Industrial, Highway, Railway and Marine facilities.

MECHANICAL

Normally offered in the Summer semester, Mechanical CADD/Drafting graduate students create 3D models and 2D drawings that detail industrial layouts such as conveyors and process piping, and manufacturing information for component assemblies and details. Graduates may pursue entry-level positions in a variety of engineering firms, product design companies, construction companies or in fabrication shops. Graduates may work closely with machinists and fabricators to perfect the design, and to establish efficient production and installation procedures.

MULTIPLE SPECIALTIES

Students may take more than one Specialty and obtain more than one certificate. In doing so, students should be aware of the university's policy on second credentials (Policy L.5: Requirements for Graduation). See kpu.ca/policies.

OTHER SPECIALTIES

The CADD Department has courses developed for Electrical, Industrial, Manufacturing and Civil. These courses may be run as Special Purpose courses when there is sufficient demand. Please contact the CADD Department Chair at 604-598-6123 for more information.

Options

DIPLOMA IN COMPUTER AIDED DESIGN AND DRAFTING

The Diploma enables students to acquire advanced technical writing skills, Math skills and Physics skills, and to acquire technical skills in document control, web portfolio and CADD customization, sustainable design project management, and networking. These CADD courses are offered in the evening to facilitate certificate and advanced certificate graduates who are working in their industry.

CERTIFICATE IN COMPUTER AIDED DESIGN AND DRAFTING

The Certificate prepares students for an entry level position as a CADD Drafting technician in the chosen Specialty. Using the most advanced CADD (Computer Aided Design & Drafting) software and 3 dimensional (3D) software, students will learn to produce drawings from concept sketches, design information, codes and

specifications as per industry standards for production by builders and manufacturers.

CITATION IN COMPUTER AIDED DESIGN AND DRAFTING

The Citation incorporates the CADD Core which prepares students for the Specialty semester.

CAREER OPPORTUNITIES

CADD/Drafting graduates may pursue a career in a variety of employment situations in architectural, engineering, manufacturing or municipal offices, or in a production / construction setting.

After a few years in CADD/Drafting many of our graduates move on to positions in sales, customer service, production management, estimating, CADD and network management and contract services (self-employment). Responsibilities can include design team management, project management of small projects, and production scheduling.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Satisfy the Math requirement with one of:
 - Principles of Mathematics 11 with a minimum grade of C (or equivalent)
 - Pre-Calculus 11 with a minimum grade of C (or equivalent)
 - Foundations of Mathematics 11 with a minimum grade of C (or equivalent)
 - KPU MATH 1093, MATH 1117 or PSPM 1082 with a minimum grade of grade of C (or equivalent)
 - KPU MATQ 0011 or MATP 1011 or MATQ 1099 with a minimum grade of C (or equivalent)
 - Appropriate placement by the CADD Math Placement Test

Note: Students wishing to complete the Diploma program without having to undertake any preparatory courses must enter with English 12 – B (or equivalent), and one of Pre-calculus 12 – C; Principles of Math 12 – C; Pre-calculus 11 – B; or Principles of Math 11 – B (or equivalent).

Students with mental or physical impairments, who may require program accommodations, should contact the Department Chair at 604.598.6123 to discuss required skills and competencies and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

ADVANCED STANDING

Applicants with Drafting 11 and/or 12 from a BC Secondary School can challenge the CADD 1100 course by writing a Qualifying Assessment. There is a nominal fee to write the assessment. Applicants must meet the CADD Program entrance requirements to write the assessment. Contact the CADD Department Chair at 604-598-6123 or email cadd@kpu.ca for more information.

ADDITIONAL REQUIREMENTS

Applicants should have the ability to work well with co-workers as a member of a design team, which includes the ability to

communicate in both written and oral English. The ability to pay attention to detail and the ability to visualize in two- and three-dimensions is an asset.

Program applicants benefit from having basic computer knowledge such as E-mail, Internet, file management, working knowledge of Windows environment, basic operating system functions and text editing.

Applicants can arrange to acquire these basic computer skills ahead of time through Academic Career Preparation upgrading.

PROGRAM REQUIREMENTS

The Diploma in CADD program consists of 63 credits, organized into four semesters. After the first semester, courses are offered as open enrolment. Courses in semesters 3 and 4 are normally in the evening at the Cloverdale campus.

Semester 1 - CADD Core Requirements

All of:

CADD 1100	Drafting Fundamentals	4 credits
CADD 1110	Summative Project	4 credits
CADD 1150	Computer Aided Drafting & Design (CADD) Software	4 credits
CADD 1160	Introduction to Office Procedures and Software	3 credits

Upon successful completion of the Semester 1 CADD Core courses, students are eligible to exit the program and receive a Citation.

Semester 2 - Specialty Requirements

Note: The Specialty schedule is subject to change based on demand and not all specialties are regularly scheduled. Please check online timetable for an up-to-date schedule.

ARCHITECTURAL SPECIALTY

All of:

CADA 1200	Architectural Fundamentals	3 credits
CADA 1210	Single Family Residential	4 credits
CADA 1220	Commercial Buildings	4 credits
CADA 1250	Introduction to Building Information Modeling (BIM) Software for Architectural	4 credits

MECHANICAL SPECIALTY

All of:

CADI 1210	Conveyor Systems	4 credits
CADI 1220	Process Piping	4 credits
CADM 1210	Component Assembly and Details	4 credits
CADM 1250	3 Dimensional (3D) Parametric Solids Modeling Software	4 credits

STRUCTURAL SPECIALTY

All of:

CADS 1200	Introduction to Structural Drafting and Concrete	4 credits
CADS 1210	Structural Steel	4 credits
CADS 1220	Wood Frame and Heavy Timber	4 credits
CADS 1250	Introduction to Building Information Model (BIM) Software for Structural	3 credits

Upon successful completion of the Semester 1 CADD Core courses and one of the Specialties in Semester 2, students are eligible to exit the program and receive a Certificate in their chosen Specialty.

Semester 3 & 4 - Requirements

All of:

BUSI 1210	Essentials of Management	3 credits
CADD 2100	CADD Graphics and Models: Rendering and Animation	4 credits
CADD 2110	Surveying and Site Work	4 credits
CADD 2160	Professional Practice for Design and Drafting	4 credits
CADD 2220	Sustainable Design	4 credits
CADD 2250	CADD Customization and Networks	4 credits
ENGL 1100	Introduction to University Writing	3 credits
MATH 1112	Pre-Calculus Algebra	3 credits
PHYS 1100	Introductory Physics	4 credits

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Diploma in Computer Aided Design and Drafting**.

Upon successful completion of Semester 2 (the Specialty), students are eligible to receive a **Certificate in Computer Aided Design and Drafting** in their chosen specialty.

Upon successful completion of Semester 1 (CADD Core), students are eligible to receive a **Citation in Computer Aided Design and Drafting**.

Construction Electrician: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Electrical (Construction)	kpu.ca/trades/electrical
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 24 week program prepares students for employment as a construction electrician apprentice. Students will acquire breadth of knowledge and develop the necessary habits concerning safety, time and materials management, hand tools and power tools. Various practical projects are performed in a shop environment to enhance students' skills in lay out, assembly, installation, testing, troubleshooting and repairing electrical wiring, fixtures, control devices and related equipment in buildings and other structures.

Students who complete the Foundation program are eligible for ITA credit in Construction Electrician Level 1 apprenticeship and 350 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Electrical Apprenticeship in-school technical training levels 2 and 3.

STUDENT PROFILE

This program is suited for individuals that have strong mathematical and analytical skills, are detail oriented and enjoy troubleshooting. Physical demand can vary; there is a considerable amount of bending, reaching and hand-eye coordinated activities. Additional information is available at: kpu.ca/trades/electrical

CAREER OPPORTUNITIES

This program prepares graduates for employment by electrical contractors and the maintenance departments of buildings and other establishments. Progression to supervisory positions or self-employment is possible; additional training and experience is recommended.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
- Mathematics:
- Interview by an instructor

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Students will acquire the knowledge and skills needed according to the National Occupational Analysis (NOA) for the electrical trade to learn safe job-site practices, acquire appropriate work habits for the industry and learn to read codes and drawings used in the trade, and acquire the essential skills that underlie effective communication and professional attitudes.

Required Courses

ELEC 1100	Basic Skills	2 credits
ELEC 1110	Workplace Safety	1 credit
ELEC 1120	Basic Electrical Theory	5 credits
ELEC 1130	Code and Blueprint Reading	1 credit
ELEC 1140	Electrical Controls	1 credit
ELEC 1150	Installation of Low-Voltage Distribution Systems	10 credits

In order to successfully complete the program, a grade of 70% must be obtained in the theory portion (ELEC 1100, 1110, 1120, 1130, 1140 cumulative), and the practical portion, ELEC 1150.

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear in conformance with WorkSafeBC regulations which includes safety glasses, steel toed boots and hard hat. A list of required tools will be provided by Admissions upon acceptance to the program.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Construction Electrician**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Masonry: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Masonry	kpu.ca/trades/masonry
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 20 week program prepares students for employment as a Mason (Bricklayer) apprentice. A masons' work can be laying a simple wall or installing an ornate exterior on a high-rise building. Students will learn to read blueprints, building codes, industry safety requirements and guidelines for handling hazardous materials. Practical skills are enhanced as students perform outdoor projects utilizing power and hand tools, material moving, constructing simple and ornate walls utilizing a variety of materials such as brick, concrete, glass block, terra cotta and stone.

At the end of the Foundation program students will write the Masonry Level 1 exam. Students who complete the Foundation program and exam are eligible for credit in Masonry Level 1 apprenticeship program and 400 work-based training hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA).

STUDENT PROFILE

This program is suited for individuals that like to build, create and assemble structures from drawings and specifications. Masonry work is physical and performed outdoors; there is a considerable amount of standing, bending, and lifting. Additional information is available at: kpu.ca/trades/masonry.

CAREER OPPORTUNITIES

This program prepares graduates for employment in construction companies and bricklaying contractors. Progression to supervisory positions is possible with additional training and experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements, the following program admission requirements apply:

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or

- Completion of KPU's Trades reading test with a minimum score of 75%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 31%
- Interview by an instructor

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Bricklaying
- Scaffolding
- Bonds and bond patterns; wall structures, terminology, corner layout and construction
- Interpretation of blueprints and working drawings of the construction industry
- Estimation procedures
- Interpretation of specifications
- Walls; solid, hollow, cavity, veneered, composite, reinforced and retaining
- Columns, piers and pilasters in brick and block

Required Courses:

MSRY 1001	History and Communication	1.5 credits
MSRY 1005	First Aid and Safety in the Masonry Trade	2.5 credits
MSRY 1010	Materials in the Masonry Trade	3 credits
MSRY 1015	Mortar, Grout and Layout and Construction in Brick Masonry	2 credits
MSRY 1020	Hand Tools	3 credits
MSRY 1025	Power Tools and Related Equipment	3 credits
MSRY 1030	Basic Blueprint Reading, Estimating and Layout	1 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear (including shoes with steel toe construction, steel shanks, and ankle support) in conformance with Workers' Compensation Board regulations.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Masonry**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Metal Fabrication/Fitter: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Citation in Metal Fabrication	kpu.ca/trades/metal_fabrication
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 23 week program prepares students for employment as a metal fabricator apprentice. Students learn the interpretation of technical drawings and layout of metal components, cutting, burning, sawing, shear, punching, drilling, and shaping of those components, through to assembly and welding or fastening to create the finished product. Practical projects are performed in a shop environment to develop the necessary habits concerning safety, time management, machinery, materials, and work skills necessary for the trade.

Students who complete the Foundation program are eligible for ITA credit in Metal Fabricator Level 1 apprenticeship and 450 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Metal Fabrication Apprentice in-school technical training levels 2 and 3.

STUDENT PROFILE

This program is suited for individuals that have good math and mechanical skills, and who enjoy fabrication and assembly from drawings and sketches. Physical demand can vary; there is a considerable amount of standing, lifting and need for hand-eye coordination. Additional information is available at: kpu.ca/trades/metal_fabrication

CAREER OPPORTUNITIES

This program prepares graduates for employment by structural steel, boiler and plate-work fabrication plants and by heavy machinery manufacturing and shipbuilding companies.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply:

- English:

- English 12 with a minimum grade of 'C' (or equivalent), or
- Completion of KPU's Trades reading test with a minimum score of 80%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 63%

- Interview by an instructor

Notes:

- International student Application for Admission requires approval of the Dean.
- Physics 11 is an asset but not a requirement.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Required Courses:

ENGT 1015	Communication Skills for Trades I	1.5 credits
MATT 1015	Mathematics/Science for Manufacturing and Mechanical Trades 1	3.0 credits
MFAB 1100	Safe Working Procedures	2.5 credits
MFAB 1110	Trade-specific Tools	2.0 credits
MFAB 1115	Basic Stationary Power Equipment	2.0 credits
MFAB 1120	Oxy-fuel and Cutting Equipment	2.0 credits
MFAB 1125	Welding for Metal Fabrication	2.5 credits
MFAB 1130	Read Basic Drawings	2.0 credits
MFAB 1141	Basic Metal Fabrication	4.0 credits
MFAB 1150	Metallurgy Theory	1.5 credits

OTHER INFORMATION

Special Equipment

Students will require appropriate personal safety equipment, including high-top steel-toed safety boots, safety glasses, safety gloves, welding gloves, respirator (silicone half-mask type with cartridges for organic vapours and particulate filters) and cotton coveralls. Students are also required to have hand tools and a tool box for shop use. They will be provided with instruction on hand tool requirements and a list of tools required for practical work.

CREDENTIAL AWARDED

Upon successful completion of the program, students are eligible to receive a **Citation in Metal Fabrication/Fitter** and a Metal Fabricator's Logbook.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Millwright/Industrial Mechanic: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Millwright	kpu.ca/trades/millwright
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 24 week program prepares students for employment as an Industrial Mechanic (Millwright) apprentice. To support career success, students learn trade attributes and employability skills, critical core knowledge, academic components and essential skills. Students are provided ongoing opportunities to apply the practical skills taught throughout the program in hand, power and machine tool use, and perform various shop projects in stationary industrial machinery and mechanical equipment maintenance, troubleshooting, overhauling and installation.

At the end of the Foundation program students will write the Industrial Mechanic (Millwright) Level 1 exam. Students who successfully complete the Foundation program and exam are eligible for ITA credit in Industrial Mechanic (Millwright) Level 1 apprenticeship and 425 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Millwright/Industrial Mechanic Apprentice in-school technical training levels 2, 3 and 4.

STUDENT PROFILE

This program is suited for individuals that have an aptitude and interest in mechanics and math, and enjoy investigation, analysis and problem solving. Physical demand can vary, there is a considerable amount of lifting, bending and manual dexterity. Additional information is available at: kpu.ca/trades/millwright.

CAREER OPPORTUNITIES

Industrial mechanics (Millwrights) are employed in manufacturing plants, utilities and other industrial establishments. Progression to supervisory positions is possible with additional training and experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
- Mathematics:
- Interview by an instructor

Notes:

- International student Application for Admission requires approval of the Dean.
- Physics 11 is an asset but not a requirement.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Hands-on shop experience is the basis on which skills are developed. Various forms of classroom and shop instruction including lectures, labs, shop assignments, team assignments, practical demonstrations, hands-on training, structured projects, individual demonstration of technical skills, and group lectures will be utilized. Also, independent study modules and directed studies modules supplemented with a wide selection of audiovisual material are available where necessary. The program focuses on direct contact between students and faculty. In addition, the expertise of other departments will be utilized to deliver specialized courses.

Speaking the language of the trade is necessary for the graduate in dealing with other trades and service people, distributors and manufacturers. Students will be required to gain proficiency in trade terminology and interpersonal and employability skills.

The student will develop the safe work habits, knowledge and ability required in industry today.

Required Courses:

ENGT 1015	Communication Skills for Trades 1	1.5 credits
MATT 1015	Mathematics/Science for Manufacturing and Mechanical Trades 1	3 credits
MWIN 1101	Millwright Trade Safety	2 credits
MWIN 1105	Print Reading and Sketching	2 credits
MWIN 1111	Measuring and Layout Tools	2 credits
MWIN 1121	Hand Tools and Bench Work	1 credit
MWIN 1131	Power Hand Tools	1 credit
MWIN 1140	Machine Tool Basics	4 credits
MWIN 1150	Machine Tools	2 credits
MWIN 1160	Fasteners and Fittings	1 credit
MWIN 1170	Metallurgy	1.5 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students are required to supply the appropriate personal safety equipment steel-toed safety boots, safety glasses and coveralls.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Millwright/Industrial Mechanic**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Outdoor Power Equipment Technician: Citation

All intakes for this program have been postponed.

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The program is offered Monday through Friday and will commence with the Citation once a year at the beginning of February. The Citation program will be completed in a period of 22 weeks and includes a two week work experience component. Students who complete the Foundation Trades Training (Citation) are eligible for credit for first year apprenticeship technical training.

CAREER OPPORTUNITIES

The outdoor power equipment industry has an ongoing need for skilled and suitably qualified repair technicians. Employment opportunities may be found with franchise dealers, independent service shops, equipment rental firms, golf courses and authorized service depots.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Satisfactory physical health
- Interview with the instructor
- Adequate reading comprehension skills as assessed by Kwantlen Polytechnic University
- KPU's Trades Mathematics test with a minimum threshold percentage of 31%

Students with mental or physical impairments who may require program or practicum accommodations, should contact the Program Coordinator at 604.598.6134 to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Safe work practices
- Trade resources
- Tool use

- Fasteners and fittings
- Servicing and diagnosing equipment
- Maintain good working relationships
- Internal combustion engines basics
- Basic Electricity
- Welding, cutting and brazing

Required Courses

OPET 1100	Safety, Math, & Science for Outdoor Power	2.5 credits
OPET 1116	Maintaining Good Working Relations	4.5 credits
OPET 1120	Tools, Fasteners and Fittings	3 credits
OPET 1130	Electricity & Welding, Cutting, & Brazing	2.5 credits
OPET 1140	Lubrication and Fuel Systems	1.5 credits
OPET 1150	Engines & Service and Repair Equipment	2.5 credits
ENGT 1015	Communication Skills for Trades I	1.5 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate steel-toed safety shoes or boots.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Outdoor Power Equipment Technician**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Parts & Warehousing: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Parts & Warehousing	kpu.ca/trades/ automotive_warehousing
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 20 week program prepares students for employment in the parts and service industry. Utilizing various computerized software applications, students will become knowledgeable in various techniques in inventory management, ordering, billing, identification, processes, and customer service skills. Students will be provided opportunities to apply the practical skills taught throughout the program supporting the Cloverdale campus Auto Service Parts Department.

At the end of the Foundation program students will write the Parts & Warehouse Level 1 Certificate of Qualification (COQ) exam. Students who complete the Foundation program and COQ exam are eligible for credit in Parts or Logistics Level 1 apprenticeship program and 300 work-based training hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Parts Apprentice or Logistics Apprentice in-school technical training levels 2 and 3.

STUDENT PROFILE

This program is suited for individuals who enjoy working with computers, inventory controls, automobiles, commercial or industrial equipment. Additional information is available at: kpu.ca/trades/automotive_warehousing.

CAREER OPPORTUNITIES

Supply chain career opportunities can include manufacturing companies, warehouses, retail and wholesale establishments, mining, forestry and construction companies, repair shops, hospitals and other establishments. Progression to supervisory positions is possible with additional training and experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
- Mathematics:
- Interview by an instructor

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

This program is offered Monday through Friday on a fixed intake basis. The program content encompasses:

- Stock handling procedures (shipping, receiving and inventory control)
- Office procedures and communications
- Standard stock and materials
- Parts Identification (Mechanical)
- Support systems (Mechanical)
- Support systems (Electrical)
- Frames and chassis
- Catalogue types and applications (Electronic, Paper and Fiche)
- Power trains

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

Required Courses:

PRTS 1100	Parts Trade: Introduction and Safety	2 credits
PRTS 1110	Warehousing Tasks and Parts Catalogues	3 credits
PRTS 1120	Counter Duties and Basic Vehicular Systems	4 credits
PRTS 1130	Mechanical Parts Introduction	3 credits
PRTS 1140	Standard Stock, Lubricant and Shop Supplies	2 credits
PRTS 1150	Catalogues and Engine Components	2 credits
PRTS 1160	Engine Support Systems	3 credits

OTHER INFORMATION

Special Equipment

Students will require appropriate steel-toed safety shoes or boots.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Parts and Warehousing**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Plumbing: Citation (Foundation)

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

This 21 week program prepares students for employment as a plumber apprentice. Students will develop the necessary habits concerning safety, time and materials management, hand tools and power tools. Practical projects are performed in a shop environment to enhance students' skills in installation, pipe repair and maintenance, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings.

Students who complete the Foundation program are eligible for ITA credit in Plumber Level 1 apprenticeship and 375 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Plumbing Apprentice in-school technical training levels 2 and 3.

STUDENT PROFILE

This program is suited for individuals that have good math and mechanical skills, manual dexterity and problem solving. Physical demand can vary; there is a considerable amount of standing, bending and lifting. Additional information is available at: kpu.ca/trades/plumbing.

CAREER OPPORTUNITIES

This program prepares graduates for employment by construction companies, plumbing contractors and maintenance departments.

Progression to supervisory positions or self-employment is possible with additional training and experience.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply:

- English:
- Mathematics:

Note: International student Application for Admission requires approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

- Mathematics
- Tools
- Science
- Safety
- Pipes, Valves, Fittings
- Rigging
- Cutting, Soldering and Brazing
- Drafting and Blueprint Reading

Required Courses

PLMB 1101	Safety	2 credits
PLMB 1105	Organization of Work	6 credits
PLMB 1110	Prepare & Assemble Plumbing Components	4 credits
PLMB 1121	Tools & Equipment	5 credits

Note: Students must achieve a 70% (B-) cumulative grade in order to successfully complete the program.

OTHER INFORMATION

Special Equipment

Students will be required to supply their own CSA approved steel-toed safety shoes or boot, CSA approved hard hat, safety glasses, 1" by 25' measuring tape with both imperial and metric measuring units.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Plumbing**.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Power Line Technician: Citation

All intakes for this program have been postponed.

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

The Power Line Technician program is delivered through a partnership between Kwantlen Polytechnic University and the Electrical Industry Training Institute (EITI). This twelve week (12) program will prepare students for entry into the physically demanding and rewarding power distribution industry where technicians are well compensated for their above average skills and competencies. Power Line Technicians participate in the building of overhead and underground power distribution lines as well as service and maintenance tasks.

STUDENT PROFILE

People who enjoy working in the elements and not being confined to a set location will find this trade appealing. Students should be aware that the Powerline Technician trade is a very physically demanding career that includes controlled-risk tasks including pole climbing and working with high voltage power lines.

Note: Students with mental or physical impairments, who may require program or practicum accommodations, should contact the program coordinator to discuss required skills and competencies, and a Disability Advisor [604.599.3233] to ensure appropriate accommodations can be arranged.

CAREER OPPORTUNITIES

Graduates of this program can apply for entry-level positions in the powerline technician trade. They will have employment opportunities with a diverse group of employers including B.C. Hydro, and various independent line contractors and municipalities. It is expected that successful employment in the trade will lead to an apprenticeship agreement with employers and attainment of Journey person Red Seal Certification upon completion of apprenticeship.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Mathematics 11, Physics 11 and English 12 with a minimum grade of C+ in each.
- Interview by EITI instructor to evaluate readiness to meet the demands of the program; EITI will forward their recommendation directly to KPU
- Successfully pass the prescribed entrance examinations
- Grade 12 equivalency is required by the industry. Costs of upgrading, if required are NOT included in tuition and must be arranged prior to graduation.

PROGRAM REQUIREMENTS

Students are required to attain Motor Vehicle Air Brake Certification and obtain a class 3 driver's license independent of this program prior to graduation. Students are required to complete grade 12 Math and Physics upgrade independent of this program prior to graduation.

Delivered by Kwantlen Polytechnic University

Required courses:

PTEC 1101	Electrical Safe Work Practices and Regulations (personal safety section only)	
PTEC 1103	Introductory Computer Skills	1.5 credits
PTEC 1105	Communications and Team Building	1.5 credits

Delivered by the Electrical Industry Training Institute at their training center

Required courses:

PTEC 1101	Electrical Safe Work Practices and Regulations	3 credits
PTEC 1106	Applied Electrical Theory	1.5 credits
PTEC 1107	Electrical Tools and Instruments	1.5 credits
PTEC 1108	Electric Utility Equipment	1.5 credits
PTEC 1109	Basic Rigging and Lifting	1.5 credits
PTEC 1110	Electrical Utility Climbing	3 credits
PTEC 1111	Electrical Overhead and Underground Distribution	2.5 credits
PTEC 1113	Physical Fitness	1 credit

OTHER INFORMATION

Students are responsible for appropriate clothing and footwear as well as textbooks and learning materials.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Power Line Technician**.

Public Safety Communications: Certificate

Faculty of Trades and Technology	kpu.ca/trades
Public Safety Communications	kpu.ca/pscm
Implementation Date	01-Sep-2011
Start Date(s)	September
Admission Type	Selective entry
Enrolment Type	Limited enrolment
Program Type	Undergraduate
Credential Granted	Certificate
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

In 1990, KPU introduced the first Public Safety Communications Program in Canada.

This unique, 8-month program prepares students for a growing industry that requires professionally selected and trained public safety communicators. A public safety communicator's expertise means the difference between life and death for a caller. Rapid technological changes, as well as greater social and cultural diversity, have heightened the need for communicators who can successfully function under considerable pressure. The role of the public safety communicator is that of a "first" First Responder as they are the first point of contact for the public to emergency services. While the duties performed by communicators vary considerably according to the function and structure of the organization, there is a simple common element: the communicator critically links the public to those who provide police, fire, and emergency medical assistance. Students will apply the knowledge they learned throughout the program by performing as Emergency Call Takers and Dispatchers in the Simulated Communications Centre on the Cloverdale campus. Additional information is available from our program website at: kpu.ca/trades/public_safety.

STUDENT PROFILE

A desire to help people is an important qualification for public safety communicators but it does not ensure success in this demanding career. The public safety communicator must have superior computer

skills, multi-tasking abilities, be able to simultaneously manipulate telephones and radios while thinking quickly and critically, and make sound decisions with limited information. The communicator must have excellent listening skills, be assertive but not aggressive, be able to maintain emotional control, and work well in a team setting.

Students must be prepared to work hard, participate actively in all facets of the program, show enthusiasm and commitment, and be willing to accept constructive criticism to attain the skills necessary for employment. Ideally, applicants will have some related education or experience in fields such as victims' assistance or crisis management.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the undergraduate-level English Proficiency Requirement, the following program admission requirements apply.

- Submission of a researched, 500 word essay detailing the job function of a public safety communicator
- Submission of a resume with 3 current, signed letters of reference
- Completion of a criminal record check review through the Ministry of Public Safety and Solicitor General's Criminal Records Review Program
- Achieve keyboarding speed of 40 wpm or higher (students are required to complete 50 wpm to graduate)
- Participation in an orientation interview that includes teamwork exercises and a performance evaluation

Note: A hearing exam, while not mandatory, is recommended as many agencies require them for employment.

Students with mental or physical impairments, who may require program or practicum accommodations, should contact the Program Coordinator at 604.598.6118 to discuss required skills and competencies and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

This intensive Certificate program is organized according to the following learning goals:

- The development of an appropriate level of understanding of practical and theoretical concepts that graduates of the program will be expected to apply in industry.
- The provision of hands-on training in our lab with various communications systems similar to those used in the field. The comprehension of human behaviour patterns and development of the interpersonal skills needed to effectively manage crisis calls, relate to co-workers and supervisors, and cope with on-the-job stress.
- The integration of learning through a wide variety of experiential activities, oral and written presentations, field trips, and agency practica.

Components of the program focus on cultural and societal diversity and is heavily weighted in teamwork.

Courses are kept up-to-date through instructors' professional development, through consultations with the program's advisory committee and with the field generally, and through the procurement of appropriate equipment. Program curriculum is continually updated to industry needs.

Semester 1 – September – December

PSCM 1100	Call Processing*	3 credits
PSCM 1120	Radio Communications*	3 credits
PSCM 1140	Human Behaviour	3 credits
PSCM 1150	Legal & Regulatory Influences	3 credits
PSCM 1280	Public Safety Communications Lab 1*	1.5 credits

PSCM 1400	Emergency Planning*	3 credits
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Semester 2 – January – May

PSCM 1200	Police Communications*	3 credits
PSCM 1240	Human Behaviour II	3 credits
PSCM 1260	Practicum*	3 credits
PSCM 1281	Public Safety Communications Lab 2*	1.5 credits
PSCM 1300	Fire Communications*	3 credits
PSCM 1500	Emergency Medical Communications*	3 credits

* **Note:** Minimum grade of 75% required in order to graduate.

OTHER INFORMATION

Special Equipment

Students will be assessed \$120.00 program equipment fee for specialized headset required in the Cloverdale Simulated Communications Centre.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Public Safety Communications**.

Welding Foundation: Certificate

Faculty of Trades and Technology	kpu.ca/trades
Welding	kpu.ca/trades/welding
Implementation Date	01-Jan-2014
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Certificate
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

Welding Foundation is a 28 week program that prepares students for employment at the entry level. Students will develop the necessary skills and knowledge to work safely and effectively using a variety of welding processes and procedures. Welders operate welding equipment to weld ferrous and non-ferrous metals.

At the end of the Foundation program students will write the Welder Certificate of Completion exam. Students who complete the Foundation program and exam are eligible for ITA credit in Welder Level 1 and Level 2 apprenticeship and 300 work-based hours.

Taking a foundation program can build the skills that employers are looking for. To progress as an apprentice you will need to find an employer who will sponsor your apprenticeship and register with the Industry Training Authority (ITA). When you are ready for career advancement; KPU delivers Welder Apprenticeship in-school technical training levels 3 and Specialty Metals Endorsement.

Apprenticeship and Modular Pathways

There are two pathways for progression beyond the Welding Foundation/Welder C level. Students with an employer sponsor will progress to Welder Apprentice Level 3, followed by the Specialty Metals Endorsement. To apply for Level 3, see Apprenticeship Programs. Students without an employer sponsor will progress to Welder Level B followed by Welder Level A.

STUDENT PROFILE

This program is suited for individuals that have good math, are detailed oriented, and have good hand-eye coordination. Physical demand can vary; there is a considerable amount of standing, lifting, bending. Additional information is available at: kpu.ca/trades/welding

CAREER OPPORTUNITIES

This program prepares graduate for employment by companies that manufacture structural steel and platework, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops. With additional training welders may specialize in certain types of welding such as

custom fabrication, ship building and repair, aerospace precision welding, pressure vessel welding, pipeline construction welding, structural construction welding, or machinery and equipment repair welding.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- English:
 - English 12 with a minimum grade of 'C' (or equivalent), or
 - Completion of KPU's Trades reading test with a minimum score of 75%
- Mathematics:
 - Apprenticeship and Workplace Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Foundations of Mathematics 11 with a minimum grade of 'C' (or equivalent), or
 - Pre-calculus 11 with a minimum grade of 'C' (or equivalent), or
 - KPU's Trades Mathematics test with a minimum threshold percentage of 50%
- Interview by an instructor

Note: International student Applications for Admission require approval of the Dean.

Recommend satisfactory physical health. Prior to applying, prospective students with mental or physical impairments, who may require program accommodations, should contact the Office of the Dean of Trades and Technology to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Our welding program is based on British Columbia Provincial modular training and is consistent with all other training providers in BC. It is designed to combine welding theory and practical skills. Hands-on shop experience is the basis on which skills are developed in the program. The program is designed to accommodate past experience; credit and/or advancement will be given to students who can demonstrate learned skills plus theoretical knowledge.

Required Courses:

WELD 1010	(P-1) Worksite Safety and Orientation	1 credit
WELD 1115	(P-2 & P3) Oxy-Fuel Welding and Cutting	4 credits
WELD 1120	(P-4) Basic Shielded Metal Arc Welding	4 credits
WELD 1130	(P-6) Basic Gas Metal Arc Welding I	4 credits
WELD 1140	(RK-1) Material Handling	1 credit
WELD 1200	(P-5) Air Arc and Plasma Arc Cutting	1 credit
WELD 1210	(P-4) Advanced Shielded Metal Arc Welding	4 credits

WELD 1220	(RK-2) Read Technical Drawings	1 credit
WELD 1230	(P-6) Gas Metal Arc Welding	4 credits
WELD 1240	(RK-3) Basic Metallurgy	1 credit
WELD 1250	(P-1) Stationary Shop Equipment	2 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate personal safety clothing and CSA approved steel toed boots. Safety glasses, hearing protection, leather gloves, leather jacket or apron, welding helmet and cutting goggles are also required. A complete list of tools and equipment will be provided by Admissions upon acceptance to the program.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Certificate in Welding Foundation**.

KPU will report your in-school technical training completion information to the Industry Training Authority in order for the ITA to determine credit towards your designated apprenticeship.

Welding Level 'A': Citation

Faculty of Trades and Technology	kpu.ca/trades
Welding	kpu.ca/trades/welding
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

As of August 2014, applications to this program have been re-opened.

Welding Level 'A' is a 8 week program that provides students with training in low alloy and stainless steel welding. Level 'A' graduates often pursue careers as alloy pressure pipe welders. Registration at the 'A' level requires a combination of technical training and work based field experience. Additional information is available on our program website at: kpu.ca/trades/welding.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that eligible welder apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Apprenticeship and Modular Pathways

There are two pathways for progression beyond the Welding Foundation/Welder C level. Students with an employer sponsor will progress to Welder Apprentice Level 3, followed by the Specialty Metals Endorsement. To apply for Level 3, see Apprenticeship Programs. Students without an employer sponsor will progress to Welder Level B followed by Welder Level A.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Adequate reading comprehension and math skills as assessed by KPU
- Satisfactory physical health
- Completion of level B training plus completion of Weld 2160, Basic Gas Tungsten Arc Welding module, if not completed during Level B training, or successful Level B challenge through ITA
- Interview by an instructor

Students with mental or physical impairments who may require program accommodations, should contact the Program

Coordinator at 604.598.6122 to discuss required skills and competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

PROGRAM REQUIREMENTS

Our welding program is based on British Columbia Provincial modular training. It is consistent with all other training providers in BC. It is designed to combine welding theory and practical skills.

Hands-on shop experience is the basis on which skills are developed in the program. The program is designed to accommodate past experience; credit and/or advancement will be given to students who can demonstrate learned skills plus theoretical knowledge.

Required Courses:

WELD 2200	(P-11) Shielded Metal Arc Alloy Welding	2.5 credits
WELD 2210	(P-12) Advanced Alloy Metallurgy	1 credit
WELD 2220	(RK-8) Gas Tungsten Arc Alloy Welding	3 credits
WELD 2230	(RK-9) Plate and Pipe	1 credit

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate personal safety clothing and CSA approved steel toed boots. Safety glasses, hearing protection, leather gloves, leather jacket or apron, welding helmet and cutting goggles are also required. A complete list of tools and equipment will be provided by Admissions.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Welding Level A** and the Level 'A' training endorsement in their Log Book.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Welding Level 'B': Citation

Faculty of Trades and Technology	kpu.ca/trades
Welding	
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Fixed term
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	Citation
Offered At	Cloverdale
Format	Full-time
How to Apply	www.kpu.ca/admission

DESCRIPTION

As of August 2014, applications to this program have been re-opened.

Welding Level B is a 16 week program that provides students with advanced training in a variety of processes and applications with an emphasis on pipe welding, inspection and standards. Registration at the 'B' level requires a combination of in-school technical training and work-based field experience. Additional information is available at: kpu.ca/trades/welding.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that eligible welder apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Apprenticeship and Modular Pathways

There are two pathways for progression beyond the Welding Foundation/Welder C level. Students with an employer sponsor will progress to Welder Apprentice Level 3, followed by the Specialty Metals Endorsement. To apply for Level 3, see Apprenticeship Programs. Students without an employer sponsor will progress to Welder Level B followed by Welder Level A.

PROGRAM ADMISSION REQUIREMENTS

In addition to KPU's General university admission requirements including the vocational-level English Proficiency Requirement, the following program admission requirements apply.

- Adequate reading comprehension and math skills as assessed by KPU
- Satisfactory physical health
- Completion of Level 'C' training or successful Level 'C' challenge through ITA
- Interview with instructor

Students with mental or physical impairments who may require program or practicum accommodations, should contact the Program Chair at 604.598.6148 to discuss required skills and

competencies, and a Disability Advisor at 604.599.3233 to ensure appropriate accommodations can be arranged.

ITA Requirements

The Industry Training Authority (ITA) requires students in the Welding Level B program to meet the following pre-requisites:

- Welder C Certificate of Qualification, **OR**
- Welder Foundation Certificate of Completion + 1,000 work-based training hours (- hours verified by ITA before Welder B registration accepted), **OR**
- Welder Apprenticeship Levels 1 and 2 + 1,000 work-based training hours

PROGRAM REQUIREMENTS

Our welding program is based on British Columbia Provincial modular training and is consistent with all other training providers in BC. It is designed to combine welding theory and practical skills.

Hands-on shop experience is the basis on which skills are developed in the program. The program is designed to accommodate past experience; credit and/or advancement will be given to students who can demonstrate learned skills plus theoretical knowledge.

Required Courses:

WELD 2100	(P-7) Shielded Metal Arc Pipe Welding	5 credits
WELD 2110	(RK-5) Welding Standards and Testing	1 credit
WELD 2130	(RK-6) Piping Drawings	1 credit
WELD 2150	(RK-7) Alloy Metallurgy	1 credit

And at least one of:

WELD 2120	(P-8) Gas Metal Arc Alloy Welding	2 credits
WELD 2140	(P-9) Advanced Flux Core Arc Welding	2 credits
WELD 2160	(P-10) Basic Gas Tungsten Arc Welding	2 credits

Note: Students must achieve 70% (B-) or better in practical exams and assignments.

OTHER INFORMATION

Special Equipment

Students will require appropriate personal safety clothing and CSA approved steel toed boots. Safety glasses, hearing protection, leather gloves, leather jacket or apron, welding helmet and cutting goggles are also required. A complete list of tools and equipment will be provided by Admissions.

CREDENTIAL AWARDED

Upon successful completion of this program, students are eligible to receive a **Citation in Welding Level 'B'** and the Level 'B' training endorsement in their Log Book.

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Apprenticeship Programs

- Welding: Apprenticeship

Applied skills come from applied experience. Apprenticeships offer exceptional opportunities to work within the construction, forestry, heavy equipment, metal, service, electrical, recreational, manufacturing, mining, transportation and utilities fields.

Apprenticeship Training Overview

There are three major components of apprenticeship training:

- A formal agreement between the employer, apprentice and Industry Training Authority
- In-school technical training
- Work-based training (on-the job)

Role of an Apprentice

Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA) ; more importantly they have made a commitment to learn applied skills both on the job and in school. To enhance your understanding of the requirements to earn certification it is recommended you review the Industry Training Program Profile for your trade on the Industry Training Authority website (www.itabc.ca).

In-School Technical Training

As an apprentice discuss appropriate times with your employer to attend in-school technical training for approximately 6 - 10 weeks per year over a four year period. To progress, an apprentice must meet ITA program requirements for the in-school technical training and standardized level exam that includes both practical and theoretical components. KPU offers in-school apprentice technical training in the skilled trades listed below.

Work-Based Training

All apprenticeship programs have identified work-based training. On-the-job training provides an opportunity for students to apply the theory that they learned through their in-school technical training into practice. Track your hours/work with your sponsor and report this information to the ITA every 6 to 12 month. Review your apprentice transcript on line through ITA Direct Access (www.itadirectaccess.ca) to ensure your information is up-to-date and accurate.

In this section:

You will find details of the KPU apprenticeship programs:

- About Apprenticeship Programs
- Apprenticeship Payments, Refunds and Fee Adjustments
- Apprenticeship Grades and Records
- Arborist Technician: Apprenticeship
- Automotive Service Technician: Apprenticeship
- Building Envelope Technician: Apprenticeship
- Carpentry/Building Construction: Apprenticeship
- Construction Electrician: Apprenticeship
- Industrial Mechanic/Millwright: Apprenticeship
- Landscape Horticulture: Apprenticeship
- Logistics & Distribution: Apprenticeship
- Metal Fabrication: Apprenticeship
- Parts & Warehousing: Apprenticeship
- Plumbing: Apprenticeship
- Production Horticulture: Apprenticeship

Arborist Technician: Apprenticeship

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Langley
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Arborists manage and care for the trees in our urban environment. The arborist technician is the first of three sequential trades credentials in arboriculture. The arborist technician job focuses on work conducted from the ground and in support of the climbing arborist (second credential).

The Arborist Technician Apprenticeship links learning and employment by providing apprentices the opportunity to further their education, while maintaining full-time employment in the arboriculture industry. An apprenticeship is established when an employer and employee complete, sign and register an apprentice and sponsor registration form with the Industry Training Authority (ITA, www.itabc.ca). Apprentices may also apply to the ITA for work based training completed before the apprenticeship is established. Refer to www.itabc.ca for information.

Arborist technician apprentices attend one 8-week long technical training session at the Langley Campus of KPU. Topics include tree and shrub identification, rigging and climbing, pruning, planting, falling, equipment use, and safe work practices. The curriculum used for technical training has been developed and approved by the arboriculture industry.

Journeypersons in arboriculture are in demand. Municipal parks departments and the large private arboriculture industry sector are looking to certified arboriculturist technicians to fill a significant number of ground arborist positions.

Training Dates & Academic Timetable

The proposed technical training schedule can be found at kpu.ca/registration/timetables/trades/hort. The schedule beyond the current year is subject to change www.tradestrainingbc.ca/apprenticeship.

Costs

In addition to applicable tuition fees, students require the following:

- textbooks
- school supplies
- safety footwear
- rain gear

- field trips
- travel
- accommodation and food

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at www.workbc.ca. Information on EI is available at www.servicecanada.gc.ca. It is recommended that eligible apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

STUDENT PROFILE

Students interested in apprenticeship should have a strong desire for hands-on outdoor work, enjoy nature and living things, be concerned about the environment, and have entrepreneurial talents. Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact on their health. Physical fitness and a healthy back is required for a successful career in arboriculture. Apprentices may work with plant protection products.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.
- Class 5 driver's license
- English 10 or better preferred

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Note: AARB courses are assessed Tuition Category 2.b.2 tuition and fees for domestic students.

Arborist Technician Level 1 (AARB 1010)

- The Safety Conscious Arborist (A1, A4-A6, H1-H4)
- Plant Identification (D1, D2)
- Biology, Pruning & Planting (D3-D6)
- Falling and Bucking (E1-E8)
- Rigging and Climbing (F1-F4, G1)
- Tools and Equipment (B1-B4, C1-C4)

CREDENTIAL AWARDED

Upon successful completion of an apprentice level, KPU will report your technical training completion information to the Industry Trade Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Automotive Service Technician: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Automotive Service Technician	kpu.ca/trades/auto
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as an Automotive Service Technician by completing the Automotive Service Technician apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Automotive Service Technician apprenticeship levels 1, 2, 3 and 4. The in-school technical training varies for each level and is 6 to 7 weeks in duration. Upon completion of levels 1, 2 and 3 apprentices with sufficient work-based training hours will be eligible to write the Certificate of Qualification (CoQ) exam. Additional information is available at: kpu.ca/trades/auto.

The pathway to becoming a certified Automotive Service Technician generally takes 4 years to complete the in-school technical training and work-based hours. Apprentices will be eligible to write the Red Seal Inter-provincial Examination upon successful completion of all in-school technical training and 6000 work-based hours. The Red Seal endorsement will be awarded upon completion of all requirements and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you

will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Automotive Service Level 1 (AAST 1010)

- Safe Work Practices
- Wheels, Hubs, Tires and Bearings
- Frames and Suspension Systems
- Manual and Power Steering
- Brake Systems
- Basic Electrical and Batteries

Automotive Service Level 2 (AAST 1020)

- Gasoline Engines
- Diesel Engines
- Cooling Systems
- Exhaust Systems
- Engine Lubrication Systems
- Auxiliary Electrical
- Air Conditioning and HRAI ODS Course
- Diesel Fuel Injection Systems
- Starting Motors and Circuits
- AC Charging Systems

Automotive Service Level 3 (AAST 1030)

- Standard and Electronic Ignition Systems
- Fuel Systems
- Emission Control Systems
- Electronic Engine Controls

Automotive Service Level 4 (AAST 1040)

- Clutches, Standard Transmissions/Transaxles
- Manual Overdrive
- Test and Service Transfer Cases
- Test and Service Automatic Transmissions
- Air Care Program
- Test and Service Drive Lines
- Test and Service Drive Axles and Differentials

OTHER INFORMATION

Special Equipment

Students will require appropriate steel-toed safety shoes or boots and safety glasses.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Building Envelope Technician: Apprenticeship

Intakes for this program have been postponed indefinitely.

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

- Use and Care of Equipment and Tools
- Understand Building Science
- Understand Applied Building Science
- Describe Walls
- Understand Relevant Regulatory Requirements
- Reading Drawings, Plans and Specifications
- Apply Sheathing Membrane
- Install Window and Doors
- Flash Windows, Doors and Other Locations
- Apply Self Adhered Membrane
- Install Strapping
- Apply Sealants
- Apply Cladding

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

DESCRIPTION

A Building Envelope Technician's job is to enclose a house from the foundation up, keeping weather out and warmth in while creating openings for windows, door and utilities. The Building Envelope Technician program provides the skills, training and knowledge you need to become a provincially-recognized, certified tradesperson. The program gives you the skill, training and knowledge to safely install, seal, repair, replace and remove external walls in residential homes, including wall and foundation interfaces, wall and ceiling interfaces, window and door openings, plumbing heat and electrical systems.

GENERAL PREREQUISITES

Apprentices

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to admission (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority prior to applying for admission.

Non-apprentices

- Successful completion of English 11 (or equivalent)
- Successful completion of Mathematics 11 (or equivalent)
- Interview
- Submission of sponsorship application

Note: International student Application for Admission requires approval of the Dean.

PROGRAM REQUIREMENTS

Building Envelope Technician (ARCT 1010)

- Overview of Building Envelope Technician's Work
- Scope & Responsibility
- Use of Safe Work Practices

Carpentry/Building Construction: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Carpentry	kpu.ca/trades/carpentry
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as a Carpenter by completing the Carpentry apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Carpentry apprenticeship levels 1, 2, 3 and 4. The in-school technical training for each level is 6 weeks in duration and include an end of level examination. Additional information is available at: kpu.ca/trades/carpentry.

The pathway to becoming a certified Carpenter generally takes 4 years to complete the in-school technical training and work-based training hours. Carpenter apprentices will be eligible to write the Red Seal Inter-provincial Examination upon successful completion of all in-school technical training. Red Seal endorsement will be awarded upon completion of 6480 hours of work based training and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1

through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Carpentry Level 1 (ACRP 1010)

- Use Safe work Practices
- Use Documentation and Organizational Skills
- Use Tools and Equipment
- Use Survey Instruments
- Perform Site Layout
- Build Concrete Framework
- Frame Residential Housing
- Apply Building Science

Carpentry Level 2 (ACRP 1020)

- Use Safe work Practices
- Use Documentation and Organizational Skills
- Use Tools and Equipment
- Use Survey Instruments
- Use Rigging and Hoisting Equipment
- Perform Site Layout
- Build Concrete Formwork

Carpentry Level 3 (ACRP 1030)

- Use Documentation and Organizational Skills
- Use Tools and Equipment
- Use Survey Instruments
- Frame Residential Housing
- Apply Finishing Materials
- Apply Building Science

Carpentry Level 4 (ACRP 1040)

- Use Documentation and Organizational Skills
- Use Survey Instruments
- Perform Site Layout
- Build Concrete Formwork
- Frame Residential Housing
- Apply Finishing Materials

OTHER INFORMATION

Special Equipment:

Students will require appropriate tools and safety wear in conformance with WorkSafeBC regulations that include safety glasses, steel toed boots, hard hats and hearing protection.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Construction Electrician: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Electrical (Construction)	kpu.ca/trades/electrical
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as a Construction Electrician by completing the Electrical apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Electrical apprenticeship levels 1, 2, and 3. The in-school technical training for each level is 10 weeks in duration and includes an end of level examination. Additional information is available at: kpu.ca/trades/electrical.

The pathway to becoming a certified Construction Electrician generally takes 4 years to complete the in-school technical training and work-based training hours. Electrical apprentices will be eligible to write the Red Seal Inter-provincial Examination upon completion of all in-school technical training. Red Seal endorsement will be awarded upon completion of 6000 work-based training hours and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Electrical Level 1 (AELC 1010)

- Electrical safety fundamentals
- DC circuits
- Electromagnetism & applications
- Meters & test equipment
- Electrical prints & drawings
- AC motor controls
- Electric code & wiring
- Industrial power electronics

Electrical Level 2 (AELC 1020)

- AC fundamentals
- Meters & test equipment
- Single phase AC circuits
- Circuit protector devices
- Single phase transformers
- AC motor controls
- Lighting
- Industrial power electronics
- Electric codes & wiring

Electrical Level 3 (AELC 1030)

- Three-phase Circuits
- Electronic Circuits
- Power Quality Analyzers
- Applying the CEC to Installations
- Installing Service Equipment
- Grounding and Bonding
- Distribution Centres
- Conductors and Cables
- Installing Devices
- Three-phase Transformers
- DC Motors and Generators
- AC Motors and Alternators
- Magnetic Motor Controls
- Electronic Motor Controls

Electrical Level 4 (AELC 1040)

- Under development

OTHER INFORMATION

Special Equipment

Students will require appropriate tools and safety wear in conformance with WorkSafeBC regulations that includes safety glasses, hard hat and steel toed boots.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Industrial Mechanic/ Millwright: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Millwright / Industrial Mechanic	kpu.ca/trades/millwright
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as an Industrial Mechanic/Millwright by completing the Industrial Mechanic/Millwright apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Industrial Mechanic/Millwright apprenticeship levels 1, 2, 3, and 4. The in-school technical training for each level is 7 weeks in duration and includes an end of level exam. Additional information is available at: kpu.ca/trades/millwright.

The pathway to becoming a certified Industrial Mechanic/Millwright generally takes 4 years to complete the in-school technical training and work-based training hours. Millwright apprentices will be eligible to write the Red Seal Inter-provincial Examination upon completion of all in-school technical training.

The Red Seal endorsement will be awarded upon completion of 6400 work-based training hours and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1

through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Millwright Level 1 (AMIL 1010)

- Tools
- Trade Science
- Work Practices
- Cut, Fit and Fabricate
- Install Equipment

Millwright Level 2 (AMIL 1020)

- Trade Science
- Power Transmissions
- Cut, Fit and Fabricate
- Install Equipment
- Lubricants, Seals and Bearings
- Fluid Power

Millwright Level 3 (AMIL 1030)

- Pumps
- Fluid Power
- Power Transmissions
- Install Equipment
- Material Handling Systems

Millwright Level 4 (AMIL 1040)

- Prime Movers
- Trade Science
- Fluid Power
- Work Practices
- Install Equipment
- Compressors
- Operational Equipment Effectiveness

OTHER INFORMATION

Special Equipment

Students are required to supply the appropriate personal safety equipment steel-toed safety boots, safety glasses and coveralls.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Landscape Horticulture: Apprenticeship

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Langley
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Horticulture Apprenticeship links learning and employment by providing apprentices the opportunity to further their education, while maintaining full-time employment in the horticulture industry. An apprenticeship is established when an employer and employee complete, sign and register an apprentice and sponsor registration form with the Industry Training Authority (ITA, www.itabc.ca). Apprentices may also apply to the ITA for work based training completed before the apprenticeship was established. Refer to www.itabc.ca for information. HortEducationBC (HEBC), the horticulture industry training organization, (www.horteducationbc.com) will sponsor individuals for one year which allows them to gain credit for technical training completed within the year.

The apprentice must complete four technical training levels. During each level, Apprentices attend a six-week technical training session for theoretical and practical instruction at the Langley Campus of KPU. The first two levels of the program focus on fundamental horticulture skills and knowledge. Subjects relevant to landscape horticulture operations are the focus in levels three and four.

The curriculum used for technical training has been developed and approved by the horticulture industry. It provides relevant, up-to-date information, and is based on recent technological advances in the horticulture field. Typically one level is completed each year but the opportunity exists to complete multiple levels in a single year depending on apprentice/student interest and the technical training schedule. Landscape Horticulture is a Red Seal Trade which signifies national recognition.

The proposed technical training schedule can be found at kpu.ca/registration/timetables/trades/hort. The schedule beyond the current year is subject to change <http://www.tradestrainingbc.ca/apprenticeship/schedules>.

Journeypersons in landscape horticulture are in demand. Municipal parks departments, golf courses, landscape contractors, and cemeteries often list a journeyperson certification as a minimum requirement when hiring horticulturists.

Transfer from Horticulture Foundation Programs

Graduates of Horticulture Foundation programs receive credit for Levels 1 and 2 of the technical training.

Costs

In addition to applicable tuition fees, students require the following:

- textbooks (purchased at the beginning of Level 1, 3, and 4)
- school supplies
- safety footwear
- rain gear
- field trips
- travel
- accommodation and food

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at www.workbc.ca. Information on EI is available at www.servicecanada.gc.ca. It is recommended that eligible apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Transfer to a Diploma Program

Horticulture apprentices who complete Levels 1 and 2 will receive some credits if they choose to transfer to our Horticulture diploma program. Horticulture journeypersons (Certificate of Qualification) can continue their education in a Horticulture diploma program. Depending on the diploma specialty selected, journeypersons also receive some transfer credits. Journeypersons or apprentices are required to meet KPU's English entrance requirements to enter the diploma program.

STUDENT PROFILE

Students interested in the apprenticeship should have a strong desire for hands-on outdoor work, enjoy nature and living things, be concerned about the environment, and have entrepreneurial talents. Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact on their health. Physical fitness and a healthy back are generally required for a successful career in horticulture. Apprentices may work with plant protection products.

Apprentices in the practical Horticulture Apprenticeship program typically come from a number of horticulture enterprises. For example, they may be working for greenhouse owners, tree removal and maintenance companies, nurseries, golf courses, municipal parks, school boards or landscape maintenance/installation companies.

GENERAL PREREQUISITES

The following requirements apply:

- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to registering (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Technical training is open to any interested person who meets the admission requirements. A minimum of Grade 10 completion is preferred. HortEducationBC (www.horteducationbc.com), the horticulture industry training organization, will indenture individuals in horticulture for one year.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

This program is designed to produce journeypersons with good theoretical and practical training, and experience in the horticulture industry.

Level 1 and Level 2 have the same requirements for both the Landscape Horticulture Apprentice and the Production Horticulture Apprentice. Level 3 and 4 are specialized to each apprenticeship.

Horticulture Apprentice Level 1 (AHCC 1010)

- Plant Materials I - A1
- Supervisory Skills - B1
- Equipment Maintenance - C1
- Plant Science - Morphology D1
- Plant Health - Signs/Symptoms - E1
- Soil Physical Properties - F1
- Horticulture Practices I - H1
- Level I Final Exam

Horticulture Apprentice Level 2 (AHCC 1020)

- Plant Materials II - A2
- Supervisory Skills - B2
- Equipment Maintenance II - C2
- Plant Science - Physiology - D2
- Plant Health - Pests, Diseases - E2
- Soil Chemical Properties - F2
- Horticulture Practices II - H2
- Level II Final Exam

Landscape Horticulture Apprentice Level 3 (AHLN 1030)

- Plant Maintenance III - A3
- Plant Health - Pest Management - E3
- Soil Management in the Landscape - F3
- Plant Care - Pruning - G1
- Irrigation & Drainage Maintenance - I1
- Landscape Estimating - J1
- Turf Maintenance Techniques - L1
- Level III Final Exam

Landscape Horticulture Apprentice Level 4 (AHLN 1040)

- Plant Materials IV - A4
- Plant Health - IPM programs - E4
- Plant Care - Cultural Operations - G2
- Landscape Installation - H3

- Irrigation & Drainage - Design - I2
- Garden Design Principles - K1
- Turf Maintenance Scheduling - L2
- Level IV Final Exam

CREDENTIAL AWARDED

Upon successful completion of an apprentice level, KPU will report your technical training completion information to the Industry Trade Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Logistics & Distribution: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Parts & Warehousing	kpu.ca/trades/ automotive_warehousing
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified Logistics or Distribution Technician by completing the Logistics & Distribution apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

Logistics and Distribution involves the investigation of complaints regarding supply chain issues, the administration and maintenance of a customer complaints program, and the coordination of a customer feedback program. KPU delivers in-school technical training; apprentices complete Parts & Warehousing level 1 followed by Logistics & Distribution apprenticeship levels 2 and 3. The in-school technical training for each level is 3 weeks in duration. Upon each level completion apprentices with sufficient work-based training hours will be eligible to write the Certificate of Qualification (CoQ) exam. This is not a Red Seal program. Additional information is available at: http://www.kpu.ca/trades/automotive_warehousing.html.

Also see: Parts and Warehousing Apprenticeship.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form

through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Students complete either the Parts and Warehousing foundation program or the level 1 Partsperson (via employer sponsorship) in order to proceed to Logistics and Distribution levels 2 and 3 or Partsperson levels 2 and 3.

Partsperson Level 1 (APRT 1010)

- Overview of Warehouse Operations
- Communications and Comprehensive Skills
- Warehouse Safety Skills
- Basic Materials Handling Operations and Procedures
- Materials Handling and Packaging Equipment
- Information Technology in Warehousing

Logistics and Distribution Level 2 (ALOD 1020)

- Transportation and Traffic
- Intermediate Materials Handling Operations and Procedures
- Materials Identification
- Customer Services
- Warehouse Business Operations Measurements
- Communication and Professionalism

Logistics and Distribution Level 3 (ALOD 1030)

- Fundamentals of Warehouse Business Management
- Fundamentals of Purchasing Procedures
- Fundamentals of Inventory Control Procedures
- Fundamentals of Quality Management
- Fundamentals of Workplace Supervisory Skills

OTHER INFORMATION

Special Equipment

Students will require appropriate safety wear in conformance with WorkSafeBC regulations. A list of required tools will be provided by Admissions prior to starting this program.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Metal Fabrication: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Metal Fabrication	kpu.ca/trades/metal_fabrication
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified Metal Fabricator by completing the Metal Fabrication apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Metal Fabrication apprenticeship levels 1, 2, and 3. The in-school technical training for each level is 5 weeks in duration and includes an end of level exam. Additional information is available at: kpu.ca/trades/metal_fabrication.

The pathway to becoming a certified Metal Fabricator generally takes 4 years to complete the in-school technical training and work-based training hours. Metal Fabrication apprentices will be eligible to write the Red Seal Inter-provincial Examination upon completion of all in-school technical training. The Red Seal will be awarded upon completion of 6400 hours of work-based training hours and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Metal Fabrication Level 1 (AMFB 1010)

- Introduction to the Trade
- Use Safe Work Practices
- Solve Trade Mathematics Problems
- Use Trade Tools
- Use Shop Equipment
- Burn and Weld Metals
- Read Drawings
- Use Material Handling Equipment
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Use Surface Preparation and Finishing Methods
- Fabricate Plate and Structural Sections

Metal Fabrication Level 2 (AMFB 1020)

- Solve Trade Math Problems
- Use Shop Equipment
- Burn and Weld Metal
- Read Drawings
- Use Material Handling Equipment
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Projects

Metal Fabrication Level 3 (AMFB 1030)

- Solve Trade Math Problems
- Use Shop Equipment
- Read Drawings
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Sections

Metal Fabrication Level 4 (AMFB 1040)

- Solve Trade Math Problems
- Use Trade Tools and Shop Equipment
- Read Drawings
- Use Structural Layout Techniques
- Develop Plate and Structural Patterns
- Fabricate Plate and Structural Sections
- Describe Basic Metallurgy and Testing Techniques
- Use Testing and Inspection Methods
- On-site Installation

OTHER INFORMATION

Special Equipment

Students will require appropriate tools and safety wear in conformance with WorkSafeBC regulations that includes safety glasses and steel toed boots.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Parts & Warehousing: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified as a Partsperson by completing the Parts apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training; apprentices complete Parts & Warehousing level 1 followed by Parts apprenticeship levels 2 and 3. The in-school technical training for each level is 3 weeks in duration. Upon completion of level 1 and level 2 apprentices with sufficient work-based training hours will be eligible to write the Certificate of Qualification (CoQ) exam. Additional information is available at: kpu.ca/trades/automotive-warehousing.

The pathway to becoming a certified Partsperson generally takes 3 years to complete the in-school technical training and 5040 work-based training hours. Apprentices will be eligible to write the Red Seal Inter-provincial Examination upon successful completion of all in-school technical training and work-based hour requirements. The Red Seal endorsement is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Also see: Logistics & Distribution Apprenticeship.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form

through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Partsperson Level 1 (APRT 1010)

- Overview of Warehouse Operations
- Communications and Comprehensive Skills
- Warehouse Safety Skills
- Basic Materials Handling Operations and Procedures
- Materials Handling and Packaging Equipment
- Information Technology in Warehousing

Partsperson Level 2 (APRT 1020)

- Parts Identification
- Standard Stock Recognition
- Catalogues
- Communication and Professionalism
- Sales Representatives Characteristics

Partsperson Level 3 (APRT 1030)

- Inventory Control Procedures
- Merchandising
- Communication and Customer Care
- Introduction to Parts Business Management
- Financial Management

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Plumbing: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Plumbing	kpu.ca/trades/plumbing
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified Plumber by completing the Plumbing apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Plumbing apprenticeship levels 1, 2, and 3. The in-school technical training for each level is 6 weeks in duration and includes an end of level examination. Additional information is available at: kpu.ca/trades/plumbing.

The pathway to becoming a certified Plumber generally takes 4 years to complete the in-school technical training and work-based training hours. Plumber apprentices will be eligible to write the Red Seal Inter-provincial Examination upon completion of all in-school technical training. The Red Seal endorsement will be awarded upon completion of 6420 work-based training hours and is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Plumbing Level 1 (APLM 1010)

- Use Safe Work Practices
- Use Tools and Equipment
- Organize Work
- Prepare and Assemble Plumbing Components

Plumbing Level 2 (APLM 1020)

- Use Tools and Equipment
- Organize Work
- Install Sanitary and Storm Drainage Systems
- Install Fixtures and Appliances
- Install Hydronic Heating and Cooling Systems
- Install Specialty Systems

Plumbing Level 3 (APLM 1030)

- Organize Work
- Install Water Service and Distribution
- Install Fixtures and Appliances
- Install Specialized Systems
- Install Natural Gas and Propane Systems

Plumbing Level 4 (APLM 1040)

- Under development

OTHER INFORMATION

Special Equipment

Students will require appropriate tools and safety wear in conformance with WorkSafeBC regulations that includes safety glasses, steel toed boots, hard hat, hearing protection and vest.

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Production Horticulture: Apprenticeship

Faculty of Science and Horticulture	kpu.ca/science
School of Horticulture	kpu.ca/hort
Implementation Date	01-Sep-2011
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Langley
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Horticulture Apprenticeship links learning and employment by providing apprentices the opportunity to further their education, while maintaining full-time employment in the horticulture industry. An apprenticeship is established when an employer and employee complete, sign and register an apprentice, and sponsor registration form with the Industry Training Authority (ITA, www.itabc.ca). Apprentices may also apply to the ITA for work based training completed before the apprenticeship was established. Refer to <http://www.itabc.ca> for information. HortEducationBC, the horticulture industry training organization, (www.horteducationbc.com) will sponsor individuals for one year, which allows them to gain credit for technical training completed within the year.

Effective March 31st, 2014, the Industry Training Authority (ITA) launched a modified Production Horticulturist apprenticeship program. A summary of the changes follows:

- Reduction in work-based training hours from 6,480 to 4,860
- Reduction in technical training delivery from 24 weeks to 20 weeks
- Level 3 technical training will be extended from 6 weeks to 8 weeks and will include a Certification of Qualification Exam
- Level 4 technical training will no longer be required

The duration of Level 1 and Level 2 technical training will remain the same (6 weeks each) and will include an ITA Standardized Written Level Exam Levels 1 & 2.

All Production Horticulturist Levels 1 & 2 classes completing training sessions after March 31st, 2014 will be scheduled to write an ITA Standardized Level Examination.

The apprentice must complete three technical training levels. The first two levels of the program include fundamental horticulture knowledge and skills. For level one and level two, apprentices attend six-weeks of technical training sessions for theoretical and practical instruction at the Langley Campus of KPU. The instruction in level three focuses on Production Horticulture. During level three, apprentices attend an eight-week technical training session for theoretical and practical instruction at the Langley Campus of KPU. Typically one level is completed each year but the opportunity exists to complete multiple levels in a

single year depending on apprentice/student interest and the technical training schedule.

The curriculum used for technical training has been developed and approved by the horticulture industry. It provides relevant, up-to-date information, and is based on recent technological advances in the horticulture field. Typically one level is completed each year but the opportunity exists to complete multiple levels in a single year depending on apprentice/student interest and the technical training schedule.

The proposed technical training schedule can be found on the School of Horticulture website at kpu.ca/registration/timetables/trades/hort. The schedule beyond the current year is subject to change www.tradestrainingbc.ca/apprenticeship.

Journeypersons in production horticulture are in demand. Municipal parks departments and nurseries often list a journeyperson certification as a minimum requirement when hiring horticulturists.

Transfer from Horticulture Foundation Programs

Graduates of Horticulture Foundation programs receive credit for Levels 1 and 2 of the technical training.

Costs

In addition to applicable tuition fees, students require the following:

- textbooks (purchased at the beginning of Level 1 and 3)
- school supplies
- safety footwear
- rain gear
- field trips
- travel
- accommodation and food

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at www.workbc.ca. Information on EI is available at www.servicecanada.gc.ca. It is recommended that eligible apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Transfer to a Diploma Program

Horticulture apprentices who complete Levels 1 and 2 will receive some credits if they choose to transfer to our Horticulture diploma program. Horticulture journeypersons (Certificate of Qualification) can continue their education in a Horticulture diploma program. Depending on the diploma specialty selected, journeypersons would receive some credits. Journeypersons or apprentices are required to meet KPU's English entrance requirements to enter the diploma program.

STUDENT PROFILE

Students interested in the apprenticeship should have a strong desire for hands-on outdoor work, enjoy nature and living things, be concerned about the environment, and have entrepreneurial talents. Individuals with allergies to dust, pollen or plant products, or specific chemicals should be aware of the potential impact on their health. Physical fitness and a healthy back are generally

required for a successful career in horticulture. Apprentices may work with plant protection products.

Apprentices in the practical Horticulture Apprenticeship program typically come from a number of horticulture enterprises. For example, they may be working for greenhouse owners, nurseries, municipal parks, or school boards.

GENERAL PREREQUISITES

The following requirements apply:

- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to registering (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Technical training is open to any interested person who meets the admission requirements. A minimum of Grade 10 completion is preferred. HortEducationBC (www.horteducationbc.com), the horticulture industry training organization, will indenture individuals in horticulture for one year.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

This program is designed to produce journeypersons with good theoretical and practical training, and experience in the horticulture industry.

Level 1 and Level 2 have the same requirements for both the Landscape Horticulture Apprentice and the Production Horticulture Apprentice. Level 3 is specialized to each apprenticeship.

Horticulture Apprentice Level 1 (AHCC 1010)

- Plant Materials I - A1
- Supervisory Skills - B1
- Equipment Maintenance - C1
- Plant Science - Morphology - D1
- Plant Health - Signs/Symptoms - E1
- Soil Physical Properties - F1
- Horticulture Practices I - H1
- Level I Final Exam

Horticulture Apprentice Level 2 (AHCC 1020)

- Plant Materials II - A2
- Supervisory Skills - B2
- Equipment Maintenance II - C2
- Plant Science - Physiology - D2
- Plant Health - Pests, Diseases - E2
- Soil Chemical Properties - F2
- Horticulture Practices II - H2
- Level II Final Exam

Production Horticulture Apprentice Level 3 (AHPR 1030)

- Manage Growing Facilities - D

- Plant Health - E
- Management of Nursery, Field and Container Crops - F
- Overseeing Nursery Production and System Operations – G
- Level III Final Exam

CREDENTIAL AWARDED

Upon successful completion of an apprentice level, KPU will report your technical training completion information to the Industry Trade Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Welding: Apprenticeship

Faculty of Trades and Technology	kpu.ca/trades
Implementation Date	01-Jan-2014
Start Date(s)	Varies
Admission Type	Apprenticeship
Enrolment Type	Limited enrolment
Program Type	Vocational
Credential Granted	No Credential
Offered At	Cloverdale
Format	Full-time
How to Register	www.kpu.ca/apprentice

DESCRIPTION

Get the skills that pay the bills!

In BC, an individual can become certified Welder by completing the Welder apprentice program. Apprenticeship programs are designed to provide students the full scope of knowledge and applied skills necessary to perform the occupation. Apprentices have an employer to sponsor them and are registered with the Industry Training Authority (ITA).

KPU delivers in-school technical training for Welder apprenticeship levels 1, 2, 3 and Specialty Metals Endorsement program. The in-school technical training for level 1, 2, and 3 are 8 weeks in duration. Levels 1 and 2 include an end of level Certificate of Completion examination; level 3 includes a Certificate of Qualification examination. The Specialty Metals Endorsement program is for apprentices that have a Red Seal and is 5 weeks in duration. Additional information is available at: kpu.ca/trades/welding.

The pathway to becoming a certified Welder generally takes 4 years to complete the in-school technical training and 4500 work-based training hours. Apprentices will be eligible to write the Red Seal Inter-provincial Examination upon successful completion of Level 3 in-school technical training and work-based hour requirements. The Red Seal endorsement is recognized in all jurisdictions across Canada; additional information is at: red-seal.ca.

Employment Insurance (EI) Eligibility

Provincial program financial supports must be applied for online through the Apprentice Online Portal at <http://www.apprenticeonline.gov.bc.ca/>. It is recommended that apprentices apply for these supports four weeks in advance of the start of their technical training and application must be made no later than the first day of technical training.

Apprenticeship and Modular Pathways

There are two pathways for progression beyond the Welding Foundation/Welder C level. Students with an employer sponsor will progress to Welder Apprentice Level 3, followed by the Specialty Metals Endorsement. To apply for Level 3, see Apprenticeship Programs. Students without an employer sponsor will progress to Welder Level B followed by Welder Level A.

GENERAL PREREQUISITES

The following requirements apply:

- Active apprentice registration in the BC Apprenticeship system.
- A valid Trade Worker Identification number from the Industry Training Authority (ITA-ID). If you do not have an ITA-ID, you will need to complete an apprenticeship registration form through the ITA (www.itabc.ca) prior to enrolling (Level 1 through to 4). To determine your eligibility please consult with the Industry Training Authority.

Note: International student enrolment requires approval of the Dean.

PROGRAM REQUIREMENTS

Welding Level 1 (AWLD 1010)

- Occupational Skills
- Oxy-Fuel Cutting and Gouging Processes (OFC and OFG)
- Fusion and Braze Welding (TB) Using the Oxy-Fuel (OFW) Process
- Shielded Metal Arc Welding (SMAW)
- Electric Arc Cutting, Gouging and Related Processes
- Semi-Automatic Welding

Welding Level 2 (AWLD 1020)

- Occupational Skills
- Shielded Metal Arc Welding (SMAW)
- Semi-Automatic Welding
- Basic Metallurgy
- Welding Drawings
- Layout and Fabricate Components
- Submerged Arc Welding (SAW)

Welding Level 3 (AWLD 1030)

- Shielded Metal Arc Welding (SMAW)
- Semi-Automatic Welding
- Basic Metallurgy
- Gas Tungsten Arc Welding (GTAW)
- Welding Drawings
- Layout and Fabricate Components
- Quality Control and Inspection
- Standards, Codes, Specifications and Welder Qualifications
- Specialized Processes

Specialty Metals Endorsement

Details on the Special Metals Endorsement are currently under development. For up-to-date information, please see the Welding information page (kpu.ca/trades/welding).

CREDENTIAL AWARDED

KPU will report your in-school technical training completion information to the Industry Training Authority (ITA) in order for the ITA to determine credit towards your designated apprenticeship.

Course Descriptions

Course Descriptions

In addition to the programs offered at KPU, we offer many courses in many subject areas.

Courses descriptions are extracted from KPU's Official Course Outlines - copies of which may be ordered by KPU students. For more information see Requesting Official Course Outlines.

In this section you will find:

- About Course Descriptions
- Course Attributes
- General Liberal Education Electives
- Quantitative Courses
- Requesting Official Course Outlines
- Access Programs for People with Disabilities (APPD)
- Accounting (ACCT)
- Adult Basic Education (ABE)
- Agriculture (AGRI)
- Anthropology (ANTH)
- Appliance Servicing (APPL)
- Applied Business Technology (ABTY)
- Applied Communication (CMNS)
- Applied Science (APSC)
- Art History (ARTH)
- Asian Studies (ASIA)
- Astronomy (ASTR)
- Automotive Service Technician (ASTA)
- Biology (BIOL)
- Biology Qualifying (BIOQ)
- Brewing & Brewery Operations (HOPS)
- Business & Quantitative Methods (BUQU)
- Business (BUSI)
- Career Choices and Life Success (CCLS)
- Carpentry/Building Construction (CARP)
- Chemistry (CHEM)
- Chemistry Qualifying (CHEQ)
- Communications (COMM)
- Community And Health Studies (CAHS)
- Computer Aided Design & Drafting (CADD)
- Computer Aided Design & Drafting: Architectural (CADA)
- Computer Aided Design & Drafting: Industrial (CADI)
- Computer Aided Design & Drafting: Manufacturing and Fabrication (CADM)
- Computer Aided Design & Drafting: Structural (CADS)
- Computer Business Systems (CBSY)
- Computer Science (CPSC)
- Co-operative Education (COOP)
- Counselling Psychology (CNPS)
- Creative Writing (CRWR)
- Criminology (CRIM)
- Critical Care Nursing (CCNG)
- Cultural Studies (CUST)
- Design (DESN)
- Economics (ECON)
- Education, Community and Health Specialties (ECHS)
- Educational Studies (EDUC)
- Electrical (ELEC)
- English (ENGL)
- English for Trades (ENGT)
- English Language Studies (ELST)
- English Language Studies Qualifying (ELSQ)
- English Qualifying (ENGQ)
- Entrepreneurial Leadership (ENTR)
- Environmental Protection Technology (ENVI)
- Farrier Training (FARR)
- Fashion and Technology (FASN)
- Fashion Marketing (FMRK)
- Financial Services (FNSR)
- Fine Arts (FINA)
- Foundations in Design (FIND)
- French (FREN)
- Geography (GEOG)
- Geology (GEOL)
- German (GERM)
- Gerontology-Based Therapeutic Recreation (GBTR)
- Graduate Nurse Internationally Educated Re-entry (GNIE)
- Graduate Nurse Qualifying (GNQU)
- Graduate Nurse Re-Entry (GNUR)
- Graduate Nurse With English As An Additional Language (GNEA)
- Graphic Design For Marketing (GDMA)
- Health Care Assistant (HCAP)
- Health Sciences (HSCI)
- Health Unit Coordinator (HAUC)
- History (HIST)
- Horticulture (HORT)
- Human Resources Management (HRMT)
- Information Technology (INFO)
- Interdisciplinary Expressive Arts (IDEA)
- Interior Design (IDSN)
- Japanese (JAPN)
- Journalism (JRNL)
- Legal Administrative Studies (LGLA)
- Linguistics (LING)
- Mandarin (MAND)
- Marketing (MRKT)
- Masonry (MSRY)
- Math for Trades (MATT)
- Mathematics (MATH)
- Mathematics Qualifying (MATQ)
- Metal Fabrication (MFAB)
- Millwright (Industrial Mechanic) (MWIN)
- Music (MUSI)

- Nursing (NRSG)
- Partsperson (PRTS)
- Philosophy (PHIL)
- Physics (PHYS)
- Physics Qualifying (PHYQ)
- Plumbing (PLMB)
- Policy Studies (POST)
- Political Science (POLI)
- Power Line Technician (PTEC)
- Product Design (DEPD)
- Psychiatric Nursing (PSYN)
- Psychology (PSYC)
- Public Relations (PRLN)
- Public Safety Communications (PSCM)
- Punjabi (PUNJ)
- Security Management (SECU)
- Sociology (SOCL)
- Spanish (SPAN)
- Special Education Teacher Assistant (SETA)
- Technical Apparel Design (DETA)
- University Connections (UCON)
- Welding (WELD)
- Women's Studies (WOMN)

Course Attributes

Each course description may include one or more attributes for the course. A description of each attribute is noted below.

Attribute	Description
F2A2	Tuition Category 2.a.2 Courses assessed tuition at 2.a.2 fee rate.
F2A3	Tuition Category 2.a.3 Courses assessed tuition at 2.a.3 fee rate.
F2A4	Tuition Category 2.a.4 Courses assessed tuition at 2.a.4 fee rate.
F2B2	Tuition Category 2.b.2 Courses assessed tuition at 2.b.2 fee rate.
QUAN	Quantitative Courses that fulfill the quantitative program requirement.
WRIT	Writing Intensive Courses that fulfill the Writing Intensive program requirement.

General Liberal Education Electives

The following are the General Liberal Education electives.

(This list was provided by the Liberal Education Curriculum Committee, 09-Nov-2010)

This list may **not** be used:

- for programs in the Faculty of Business (see Faculty of Business Liberal Education Electives)
- for the Graphic Design for Marketing programs (see Graphic Design for Marketing Liberal Education Electives)
- for the Bachelor of Interior Design program (see Bachelor of Interior Design Liberal Education Electives)
- for the Bachelor of Applied Arts in Psychology programs (see Bachelor of Applied Arts in Psychology Liberal Education Electives)

ACTIVE COURSES

Astronomy (ASTR)

ASTR 1100	Introduction to Astronomy	4 credits
ASTR 3110	Exploring the Solar System	3 credits
ASTR 3111	Exploring Stars & Galaxies	3 credits

Biology (BIOL)

BIOL 1112	Biology Today	4 credits
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Chemistry (CHEM)

CHEM 1101	CSI: Chemical Sciences Investigation	4 credits
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Community & Health Studies (CAHS)

CAHS 2100	The Reflective Practitioner	3 credits
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English (ENGL)

ENGL 1100	Writing, Reading and Thinking: An Introduction	3 credits
ENGL 1202	Reading and Writing about Selected Topics: An Introduction to Literature	3 credits
ENGL 2300	Advanced Writing and Research Skills	3 credits
ENGL 2309	Literature of the United States of America	3 credits
ENGL 2315	The Comic Voice	3 credits
ENGL 2316	English Literature: 14th to 18th Centuries	3 credits
ENGL 2317	English Literature: 18th to 20th Centuries	3 credits
ENGL 2319	The Novel in English: Its Development	3 credits

Environmental Protection Tech (ENVI)

ENVI 3112	Environment and Society	3 credits
ENVI 3212	The Urban Environment	3 credits

Fashion & Technology (FASN)

The following FASN courses are open only to Fashion Design and Fashion Marketing students.

FASN 1100	Fundamentals of Fashion Design	3 credits
FASN 1230	Fashion Drawing I	2 credits
FASN 2100	Fashion Design I	3 credits
FASN 2115	History of Costume	2.5 credits
FASN 2200	Fashion Design and Drawing II	5 credits
FASN 3100	Textile Design	3 credits
FASN 4100	Line and Portfolio Development	5.5 credits

Foundations of Design (FIND)

FIND 1120	Design History 1	3 credits
FIND 1130	Design Explorations	3 credits
FIND 1140	Colour Theories	3 credits
FIND 1150	Designing for Humanity	3 credits
FIND 1220	Interdisciplinary Design History II	3 credits

French (FREN)

FREN 1100	French for Beginners I	3 credits
FREN 1101	French for Beginners II	3 credits

German (GERM)

GERM 1100	Basic German I	3 credits
GERM 1101	Basic German II	3 credits
GERM 2200	Intermediate German I	3 credits
GERM 2201	Intermediate German II	3 credits

Graphic Design for Marketing (GDMA)

GDMA 1140	Graphic Design and Society I	3 credits
GDMA 1240	Graphic Design and Society II	3 credits
GDMA 2140	Communications Design, Consumerism and Popular Culture	3 credits
GDMA 2240	Social Contexts For Interactive Media	3 credits

History (HIST)

HIST 1113	Canada to 1867	3 credits
HIST 1114	Canada since 1867	3 credits
HIST 1120	Europe 1900 - 1939	3 credits
HIST 1121	Europe since 1939	3 credits
HIST 1130	Twentieth Century World 1900 to 1945	3 credits
HIST 1131	Twentieth Century World 1945 to 2000	3 credits
HIST 1145	American History 1607-1865	3 credits

HIST 1146	American History 1865 -1974	3 credits
HIST 2300	Introduction to World Civilizations	3 credits
HIST 2304	Canadian-American Relations	3 credits
HIST 2307	Twentieth Century Britain	3 credits
HIST 2335	War in the Modern World	3 credits
HIST 2350	Late Imperial China	3 credits
HIST 3310	The Fibre of Society: Textile Production in Global History	3 credits

Human Services Worker (HSWC)

HSWC 1145	Introduction to the Community: Context for Professional Practice	3 credits
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Japanese (JAPN)

JAPN 1100	Basic Japanese I	3 credits
JAPN 1101	Basic Japanese II	3 credits
JAPN 2200	Intermediate Japanese I	3 credits
JAPN 2201	Intermediate Japanese II	3 credits

Journalism (JRNL)

JRNL 1100	Explorations in Mass Communications	3 credits
JRNL 2301	Media and Audiences	3 credits
JRNL 2401	Ethics and the Media	3 credits
JRNL 3200	Media and Diversity	3 credits
JRNL 4200	History of Canada Journalism	3 credits

Linguistics (LING)

LING 1100	Introduction to Language Structure	3 credits
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Mandarin (MAND)

MAND 1100	Beginner Mandarin I	3 credits
MAND 1101	Beginner Mandarin II	3 credits
MAND 2200	Intermediate Mandarin I	3 credits
MAND 2201	Intermediate Mandarin II	3 credits
MAND 3300	Mandarin for Speakers of Other Chinese Dialects I	3 credits
MAND 3301	Mandarin for Speakers of Other Chinese Dialects II	3 credits

Marketing (MRKT)

MRKT 1299	Consumer Behaviour	3 credits
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Mathematics (MATH)

MATH 1190	Mathematics for Elementary School Teachers	4 credits
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Physics (PHYS)

PHYS 1112	Reel Physics	3 credits
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Political Science (POLI)

POLI 1120	Canadian Government and Politics	3 credits
POLI 1125	Introduction to Political Science	3 credits
POLI 1145	Introduction to Comparative Government and Politics	3 credits
POLI 1150	Introduction to International Relations	3 credits
POLI 2150	States, Markets, Globalization: International Political Economy	3 credits
POLI 2155	War, Crime, and Violence: Contemporary Political Conflict	3 credits
POLI 2235	British Columbia Government and Politics	3 credits

Product Design (DEPD)

DEPD 1130	Design Methods and Materials	3 credits
DEPD 1230	Transformative Thinking for Product Design	3 credits
DEPD 2430	Socio-Cultural Issues in Design	3 credits
DEPD 2431	Human Factors for Product Design	3 credits
DEPD 3530	Semiotics for Product Design	3 credits

Psychology (PSYC)

PSYC 1100	Introduction to Psychology: Basic Processes	3 credits
PSYC 1200	Introduction to Psychology: Areas and Applications	3 credits
PSYC 2308	History and Systems of Contemporary Psychology	3 credits
PSYC 2322	Developmental Psychology: Adulthood	3 credits
PSYC 2330	Social Psychology	3 credits
PSYC 2370	Psychology of Personality	3 credits
PSYC 3307	Historical and Philosophical Foundations of Psychology	3 credits
PSYC 3500	Interpersonal Relations I	3 credits
PSYC 3930	Consumer Psychology - Research & Applications	3 credits
PSYC 4500	Interpersonal Relations II	3 credits
PSYC 4700	Culture and Psychology	3 credits

Punjabi (PUNJ)

PUNJ 1100	Introductory Punjabi I	3 credits
PUNJ 1101	Introductory Punjabi II	3 credits
PUNJ 2200	Intermediate Punjabi I	3 credits
PUNJ 2201	Intermediate Punjabi II	3 credits

Spanish (SPAN)

SPAN 1100	Basic Spanish I	3 credits
SPAN 1101	Basic Spanish II	3 credits
SPAN 2200	Intermediate Spanish I	3 credits
SPAN 2201	Intermediate Spanish II	3 credits

Notes:

* Cannot be used towards satisfying the liberal education requirements for the school of Business degrees.

† Open only to Fashion Design and Fashion Marketing students.

INACTIVE (DISCONTINUED) COURSES

English (ENGL)

ENGL 1110	Writing and Literature: An Introduction	3 credits
ENGL 1201	Canadian Literature	3 credits
ENGL 1203	Women and Literature	3 credits
ENGL 1205	Drama and the Short Story	3 credits
ENGL 1206	Poems And Novels	3 credits
ENGL 2310	Literature in Translation	3 credits
ENGL 2313	Studies In Major Authors	3 credits

Entrepreneurial (ENTR)

ENTR 3033	Business Ethics	3 credits
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Environmental Protection Tech (ENVI)

ENVI 1112	Environmental Science	5 credits
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Fashion & Technology (FASN)

FASN 1110	History of Costume	2.5 credits
FASN 1210	The Apparel Industry	2.5 credits

French (FREN)

FREN 1105	Basic French I	3 credits
FREN 1106	Basic French II	3 credits
FREN 1110	French Language I	3 credits
FREN 1210	French Language II	3 credits

History (HIST)

HIST 1101	Europe in the Middle Ages	3 credits
HIST 1102	Europe 1450 to 1789	3 credits
HIST 1119	Europe 1789 to 1914	3 credits
HIST 2305	British Columbia	3 credits
HIST 2310	Germany 1870 to 1945	3 credits
HIST 2312	Quebec In Canada	3 credits
HIST 2327	History of Russia to 1917	3 credits
HIST 2328	History of the Soviet Union	3 credits
HIST 2345	Ancient & Imperial China	3 credits
HIST 2360	Origins of Modern India	3 credits

HIST 2370	The United States Since 1945	3 credits
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Liberal Education (LBED)

LBED 3110	Work, Technology and Society	3 credits
LBED 3120	Study of Cultures	3 credits
LBED 3130	Critical Thinking, Logic, and Scientific Reasoning	3 credits
LBED 3140	Science and Technology - an Historical & Philosophical Overview	3 credits
LBED 3310	Power Relationships I	3 credits
LBED 3311	Power Relationships II	3 credits
LBED 3410	Literature of the Humanities	3 credits
LBED 3420	Themes in Contemporary Culture	3 credits
LBED 4210	Ethics and Social Issues	3 credits
LBED 4810	Innovation and Creativity	3 credits
LBED 4900	Community Involvement and Contribution	3 credits

Linguistics (LING)

LING 1200	Introduction to Language Use	3 credits
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Quantitative Courses

The Bachelor of Arts framework requires students to take at least 3 quantitative courses, including at least one from the Faculty of Science and Horticulture.

The following courses are approved to meet the quantitative requirements for KPU credentials:

Faculty of Science & Horticulture

APSC 1120	Intro to Engineering	3 credits
APSC 1151	Intro to Engineering Graphics	3 credits
ASTR 1100	Introduction to Astronomy	4 credits
ASTR 2101	Astrophysics I: Stellar Astrophysics	3 credits
ASTR 2102	Astrophysics II: Galactic Astronomy	3 credits
ASTR 3110	Exploring the Universe I: The Solar System	3 credits
ASTR 3111	Exploring the Universe II: Stars and Galaxies	3 credits
BIOL 1110	Introductory Biology I	4 credits
BIOL 1112	Biology Today	4 credits
BIOL 1160	Anatomy and Physiology I	4 credits
BIOL 1210	Introductory Biology II	4 credits
BIOL 1260	Anatomy and Physiology II	4 credits
BIOL 2320	Genetics	4 credits
BIOL 2321	Cell Biology I	4 credits

BIOL 2322	Ecology	4 credits
BIOL 2421	Cellular Biochemistry	3 credits
CHEM 1101	CSI: Chemical Sciences Investigation	4 credits
CHEM 1105	Introductory Chemistry	4 credits
CHEM 1110	The Structure of Matter	4 credits
CHEM 1210	Chemical Energetics and Dynamics	4 credits
CHEM 2310	Physical Chemistry	4 credits
CHEM 2311	Physical Chemistry for Life Sciences	3 credits
CHEM 2315	Analytical Chemistry	4 credits
CHEM 2320	Organic Chemistry I	4 credits
CHEM 2410	Physical-Inorganic Chemistry	5 credits
CHEM 2420	Organic Chemistry II	4 credits
CHEM 3310	Physical Chemistry	4 credits
ENVI 1112	(discontinued)	5 credits
ENVI 1121	Environmental Issues	3 credits
ENVI 1216	Introduction to Earth Sciences	5 credits
ENVI 2310	Solid Waste Management	3 credits
HORT 1102	Botany for Horticulture	3 credits
HORT 1104	Soils, Soil Amendments and Soilless Media: An Introduction	3 credits

MATH 1111	(discontinued) †	1.5 credits
MATH 1112	Pre-Calculus Algebra †	3 credits
MATH 1113	(discontinued) †	3 credits
MATH 1115	Statistics I	3 credits
MATH 1116	Mathematical Explorations	3 credits
MATH 1120	Differential Calculus	3 credits
MATH 1130	Calculus for Life Sciences I	3 credits
MATH 1140	Calculus I (Business Applications credits)	3 credits
MATH 1152	Matrix Algebra for Engineers	3 credits
MATH 1190	Math for Elementary School Teachers	4 credits
MATH 1220	Integral Calculus	3 credits
MATH 1230	Calculus for Life Sciences II	3 credits
MATH 1240	Calculus II (Business Applications credits)	3 credits
MATH 2232	Linear Algebra	3 credits
MATH 2233	(discontinued)	3 credits
MATH 2234	(discontinued)	0.5 credits
MATH 2315	Probability and Statistics	3 credits
MATH 2321	Multivariate Calculus (Calculus III)	3 credits
MATH 2322	(discontinued)	3 credits

MATH 2331	Introduction to Analysis	3 credits	CPSC 1204	Introduction to Computer Programming II	3 credits
MATH 2335	Statistics For Life Sciences	3 credits	CPSC 1205	(discontinued)	3 credits
MATH 2340	(discontinued)	3 credits	CPSC 2302	Data Structures and Program Organization	3 credits
MATH 2341	Introduction to Statistics for Business	4 credits	CPSC 2405	Introduction to Discrete Math I	3 credits
MATH 2410	Discrete Mathematics	3 credits	CISY 1220	(discontinued)	3 credits
MATH 2421	(discontinued)	4 credits	CISY 2311	(discontinued)	3 credits
MATH 3150	The Structure of Mathematics	3 credits	CISY 2314	(discontinued)	3 credits
MATH 3250	Geometry	3 credits	CISY 2315	(discontinued)	3 credits
MATH 3322	Vector Calculus (Calculus IV)	3 credits	CRIM 1208	Methods of Research in Criminology	3 credits
MATH 3421	Ordinary Differential Equations	3 credits	CRIM 2103	Quantitative Data Analysis I	3 credits
MATH 3450	History of Mathematics	3 credits	CRIM 3103	Quantitative Data Analysis II	3 credits
MATH 4150	Number Theory	3 credits	ECON 1150	Microeconomics (effective January 2010)	3 credits
MATH 4250	Special Topics in Mathematics	3 credits	ECON 1250	Macroeconomics (effective January 2010)	3 credits
MATH 4350	Senior Project	3 credits	ECON 2210	Money and Banking	3 credits
PHYS 1100	Introductory Physics	4 credits	ECON 2350	Intermediate Microeconomics	3 credits
PHYS 1101	Physics for Life Sciences I	4 credits	ECON 2450	(discontinued)	3 credits
PHYS 1102	Physics for Life Sciences II	4 credits	ECON 3450	Intermediate Macroeconomics	3 credits
PHYS 1112	Reel Physics	3 credits	GEOG 1110	Introduction to the Atmosphere	3 credits
PHYS 1120	Physics for Physical and Applied Sciences I	4 credits	GEOG 1120	Introduction to Earth Science	3 credits
PHYS 1170	Mechanics I	3 credits	GEOG 2310	Climatology	3 credits
PHYS 1220	Physics for Physical and Applied Sciences II	4 credits	GEOG 2320	Geomorphology	3 credits
PHYS 2101	Experimental Physics I	2.5 credits	GEOG 2330	(discontinued)	3 credits
PHYS 2201	Experimental Physics II	2.5 credits	GEOG 2390	Geographic Information and Data Analysis	3 credits
PHYS 2330	Intermediate Mechanics	3 credits	GEOG 2395	(discontinued)	3 credits
PHYS 2335	(discontinued)	3.5 credits	GEOG 2400	Introduction to GIS	3 credits
PHYS 2420	Intermediate Electricity and Magnetism	3 credits	GEOL 1210	Our Changing Earth	4 credits
PHYS 2421	Laboratory in Electric Circuits	2 credits	JRNL 4165	Data Journalism	3 credits
PHYS 2424	Relativity and Quanta	3 credits	LBED 3130	(discontinued)	3 credits
PHYS 3202	Biophysics	3 credits	LBED 3131	(discontinued)	3 credits
			NRSG 4120	Qualitative and Quantitative Analysis	3 credits
			PHIL 1150	Introduction to Formal Logic	3 credits
			PHIL 1155	Introduction to Scientific Reasoning	3 credits
			PHIL 1250	(discontinued)	3 credits
			PHIL 3150	Advanced Formal Logic	3 credits
			PSYC 2300	Applied Statistics	3 credits
			PSYC 2400	Experimental Psychology: Research Methodology	3 credits

† Credit will not be given for both MATH 1112 and the combination of MATH 1111/1113.

Other Faculties

ACCT 1230	Business Statistics	3 credits
ANTH 1125	(discontinued)	3 credits
ANTH 1200	Biological Anthropology	3 credits
ANTH 1211	(discontinued)	3 credits
ANTH 1217	Forensic Anthropology	3 credits
ANTH 2217	Forensic Methods & Analysis	3 credits
CPSC 1103	Introduction to Computer Programming I	3 credits

PSYC 3300	Applied Statistics II	3 credits
PSYC 3400	Applied Research I	3 credits
PSYC 4100	Tests and Measurement	3 credits
SOCI 2365	An Introduction to Statistics in Social Research	3 credits
SOCI 3365	Quantitative Research Methods	3 credits

Requesting Official Course Outlines

To request transfer credit at other educational institutions for a course taken at KPU, students are often required to provide the other institutions with a copy of the official course outline that was in effect at the time the course was taken at KPU.

Official course outlines are provided as a service to current and previous KPU students.

Making a request:

- Your full name as it was when you were a student at KPU
- Your 9-digit KPU student number
- The course code and number for each course outline you require, as listed on your transcript, e.g. ENGL 1100
- The name and e-mail address of the person(s) or institution(s) to receive the course outline(s)

We will endeavour to fill course outline requests within 10 business days.

What if...

- You don't know your KPU student ID number
- You don't know the course numbers you require or when you took them
- You do not know or remember your myKwantlen login or email information

Please contact KPU's Student Enrolment Services department (www.kpu.ca/ses/).

A

ACCESS PROGRAMS FOR PEOPLE WITH DISABILITIES (APPD)

APPD 0021 CR-0

Work Exploration

Students with disabilities will explore a variety of vocational opportunities through combining employment oriented classroom instruction with monitored work experience. They will increase awareness of their vocational options and employment skills, and enhance their level of independence in campus, community and work settings.

APPD 0031 CR-0

Job Preparation

Students with disabilities will explore vocational opportunities through combining employment oriented classroom instruction with monitored work experience. They will develop individual vocational goals and enhance their employability.

APPD 0041 CR-0

Strategies for Employment

Students with disabilities will integrate their educational experiences and learn effective job search strategies in order to apply them to the workforce. They will participate in employment oriented classroom instruction and an extended work experience placement.

APPD 0210 CR-0

Vocational Skills Training: Childcare Aide

Students with various disabilities will explore vocational opportunities in the childcare field by combining classroom instruction with participation in monitored work-experience placements in childcare facilities, while supported by APPD Vocational Skills Training staff. They will prepare to qualify for the "responsible adult" designation as defined in the Child Care Facility Act. The Family Childcare Program is a corequisite for this program.

Co-requisites: CHLD,CTFC: all components of Family Childcare Program
CHLD,CTFC: all components of Family Childcare Program

APPD 0220 CR-0

Vocational Skills Training: Automotive Assistant

Students with various disabilities will acquire basic skills and knowledge for working as an automotive assistant by participating in training programs at Kwantlen and other selected sites, while supported by APPD Vocational Skills Training staff. They will also explore vocational opportunities by combining vocational-related classroom and shop instruction with participation in monitored work experience placements. Students must register half-time in the Automotive Service Technician Program and complete assigned modules.

Prerequisites: Drivers Licence: Class 7 (novice) minimum

APPD 0230 CR-0

Vocational Skills Training: Clerical Assistant

Students with disabilities will acquire basic skills and knowledge for working in the field of business technology. They will explore vocational opportunities by combining vocational-related classroom instruction with participation in monitored work-experience placements in various businesses, while being supported by APPD Vocational Skills Training staff.

Co-requisites: any two of the following: BUSI 1215, CBSY 1105, CMNS 1140, LGLA 1115, LGLA 1135 or LGLA 1145 any two of the following: BUSI 1215, CBSY 1105, CMNS 1140, LGLA 1115, LGLA 1135 or LGLA 1145

APPD 0250 CR-0

Vocational Skills Training: Food Services Assistant

Students with various disabilities will acquire basic skills and knowledge for working in the food services industry by participating in training programs at selected sites, while supported by APPD Vocational Skills Training staff. They will also explore vocational opportunities by combining vocational-related classroom instruction with participation in monitored work experience placements.

APPD 0310 CR-0

Vocational Skills Training: Early Childhood Educator Assistant

Students with disabilities will explore advanced vocational opportunities in the childcare field by combining classroom instruction with participation in monitored work-experience placements in childcare facilities, while supported by APPD Vocational Skills Training staff. They will prepare to qualify for the designation of Early Childhood Educator Assistant as defined in the Community Care and Assisted Living Act.

Prerequisites: APPD 0210

Co-requisites: From a training institution currently approved by the Ministry of Children and Family Development in the "Approved Training Institutions Offering Early Childhood Education Programs" document found at www.mcf.gov.bc.ca/childcare/ece/training.htm: Child Growth and Development or Health, Safety and Nutrition or Child Guidance
From a training institution currently approved by the Ministry of Children and Family Development in the "Approved Training Institutions Offering Early Childhood Education Programs" document found at www.mcf.gov.bc.ca/childcare/ece/training.htm: Child Growth and Development or Health, Safety and Nutrition or Child Guidance

ACCOUNTING (ACCT)

ACCT 1110 CR-3

Introductory Financial Accounting I

Students will learn to prepare financial statements using Canadian Generally Accepted Accounting Principles (GAAP). Students will be introduced to the accounting cycle, accrual accounting concepts, and the asset side of the balance sheet, specifically cash, receivables, inventory, and long-lived assets for service and merchandising companies operating as a sole proprietorship. This course is designed to be followed by ACCT 1210, which covers the liabilities and equity side of the balance sheet as well as partnerships and corporations.

For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.

Transferable (refer to transfer guide)

ACCT 1130 CR-3**Business Mathematics**

Students will learn methods and procedures of business mathematics, including the mathematics of merchandising, interests, annuities and investment decisions.

Note: Students may earn credits for only one of ACCT 1130 or BUQU 1130 as they are identical.

ACCT 1160 CR-3**Accounting Essentials**

Students will learn the basic concepts of financial and managerial accounting. They will study planning, budgeting, and decision-making techniques from a financial perspective.

NOTE: This survey course is intended for students who do not plan to pursue a School of Business credential.

ACCT 1210 CR-3**Introductory Financial Accounting II**

Students will further develop their skills in preparing financial statements in accordance with Canadian Generally Accepted Accounting Principles (GAAP). Students will learn recognition and measurement techniques for liabilities, shareholder's equity and investments as well as accounting for partnerships and corporations and preparing cash flow statements. Students will analyze and interpret financial statement results. This course is designed to be preceded by ACCT 1110, which covers the accounting cycle and the assets side of the balance sheet.

For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.

Prerequisites: ACCT 1110

Transferable (refer to transfer guide)

ACCT 1230 CR-3**Business Statistics**

Students will learn several statistical concepts, methods and procedures used in business, including frequency distributions, probability theory, sampling, estimation, hypothesis testing, linear regression and decision theory. Microcomputer application will form part of this course. Students will be expected to know, or to acquire on their own, basic Excel skills.

Note: Students may earn credits for only one of ACCT 1230 or BUQU 1230 as they are identical.

Transferable (refer to transfer guide)

ACCT 2235 CR-3**Introductory Taxation**

Students will learn the fundamental principles and concepts of Canadian federal income tax, including a conceptual structure of the Income Tax Act. Students will learn to apply the rules and regulations to practical cases through detailed exercises and taxpayer scenarios. They will learn to identify and fulfill a taxpayer's compliance and reporting requirements, including the calculation of basic income taxes payable for an individual, the determination of the components of the taxpayer's Net Income for Tax Purposes, Taxable Income, and taxes payable. They will also be introduced to the calculation of Net Income for Tax Purposes, Taxable Income and taxes payable for corporations.

Prerequisites: ACCT 1210 or ACCT 2293, plus 6 credits of ACCT 3000 level or higher

Not Transferable

ACCT 2293 CR-3**Accelerated Introductory Financial Accounting**

Students will learn to prepare and interpret financial statements for corporations in accordance with Canadian Generally Accepted Accounting Principles (GAAP). Students will learn about the accounting information system, accrual accounting concepts, accounting for service and merchandising operations, the reporting and analysis of inventory, receivables, long-lived assets, liabilities, shareholders' equity and investments, and the preparation of cash flow statements. The user-oriented approach will include performance measurement and the evaluation and analysis of financial statements by external decision-makers. This course is an accelerated and condensed version of ACCT 1110 and ACCT 1210.

Note: For graduation purposes a maximum of 6 credits can be obtained for any combination of ACCT 1110, ACCT 1210 and ACCT 2293.

Transferable (refer to transfer guide)

ACCT 3111 CR-3 (formerly FNSR 3111)**Introduction to Fraud Examination**

Students will analyze the fraud problem and its social and economic impacts. They will examine various issues fundamental to the understanding, prevention, detection, and deterrence of fraud from a management perspective.

Note: Students may be entitled to use this course towards Association of Certified Fraud Examiners requirements.

Prerequisites: CRIM 1107 or BUSI 2390 or ACCT 2293 or permission of instructor

ACCT 3310 CR-3**Intermediate Financial Accounting I**

Students will examine accounting theory and current Canadian practice in the measurement, recording and reporting of financial information, with emphasis on the accounting for assets.

Note: For graduation purposes : A maximum of 6 credits can be obtained for any combination of ACCT 3310, ACCT 3410 and ACCT 3510.

Prerequisites: ACCT 1210 or 2293 or (ABTY 1242 and 1243)

Transferable (refer to transfer guide)

ACCT 3320 CR-3**Introductory Management Accounting**

Students will learn how to use internal accounting information for decision making in manufacturing and other organizations. Students will study a variety of management accounting topics such as cost terms and concepts, alternative costing systems, cost/volume/profit relationships, budgeting and profit planning, relevant costing, variance analysis, segmented reporting and the importance of ethics.

For graduation purposes: A maximum of 6 credits can be obtained for any combination of ACCT 3320, ACCT 3420, and ACCT 3520

Prerequisites: ACCT 1210 or ACCT 2293

Transferable (refer to transfer guide)

ACCT 3335 CR-3**Intermediate Taxation**

The students will examine complex issues and identify planning opportunities for Canadian income tax planning and compliance, and integrate the tax consequences of business decisions at the personal and corporate level. They will learn about the different types of corporate taxpayers, sources of income and how these factors impact on the calculation of tax liabilities, including the taxation of investment income for Canadian Controlled Private Corporations. They will also learn about the fundamentals of the Goods and Services Tax ("the GST").

Prerequisites: ACCT 2235 plus 6 credits of ACCT 4000 level or ENTR 3000 level

Transferable (refer to transfer guide)

ACCT 3380 CR-3**Managerial Finance**

Students will obtain an understanding of the role and function of financial management, valuation of investments, capital budgeting, cost of capital, capital structure, dividend policy, long-term sources of funds, short and intermediate term financing, working capital management, mergers and consolidations, financial analysis, planning and control.

Prerequisites: ACCT 1210 or 2293 or (ABTY 1242 and 1243) and ACCT 1130 or any other first year math course.

ACCT 3410 CR-3**Intermediate Accounting II**

Students will examine accounting theory and current Canadian practice in the measurement, recording and reporting of financial information with emphasis on the accounting for liabilities and owners' equity.

Note: For graduation purposes : A maximum of 6 credits can be obtained for any combination of ACCT 3310, ACCT 3410 and ACCT 3510.

Prerequisites: ACCT 3310 or (ACCT 1210 with a B) or (ACCT 2293 with a B)

Transferable (refer to transfer guide)

ACCT 3420 CR-3**Advanced Management Accounting**

Students will study a variety of management accounting topics including flexible budgets, standard costs, variance analysis and investigation decisions, cost behavior, cost allocation. Topics also covered are: linear programming, joint products and by-products, special issues of process costing, alternative inventory models, pricing theory and strategies, and decentralization and transfer pricing. In addition, the course will cover the quality, operations costing, backflush costing, statistical analysis and linear models as well as selected current issues.

For graduation purposes: A maximum of 6 credits can be obtained for any combination of ACCT 3320, ACCT 3420, and ACCT 3520

Prerequisites: ACCT 3320

ACCT 3444 CR-3**Auditing**

Students will study auditing principles and internal control Topics covered include audit reporting, auditing standards, techniques and procedures. They will compare and contrast the independent and internal audit functions.

Prerequisites: ACCT 3310 or 3410 or 3510

ACCT 3510 CR-6**Intermediate Financial Accounting**

Students will examine accounting theory and current Canadian practice in the measurement, recording, and reporting of financial information.

Note: For graduation purposes : A maximum of 6 credits can be obtained for any combination of ACCT 3310, 3410 and 3510.

Prerequisites: (ACCT 1210 or 2293) or (ABTY 1242 and 1243) Transferable (refer to transfer guide)

ACCT 3520 CR-6**Management Accounting I & II**

Students will study a variety of management accounting topics including cost terms and concepts, cost-volume-profit relationships, job-costing, budgeting, variance analysis, alternative costing methods, understanding how costs behave, relevant costing, linear programming, pricing decisions, balanced scorecard, and cost allocation. They will also study joint products and by-products, process costing, quality and time issues, inventory management, and decentralization and transfer pricing.

For graduation purposes: A maximum of 6 credits can be obtained for any combination of ACCT 3320, ACCT 3420, and ACCT 3520

Prerequisites: ACCT 1210 or 2293

ACCT 4120 CR-3**Financial Statement Presentation and Analysis**

Students will learn to prepare a set of financial statements, including proper note disclosure acceptable for publication according to generally accepted accounting principles. They will analyze and evaluate financial statements in the form of published annual reports, with special emphasis on different industry-specific presentation and disclosure styles. Students will study differences in international accounting standards.

Prerequisites: ENTR 3000 and one additional ENTR 3000 or 4000 level course and 9 credit hours of ACCT 4000 level courses

Not Transferable

ACCT 4150 CR-3**International Issues for Financial Managers**

Students will study specific topics in international financial management. They will learn how to manage foreign currency exposure and capital budgeting in a multinational environment.

Prerequisites: ENTR 3170 or ACCT 3380

ACCT 4180 CR-3**Forensic Accounting**

Students will complete an overview of the theories of forensic accounting and the tools used in forensic investigation. They will learn how to analyze, interpret, summarize and present financial-related issues in a way that is both understandable and properly supported, with a focus on the private sector.

Prerequisites: ACCT 3444 and BUSI 2390

ACCT 4199 CR-3**Accounting Theory**

Students will study practical and theoretical models, including: market efficiency, present value accounting, standard setting, executive compensation, earnings management and agency theory. They will examine the contributions of economics, finance and other disciplines to accounting theory, and will evaluate current issues and problems in the field.

Prerequisites: ACCT 3380 and (ACCT 3310 or ACCT 3510)

Co-requisites: ACCT 3410 for those who have not previously completed 3510 ACCT 3410 for those who have not previously completed 3510

Transferable (refer to transfer guide)

ACCT 4335 CR-3**Advanced Taxation**

The students will study a variety of complex tax issues such as corporate reorganizations, amalgamation, wind-up, loss utilization and the limitation of losses from an acquisition of control, estate-planning, business acquisitions and divestitures either in the form of assets or shares. They will also learn about specialized topics such as the use of partnerships and trusts as tax planning tools, and the taxation of non-residents. In analyzing and integrating the business, financial, succession-planning and income tax consequences of these complex transactions and situations, the students will gain a deeper understanding of the effects of the Income Tax Act on business decisions.

Prerequisites: ACCT 3335

Not Transferable

ACCT 4360 CR-3**Computer Modelling for Managers**

Students will build a complete Proforma Financial Planning and Valuation Model using spreadsheet technology. They will prepare a complete set of Financial Statements using an Accounting Software Package and Simulation Case. Students will use case studies and will be used to introduce data warehousing and data mining and its use in Financial Management.

Prerequisites: ACCT 3380 and (3410 or 3510)

Transferable (refer to transfer guide)

ACCT 4445 CR-3 (formerly ACCT 3445)**Auditing 2**

Students will learn how to prepare an audit file and financial statements using a computerized application. They will study current and advanced issues affecting the auditing profession, including the public's expectation of audits and various types of engagement.

Prerequisites: ACCT 3444

ACCT 4455 CR-3 (formerly ACCT 3455)**Advanced Financial Accounting**

Students will study the current issues in financial reporting, intercorporate investments and business combinations, foreign operations, not-for-profit organizations, interim reports, segmented information, partnerships and joint ventures.

Prerequisites: ACCT 3410 or 3510

ACCT 4650 CR-3**Not-for-Profit Financial Management**

Students will study accounting and management for not-for-profit organizations. They will learn about stewardship and accountability of resources, fund accounting, financial reporting, management accounting, evaluating volunteer resources, fundraising, performance measurement of the organization's goals and objectives and the Societies Act.

Prerequisites: (ACCT 3310 or 3510) and (ACCT 3320 or 3520) and ENTR 3000

ACCT 4720 CR-3**Advanced Managerial Accounting**

Students will utilize advanced managerial accounting theories in planning and decision making in various business situations. Students will assess overall business needs. Students will design and evaluate integrative management accounting strategies through case analysis and projects.

Prerequisites: ENTR 3000 and 6 credit hours of additional ENTR 3000 or 4000 level courses and 12 credit hours of ACCT 4000 level courses

Transferable (refer to transfer guide)

ACCT 4780 CR-3**Advanced Managerial Finance**

Student will learn current financial management theories along with the technical skills necessary to maximize the economic value of the firm for its shareholders. They will learn how to identify, define and resolve the issues, problems and challenges faced by financial managers in today's complex financial environment.

Prerequisites: ENTR 3000 and 6 credit hours of additional ENTR 3000 or 4000 level courses and 12 credit hours of ACCT 4000 level courses

Transferable (refer to transfer guide)

ADULT BASIC EDUCATION (ABE*)**ABEE 0091 CR-3****Provincial Level English (English 12)**

Students will study English literature in order to prepare for university-level English courses and/or qualify for the B.C. Adult Graduation Diploma. They will read, analyze and respond, orally and in writing, to selected works of literature from prose fiction, poetry and drama.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or English 11 (B) or ABEE 0081 (B-) or ENGP 1081 (B-) or ABEE 0089 (C) or ENGP 1089 (C) or ENGQ 1098 (C) or ENGQ 1099 (C) or LPI Score (Essay 26 with EU 6+ and Reading Comprehension 16) or ACP Assessment or EPT or [ELST 0381 (B-) and ELST 0383 (B-)] or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: Students who are entering with a C grade in English 12 are strongly recommended to take ENGQ 1096 concurrently. Students who are entering with a C grade in English 12 are strongly recommended to take ENGQ 1096 concurrently. *Transferable (refer to transfer guide)*

**ABEE 0092 CR-3 (formerly ABEE 0097)
Professional And Technical English 12**

Students will prepare for post secondary studies through the acquisition of skills in critical reading, listening/viewing, speaking and technical writing. They will apply oral and writing skills by studying, preparing and presenting a variety of business and technical communications and essays.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or English 11 (B) or ABEE 0081 (B-) or ENGP 1081 (B-) or ABEE 0089 (C) or ENGP 1089 (C) or ENGQ 1098 (C) or ENGQ 1099 (C) or LPI Score (Essay 25 with EU 6+ and Reading Comprehension 16) or ACP Assessment or EPT or [ELST 0381 (B-) and ELST 0383 (B-)] or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Transferable (refer to transfer guide)

AGRICULTURE (AGRI)

AGRI 1150 CR-3

Sustainable Agriculture for the 21st Century

Students will study, through the lens of human enterprise sustainability, the aspects and ramifications of dominant and alternate agri-food system paradigms. They will examine agri-food systems from perspectives, such as environmental stewardship, food self-reliance, ethics, health, and nutrition. Students will compare, contrast, evaluate, and critique key concepts, elements, and outcomes of diverse agri-food system dimensions.

Not Transferable

AGRI 1299 CR-1

Food System Field Analysis

Students will (in this week long, intensive, field based course) visit and observe agri-food system farm processing and distribution enterprises in British Columbia. They will assess the function and operation of these enterprises and identify challenges and opportunities for advancing agri-food system sustainability. Students will explore ways to define, assess, and interpret factors that contribute to agri-food system sustainability. They will learn how factors interact and learn to weigh these factors in holistic agri-food system sustainability assessments, decision making, and planning processes.

Prerequisites: Admission to the Bachelor of Applied Science, Sustainable Agriculture degree.

Not Transferable

AGRI 2190 CR-3

Plant Science

Students will study basic fruit and vegetable crop plant anatomy, morphology, physiology, plant growth and development, reproduction, genetics and improvement methods. They will also study environmental (biotic and abiotic) and agroecosystem management interactions and their effects on crop growth, yield and quality.

Prerequisites: BIOL 1210

Not Transferable

AGRI 2220 CR-4

Soil Stewardship and Management

Students will study the main characteristics of agricultural soils, their ecology and management with emphasis on understanding soil as a living system, in the context of the agro-ecosystem and as a precious natural resource. They will study soil formation and maturation processes, soil classification, physical and chemical characteristics of soils and how these influence suitability for and management in agriculture, soil water management, soil biology and ecology and soil conservation. Students will also study composting methods and compost use.

Not Transferable

AGRI 2230 CR-3

Sustainable Human Economy

Students will learn about economic principles within the context of environmental, economic and social sustainability. They will study key principles and concepts of ecological and sustainable economics in comparison to classical and neo-classical economics.

Not Transferable

AGRI 2240 CR-3

Ecologically Based Pest Management

Students will study common plant, insect, mite, bacterial, fungal, viral and vertebrate pests, and associated injury and or disease caused to common fruit and vegetable crop plants cultivated in the Pacific Northwest. They will study the agro-ecological basis for plant pest occurrence and plant response to infestation/infection. Students will study cultural, behavioral, biological, physical and chemical pest management methods and tools based on maintaining or enhancing agro-ecosystem integrity, function and sustainability. They will learn to identify/ diagnose arthropod, plant and microbial pests/ disease and develop appropriate integrated pest management strategies and action plans. They will also learn to distinguish between pathogenic and non-pathogenic plant disease.

Prerequisites: AGRI 2190, BIOL 2322

AGRI 2250 CR-3

Agriculture and Food Systems

Students will study the history of agriculture. They will examine and compare different systems of food production such as traditional, industrial, organic, biodynamic, swidden, permaculture and garden agriculture in their historical, environmental, social and economic contexts.

Not Transferable

AGRI 3225 CR-3

Experimental Design and Analysis

Students will learn the fundamental principles of agricultural experimental design and analysis and prepare an applied research proposal.

Prerequisites: AGRI 1150, AGRI 1299, Math 1115

Not Transferable

AGRI 3260 CR-3**Animal Agriculture**

Students will study introductory and general principles and practices utilized for small and large animal production, with an emphasis on small scale, low input, integrated methods and objectives. They will study breeds and breeding, nutrition and health, reproduction, sheltering, growth and development, behavior, egg, meat and milk production, and integration of stock with cropping systems on sustainable farms.

Prerequisites: 60 credits

Not Transferable

AGRI 3270 CR-3**Vegetable Crop Production**

Students will study the principles and practices utilized to cultivate vegetable crops, emphasizing but not limited to southwest British Columbia production (topics include adapted and novel crops and cultivars, field preparation, seeding, soil and nutrition management, water management, pest management, crop plant growth and development, crop maturation and harvest and post-harvest handling). They will also study integrated cropping system planning and management.

Prerequisites: AGRI 2190 and AGRI 2220

Not Transferable

AGRI 3280 CR-3**Fruit and Nut Crop Production**

Students will study the principles and practices utilized in tree, small, bush, and cane fruit crops and nut crops cultivated in British Columbia (topics will include adapted and novel crops; climatic requirements; site selection and preparation; propagation; orchard, grove and patch planning and establishment; canopy management; pest, water, and fertility management; plant growth and development; crop maturation and harvest; and post-harvest handling and storage).

Prerequisites: AGRI 2190 and AGRI 2220

Not Transferable

AGRI 3290 CR-3**Agroecosystem Management I**

Students will study the integrated application of food crop production principles and practices in a laboratory farm setting. They will focus on late winter and spring operations including planning seasonal operations and plantings, equipment assessment and maintenance; procuring seed and plants; establishing orchard and field plantings; perennial crops canopy management; soil, nutrition, irrigation and pest management regimes.

Prerequisites: AGRI 2190 and AGRI 2220 and AGRI 2240

Not Transferable

AGRI 3398 CR-3**Crop Physiology and Ecology**

Students will explore the interactions of plant communities with their environment across plant life cycles and the implications of this interaction on the quantity and quality of crop yield. Students will learn biochemical, physiological and ecological principles important to the growth and development of crops and interaction with the environment.

Prerequisites: AGRI 2190 and AGRI 2220

Not Transferable

AGRI 3399 CR-3**Research Project I**

Students will continue to build and design their applied research project from AGRI 3225. They will complete the development of a research proposal which includes a justification, detailed workplan and budget for the project and implement the research.

Prerequisites: AGRI 3225

Not Transferable

AGRI 3591 CR-3**Special Topics in Food Systems I**

Students will engage in intensive study of a specific topic, as determined by the student and supervising faculty, and approved by the department. Students will study under the supervision and mentorship of a faculty member with requisite expertise in the area of study. Students will delineate learning objectives, develop a detailed study plan, conduct studies and submit a report(s).

Note: Students may repeat this course, to study different topics, for up to 6 credits total.

Prerequisites: 60 credits (1100 or higher)

Not Transferable

AGRI 3599 CR-3**Directed Studies I**

Students will carry out the study of a specific subject in sustainable agriculture under the direct supervision of a faculty member who will delineate learning objectives. The student will develop a detailed study plan, conduct studies and submit a report(s) or satisfactorily complete other means of evaluation which will include exams.

Note: Students may repeat this course, to study different subjects, for up to 9 credits total.

Prerequisites: 60 credits (1100 or higher) and Permission of Instructor

Not Transferable

AGRI 4295 CR-3**Internship**

Students will identify and participate in an approved internship in the agriculture and food systems sector for a minimum of 120 hours with supervision from a Sustainable Agriculture faculty member. Students will work toward completing specific outcomes and maintain records of their experience and upon completion will prepare a written report and give an oral presentation on their experience.

Prerequisites: 15 credits including AGRI 1150

Not Transferable

AGRI 4591 CR-3**Special Topics in Food Systems II**

Students will engage in intensive study of a specific topic, as determined by the student and supervising faculty, and approved by the department. Students will study under the supervision and mentorship of a faculty member with requisite expertise in the area of study. Students will delineate learning objectives, develop a detailed study plan, conduct studies and submit a report(s).

Note: Students may repeat this course, to study different topics, for up to 6 credits total.

Prerequisites: 75 credits (1100 or higher) and Permission of Instructor

Not Transferable

AGRI 4599 CR-3
Directed Studies II

Students will carry out the study of a specific subject in sustainable agriculture under the direct supervision of a faculty member who will delineate learning objectives. The student will develop a detailed study plan, conduct studies and submit a report(s) and/or satisfactorily complete other means of evaluation which will include exams.

Note: Students may repeat this course, to study different subjects, for up to 9 credits total.

Prerequisites: 90 credits (1100 or higher) and Permission of Instructor
Not Transferable

ANTHROPOLOGY (ANTH)

ANTH 1100 CR-3
Social & Cultural Anthropology

Students will study the interrelationships among culture, community and well-being. They will examine the diversity of human thought and behaviour in cross-cultural perspective. Students will focus on topics such as ethnography, gender, marriage and kinship, culture and adaptive strategies, social and political organization, religion and world view, and globalization.

Transferable (refer to transfer guide)

ANTH 1200 CR-3 (formerly ANTH 1211)
Biological Anthropology

Students will explore human ancestry, fossil hominids, non-human primates, and modern human physical variation. They will examine how we have evolved to become modern people and how our bodies and behaviour have been changed and shaped over millions of years. Students will gain knowledge of the theories of Charles Darwin together with the modern synthesis of his ideas, which show how our genes have evolved in response to our environment.

Transferable (refer to transfer guide)

ANTH 1217 CR-3 (formerly ANTH 1125)
Forensic Anthropology

Students will study forensic anthropology in order to identify unknown human skeletal remains for legal purposes. They will learn techniques for assessing the age-at-death, stature, and sex. Students will also explore the validity of determining "race" or "genetic heritage" based on biological remains. Students will analyze the skeleton to the level of individual identity by understanding how disease, trauma, and behavioural patterns can leave their mark on bones and teeth, through an examination of the application of forensic anthropology in particular investigative cases. They will also learn how cause and manner of death, and the postmortem interval affect the ability to apply forensic anthropological techniques.

Transferable (refer to transfer guide)

ANTH 1300 CR-3 (formerly ANTH 1112)
Archaeology

Students will analyze the various methods and perspectives used by archaeologists to study ancient cultures from around the world. They will examine the major branches of modern archaeology, as well as the historical development of the discipline. Students will learn how archaeological sites form and become preserved over long periods of time, and will discover how archaeological data are collected and analyzed through survey, excavation and dating methods. They will learn methods used to reconstruct both the economic and sociopolitical organization of ancient societies through analysis and critical discussion. Students will survey world prehistory and critically evaluate the effectiveness of the various methods and approaches studied.

Transferable (refer to transfer guide)

ANTH 2100 CR-3
Methods & Ethics in Anthropology

Students will conduct an overview of anthropological methods such as cross-cultural comparisons, multi-sited ethnography, participant observation, surveys, archival research, media analysis, narrative, collaborative ethnography, and visual analysis. They will critically explore ethical issues that have emerged within ethnographic research while they apply methods to case study examples.

Prerequisites: ANTH 1100
Transferable (refer to transfer guide)

ANTH 2120 CR-3 (formerly ANTH 1229)
Cross-Cultural Women's and Gender Studies

Students will use a cross-cultural perspective to explore the concept of gender; the cultural construction of gender roles and identities; and gender relations as a dimension of culture, politics and society. They will critically examine anthropological approaches to gender from early studies that overlooked women to feminist anthropology and research on masculinities and gender diversity. The class will investigate political and cultural responses to gender inequality and discrimination in diverse cultural contexts.

Prerequisites: ANTH 1100
Transferable (refer to transfer guide)

ANTH 2133 CR-3 (formerly ANTH 1230)
Religion, Magic, and Witchcraft

Students will investigate the broadly defined interrelationships between culture and religious beliefs, and practices. They will focus on topics such as religious symbols, magic, and witchcraft; rites of passage; spirit possession; and religion in popular culture.

Prerequisites: ANTH 1100
Transferable (refer to transfer guide)

ANTH 2140 CR-3 (formerly ANTH 1220)**First Nations Cultures of BC**

Students will examine the anthropology of First Nations cultures of British Columbia, including archaeology, history and cultural studies. They will be using language and culture areas as a basis for a regional understanding of the diverse First Nations cultures of British Columbia. Students will also come to understand the importance of health, well-being and other contemporary issues. They will find it especially important to understand these ideas in order to examine the current debate regarding land, resource, treaty rights, and the rationale and history behind the modern treaty negotiations in British Columbia, as distinct from the rest of Canada.

Prerequisites: ANTH 1100 or 1300
Transferable (refer to transfer guide)

ANTH 2142 CR-3 (formerly ANTH 1260)**First Nations Cultures of Canada**

Students will focus on the diversity of Aboriginal peoples and cultures. They will study traditional cultures in relation to regional culture and linguistic areas. Students will explore the impact of European influence on native life and cultures. They will examine the origin and nature of contemporary issues such as aboriginal rights movements, the treaty process, and special legal issues.

Prerequisites: ANTH 1100 or 1300
Transferable (refer to transfer guide)

ANTH 2160 CR-3 (formerly 1240)**Culture and the Environment**

Students will analyze competing definitions and interpretations of social and physical environments, from various cultural groups around the globe. They will examine the complexity of human relationships with the environment in a world where conflicting cultural systems are often competing for survival. Students will learn to appreciate actions that are crucial to the well-being of environments and the adaptive strategies of threatened cultures.

Prerequisites: ANTH 1100 or 1200 or 1300
Transferable (refer to transfer guide)

ANTH 2163 CR-3 (formerly ANTH 1275)**Culture, Health and Well-Being**

Students will investigate the interrelationships among culture, community and well-being. They will explore anthropological topics such as healing systems; culture, spirituality, and well-being; the language of distress; social suffering; and, practitioner-patient interactions.

Prerequisites: ANTH 1100
Transferable (refer to transfer guide)

ANTH 2190 CR-3**Non-Governmental Organizations in Context**

Students will study the role of NGOs (Non-Governmental Organizations), understood to be not-forprofit or 'third sector' organizations concerned with addressing problems of poverty, social justice and/or the environment. They will explore the concepts of global civil society and emerging features associated with social, cultural, economic, and political activity that operate alongside but outside of state and market processes. They will come to understand the various roles that NGOs fill in providing services, promoting particular values, forming the basis for community self-help initiatives or campaigning on public issues. Students will analyze, and demonstrate their familiarity with organizational behaviours and practices.

Co-requisites: ANTH 1100 ANTH 1100
Transferable (refer to transfer guide)

ANTH 2217 CR-3**Forensic Methods & Analysis**

Students will explore scientific hypothesis testing by performing experiments that evaluate current forensic methods. They will study several forensic fields such as: metric measurement, fingerprint examination, image analysis (including photographs and x-rays), bone trauma analysis, and discriminating human from animal bone. Students will participate in a one-day outdoor archaeological excavation exercise. They will apply the information learned in the course to practice the techniques associated with the recovery & analysis of material evidence & human remains. Students will also reflect on the ethical dilemmas involved in the integration of scientific, anthropological, archaeological, and legal testimony in professional reports and in the court system.

Prerequisites: ANTH 1217
Transferable (refer to transfer guide)

ANTH 2300 CR-3**Archaeological Methods**

Students will conduct an in-depth review of current methods in anthropological archaeology. They will examine the historical development of the discipline and study the nature of the archaeological record, including categories of data and site formation processes. Students will study research design, data collection, dating methods and classification of artifacts. They will critically evaluate methods used to examine prehistoric technology, environmental reconstruction, subsistence and diet, and trade patterns.

Prerequisites: (ANTH 1300 or 1112) and (ANTH 2320 or 2340)
Transferable (refer to transfer guide)

ANTH 2310 CR-3**Archaeology of Death**

Students will examine the key concepts and methods used to analyze the funerary rituals and burial practices of ancient and recent societies. They will examine the theories and methods used by archaeologists to understand the social and ideological aspects of mortuary behavior. Students will study various forensic techniques used to analyze human remains from ancient and recent burials, and critically analyze the kinds of information they provide. They will also examine the ethical issues involved in the analysis of human remains from archaeological sites from a variety of different perspectives.

Prerequisites: ANTH 1300 or 1100 or 1217
Transferable (refer to transfer guide)

ANTH 2320 CR-3 (formerly ANTH 1215)**Archaeology of the Old World**

Students will be introduced to Old World Prehistory from the origin of the earliest modern humans through to the development of agriculture and complex state societies. They will examine the evidence for early human migrations from Africa into Europe and the Asia Pacific region. Students will study the rise of early farming communities in each area and then study the evolution of complex state societies. They will also examine an overview of the ancient civilizations of: Egypt and Mesopotamia; the early states of Europe; the evolution of Indus Valley civilizations and the early states of East Asia. Students will critically evaluate the theories and methods of data analysis used to study these ancient cultures.

Prerequisites: ANTH 1300 or 1112
Transferable (refer to transfer guide)

ANTH 2340 CR-3 (formerly ANTH 1216)**Archaeology of the Americas**

Students will examine the archaeological record of North and South America. They will examine culture history of the indigenous groups from these continents. Cultural groups examined can include the Inka, Aztec, Maya, Moche, Nazca, Amazonia, Norte Chico, Olmec, Hopewell, Haudenosaunee, NW Coast, Ancestral Pueblo, or others. Students will also critically examine theoretical problems particular to the archaeology of the Americas, including the impact of colonialism, the first peopling of the continents, the role of descendent communities in archaeology, and the evolution of urban societies, language, and agriculture.

Prerequisites: ANTH 1300 or 1112
Transferable (refer to transfer guide)

ANTH 3100 CR-3**Anthropological Theory**

Students will examine the development and application of anthropological theory through an examination of ethnographies using different theoretical points of view. They will gain an understanding of how theory has been developed and used by anthropologists in the field, with examples to be drawn from a number of different areas and time periods. Students will apply theory as fieldworkers do, in order to understand social processes. They will be exposed to the major social theories and will practice how to choose, explain, and combine theories in research situations.

Prerequisites: ANTH 2100
Transferable (refer to transfer guide)

ANTH 3130 CR-3**Sikh Culture, Religion and Society**

Students will examine the cultural, religious, social and political developments in the Punjab over the past five centuries from the perspective of the Sikhs. They will focus on the cultural and social forces that shaped and consolidated Sikh religious beliefs, ritual practices, and social institutions. Students will explore the interrelationship among traditional pan-Indian customs, Punjabi folklore, and Sikh religious beliefs and practices. They will also explore the impact of the British Raj, including the Sikh reform movements, and the contemporary issue of the Sikh search for a distinct political identity.

Prerequisites: ANTH 1100 or ASIA 1111
Transferable (refer to transfer guide)

ANTH 3168 CR-3**Deviance Across Cultures**

Students will learn that although crime and deviance occur in all societies, they are not defined or treated in the same way from place to place. They will study anthropological concepts and theories to examine deviance from a cross-cultural perspective. Students will survey topics such as banditry and terrorism, criminal organizations, 'treasure hunting' on archaeological sites, deviance in folklore and popular culture, and social control.

Prerequisites: ANTH 1100, and 15 credits of any 1100-level or higher courses
Transferable (refer to transfer guide)

ANTH 3188 CR-3 (formerly ANTH 2333)**Visual Anthropology**

Students will examine the primary aspects of visual anthropology. They will focus on anthropological representations of the interrelationships among culture, society, and the individual through the written and spoken word, still photographs, film, and video. Students will critically apply anthropological concepts and ideas to the study of culture and the politics of representation in popular culture.

Prerequisites: ANTH 1100 and 30 credits of any 1100-level or higher course
Transferable (refer to transfer guide)

ANTH 3190 CR-3**Non-Governmental Organizations in Practice**

Students will carry out a detailed investigation of an NGO (Non-Governmental Organization), understood to be a not-for-profit or 'third sector' organization concerned with addressing problems of poverty, social justice, and the environment. They will complete a case study of a particular organization, or of a particular set of problems that surround a group of organizations. Students will submit original research and analysis. They will also develop an understanding of how stakeholders work towards the solution of social, political, and/or environmental problems.

Prerequisites: (ANTH 2190) or (ANTH 1100 and 3 credits of ANTH 2000 level)
Not Transferable

ANTH 3220 CR-3**Human Osteology**

Students will interpret the intricacies of the human skeleton through the identification of complete and fragmentary skeletal and dental elements. They will study additional topics that include skeletal growth and development, the identification of the normal range of variation in human skeletal anatomy, and distinguishing human from animal bones. They will also appraise the form and function of soft tissue attachments on bones, in order to determine individualizing characteristics such as age-at-death and sex.

Notes:

This course should be considered essential if students are planning future work in the interpretation of modern and archaeological human remains.

This course is lab intensive.

Prerequisites: 45 credits at the 1100 level or higher, including ANTH 1200 and ANTH 1217
Transferable (refer to transfer guide)

ANTH 3242 CR-3**A Survey of the Primates**

Students will study the diversity, behaviour, and conservation status of a group of mammals called primates. They will better understand humans by exploring the social organization, social interactions, and ecology of non-human primates. Students will consider the implications of the high number of non-human primate species that are at risk of extinction by exploring the ethical and conservation issues arising from human activities such as the pet trade and the use of non-human primates for medical experiments. They will begin to recognize the significant connection between the animal and human world.

Co-requisites: ANTH 1200 and 18 credits of 1100 or higher ANTH 1200 and 18 credits of 1100 or higher
Transferable (refer to transfer guide)

ANTH 3300 CR-3**Archaeological Theory**

Students will analyze the development and application of theory in archaeological research. Students will trace the historical development of archaeological theory from a cross-cultural perspective. They will study the culture history, processual, and post-processual paradigms and examine how they have influenced the development of contemporary theory. Students will critically analyze theories of culture change, cognition, gender and ethnicity, and how they are applied to actual archaeological data sets. Students will assess the importance of ethics, cultural resource management, and public relations in conducting research within the context of a modern world.

Note: This is a seminar course.

*Prerequisites: ANTH 2142 or 2217 or 2310 or 2320 or 2340
Not Transferable*

ANTH 3301 CR-3 (formerly ANTH 2301)**Archaeological Methods for Cultural Resource Management**

Students will develop a hands-on understanding of a number of aspects of archaeological methodology central to cultural resource management (CRM) work. They will learn to apply these methods to the analysis of archaeological and landscape data, including how to report and organize the results of these analyses. Students will also be tasked with other important aspects of methodology in CRM, which include mapping, site forms, reporting, budgets, and proposals.

Note: This course is co-requisite with ANTH 3361 and offered as field school studies during summer term.

Prerequisites: 30 credits of 1100-level or higher, including ANTH 1300

*Co-requisites: ANTH 3361 ANTH 3361
Transferable (refer to transfer guide)*

ANTH 3330 CR-3**East Asian Archaeology**

Students will study the origins and development of complex societies in East Asia. They will analyze the archaeology of China, Korea, and Japan, including an exploration of key issues in cultural evolution and interaction. Students will examine major topic areas such as: early human migrations into the region; early foraging economies; the development of food production; and the evolution of social complexity. Students will critically analyze the current methods and theories used by archaeologists in studying the evolutionary development of East Asian civilizations. Students will examine the modern cultural context of prehistory in East Asia as a source of discussion on ethnic identity.

*Prerequisites: ANTH 2320 or ANTH 2340
Transferable (refer to transfer guide)*

ANTH 3340 CR-3**British Columbia Archaeology**

Students will examine the pre-contact and proto-historic archaeology and cultures of British Columbia's aboriginal peoples. They will study the environmental adaptations and complex cultural developments of both interior and coastal groups, and will develop an understanding of the great diversity and depth of B.C.'s native cultures. Students will critically analyze the theories and archaeological evidence of prehistoric cultural developments in the area from the earliest occupations up to contact with Europeans and Americans.

Prerequisites: 30 credits of 1100-level or higher, including ANTH 1300

Transferable (refer to transfer guide)

ANTH 3361 CR-6**Archaeological Field Studies**

Students will study and practice the basic techniques of archaeological survey and excavation. They will learn and examine field techniques such as site survey and mapping; GPS data collection, mapping, and analysis; excavation methodology; analysis of site stratigraphy; and the proper documentation, collection and curation of field data. Students will examine how archaeological remains are cleaned, sorted and properly stored in the laboratory and will apply preliminary data analysis methodology.

Note: This course consists of a six-week field studies project and is offered only during the summer term. The co-requisite course is ANTH 3301.

Prerequisites: 30 credits of 1100-level courses (including ANTH 1300 or equivalent), and permission of the department selection committee

*Co-requisites: ANTH 3301 ANTH 3301
Transferable (refer to transfer guide)*

ANTH 3500 CR-3**Directed Studies in Anthropology**

Students will engage in an intensive study of an anthropological topic under the supervision of a faculty member. They will conduct professional research by doing comprehensive weekly readings, in which they identify appropriate resource materials, develop a proposal, and submit an advanced academic project.

Note: Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher, including (ANTH 1100 or ANTH 1200 or ANTH 1300)

ANTH 3501 CR-3**Special Topics in Cultural Anthropology**

Students will examine a selected topic in Cultural Anthropology. They will critically analyze relevant literature and develop a comprehensive understanding of particular theories, methods, and themes. Students will question and evaluate recent developments in the topic area and debate future directions of possible study.

Note: The specific course content will be established in advance by the instructor. Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher, including ANTH 1100

Not Transferable

ANTH 3502 CR-3**Special Topics in Biological Anthropology**

Students will engage in an intensive study of the human physical form by studying a special topic selected by the instructor. They will explore a topic in one of the major focus areas within biological anthropology such as: forensic anthropology (an applied aspect); evolution and heredity; non-human primate studies; human evolution; or modern human biological variation. Students will examine and evaluate recent developments in the specific focus area, assess the implications of these developments, and identify future research directions in order to determine what it means to be a member of the human species.

Note: Please check with the department for proposed offerings and the specific prerequisite. Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher, including ANTH 1200 or 1217

ANTH 3503 CR-3**Special Topics in Archaeology**

Students will study particular aspects of archaeology selected by the instructor. They will examine how archaeology attempts to document and interpret the course of human cultural evolution and to trace the development of cultural traditions in various areas of the world by studying a current issue in archaeology. Student emphasis will be on the methodological, technical, and scientific literature relating to archaeological interpretation.

Notes: The area of study will be established in advance by the department. Please check with the department for proposed offerings. Students may take this course multiple times for further credit on different topics.

This is a seminar course.

Prerequisites: 18 credits of 1100-level or higher, including ANTH 1300

ANTH 3510 CR-3**Anthropology of Genocide**

Students will examine the anthropological approach to the study of genocide which is a unique multidisciplinary approach due to the contribution of each subfield of anthropology. They will examine the following topics: why anthropology is so well situated to inform the discourse and research on genocide; the definition of genocide and ethnocide; the nature of human aggression from the perspective of our nearest animal relatives; the limitations of forensic investigations in documenting crimes against humanity for future generations; cultural issues, including racial, ethnic and religious concerns; historical and contemporary political issues (local, national, regional, and global through an examination of the United Nations, and other non-government organizations); modern literature and popular culture; and healing processes. Students will, using case examples from Canada and across the globe, investigate the necessity for a multi-disciplinary approach to this problem.

Prerequisites: 18 credits of 1100-or higher courses, including ANTH 1100 or ANTH 1200 or ANTH 1217 or ANTH 1300

ANTH 4101 CR-3**Contemporary Readings in Anthropology**

Students will, at an advanced level, study a problem of current concern in anthropology. Students will synthesize current themes and debates arising from a variety of perspectives either about, or within, anthropology. They will study anthropology in institutional and/or applied contexts, by acknowledging the origins of anthropological methodology as well as recognizing its current demands. Students will identify real-life problems through discussion, literature review, and practical observation. They will determine ongoing areas of research that they may utilize for future study or job-related research.

Prerequisites: 60 credits of 1100 level or higher courses, including ANTH 1100
Not Transferable

ANTH 4500 CR-3**Culture, Community, & Well-Being**

Students will bring together a number of theories, methods, and themes in anthropology. They will utilize a multidisciplinary approach to examine contemporary issues and they will address the contributions of a number of fields of study to further explore the department focus on "Culture, Community, and Well-Being". Students will explore topics such as Aboriginal studies; gender & women's studies; biological, medical & environmental anthropology; methods & ethics in anthropological research; human rights issues; audio-visual anthropology; religion and spirituality; and specific geographic area studies with an emphasis placed upon the holistic and applied approach to anthropology.

Note: This is a seminar course.

Prerequisites: 45 credits of 1100-level or higher courses, including any 6 ANTH credits

ANTH 4501 CR-3**Selected Problems in Anthropology**

Students will engage in the study of a particular issue in the field of anthropology. They will analyze critically the relevant literature and attendant ethical problems, and examine public awareness of the issue, thereby developing a comprehensive understanding of disciplinary considerations. Students will evaluate recent developments in methods and particular approaches, assess the implications of these developments, and identify future directions for the field of anthropology itself.

Prerequisites: 45 credits of 1100 level or higher courses, including ANTH 1100 or 1300
Not Transferable

ANTH 4502 CR-3**Regional Focus in Anthropology**

Students will carry out a detailed investigation of a particular region, as identified by the course instructor. They will use specific anthropological approaches to provide insights into the society and culture of the specified region. They will be required to identify relevant sources of information, provide a summary of the literature and develop a discussion of relevant problems.

Note: Students may take this course multiple times for further credit on different topics.

Prerequisites: 60 credits of 1100 level or higher courses, including ANTH 1100 or 1300
Not Transferable

ANTH 4510 CR-3

Applied Research in Anthropology

Students will complete an applied research project in a particular anthropological subfield, and will analyze critically issues relating to the conduct of applied anthropology. Students will utilize and apply anthropological methods to a particular real world problem, possibly including action research, advocacy anthropology, culture resource management (CRM), methodological design, or a forensic human identification problem.

Prerequisites: 45 credits of 1100 level or higher courses, including ANTH 1200 and 1217

Not Transferable

APPLIANCE SERVICING (APPL)

APPL 1110 CR-5

Basic Electricity

Students will study the basic theory of electricity and the principles of electromagnetism. They will perform practical applications on motors, circuits, switches, and other components, while learning to practice safe and correct use of the basic tools and test equipment in the appliance servicing industry. Students will also learn customer relations skills.

APPL 1115 CR-1

Basic Electronics

Students will learn the fundamentals of electronics as they relate to appliance repairs. They will apply the theory of diodes, silicone controlled rectifiers, and triacs in lab experiments using the multimeter and oscilloscope.

Prerequisites: APPL 1110

APPL 1120 CR-1 (formerly APPL 1107)

Ancillary Products

Students will test and repair garbage disposers, trash compactors, and electric water heaters. They will master all procedures and safety practices to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1125 CR-3 (formerly APPL 1103)

Electric Dryers

Students will study the operation and repair of common makes of household electric dryers. They will use schematic diagnostic techniques and flow charts to trouble-shoot faults and will make repairs to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1130 CR-5

Electric Ranges: Standard and Self-Cleaning

Students will study the operation and repair of standard and self-cleaning household ranges and wall ovens. They will apply a series of systematic procedures with the use of testers to trouble-shoot to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1210 CR-5 (formerly APPL 1106)

Automatic Washers

Students will focus on installation, diagnosis and repair of automatic washers. They will follow flowcharts and schematic diagrams to trouble-shoot problems and will perform repairs to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1215 CR-3 (formerly APPL 1105)

Automatic Electric Dishwashers

Students will focus on the installation and repair of automatic electric dishwashers. They will follow flow charts and schematic diagrams to troubleshoot electrical and mechanical problems and perform repairs to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1220 CR-5.5

Basic Refrigeration and Domestic Air Conditioning

Students will focus on the theory, testing, diagnosis, and repair of domestic refrigeration units and domestic air conditioners. They will apply systematic procedures to analyze and repair refrigerators to meet current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1225 CR-1.5

Work Experience Practicum

Students will apply theoretical and practical experience learned during program in a workplace environment with an appliance sector employer of the student's choosing.

Prerequisites: APPL 1115 and 1120 and 1125 and 1130 and 1210 and 1215 and 1220

APPL 1230 CR-1.5 (formerly APPL 1108)

Microwave Ovens

Students will study the theory and practice the safe installation, testing, and repair of microwave ovens. They will trouble-shoot and repair mechanical and electrical faults to current Canadian Industrial Standards.

Prerequisites: APPL 1110

APPL 1235 CR-2.5

B.C. Provincial "C" Gas Certificate

Students will study the basic theory and practices of the administration and regulations of the B.C. Gas Act. They will study the properties of gases, piping, regulators, burners (pilot & atmospheric), flame characteristics, orifices, combustion, air supply, venting, basic electricity, flame safety, operating valves, propane cylinders and servicing. Students will learn safety, and the use of basic tools and meters in gas servicing.

Prerequisites: APPL 1110

APPLIED BUSINESS TECHNOLOGY (ABTY)

ABTY 1141 CR-3

Keyboarding and Introductory Word Processing

Students will develop touch control of the keyboard and correct keyboarding techniques. They will be introduced to Windows and the Internet and they will learn basic word processing features and basic file management.

ABTY 2110 CR-3

Administrative Management

Students will become familiar with the core concepts necessary to assume the role of an office manager or executive assistant. They will learn key supervisory, organizational, supporting, and management skills.

ABTY 2120 CR-3

Project Management

Students will learn the fundamentals of project management skills to track progress, share information, and close a project. They will examine the planning, creation, and development of a project, and will apply the concepts learned to complete a project using Microsoft Project.

Prerequisites: ABTY 1135, or CBSY 1105, or 1205

ABTY 2130 CR-3

Advanced Writing Skills

Students will learn advanced written and oral communication skills. They will use advanced writing skills to develop e-mails, letters, memos, reports, and proposals and oral skills to make formal presentations. Students will also develop note-taking skills, using the ABC Stenoscrypt method.

Prerequisites: ABTY 1155

APPLIED COMMUNICATION (CMNS)

CMNS 1106 CR-3

Interactive Communication for the Floristry Workplace

Students will learn how to analyze audience and context in order to communicate effectively orally and in writing, in floristry environments. They will learn basic communication and research strategies, interpersonal communication theory and practice, document conventions, resume design, page design for specialized documents, conflict resolution approaches, and correct language usage.

CMNS 1110 CR-3

Fundamentals of Business Communication

Students will be introduced to the interactive relationship between context, message, audience, and purpose in workplace writing. In the process, they will learn basic strategies, with emphasis on grammar and syntax, and current conventions for correspondence and short reports, research and documentation, integration of visual elements. Students will also learn oral report preparation and presentation skills, which they will demonstrate through in-class presentations.

Transferable (refer to transfer guide)

CMNS 1115 CR-3

Writing for the Specialized Workplace

Students will learn how to analyze audience and context in order to communicate effectively in specialized workplace environments which require sensitivity and the ability to tailor messages for audiences with different, often conflicting, needs and priorities. They will learn basic communication and research strategies, document conventions, teamwork strategies, resume design, page design for specialized document creation, conflict resolution approaches, and correct language usage.

Prerequisites: (LPI 25) or English 12 C, or TPC 12 C or ENGL 1099 or CMNS 1105 or Kwantlen English Placement Test or ABEE 0097 or PSPE 1097 or [ELST 0381 (C+) and 0383 (C+)]

CMNS 1120 CR-3

Applied Oral Communications

Students will study the theories, principles and applications of oral communications, and apply these theories and principles to design, develop and deliver effective oral presentations for a variety of contexts.

Prerequisites: English 12 or TPC 12 or ABEE 0091 or PSPE 1091 or ENGP 1091 or LPI 26 or ELST 0381 and 0386 with a B) or ENGL 1099 or ENGQ 1099 or CMNS 1110 or 1105 or Kwantlen English Assessment Test Placement

CMNS 1130 CR-3

Introduction to Communication Studies

Students will learn accepted theories of communication, including theories of interpersonal and public speech, literacy, print, and electronic media communication (radio, television, internet). Students will critically examine communication theories as applied to practical issues in the community and in the workplace while conducting individual and group research projects.

Prerequisites: (LPI 24 plus EU#6+) or TPC12 (C+) or English 12 (C+) or ABEE 0091 or PSPE 1091 or ENGP 1091 or CMNS 1110 or ENGL 1099 or CMNS 1105 or Kwantlen English Placement Test or ABEE 0097 or PSPE 1097 or ENGP 1091 or [ELST 0381 (B) and 0383 (B)] Transferable (refer to transfer guide)

CMNS 1140 CR-3

Introduction to Professional Communication

Students will learn how to analyze context and audience, determine purpose, message content, visual design and media in order to create written workplace messages that can be received, understood, used and retrieved with speed and accuracy.

Prerequisites: English 12 (C+) or Technical and Professional Communications 12 (C+) or ABEE 0091 (C) or ABEE 0092 (C) or [ELST 0381 (B) and ELST 0383 (B)] or ENGQ 1099 (C) or CMNS 1110 (C) or Kwantlen English Placement Test or LPI Essay score of 26 or IELTS 6.5 (no band less than 6.0) or IBT 86 (no sub-score less than 20) or Paper Based TOEFL 570 (TWE 5.5) Transferable (refer to transfer guide)

CMNS 1160 CR-3

Communications and Teamwork

Students will learn how to communicate successfully in small groups: to participate effectively, to collaborate successfully, to build relationships and teams, to determine and support collective goals, and to plan, track and manage projects. They will engage in group activities that emphasize communication skills and enhance interpersonal and creative problem solving skills.

Prerequisites: English 12 (C) or TPC 12 (C) or ABEE 0091 (C) or PSPE 1091 or ENGP 1091(C) or LPI 26 or (ELST 0381 & 0383 with a B-) or Kwantlen English Assessment Test placement

CMNS 1170 CR-3

Intercultural Communication

Students will develop an understanding of communication and culture; learn to appreciate cultural diversity and the ways in which cultural differences affect communication, and gain and awareness of the importance of intercultural competence. They will study basic principles and skills for improving communication between persons from different cultural backgrounds.

Prerequisites: English 12 (C+) or ABEE 0091 or ENGP 1091 or PSPE 1091 or ENGL 1099 or Kwantlen English Placement Test or ABEE 0097 or PSPE 1097 or ENGP 1097 or an LPI Essay score of 30-Level 5 or [ELST 0381 (B) and 0383 (B)]

CMNS 1216 CR-1.5

Writing for the Specialized Workplace 1

Students will learn how to analyze audience and context in order to communicate effectively in specialized workplace environments which require sensitivity and the ability to tailor messages for audiences with different, often conflicting, needs and priorities. They will learn basic communication strategies, document conventions, resume design, visual design techniques, and correct language usage. The course will be delivered partially online.

Transferable (refer to transfer guide)

CMNS 1217 CR-1.5

Writing for the Specialized Workplace 2

Students will learn how to analyze audience and context in order to communicate effectively in specialized workplace environments involving persuasion, collaboration and conflict resolution. They will learn basic research strategies, teamwork strategies, page design for specialized document creation, and conflict resolution approaches. The course will be delivered partially online.

Prerequisites: CMNS 1216

Transferable (refer to transfer guide)

CMNS 2140 CR-3 (formerly CMNS 2130)

Communications for Design Professionals

Students will learn the written and oral communication skills required by marketing design professionals to develop, manage, and communicate complex information in their professional practice. Students will learn the basis of client and project management in agency and organizational contexts, and the principles, theories and techniques required for designing, developing and communicating creative marketing briefs, proposals, reports, and oral pitch presentations.

Prerequisites: ENGL 1100

Transferable (refer to transfer guide)

CMNS 3100 CR-3

Technical Report Writing

Students will learn written and oral communication skills required by behavioural science professionals to develop, manage, and communicate complex information in their professional practice. They will learn the principles, theories, and techniques required for designing, developing, and communicating proposals, reports, and project plans, and will apply them to written and oral projects integrated within a project management framework throughout the course.

Prerequisites: ENGL 1100 and 3 credits of any 1200 level ENGL course

APPLIED SCIENCE (APSC)

APSC 1124 CR-1

Introduction to Engineering

Students will learn about the practice of Engineering through a series of seminars and field trips conducted by working engineers. They will cover work done in various engineering fields, focusing on particular industries and/or specific disciplines. Students will participate in seminars on several engineering metaskills and complete a group design project followed by a presentation to the class.

Note: This course is part of the first year engineering transfer program.

Prerequisites: Students must be registered in the Applied Science program.

Co-requisites: It is recommended that this course be taken in conjunction with APSC 1151. It is recommended that this course be taken in conjunction with APSC 1151.

Transferable (refer to transfer guide)

APSC 1151 CR-3

Introduction to Engineering Graphics

Students will study technical sketching, orthographic projection, visualization in three dimensions, and conventions of engineering drawing. They will sketch by hand, and will draw with engineering-graphics software on the computer. Students will apply the principles of descriptive geometry to the solution of space problems.

Prerequisites: MATH 1112 or Principles of Mathematics 12 (with a C) or Pre-calculus 12 (with a C)

Transferable (refer to transfer guide)

APSC 1299 CR-3

Introduction to Microcontrollers

Students will work with microcontrollers and C language in a lab setting to learn skills such as circuit design, data acquisition, DIO, ADC, and timing. Working in pairs or small groups, students will complete several labs and one project aimed at finding solutions to specified problems. Students will apply programming and debugging skills to make a device perform as intended.

Note: This course is part of the first year Engineering transfer program.

Prerequisites: CPSC 1103

Transferable (refer to transfer guide)

ART HISTORY (ARTH)

ARTH 1120 CR-3 (formerly FINA 1120)

History of Western Art: Prehistoric to Early Renaissance

Students will study the main achievements of Western Art from the Prehistoric period to the Early Renaissance in Europe. They will examine the impact of cultural, religious, political, societal and technological developments on art. Students will develop their writing skills through assignments that focus on describing, analyzing, and comparing works of art.

Note: This is a writing intensive course.

Prerequisites: English 12 (B) or ENGL 1099 or ENGQ 1099 or ABEE 0091 or ENGP 1091 or ABEE 0092 or ABEE 0097 or ENGP 1097 or Kwantlen English Placement Test placement or an LPI Essay Score of 30 – Level 5 or (ELST 0381 & 0383 B)

Transferable (refer to transfer guide)

ARTH 1121 CR-3 (formerly FINA 1121)**History of Western Art: Renaissance to the 20th Century**

Students will study the main achievements of Western Art from the Renaissance to the 20th century in Europe and North America. They will examine the impact of religious, political, societal, and technological developments on art.

Transferable (refer to transfer guide)

ARTH 1130 CR-3**Introduction to Film Studies**

Students will study the history and development of world cinema and will examine film as a visual language and art-making practice from its inception in the nineteenth century to the present. They will learn methods for exploring aesthetic function and for considering the social, political, and technological contexts of moving pictures.

Transferable (refer to transfer guide)

ARTH 2122 CR-3**Art In Flux: The Modern Period**

Students will study the development of modern art movements in the period from 1850 to 1944, Realism to Surrealism, in Europe and North America. They will identify the important issues related to Modern Art including the introduction of photography as an artistic medium and in terms of urban capitalism, issues of gender representation, social class and social consciousness, and theories related to abstract visual language. Students will also be introduced to critical analysis of art theory in the Modernist period.

Note: Students may not get credit for both FINA 1122 and ARTH 2122 for graduation purposes.

Transferable (refer to transfer guide)

ARTH 2124 CR-3**Indigenous Art**

Students will study visual language from a variety of indigenous cultures. They will explore important stylistic periods and artistic traditions within a historical context, and will examine the political, spiritual, and cultural issues informing and influencing the visual arts outside of a Western perspective.

Prerequisites: ENGL 1100

Transferable (refer to transfer guide)

ARTH 2126 CR-3**Canadian Art**

Students will examine the development of Canadian art from the Modernist to Post-Modernist and Contemporary periods, across Canada, coast to coast. They will investigate the cultural influences on visual language from one stylistic period to the next, one region to another, as well as critiquing the idea of the artist as an exemplary creator. The present Canadian art scene will be the focus of student investigation, as well as the development of their critical-thinking skills in interpreting visual language.

Prerequisites: ARTH 1120 or ARTH 1121 or FINA 1120 or FINA 1121 or by permission of the instructor

Transferable (refer to transfer guide)

ARTH 2222 CR-3**Art: 1945 to the Present**

Students will examine the development of visual language in Western art from the 1950's to the Twenty-First Century. They will investigate cultural and technological influences on Western art from the Abstract Expressionist period to the Post-Modernist aesthetic, as well as participating in analysis and interpretation of video art, digital art, performance art and other multi-media venues.

Prerequisites: ARTH 1120 or 1121 or FINA 1120 or FINA 1121 or by permission of the instructor

Transferable (refer to transfer guide)

ARTH 3100 CR-3**Special Topics in Art History**

Students will engage in an intensive study of a special topic in art history selected by the instructor. They will study the career of a particular artist or examine an artistic movement, stylistic period or consider the topic from a thematic perspective. The students may utilize an exhibition at a local publicly-funded Class A gallery. Students will write one research paper.

Prerequisites: ARTH 1120 and ARTH 1121

Not Transferable

ARTH 3121 CR-3 (formerly FINA 3121)**Italian Renaissance and Mannerist Art**

Students will study the art of the Italian Renaissance and Mannerist periods. They will study the dominant artists of the period as well as their patrons. Students will examine the impact of cultural, religious, political, societal, ideological, and technological developments on the art.

Prerequisites: (FINA 1120 or ARTH 1120) and (FINA 1121 or ARTH 1121)

Transferable (refer to transfer guide)

ARTH 3122 CR-3**Art and the Age of Revolution**

Students will study the complex ways in which social and political change, and ideologies of gender, class, race and ethnicity, worked to shape aspects of visual art and culture from the late eighteenth to early twentieth century in Europe and North America. Students will focus on the roles played by industrialization, political ideology, rapid urban growth, global commerce, and the new media technologies of an expanding consumer culture in defining a wide range of visual culture. They will also examine different representations and debates around the idea of modernity and the modern, exploring the dynamic relationship between image and event in the "Age of Revolution."

Note: This is a seminar course. Credit will not be provided for both ARTH 3122 and ARTH 3100: Art and the Age of Revolution.

Prerequisites: ARTH 1120 and 1121

Not Transferable

ARTH 3130 CR-3

Film and the City

Students will study the dynamic intersections of the filmic medium and the emergence of the city as both a conceptual and material idea, examining how filmmakers and the techniques of filmmaking from the early twentieth century forward have been closely bound up in representing the visual, spatial, and mental contours of the metropolis. They will examine film's critical role in the development of modern visual culture, exploring how the evolving city and its various filmic representations have helped frame the development and understanding of important themes emerging in the history of modern and contemporary art.

Note: This is a seminar course. Credit will not be given to both ARTH 3130 and ARTH 3100: Film and the City

Prerequisites: (ARTH 1120 and ARTH 1121) or ARTH 1130
Transferable (refer to transfer guide)

ARTH 3140 CR-3

History of Photography

Students will study the history of photography and photographic practices from the mid-19th century to the present. They will be introduced to present and past uses of the medium in a number of specific historical, social, and theoretical contexts that examine how photographic images have circulated as both unstable and highly mobile objects within and outside the history of art. Students will learn the basic tools and terminology for analyzing photographic images through an introduction to critical and historical methods.

Note: This is a seminar course. Credit will not be given to both ARTH 3140 and ARTH 3100 Special Topic: History of Photography.

Prerequisites: ARTH 1120 and ARTH 1121
Not Transferable

ARTH 3150 CR-3

New Media in Art

Students will undertake a critical and historical examination of new media and the influence of technological, networked, and computerized information and communication technologies in the development of innovative formats of art making from the late nineteenth century to the present. They will also focus on how contemporary new media art practices can be understood in a broader historical and social context involving changing ideas about time, duration, narrative, and the most recent turn to a digitally mediated world.

Note: This is a seminar course. Credit will not be given for both ARTH 3150 and ARTH 3100: New Media in Art

Prerequisites: ARTH 1121 and (ARTH 1120 or ARTH 1130)
Not Transferable

ASIAN STUDIES (ASIA)

ASIA 1111 CR-3 (formerly HUMN 1111)

The Religions of India

Students will study the four major religions that originated in India: Hinduism, Buddhism, Jainism and Sikhism. They will study these religions with an emphasis on both scriptural sources and religious practices. They will also examine the development of these religious traditions within their socio-cultural and historical contexts, including Islamic influence.

Transferable (refer to transfer guide)

ASIA 1311 CR-3

Religions of East Asia

Students will study the major religions of East Asia. They will critically examine the history and doctrines of religions including Daoism, Buddhism, and Shintoism. Students will analyze how these religions evolved over time in response to local conditions, and how they influenced the formation of Chinese, Korean, and Japanese cultures.

Transferable (refer to transfer guide)

ASIA 2120 CR-3

Introduction to Chinese and Japanese Cinema

Students will be introduced to select films produced in China and Japan. They will examine the ways in which these films view and critique Chinese and Japanese traditions and modernity. They will also explore issues related to gender, identity, and nationalism. Students will develop an appreciation of the aesthetic and cultural values of East Asia and an understanding of recent Chinese and Japanese society through the lens of the assigned films, discussions, and readings.

Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)

ASIA 2150 CR-3

Tea in China and Japan

Students will explore the rich history, material culture, and practices related to the Chinese and Japanese "way of tea". They will examine the ways in which tea(s) from China and Japan have shaped East Asian history, including economic trade routes, social practices, and governments. Students will learn that tea in China and Japan is not just a historical artifact—it is a practice and way of life. They will be introduced to the discovery and establishment of tea and tea culture in China and Japan as well as the cultural connections and practices related to tea as a living tradition, including links to East Asian religions, aesthetic traditions, and art. Students will develop an understanding of the multi-faceted and rich cultural basis for what Japanese Tea Master Kakuzo Okakura called "a cup of humanity", through lectures, tea demonstrations, readings, and other activities.

Note: It is recommended that students complete HIST 1150 prior to taking this course.

Note: This course is cross-listed with HIST 2150. Students may only receive credit for either ASIA 2150 or HIST 2150.

Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)

ASIA 2151 CR-3

Folklore of China and Japan

Students will explore various myths in Japanese and Chinese culture and examine folklore practices such as festivals in the ancient, pre-modern, and modern periods. Students will learn about Chinese and Japanese creation myths, the most well-known folk deities in these cultures, popular festivals and folk rituals, as well as important creatures and spirits in Japanese and Chinese folklore. Students will examine the formation and transformation of folklore throughout the cultural history of China and Japan, with particular emphasis on their metamorphoses within popular cultural forms in the contemporary world.

Note: HIST 1150 and ASIA 1311 recommended prior to taking this course.

Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)

ASIA 2156 CR-3**Martial Arts of China and Japan**

Students will challenge the portrayal of East Asian martial arts as ancient, timeless, and even mystical, by examining the history of the martial arts. They will examine how military techniques intended for use in war, policing, and the control of banditry came to be practiced as methods of moral, spiritual, and physical self-cultivation. Students will examine the historical origins of martial arts in Japan and China, their evolution over time, and how they both subverted and served state agendas in the modern era. They will also examine the role of martial arts in popular culture.

Note: This course is cross-listed with HIST 2156. Students may only receive credit for either ASIA 2156 or HIST 2156.

Prerequisites: Any 6 credits at the 1100 level or higher Transferable (refer to transfer guide)

ASIA 2250 CR-3 (formerly SOCI 2100)**South Asians Around the Globe**

Students will study the South Asian diaspora-the fragment of an ethnic community that exists outside of its "homeland"-with a focus on the South Asian communities in Western Canada. They will examine social theory related to migration and social adaptation. Students will investigate the major social issues that immigrant communities often face in the process of adaptation to Canada both at the personal and community levels.

Prerequisites: HUMN 1111 or SOCI 1125 or ANTH 1100 or 15 credits of 1100-level courses or higher Transferable (refer to transfer guide)

ASIA 2252 CR-3**Indian Society through Popular Film**

Students will examine Indian culture and society through the medium of popular cinema, ranging from post-1947 Hindi classics to some more recent Bollywood blockbusters. They will investigate the ways in which Indian history and culture are depicted in film, including issues like nation building, gender, caste, nationalism versus regionalism/communalism, and globalization. In doing so, students will explore 'depicted reality' versus 'historical reality', the notion of the family as the symbol of the nation, as well as the relationship between the homeland (desh) and the West/diaspora (pardesh). Students will also study several films made by South Asian filmmakers in the diaspora.

Prerequisites: 15 credits of 1100-level or higher Transferable (refer to transfer guide)

ASIA 2255 CR-3**Women in Modern India**

Students will examine the changes and continuities in the lives of women in modern India from the 1800s up to the present. They will explore the various images, statuses, roles and living conditions of women in the Indian subcontinent based on primary texts, secondary literature, film and contemporary news articles. Students will investigate the religious, social, cultural and political forces that have affected and continue to impact women in modern India. Students will also reflect upon current debates or controversies surrounding women both in the Indian subcontinent and in the Indian diaspora.

Prerequisites: SOCI 1125 or HUMN 1111 or HIST 2362 or ANTH 1100 Transferable (refer to transfer guide)

ASIA 2355 CR-3**The Chinese Overseas: A Global History of Chinese Migration**

Students will undertake an analysis of migration in modern Chinese history, with an emphasis on overseas migration. They will be introduced to relevant theories concerning migration, diaspora, and transnationalism before examining and analyzing the development of ethnic Chinese communities abroad over the past two centuries.

NOTE: This course is cross-listed as HIST 2355. Students who have taken HIST 2355 may not receive credits for both HIST 2355 and AISA 2355.

Prerequisites: Any HIST 1100 or higher Transferable (refer to transfer guide)

ASIA 2399 CR-3**Readings in Asian Studies**

Students will examine key issues in Asian society, culture, economy, and/or politics under the direction of a faculty member in Asian Studies with expertise in the area. They will examine a selected topic in depth and will be required to complete both readings and research in this area. Students will be required to identify relevant sources of information and demonstrate a comprehensive understanding of the topic. Note: This course may be repeated more than once for credit, to a maximum of 9 credits.

Prerequisites: 6 credits of 1100-level or higher courses; Note: ENGL 1100 strongly recommended Transferable (refer to transfer guide)

ASIA 3140 CR-3**Environment and Society in East Asia**

Students will critically analyze the interaction between environments and societies in East Asia. They will critically examine environmental history, institutional politics, property rights, and political ecology. Students will analyze the historical background of specific environmental problems, examine the legacies of late imperial, early twentieth, and late twentieth century policies on the use and abuse of natural resources. They will critically examine a broad range of issues including agriculture, forests, wildlife and biodiversity, grasslands, water, and the impact of "mammoth projects". NOTE: ASIA 3140 is cross-listed with HIST 3140. Students may only receive credit for either ASIA 3140 or HIST 3140.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH Transferable (refer to transfer guide)

ASIA 3149 CR-3**Hong Kong: Past, Present, and Future**

Students will undertake an in-depth analysis of Hong Kong's history from its days as a remote fishing outpost and pirate haven, through its development as a British-administered trading port and colony, and finally to its emergence as a Pacific Rim economic powerhouse. They will place historical developments in Hong Kong into a broader regional and global context. Students will also critically analyze contemporary issues such as the impact of Hong Kong's liberation from colonial rule, the role of "One Country – Two Systems" in protecting Hong Kong's unique character, the region's economic prospects following the opening of China's economy, and the ongoing struggle for democratic reform. NOTE: This course is cross-listed with HIST 3149. Students may only receive credit for either ASIA 3149 or HIST 3149.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH Transferable (refer to transfer guide)

ASIA 3150 CR-3**East Asian Immigrants to North America**

Students will critically analyze East Asian immigration to North America over the past two hundred years. They will also examine settlement experiences in North America, with a particular emphasis on the connections between immigrants and their homelands, interactions among East Asian immigrants and other groups in North America, and the development of ethnic communities. Students will critically examine issues including discrimination and racism, anti-immigrant legislation, the creation of ethnic enclaves, Japanese internment, the struggle for civil and political rights, assimilation and multiculturalism, inter-generational tensions within ethnic communities, transnationalism, and contemporary migration issues. Note: ASIA 3150 is cross-listed with HIST 3150. Students may only receive credit for either ASIA 3150 or HIST 3150.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANT

Transferable (refer to transfer guide)

ASIA 3151 CR-3**Gender in East Asia**

Students will critically analyze the role of gender in contemporary East Asia, and in doing so gain a unique opportunity to explore differences in the conceptualization of gender among countries and regions. They will, by going beyond dichotomies of East and West, traditional and modern, critically examine gender issues from a theoretically informed and comparative perspective. Students will critique different conceptualizations of feminism, the gendered effects of economic change, the relationship of gender to politics and the state, and the historical and transnational contexts which shape gender relations. They will, therefore, gain an insight into the situation of women in contemporary East Asia, as well as extend their understanding of the dynamics of gender in the contemporary world.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH

Transferable (refer to transfer guide)

ASIA 3152 CR-3**Ethnicity in China and Japan**

Students will examine the rich diversity of the Chinese and Japanese populations and their place in East Asian political and historical narratives. They will critically analyze the ways in which these many ethnic groups have dominated, informed, or otherwise played important roles in the governance, social development, and economic development of China and Japan. Students will also critically analyze the narratives of unity produced in the pursuit of nationalism and nation-building, and examine the ways in which these narratives have downplayed the diversity of the region's peoples. They will critically examine the making of majorities and minorities and how these were marked across cultural, regional, and national boundaries. Students will analyze and critique the various ways in which racial, ethnic, and national identities were defined, institutionalized, and reproduced in the early modern and modern periods.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH

Transferable (refer to transfer guide)

ASIA 3154 CR-3**Chinese Cinema and Society**

Students will critically analyze films produced by some of the most recognized directors from China, Hong Kong, and Taiwan. They will examine issues of nationhood, national identity, national trauma, and the national past through these films. Students will also analyze the way in which some directors have begun to focus on the effects of globalization on contemporary Chinese society and culture. They will critically analyze Chinese cinema as a transnational phenomenon with extensive links to Asia and the rest of the world. Students will also critically examine how Chinese cinema has shaped both Chinese and foreign understandings of Chinese history and culture.

Note: ASIA 2120 is strongly recommended

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH

Transferable (refer to transfer guide)

ASIA 3230 CR-3**Islam in South Asia**

Students will critically analyze the history and influence of Muslim communities and Islamic institutions in South Asia. They will examine and analyze the broad historical currents of the expansion of Islam on the Indian subcontinent, the nature of Muslim political authority, the interaction among religious communities, and Islamic aesthetics and contributions to material culture. Students will also critically analyze the multiple engagements with and reactions of Muslims to colonial rule, as well as the partition of British India and the creation of Pakistan, the relationship between Islam and gender in South Asia, and the contemporary concerns of South Asia's Muslims.

Note: ASIA 1111 highly recommended.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH

Transferable (refer to transfer guide)

ASIA 4350 CR-3**Canadian East and South Asian Communities**

Students will critically examine the theories surrounding the study of migration and adaptation, as well as explore the local experience of East and South Asian communities in Canada, with emphasis on the post-World War II period. They will critically look at immigrants as 'social actors' and active contributors to their own social and cultural transformation as they engage with the new and changing social, economic and political structures of Canadian society. Students will conduct a field research project from a social science perspective on an Asian community in the urban field site of Greater Vancouver or in the Fraser Valley region. Students will develop important field research skills and gain exposure to the pertinent issues surrounding the complexity of the Asian immigrant experience in Canada's multicultural environment.

Note: This is a seminar course.

Prerequisites: 45 credits at the 1100 level or higher including 6 credits of ASIA or ANTH or HIST at the 3000 level or higher

Transferable (refer to transfer guide)

ASIA 4351 CR-3

Advanced Topics in Asian Cinema

Students will engage in the critical study of selected genres/directors/national film industries within Asia. Students will critically evaluate a number of methodological approaches to the study of Asian cinema, assess the implications of these approaches, and identify their strengths and weaknesses. Students will also critically analyze the global influence of selected Asian cinema genres/directors/national film industries.

NOTES: This is a seminar course.

Students may take this course more than once, in consultation with the Asian Studies Coordinator.

ASIA 2120 or ASIA 2252 or ASIA 3154 strongly recommended

Prerequisites: 45 credits at the 1100 level or higher including 6 credits of ASIA or ANTH or HIST at the 3000 level or higher Transferable (refer to transfer guide)

ASIA 4499 CR-3

Selected Topics in Asian Studies

Students will engage in the study of a particular issue within the discipline of Asian Studies. They will critically analyze the topic from a broad variety of perspectives, thereby developing a comprehensive understanding of both the issue itself and the related research. Students will critically evaluate a number of methodological approaches, assess the implications of these approaches, and identify their strengths and weaknesses.

NOTE: This is a seminar course. This course may be repeated more than once for credit, to a maximum of 12 credits.

Prerequisites: 60 Credits of 1100 level or higher courses, including 9 credits of ASIA or HIST at the 1100 level or higher Not Transferable

ASIA 4900 CR-3

Directed Research Project in Asian Studies

Students will, under the close supervision of a faculty member with relevant expertise, develop and complete an in-depth research project on a particular topic/problem in Asian Studies that is not covered in sufficient detail in other courses. Students will, in undertaking a directed research course, be required to identify a topic/problem, create an annotated bibliography of relevant primary and secondary sources, write an analytical research paper on the chosen topic/problem, and give a public presentation of their research findings.

NOTE: This is a seminar course, topic to be developed in consultation with the Asian Studies Coordinator. Topic must be submitted for approval at least three months before the start of a new semester.

Prerequisites: 45 credits at the 1100 level or higher including 6 credits of ASIA or ANTH or HIST at the 3000 level or higher Not Transferable

ASTRONOMY (ASTR)

ASTR 1100 CR-4

Introduction to Astronomy

Students will study a wide range of topics in astronomy from the point of view of a non-scientist. They will study topics including the earth, solar system, stars, the Milky Way, galaxies and cosmology and will discuss and study current events of astronomical interest. The laboratory component will include indoor experiments and outdoor observations. This is an introductory course in astronomy intended for students not specializing in science. No prior study of physics or astronomy is required.

NOTE: This course may not be used for credit towards a science degree or as a prerequisite for further science courses. This course may be used to partially fulfill quantitative requirements for a Bachelor of Arts degree, science requirements for an elementary teacher education program, lab science requirements for an Associate of arts degree, and liberal education/breadth credits for Kwantlen degrees.

Transferable (refer to transfer guide)

ASTR 1105 CR-3

Basic Astronomy

Students will study a wide range of topics in astronomy from the point of view of a non-scientist. They will study topics including the Earth, the Solar System, stars, the Milky Way, galaxies and cosmology and will discuss and study current events of astronomical interest.

NOTE: No prior study of physics or astronomy is required. Only one of ASTR 1100 or ASTR 1105 can be taken for credit.

Transferable (refer to transfer guide)

ASTR 1120 CR-4

Introduction to Astrophysics

Students will study topics including the solar system, stars, the Milky Way, galaxies and cosmology as well as observational and theoretical techniques used to study these systems. They will apply physical laws and principles in order to analyze and solve problems in astrophysics. Students will conduct indoor experiments and outdoor observations in the lab component.

NOTE: This is an introductory course in astronomy intended for students in science. ASTR 2101/2102 rather than ASTR 1120 are recommended for students who intend to pursue studies in Astronomy.

Prerequisites: PHYS 1100 or Principles of Physics 12 (C) Transferable (refer to transfer guide)

ASTR 2101 CR-3

Astrophysics I: Stellar Astrophysics

Students will study the observed characteristics of stars, radiation and stellar spectra, the interior structure of stars, nuclear reactions and stellar evolution, white dwarfs, neutron stars and black holes.

Prerequisites: (PHYS 1120 or 1101) and (MATH 1120 or 1130 or 1140) (PHYS 1220 or 1102 is recommended) Transferable (refer to transfer guide)

ASTR 2102 CR-3**Astrophysics II: Galactic Astronomy**

Students will study the basic properties of the Milky Way Galaxy, kinematics of stars, star clusters and stellar evolution, stellar populations and chemical evolution, rotation and the mass of the Galaxy, the formation of the Galaxy.

Prerequisites: (PHYS 1120 or 1101) and (MATH 1120 or 1130 or 1140) (ASTR 2101 and one of PHYS 1220 or 1102 is recommended)

Transferable (refer to transfer guide)

ASTR 3110 CR-3**Exploring the Solar System**

Students will survey, without the use of advanced mathematics, recent discoveries about the planets and other objects in the solar systems. They will also study the sun, the existence of planetary systems around other stars, and the search for life.

NOTE: This is an introductory course in astronomy intended for students not specializing in science. No prior study of physics or astronomy is required.

NOTE: This course may not be used for credit towards a science degree or as a prerequisite for further science courses. This course may be used to partially fulfill quantitative requirements for a Bachelor of Arts degree, science requirements for an elementary teacher education program, lab science requirements for an Associate of arts degree, and liberal education/breadth credits for Kwantlen degrees.

Prerequisites: 45 credits of 1100-level or higher courses, including ENGL 1100

Transferable (refer to transfer guide)

ASTR 3111 CR-3**Exploring Stars & Galaxies**

Students will survey, without the use of advanced mathematics, recent discoveries in modern astronomy. They will study stars, pulsars, black holes, galaxies, quasars and the origin and evolution of the Universe.

NOTE: This is an introductory course in astronomy intended for students not specializing in science. No prior study of physics or astronomy is required.

Prerequisites: 45 credits of 1100-level or higher courses, including ENGL 1100

Transferable (refer to transfer guide)

AUTOMOTIVE SERVICE TECHNICIAN (ASTA)

ASTA 1100 CR-3**Safety, Communication, Tools and Fasteners**

Students will learn to operate safely in the automotive shop environment and will learn the proper use of hand tools and fastening devices. They will use precision measurement tools, will take measurements, and will make mathematical calculations relating to the automotive industry. Students will also learn to communicate using automotive industry terminology.

ASTA 1110 CR-1.5**General Automotive Services, Practices and Maintenance**

Students will learn to safely service and maintain the modern automobile, selecting the proper fluids and lubricants. They will learn to assess and repair leaks while servicing and replacing gaskets, seals and hoses.

Prerequisites: ASTA 1100

ASTA 1120 CR-6.5**Electrical Fundamentals, Diagnosis and Repair**

Students in classroom and shop will learn to solve problems related to automotive electrical systems. They will apply scientific principles to explain the fundamentals of magnetism. Students will service, test and diagnose problems related to batteries and will be able to test and repair simple electrical circuits. Students will also learn to explain the operation of starter motors and AC generators as well as test and diagnose them.

Prerequisites: ASTA 1110

ASTA 1130 CR-6.5**Steering, Frames, Suspension and Wheel Alignment**

Students will learn to identify various types of frame, suspension, and steering systems. They will use the correct procedures for diagnosing and repairing the different types of steering and suspension systems. Students will also learn to perform wheel alignments.

Prerequisites: ASTA 1120

ASTA 1140 CR-5**Automotive Braking Systems**

Students will learn the scientific principles of the brake system. They will learn to service and repair the hydraulic systems components on both drum and disc brake systems. Students will master brake system diagnosis, service and repair, as well as learn the principles and service of antilock braking systems.

Prerequisites: ASTA 1130

ASTA 1150 CR-1**Welding**

Students will learn welding safety and the basic operation of oxy-fuel cutting and welding procedures on mild steel plate, light tubing, and 14/18 gauge sheet metal. They will also learn metal inert gas (MIG) welding procedures and applications. Students will demonstrate these three processes through a number of shop projects.

Prerequisites: ASTA 1140

ASTA 1160 CR-1.5**The Internal Combustion Engine**

Students will learn the operation of the internal combustion engine. They will learn the theory of engine blocks and their related components as well as crankshafts, friction bearings, pistons, piston rings and connecting rods. They will also learn the theory of cylinder head and camshaft design and operation.

Prerequisites: ASTA 1150

ASTA 1170 CR-2.5

Power Train Fundamentals

Students will learn to diagnose, service and repair drivelines, universal joints and constant velocity joints. They will learn to diagnose and repair standard transmissions, clutches and their related components, and will learn the operation and service of automatic transmissions and transaxles. Students will also learn to diagnose, service and repair the automotive differential.

Prerequisites: ASTA 1160

ASTA 1180 CR-5

Engine Management and Control Systems

Students will learn to diagnose, service and repair automotive fuel delivery and ignition systems, from carburetion to fuel injection, and ignition systems from contact points to direct ignition systems. Students will also learn to test and repair emission control devices.

Prerequisites: ASTA 1170

B

BIOLOGY (BIOL)

BIOL 1110 CR-4

Introductory Biology I

Students will study the diversity of life on Earth, the classification of organisms, and the interactions of organisms with their environments. They will examine the structure and function of body systems in a variety of organisms.

Transferable (refer to transfer guide)

BIOL 1112 CR-4

Biology Today

Students will focus on current advances in human heredity and evolution and will examine some of the most exciting and controversial topics in current day Biology, including cloning, stem cell research and genetically modified foods. In the labs students will make a DNA fingerprint, isolate and amplify their own DNA and have a chance to use equipment found in high-tech facilities.

NOTE: This course may not be used for credit towards a science degree or as a prerequisite for further science courses. This course may be used to partially fulfill quantitative requirements for a Bachelor of Arts degree, science requirements for an elementary teacher education program, lab science requirements for an Associate of arts degree, and liberal education/breadth credits for Kwantlen degrees.

Transferable (refer to transfer guide)

BIOL 1160 CR-4

Anatomy and Physiology I

Students will study the major organ systems of the human body responsible for support, movement, circulation, respiration and digestion. They will also overview nervous and endocrine control, microbiology, and examples of drug actions and effects. Students will study these topics using a self-directed modular format.

Prerequisites: BIOL 1110 or [(CHEM 1094 or CHEQ 1094 or Chemistry 11 with a grade of C+)] and (ABEB 0012 or BIOP 1012 or BIOQ 1099 or Biology 12 with a grade of C+)]

Transferable (refer to transfer guide)

BIOL 1210 CR-4

Introductory Biology II

Students will study concepts of inheritance and biological evolution. They will examine the major classes of biological chemicals, the structure and function of cells, and the processes of cellular respiration and photosynthesis. They will study the patterns and mechanisms of embryological development.

Prerequisites: BIOL 1110

Transferable (refer to transfer guide)

BIOL 1260 CR-4

Anatomy and Physiology II

Students will continue to study the major organ systems of the human body, focusing on the excretory, nervous, immune and reproductive systems. Examination of these systems will include related, basic concepts in microbiology, and examples of drug actions and effects. Students will study these topics using a self-directed modular format.

Prerequisites: BIOL 1160

Transferable (refer to transfer guide)

BIOL 2320 CR-4

Genetics

Students will examine the principles of heredity, transmission of traits, exchange of genetic information, mutation, linkage, gene action and recombinant DNA technology, with emphasis on problem solving. They will acquire a variety of laboratory skills including sterile techniques, isolation of DNA, electrophoresis and photo microscopy.

Prerequisites: BIOL 1110 and BIOL 1210

Transferable (refer to transfer guide)

BIOL 2321 CR-4

Cell Biology

Students will examine the ultrastructure of the eukaryotic and prokaryotic cell along with molecular activities associated with these structures. They will also identify and understand the experimental techniques and data that support the current view of cell structure and function. Students will develop considerable skill in the preparation of materials for microscopic examination.

Prerequisites: BIOL 1110 and BIOL 1210 and CHEM 1110

Transferable (refer to transfer guide)

BIOL 2322 CR-4

Ecology

Students will learn the basic properties of ecosystem, community and population ecology, including energy transfer, mineral cycling, community structure and dynamics, competition, predation, evolution and population dynamics. They will also perform lab and field work.

Prerequisites: BIOL 1110 and BIOL 1210

Transferable (refer to transfer guide)

BIOL 2330 CR-4

Microbiology

Students will study a variety of microorganisms including bacteria, fungi, algae, protozoa, and viruses. They will examine several aspects of microorganisms, including diversity, structure and function, metabolism, growth, reproduction and genetics.

Prerequisites: BIOL 1210

Co-requisites: CHEM 1110 or ENVI 1106 CHEM 1110 or ENVI 1106

Transferable (refer to transfer guide)

BIOL 2421 CR-3

Cellular Biochemistry

Students will learn the patterns and reactions of cellular metabolism with particular attention to the structure and function of proteins, the mechanisms of reactions, and the interrelationships and control of catabolism and anabolism.

Prerequisites: BIOL 1110, BIOL 1210, BIOL 2321 and CHEM 2320

Co-requisites: CHEM 2420 CHEM 2420

Transferable (refer to transfer guide)

BIOL 3215 CR-4

Zoology

Students will investigate animal diversity with an emphasis on the evolutionary relationships and unifying characteristics within and among extant animal taxa. Students will survey major invertebrate and vertebrate taxa in the context of ecological niche diversity, functional morphology, and comparative anatomy, by classroom lectures, observation of live specimens, and dissection. Students will further explore animal diversity and unifying characters among animal taxa by learning about fossil evidence from the Cambrian explosion, Cretaceous-Tertiary extinction and other major events in animal evolution.

Prerequisites: BIOL 1110, BIOL 1210 and BIOL 2322

Transferable (refer to transfer guide)

BIOLOGY QUALIFYING (BIOQ)

BIOQ 1098 CR-4 (formerly BIOP 1011)

Introduction to Biology

Students will survey the diversity of life through time, and through diverse environments, applying the twin themes of evolution via natural selection and environmental ecology. They will examine the relationships of organisms with other members of the same species, with other species, and with the physical environment.

Prerequisites: English 12 (C), or English 12 First Peoples (C), or English 11 (B), or ENGQ 1099, or ENGQ 1091, or ENGQ 1092, or ENGQ 1089, or (ENGQ 0084 and ENGQ 0085), or ELST 0381 (B-), or LPI Score (Essay 26 with EU 6+ and Reading Comprehension 16), or ACP placement, or EPT, or IELTS 6.0 (no band less than 6.0), or iBT 80.

Not Transferable

BIOQ 1099 CR-4

Introduction to Human Biology

Students will study introductory organic chemistry, bioenergetics, cell structure and function, and inheritance and genetics. Students will also study the anatomy and physiology of the human body, with particular emphasis on nutrition and the body's response to infectious disease.

Prerequisites: English 12 (C), or English 12 First Peoples (C), or English 11 (B), or ENGQ 1099, or ENGQ 1091, or ENGQ 1092, or ENGQ 1089, or (ENGQ 0084 and ENGQ 0085), or ELST 0381 (B-), or LPI Score (Essay 26 with EU 6+ and Reading Comprehension 16), or ACP placement, or EPT, or IELTS 6.0 (no band less than 6.0), or iBT 80

Not Transferable

BREWING & BREWERY OPERATIONS (HOPS)

HOPS 1100 CR-3

Introduction to Brewing

Students will be introduced to the history of beer and brewing. They will study the evolution of the brewing industry and the role played by individuals, organizations and governments. They will learn about the historical role of beer in nutrition, the impact of alcohol on the human body and the responsible use of alcohol.

Not Transferable

HOPS 1105 CR-3

Brewing 1

Students will learn the fundamentals of beer making, be introduced to basic ingredients used in brewing and will operate and perform equipment maintenance.

Not Transferable

HOPS 1110 CR-3

Sensory Evaluation and Ingredients

Students will learn how various ingredients affect the style and quality of beer. Students will develop skills to critically evaluate a beer's sensory properties, judge quality and detect potential defects in beer. They will investigate the physiology and psychology of sensory perception, and assess and describe the elements of beer quality using the appropriate terminology.

Not Transferable

HOPS 1205 CR-3

Brewing 2

Students will further develop their understanding of the beer making process. They will learn to select ingredients used in brewing. Students will operate and maintain equipment.

Prerequisites: HOPS 1105 and HOPS 1110

Not Transferable

HOPS 1211 CR-4

Brewing Microbiology

Students will learn about the role of yeasts and other microorganisms in the brewing process. They will gain the knowledge necessary to manage yeast and control fermentation in order to optimize the brewing process and control the finished beer flavour. They will develop practical skills in brewing microbiological laboratory analysis.

Prerequisites: Chemistry 12 (C+) or CHEM 1105

Not Transferable

HOPS 1212 CR-4

Brewing Chemistry

Students will review chemistry fundamentals as they apply to the production of beer with emphasis on production, fermentation, and filtration. Students will study the properties of gases and liquids, thermodynamics, pH, and pressure, and how they influence brewery production processes and beer quality. Students will develop knowledge and skills about the different types of chemicals used in beer production and maintenance of brewery hygiene. Students will become familiar with the lab equipment and lab techniques used to measure, monitor, and analyze the different chemical properties of beer.

Prerequisites: Chemistry 12 (C+) or CHEM 1105

Transferable (refer to transfer guide)

HOPS 1213 CR-3**Brewing Equipment and Technology**

Students will learn the efficient use of unit operations and processing equipment employed by the commercial beer making industry. They will examine safety considerations, quality requirements, environmental issues, and food safety regulations. Students will be introduced to the fundamentals of brewery services such as pumps, process automation, and utilities.

Prerequisites: HOPS 1105

Not Transferable

HOPS 1214 CR-3**Introduction to Finishing and Packaging**

Students will study storage and different types of filters as they pertain to the clarification of beer. Students will practice carbonation methods and the stabilizing of beer ready for packaging operations. They will develop a basic knowledge of bottling, canning and kegging beer. Students will practice processing techniques and packaging.

Prerequisites: HOPS 1105

Not Transferable

HOPS 2300 CR-2**Brewing Work Experience**

Students will participate in an approved work experience with a craft brewer, brewpub or major brewery (Minimum 455 hours). Students will be assigned to a variety of tasks at their work placement to increase their experience in the brewing and business operations of a brewery.

Prerequisites: Completion of all Year 1 HOPS courses

Not Transferable

HOPS 2301 CR-1**Brewing Work Experience Dissemination**

Students will summarize their work experience gained in HOPS 2300 orally and in writing. They will participate in class discussions.

Prerequisites: HOPS 2300

Not Transferable

HOPS 2305 CR-3**Brewing 3**

Students will learn advanced brewing techniques. They will independently operate and control brewing facilities. Students will further develop their knowledge of the beer-making process and the critical role of brewery safety.

Prerequisites: HOPS 1205

Not Transferable

HOPS 2310 CR-3**Product Evaluation and Judging**

Students will evaluate a beer's sensory properties under the categories of style profiles, quality and potential defects. Students will develop the necessary skills to organize and manage basic sensory panels within a brewery setting. They will be introduced to consumer sensory science practices. Students will develop strategies for participation in beer competitions.

Prerequisites: HOPS 1110

Not Transferable

HOPS 2314 CR-3**Advanced Finishing and Packaging**

Students will study advanced filtration techniques and filter design. Students will explore the use of different carbonation and clarification methods. They will study methods used to stabilize beer. Students will assess the factors which contribute to proper beer service.

Prerequisites: HOPS 1214

Not Transferable

HOPS 2315 CR-3**Calculations and Recipe Formulation**

Students will develop beer recipes for testing in other brewing courses. They will use calculations to develop a brewery capacity plan, manage materials and determine precise alcohol levels as well as grain and hop usage rates in the beer recipes.

Prerequisites: HOPS 1205

Not Transferable

HOPS 2405 CR-6**Brewing 4**

Students in this final capstone course will apply advanced techniques of beer making to create a signature beer. Students will develop signature recipes that reflect a variety of seasonal and specialty beers. They will develop a complete analysis and report of each product.

Prerequisites: HOPS 2305 and HOPS 2310 and HOPS 2314 and HOPS 2315

Not Transferable

HOPS 2420 CR-3**Beer Sales and Promotions**

Students will be introduced to sales management and promotional marketing techniques for the beer industry, including the regulatory requirements for the sale and advertisement of beer in British Columbia and the license requirements to sell beer. Students will learn about important factors to consider in creating a sales and marketing plan and in setting up and running a sales department.

Not Transferable

HOPS 2421 CR-3**Brewery Management Business Planning**

Students will learn the fundamentals of brewery management business planning. They will study scheduling of brewery operations and personnel, legal compliance, and record keeping. Students will be introduced to the basics of managing employees and teams.

Not Transferable

HOPS 2422 CR-3**The Brewing Industry**

Students will study the scope of the beer industry and its impact on the community and the economy. They will be introduced to the governmental regulatory bodies and industry trade organizations which impact brewing companies. Student will learn about the distribution and container management systems that operate in British Columbia.

Not Transferable

BUSINESS & QUANTITATIVE METHODS (BUQU)

BUQU 1130 CR-3

Business Mathematics

Students will learn methods, procedures and applications of business mathematics, including the mathematics of merchandising, simple interest, and compound interest. Applications include discounts and markups, cost-volume-profit, short-term and long-term loans, credit card debt, savings and payment plan annuities, mortgages, bonds and investment decisions.

Note: Students may earn credits for only one of ACCT 1130 or BUQU 1130 as they are identical

BUQU 1230 CR-3

Business Statistics

Students will learn statistical concepts, methods and procedures used in business, including descriptive statistics--graphics and numerical presentations, probability theory, sampling, estimation, hypothesis testing and linear regression. The use of statistical software applications will form part of the course. Students will be expected to know, or to acquire on their own, basic Excel skills.

Note: Students may earn credits for only one of ACCT 1230 or BUQU 1230 as they are identical

BUQU 2100 CR-3

Quantitative Methods for Business and Economics

Students will learn the mathematical skills required for success in higher-level courses. Students will begin by deriving equations for the relationship between quantities such as national income and expenditure. They will draw graphs to illustrate the relationships they have found, and they will also identify the equilibrium. Students will learn to recognise the slope of a curve in a graph as a representation of a rate of change. They will apply the rate of change to practical economic problems, such as finding the optimum production level for a firm. By the end of the course, they will be able to find profit maxima or cost minima given constraints such as limited labour or machinery.

Prerequisites: ECON 1150 and ECON 1250

Not Transferable

BUQU 3230 CR-3

Applied Decision Analysis

Students will learn to identify those business situations that require formal decision-analysis, to select the appropriate computer model, to run the model using computer software, and to interpret and describe the results. Students will investigate several case-studies portraying both good and poor decision-making skills and will make a formal presentation of their findings in a group setting. Students will learn to determine the optimal strategy for an organization, and to present a persuasive case for the adoption of that strategy.

Prerequisites: One of the following: BUQU 1230; ACCT 1230; MATH 1115; MATH 2315; MATH 2341; PSYC 2300; CRIM 2103; SOCI 2365; or equivalent first-year statistics course.

BUSINESS (BUSI)

BUSI 1110 CR-3

Fundamentals of Business in Canada

Students will study and apply a broad range of business concepts in a Canadian context. They will learn the basic roles and responsibilities of managers in the major functional areas of business including human resources, industrial relations, information systems, operations, marketing, accounting and finance. Students will also get an overview of economic systems, forms of business ownership, general management principles, Canadian business law and ethics.

Transferable (refer to transfer guide)

BUSI 1204 CR-2

Supervisory Skills for Horticulture Technicians & Florists

Students will study basic supervisory skills for small work-groups (up to 20 co-workers) in horticultural businesses. They will learn interpersonal communication techniques to help resolve work-group issues and problems. Students will also learn motivation concepts, principles of working in culturally diverse work environments and how to conduct effective group meetings.

BUSI 1205 CR-3

Supervisory Skills

This course is designed for students in programs other than business management. It is primarily intended for students in the Horticulture Technology program, but it may also be of interest to students in other disciplines who are preparing for supervisory positions in various fields. The role of supervisor is presented within the framework of the four functions of management: planning, organizing, leading and controlling. Students will be introduced to contemporary supervision techniques, participative leadership and team concepts which can be applied at the supervisory level.

Transferable (refer to transfer guide)

BUSI 1209 CR-3

Business Management in Horticulture

Students in Horticulture will learn the basic concepts of business management needed to be successful in the industry, including: budgeting, cash flow management, working with financial statements, basic banking procedures and dealing with financial institutions. The students also learn basic record keeping and inventory management. Key government regulation affecting horticulture businesses and management of risk in British Columbia will also be covered.

BUSI 1210 CR-3

Essentials of Management

Students will learn the principles of management through an in-depth examination of the universal functions of management: planning, organizing, leading and controlling. They will explore the role of managers as decision makers responsible for achieving the strategic goals and objectives of organizations. Students will study contemporary management practices, concepts and issues including key contingency models, strategic analysis tools, quality control techniques and perspectives on managerial ethics.

Transferable (refer to transfer guide)

BUSI 1215 CR-3**Organizational Behaviour**

Students will learn how the behaviour of individuals and groups in work environments affect organizational performance. Topics will include individual attributes, motivation theories and strategies, group dynamics, teamwork, organizational structure, job design, leadership, organizational culture and politics, communication, conflict, stress and change management. Special emphasis is placed on diversity, cross-cultural issues and ethical conduct in organizations.

Transferable (refer to transfer guide)

BUSI 1250 CR-3**Human Resources Management I**

Students will learn a strategic approach to human resources management, with special emphasis on current management practices relating to equity, diversity and employee rights. They will study and practise techniques and procedures such as HRM planning, recruiting, selection, employee relations, labour relations, performance management, compensation, training and development, health and safety and international HRM.

Transferable (refer to transfer guide)

BUSI 2315 CR-3**Human Relations in Organizations**

Students will study key concepts and applications of human behaviour in organizations, with in depth focus on the phenomena of communication, leadership, decision-making, conflict and change at the individual, group, and organizational levels. They will have opportunities to develop interpersonal skills that contribute to effective functioning in organizational settings. Students will assess their human relations strengths and weaknesses.

Prerequisites: Second year standing including BUSI 1210 or 1215

Transferable (refer to transfer guide)

BUSI 2340 CR-3**Personal Management Skills for Success in Business**

In this course students learn to develop effective interpersonal, leadership and personal organization skills. Topics include time management, personal goal management, values, attitudes, motivation, confidence development, group dynamics, corporate politics, stress management, leadership, conflict management and business negotiations.

BUSI 2350 CR-3**Human Resources Management II**

This course offers an opportunity to analyze the application of human resources techniques and practices. The processes of human resources management are analyzed including factors and influences affecting policies and organizational effectiveness. Current practices and research, and future trends in human resources management are appraised.

Prerequisites: Second year standing including BUSI 1210 and/or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2360 CR-3**Union Management Relations**

This is a survey of the Canadian labour scene: the historical evolution of Canadian Unionism; the impact of trade unions on industry and commerce; union objectives; employer organizations and labour unions as institutions; existing labour legislation and trends; labour-management relations; mediation and arbitration. The course is largely directed to current events, particularly in B.C.

Prerequisites: Second year standing including BUSI 1210 and/or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2390 CR-3**Business Law**

A review of the meaning, sources, and administration of commercial law, plus a more detailed examination of the law of contract with particular reference to business situations.

Transferable (refer to transfer guide)

BUSI 2405 CR-3**Operations Management**

Students will learn and practise concepts, tools and techniques used in operations management in manufacturing and service industries. They will be exposed to practices employed by entrepreneurs and managers to manage production and operations particularly in small and medium-sized enterprises in Canada. Students will apply the theoretical approaches to solve problems through exercises, case analyses, and a term project involving direct or simulated work with real-world organizations.

Prerequisites: 30 credits of 1100-level or higher including at least one of BUSI 1210 or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2415 CR-3**Management Control**

The main objective of the course is the acquisition of essential managerial skills for achieving overall organizational control. Major areas discussed are management control structures, management planning, and control processes.

Prerequisites: 30 credit hours of 1100-level or higher including at least one of BUSI 1210 or BUSI 1215.

BUSI 2425 CR-3**Enterprise Development and Business Planning**

Students utilize their knowledge of business principles to develop business plans, form companies, and actively manage their companies via a computer simulation. Students will apply several key concepts relating to the major functional areas of a business and will make realistic management decisions in a simulated competitive environment.

Prerequisites: 30 credit hours of 1100-level or higher including at least one of BUSI 1210 or BUSI 1215.

Transferable (refer to transfer guide)

BUSI 2435 CR-3**Development of Business Plans**

This offering is designed for both mature business students and business practitioners having an interest in small and medium enterprise development. Participants should enter the course with advance knowledge and/or experience in Canadian business fundamentals, marketing concepts, and accounting principles. Topics range from strategic planning to survival and growth techniques, while the main focus is on the step-by-step approach to developing an effective business plan. A combination of lectures, readings, and case discussions are used in tandem with the week-by-week formulation of individual plans.

Prerequisites: BUSI 1110 (ACCT 1160 or ACCT 1110) and (MRKT 1130 or MRKT 1120) or equivalent courses/experience

BUSI 2450 CR-3**Business Simulation**

Students will analyze business situations involving decision-making in various management aspects such as employee motivation, employee resistance to change, human resources, leadership, managerial controls and conflict, marketing or finance. The course is developed around a computerized business simulation and allows students to use knowledge accumulated in many business courses. The course focuses on building skills in four main areas: decision-making, report writing, individual and group presentations, and group discussions.

Prerequisites: Second year standing including BUSI 1210 and/or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2455 CR-3**International Trade**

This course is designed to provide students with a good grasp of the various aspects of international trade from a Canadian perspective. The emphasis is to learn the principles and practice of export/import marketing. Among the topics covered are the Canadian trade position and the institutional frameworks and procedures within which international trade functions; elements and analysis of international information systems, alternative exporting and importing methods; effective advertising and promotion overseas; packaging, shipping, documentation, and marine insurance; export pricing; quotations, and credit appraisal; financing and management of foreign exchange risk; government rules, policies, and assistance programs affecting international trade, and discussion of contemporary international trade issues.

Prerequisites: Second year standing including BUSI 1210 and/or BUSI 1215

Co-requisites: MRKT 2455 MRKT 2455

Transferable (refer to transfer guide)

BUSI 2460 CR-3**Collective Bargaining**

This is an examination of conflict resolution among management, workers, and government in the pluralistic environment of the firm. Contract formulation and collective bargaining are analyzed in the light of various theories of industrial and human relations. The course is developed around a Contract Negotiations Simulation.

Prerequisites: Second year standing including BUSI 1210 and/or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2465 CR-3**Business Negotiations**

Students will learn negotiation techniques that may be used to achieve a variety of business objectives. They will experience the negotiation process and apply the principles of distributive and integrative bargaining through a spectrum of role-plays and simulations, with special emphasis on the importance of developing pre-negotiation plans and establishing benchmarks.

Prerequisites: BUSI 1210 or BUSI 1215

Transferable (refer to transfer guide)

BUSI 2490 CR-3**International Business**

Students will study modern strategic approaches and implementation activities used in the creation and operation of successful international businesses. They will develop specific managerial skills in order to deal effectively with international business matters from the techniques of international business transactions to the challenges of globalization, including the roles of culture, political economy, and technology. Students will be exposed to leading practices employed by entrepreneurs and managers and will apply the theories and concepts to solve problems through exercises, case analyses, and a term project involving direct or simulated work with real-world organizations.

Prerequisites: 30 credit hours of 1100-level or higher including at least one of BUSI 1210 or BUSI 1215.

Transferable (refer to transfer guide)

C**CAREER CHOICES AND LIFE SUCCESS (CCLS)****CCLS 0100 CR-2.5****Self Knowledge: Basis for Success**

Students will participate in the continuing process of developing self-knowledge. They will develop self-awareness, self-acceptance, self-confidence and personal power. Students will learn to make the connection between self-knowledge and career and life success.

CCLS 0101 CR-3**Communication Skills**

Students will learn verbal, nonverbal and written communication skills. They will demonstrate verbal communication skills by participating in practice employment interviews. Students will apply written communication skills in creating a resume and a cover letter.

CCLS 0102 CR-2.5**Personal Management and Problem Solving**

Students will learn to identify and apply strategies to manage career and life challenges. They will practice conflict resolution skills and develop critical and creative thinking skills. Students will examine decision-making and time and stress management strategies.

CCLS 0115 CR-3.5**Career and Education Experience**

Students will have opportunities to research their education and career options by job shadowing and/or work placement or auditing courses to determine compatibility with career and life goals.

CCLS 0210 CR-2.5**Career Assessment and Research**

Students will complete a variety of career assessments. They will consider career options based on assessments, previous experience and research. Students will conduct information interviews to gain labour market information.

CCLS 0212 CR-2**Career and Life Planning**

Students will review their career and education findings to formulate a plan of action for career and life success.

CCLS 0800 CR-2 (formerly CCLS 0100)**Self Knowledge: Basis for Success**

Students will participate in the continuing process of developing self-knowledge to support an evolving work identity, as well as career and life success. They will learn various tools to support their career transition including personal and job values clarification and applying strategies to support work/life balance. Students will articulate their career beliefs and identify hidden assumptions interfering with desired changes.

Not Transferable

CCLS 0810 CR-3 (formerly CCLS 0101)**Communication Skills**

Students will learn and practise active listening and speaking techniques to facilitate effective communication. They will develop oral presentation skills by giving informal reports, and a formal oral presentation, and participating in practice employment interviews. Students will apply written communication skills in creating a resume and a cover letter.

Not Transferable

CCLS 0820 CR-1 (formerly CCLS 0102)**Personal Management and Problem Solving**

Students will learn to identify and apply strategies to manage career and life challenges. They will examine various critical thinking skills and identify their preferred decision-making style. Students will examine the relationships among procrastination, time and stress management, problem solving, and decision making.

Not Transferable

CCLS 0900 CR-3 (formerly CCLS 0210)**Career Assessment and Research**

Students will complete a variety of online and paper vocational, interest and skills assessments. They will gain knowledge in identifying personality characteristics and their relationship to career preferences. Students will research career options based on career and personality assessments, transferrable skills and prior work experience. They will articulate and summarize repeating career themes to determine suitable career choices

Not Transferable

CCLS 0915 CR-6 (formerly CCLS 0115)**Career and Education Experience**

Students will apply various career research methods to obtain the necessary education and labour market information required to support a suitable career choice. They will engage in information interviews to learn first-hand job related information and to increase their career network. Students will have opportunities to participate in a variety of work experiences, audit courses, and gain related practical experience to determine compatibility with career and life goals. They will work in networking teams to support their employability skills.

Not Transferable

CCLS 0920 CR-1 (formerly CCLS 0212)**Career and Life Planning**

Students will synthesize and summarize their career and education findings to formulate a goal-oriented plan of action. They will identify steps necessary to make effective personal and career choices. Students will understand the importance of life-long learning in relationship to course and life success.

Not Transferable

CARPENTRY/BUILDING CONSTRUCTION (CARP)

CARP 1102 CR-2**Safe Work Practices**

Students will learn the skills and work habits required for success in the carpentry trade. They will identify the relevant sections of the WorkSafeBC OH&S Regulation and will recognize the potential hazards affecting personal safety on the construction site.

CARP 1104 CR-3**Hand and Power Tools**

Students will learn to measure, lay out and safely cut and assemble wood into various building components, jigs and projects using hand tools and portable and shop power tools commonly used in the carpentry trade.

Prerequisites: CARP 1102

CARP 1109 CR-3**Building Materials, Codes and Drawings**

Students will learn and examine basic drafting skills to allow them to read residential blueprints. They will identify the basic elements of wood, and will identify how wood has been engineered for use in modern design through new technology. Students will identify the role of building codes and bylaws to determine proper building practices.

CARP 1115 CR-2**Building Site Layout and Leveling**

Students will apply Pythagoras' theorem to layout procedures for residential foundations. They will learn basic leveling techniques using the automatic levels to current industry standards. Students will also learn to measure, set and record the results in a surveyor's field book. They will lay out a building and prepare batter boards and set building lines for a residential foundation.

Prerequisites: CARP 1109

CARP 1119 CR-2.5

Building Residential Concrete Formwork Systems

Students will learn about concrete forming systems used in residential construction and light commercial applications. They will identify foundation requirements, set templates, and form block-outs according to the Building Code and standard construction practices. Students will use concrete fasteners to attach formwork materials to the concrete.

Prerequisites: CARP 1115

CARP 1125 CR-3.5

Floors, Walls and Ceilings: Residential Framing Systems

Students will build components of Western Platform Framing applying the British Columbia Building Code to the structures. They will frame floors, walls, and ceilings. Students will follow the WorkSafeBC OH&S Regulation for all activities.

Prerequisites: CARP 1119

CARP 1130 CR-3.5

Roofs and Stairs: Residential Framing Systems

Students will build gable and hip roofs and stair assemblies used in residential home building according to the British Columbia Building Code. They will frame stairs and roofs using standard framing practices in the industry according to the British Columbia Building Code. Students will follow the WorkSafeBC OH&S Regulation for all activities.

Prerequisites: CARP 1125

CHEMISTRY (CHEM)

CHEM 1101 CR-4

CSI: Chemical Sciences Investigation

Students will learn introductory chemical concepts framed in the context of the forensic sciences and will perform some of the techniques seen on crime shows. Students will, for example, examine latent fingerprints by fuming and dusting a variety of surfaces, analyze soil samples, and identify a crime scene plastic sample by density analysis and flame tests. This course would be of particular interest to students pursuing a career as an elementary level educator.

NOTE: This course is intended for students with little background in math and sciences that have a quantitative requirement (or need lab-sciences credit) to complete a Bachelor's degree in the Arts or Humanities.

Co-requisites: NOTE: This course may not be used for credit towards a science degree or as a prerequisite for further science courses. This course may be used to partially fulfill quantitative requirements for a Bachelor of Arts degree, science requirements for an elementary teacher education program, lab science requirements for an Associate of Arts degree, and liberal education/breadth credits for Kwantlen degrees. NOTE: This course may not be used for credit towards a science degree or as a prerequisite for further science courses. This course may be used to partially fulfill quantitative requirements for a Bachelor of Arts degree, science requirements for an elementary teacher education program, lab science requirements for an Associate of Arts degree, and liberal education/breadth credits for Kwantlen degrees.

Transferable (refer to transfer guide)

CHEM 1105 CR-4

Introductory Chemistry

Students will learn about: thermochemistry, freezing point depression, boiling point elevation, liquids and gases, solutions, acids and bases, ionic equilibria, chemical equilibria, and oxidation and reduction, after a quick review of the content of CHEQ 1094. They will also perform laboratory work.

Prerequisites: (CHEM 1094 or CHEQ 1094 or [Chemistry 11 (C+)] or [Chemistry 12 (P)]) and (MATH 1012 or MATQ 1093 or MATH 1093 or [MATQ 1099 (A)] or MATH 1117 or ABEM 0011 or 0082 or MATP 1011 or PSPM 1082 or [Principles of Mathematics 11 (C+)] or [Pre-calculus 11 (C+)])

Transferable (refer to transfer guide)

CHEM 1110 CR-4

The Structure of Matter

Students will study the modern view of atomic structure, nuclear chemistry, theories of bonding and molecular structure, organic chemistry (properties and reactions of the major functional groups and isomerism) after a brief review of stoichiometry, gases and the treatment of experimental data. Students will also perform experiments in the laboratory.

Prerequisites: (CHEM 1105 or [Chemistry 12 (C+)] and (MATH 1012 or MATQ 1093 or MATH 1093 or MATH 1117 or ABEM 0011 or ABEM 0082 or MATP 1011 or PSPM 1082 or [Pre-calculus 12] or [Principles of Mathematics 12 (P) and Mathematics Placement Test]) or [Principles of Mathematics 12] or Principles of Mathematics 12 (P) and Mathematics Placement Test])

Co-requisites: MATH 1112 MATH 1112

Transferable (refer to transfer guide)

CHEM 1154 CR-4

Chemistry for Engineering

Students will learn about stoichiometry, gases, liquids, solids and solutions, equilibrium, acids and bases, thermodynamics, and chemical kinetics. They will also perform laboratory work.

Note: This course may not be used for credit for students in science, or as a pre-requisite for further chemistry courses. This course is designed for students transferring to an engineering program.

Prerequisites: (CHEM 1105 or [Chemistry 12 (C+)] and (MATH 1112 or [Principles of Mathematics 12 (B)] or [Pre-calculus 12 (B)])

Transferable (refer to transfer guide)

CHEM 1210 CR-4

Chemical Energetics and Dynamics

Students will learn about topics including liquids, solids and solutions, a review of redox reactions, electrochemistry, the laws of thermodynamics, equilibrium, acids and bases, ionic equilibria, and chemical kinetics. They will also perform experiments in the laboratory.

Prerequisites: CHEM 1110 and ([MATH 1112 or higher level] or [Principles of Mathematics 12 with a B] or [Pre-calculus 12 with a B])

Transferable (refer to transfer guide)

CHEM 2311 CR-3

Physical Chemistry for Life Sciences

Students will study chemical kinetics, thermodynamics, and spectroscopy at a second year level without some of the mathematical rigor commonly associated with a second-year physical chemistry course.

Prerequisites: CHEM 1210 and (MATH 1120 or 1130 or (1140 with a C+ or better))

Co-requisites: MATH 1220 or 1230 MATH 1220 or 1230

Transferable (refer to transfer guide)

CHEM 2315 CR-4

Analytical Chemistry

Students will learn the fundamental concepts of analytical chemistry. They will study quantitative analysis of aqueous solutions and solid samples, experimental design and data analysis, as well as spectroscopic and chromatographic methods. Students will engage in extensive laboratory work and practical applications.

Prerequisites: CHEM 1210

Transferable (refer to transfer guide)

CHEM 2320 CR-4

Organic Chemistry I

Students will study the fundamental aspects of modern organic chemistry as illustrated by the structure, physical and spectroscopic properties and reactions of alkanes, cycloalkanes, alkenes, dienes, alkynes, halogen compounds, alcohols, ethers, aldehydes and ketones. They will also perform experiments in the laboratory.

Prerequisites: CHEM 1210 (or CHEM 1110 with a B or better)

Transferable (refer to transfer guide)

CHEM 2410 CR-5

Physical - Inorganic Chemistry

Topics covered in this course are: properties, bonding, structure and reaction of coordination compounds, spectroscopy, chemical kinetics, reaction rate theories, solution equilibria and electrochemistry. The laboratory component of this course stresses analytical and inorganic methods in Chemistry.

Prerequisites: CHEM 1210 and (MATH 1120 or MATH 1130)

Co-requisites: MATH 1220 or MATH 1230 MATH 1220 or MATH 1230

Transferable (refer to transfer guide)

CHEM 2420 CR-4

Organic Chemistry II

Students will study the structure and reactions of aromatics, polycyclic aromatic and heteroaromatic compounds, and their enolates, and an introduction to the chemistry of fats, carbohydrates and proteins. They will also perform experiments in the laboratory. Note: This course is a continuation of CHEM 2320.

Prerequisites: CHEM 2320

Transferable (refer to transfer guide)

CHEM 3310 CR-4 (formerly CHEM 2310)

Physical Chemistry

Students will study chemical kinetics and thermodynamics with the appropriate mathematical rigour. They will also apply these physical chemistry principles in a lab setting.

Prerequisites: CHEM 1210 and (MATH 1220 or 1230)

Transferable (refer to transfer guide)

CHEMISTRY QUALIFYING (CHEQ)

CHEQ 1094 CR-4

Preparation for General Chemistry

Students will study: exponential notation, significant figures, dimensional analysis, metric system, density, symbols, chemical formula and equations, percentage composition and simplest formula, atomic mass, mole concept, stoichiometry, solutions molarity, classification of matter, gases, periodic table and some descriptive chemistry. They will also perform experiments in the laboratory.

Prerequisites: (Foundations and Pre-Calculus of Mathematics 10) or (Mathematics 10)

Co-requisites: MATH 1012 or MATQ 1093 or MATH 1093 or MATH 1117 or MATQ 1099 or ABEM 0011 or MATP 1011 MATH 1012 or MATQ 1093 or MATH 1093 or MATH 1117 or MATQ 1099 or ABEM 0011 or MATP 1011

Not Transferable

CO-OPERATIVE EDUCATION (COOP)

COOP 1101 CR-1

Job Search Techniques

Students will learn the philosophy and goals of co-operative education. They will also learn to develop effective job search techniques, including preparing effective resumes and cover letter, and practicing interview skills, in order to secure their first co-op placement.

Prerequisites: Declaration of a Co-op specialization

Not Transferable

COOP 1110 CR-9

Co-op Work Semester 1

Students will apply academic knowledge and acquire new abilities through relevant employment in their field of study. They will complete a 12-16 week paid co-op work experience taken on a full-time basis, monitored by Co-op Faculty. Students will reflect on how their behaviours and attitudes affect their work and their relations with others in the organization. They will also assess their interests and attitudes in relation to their field of study.

Note: This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 1111 and COOP 1112. Successful completion of COOP 1110 requires completion of both courses and will be equivalent to one completed Co-op workterm. Students registering in COOP 1111 are committing to register in COOP 1112 in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

NOTE: Credits for Co-op workterm courses may only be used to satisfy graduation requirements for the Co-op option of the Diploma and Degree programs. These credits do not contribute to the overall required academic credits for Diploma and Degree.

Prerequisites: COOP 1101; Permission of the instructor and the following special program criteria: ENVI: satisfactory standing & completion of first year CISO: completion of first year with a 2.33 GPA MRKT: completion of first year with a 3.00 GPA

COOP 1150 CR-9 (formerly COOP 1110)

Co-op Work Semester 1

Students will integrate academic studies with a full-time, paid work experience in a program related position with an employer organization. Students will apply academic knowledge and acquire more competence through relevant experience in their field of study while completing their first 12- to 16- week work term. The work term will be monitored by Co-op faculty. Students will examine how the application of new skills affects their work and their relationships with others in the organization. They will also assess their interest in and attitude towards their field of study.

Notes:

1. This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 1150A and COOP 1150B. Successful completion of COOP 1150 requires completion of both courses and will be equivalent to one completed Co-op work term. Students registering in COOP 1150A are committing to register in COOP 1150B in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

2. Credits for Co-op work term courses may only be used to satisfy graduation requirements for the Co-op option of designated programs. These credits do not contribute to the overall required academic credits.

3. Students must register for their Co-op work term only at the advisement of the Co-op office. Should a student accept a Co-op position and not follow the normal registration procedure, the Co-op office will proceed with manual registration for that student and Co-op work term course.

*Prerequisites: COOP 1101 and declaration of a Co-op specialization
Transferable (refer to transfer guide)*

COOP 2101 CR-1

Leadership and the Job Search

Students will integrate the learning they acquired during their first co-op placement, through a written report and presentation, and prepare for their second placement. They will inventory their skills and knowledge, update their resumes, and practice interview techniques. They will also develop leadership abilities through a mentoring program of junior students, which includes conducting interviews, analyzing resumes, and providing feedback.

Prerequisites: COOP 1101 and COOP 1110

COOP 2110 CR-9

Co-op Work Semester 2

Students will apply academic knowledge and acquire new abilities through relevant employment in their field of study. They will complete a second 12-16 week paid work experience taken on a full-time basis, monitored by Co-op faculty. Students will explore the significance of their behaviours and attitudes in relation to their work and examine their own working relationships and those of the organization. They will also define their interests and attitudes in relation to their field of study.

Note: This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 2111 and COOP 2112. Successful completion of COOP 2110 requires completion of both courses and will be equivalent to one completed Co-op workterm. Students registering in COOP 2111 are committing to register in COOP 2112 in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

NOTE: Credits for Co-op workterm courses may only be used to satisfy graduation requirements for the Co-op option of the Diploma and Degree programs. These credits do not contribute to the overall required academic credits for Diploma and Degree.

Prerequisites: COOP 2101; Permission of Instructor and the following program specific criteria: ENVI: second year standing & first year 2.0 GPA CISO: second year standing & first year 2.33 GPA MRKT: second year standing & first year 3.0 GPA

COOP 2150 CR-9 (formerly COOP 2110)

Co-op Work Semester 2

Students will integrate academic studies with a full-time, paid work experience in a program related position with an employer organization. Students will apply academic knowledge and acquire more competence through relevant experience in their field of study while completing a second 12- to 16- week work term. The work term will be monitored by Co-op faculty. Students will analyze the significance of the application of new skills in their work and examine their own working relationships as well as those of the organization. They will also further define their interest in and attitude towards their field of study.

Notes:

1. This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 2150A and COOP 2150B. Successful completion of COOP 2150 requires completion of both courses and will be equivalent to one completed Co-op work term. Students registering in COOP 2150A are committing to register in COOP 2150B in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

2. Credits for Co-op work term courses may only be used to satisfy graduation requirements for the Co-op option of designated programs. These credits do not contribute to the overall required academic credits.

3. Students must register for their Co-op work term only at the advisement of the Co-op office. Should a student accept a Co-op position and not follow the normal registration procedure, the Co-op office will proceed with manual registration for that student and Co-op work term course.

*Prerequisites: COOP 1150 and declaration of a Co-op specialization
Transferable (refer to transfer guide)*

COOP 2301 CR-1

Career Search

Students will integrate the learning they acquired during their second work experience and prepare for their entrance into the labour market upon graduation. They will plan their career development, update their resumes and prepare timelines for their job search. They will learn techniques to identify and research work opportunities and use these techniques in conducting a job search.

Prerequisites: COOP 2101 and COOP 2110

COOP 3150 CR-9 (formerly COOP 3210)

Co-op Work Semester 3

Students will integrate academic studies with a full-time, paid work experience in a program related position with an employer organization. Students will apply academic knowledge and acquire more competence through relevant experience in their field of study while completing a third 12- to 16- week work term. The work term will be monitored by Co-op faculty. Students will identify and analyze new skills in relation to their work and develop professional learning goals for the term. Students will further assess their interest in and attitude towards their field of study and prepare a potential career plan for after graduation.

Notes:

1. This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 3150A and COOP 3150B. Successful completion of COOP 3150 requires completion of both courses and will be equivalent to one completed Co-op work term. Students registering in COOP 3150A are committing to register in COOP 3150B in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

2. Credits for Co-op work term courses may only be used to satisfy graduation requirements for the Co-op option of designated programs. These credits do not contribute to the overall required academic credits.

3. Students must register for their Co-op work term only at the advisement of the Co-op office. Should a student accept a Co-op position and not follow the normal registration procedure, the Co-op office will proceed with manual registration for that student and Co-op work term course.

Prerequisites: COOP 2150 and declaration of a Co-op specialization

Transferable (refer to transfer guide)

COOP 3210 CR-9

Co-op Work Semester 3

Students will apply academic knowledge and acquire new abilities through relevant employment in their field of study. They will complete a 12-16 week paid co-op work term taken on a full-time basis. Students will assess their interests and attitudes in relation to their field of study.

Note: This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 3211 and COOP 3212. Successful completion of COOP 3210 requires completion of both courses and will be equivalent to one completed Co-op workterm. Students registering in COOP 3211 are committing to register in COOP 3212 in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

NOTE: Credits for Co-op workterm courses may only be used to satisfy graduation requirements for the Co-op option of the Diploma and Degree programs. These credits do not contribute to the overall required academic credits for Diploma and Degree.

Prerequisites: COOP 1101; Permission of the instructor, and the following specific program criteria: BTech: min. GPA of 2.5 in any five program courses BBA: min. GPA of 2.7 in any five program courses

COOP 4150 CR-9 (formerly COOP 4210)

Co-op Work Semester 4

Students will integrate academic studies with a full-time, paid work experience in a program related position with an employer organization. Students will apply academic knowledge and acquire more competence through relevant experience in their field of study while completing a fourth 12- to 16- week work term. The work term will be monitored by Co-op faculty. Students will identify and analyze new skills in relation to their work and develop professional learning goals for the term. Students will further assess their interest in and attitude towards their field of study and review and confirm their career plan for after graduation.

Notes:

1. This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 4150A and COOP 4150B. Successful completion of COOP 4150 requires completion of both courses and will be equivalent to one completed Co-op work term. Students registering in COOP 4150A are committing to register in COOP 4150B in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

2. Credits for Co-op work term courses may only be used to satisfy graduation requirements for the Co-op option of designated programs. These credits do not contribute to the overall required academic credits.

3. Students must register for their Co-op work term only at the advisement of the Co-op office. Should a student accept a Co-op position and not follow the normal registration procedure, the Co-op office will proceed with manual registration for that student and Co-op work term course.

Prerequisites: COOP 3150 and declaration of a Co-op specialization

Transferable (refer to transfer guide)

COOP 4210 CR-9

Co-op Work Semester 4

Students will apply academic knowledge and acquire new abilities through relevant employment in their field of study. They will complete a further 12-16 week paid work experience taken on a full-time basis, monitored by Co-op faculty. Students will prepare a formal report examining one aspect of their work – either on a technical, organizational or interpersonal level.

Note: This course may be taken part-time over two consecutive semesters and will appear on the transcript as COOP 4211 and COOP 4212. Successful completion of COOP 4210 requires completion of both courses and will be equivalent to one completed Co-op workterm. Students registering in COOP 4211 are committing to register in COOP 4212 in the subsequent term. The same grade will be assigned to both courses regardless of outcome.

NOTE: Credits for Co-op workterm courses may only be used to satisfy graduation requirements for the Co-op option of the Diploma and Degree programs. These credits do not contribute to the overall required academic credits for Diploma and Degree.

Prerequisites: COOP 3210

COMMUNICATIONS (COMM)

COMM 1100 CR-3

Foundations of Communication Studies

Students will be given a comprehensive overview of what it means to study communications. They will explore classic definitions and models of communications and trace how these notions have changed with the introduction of new media, new messages, new communicators and a more active and participatory audience. They will explore: communication theories, communication media, the key power players in the realm of communications (particularly in North America) and the role of the audience.

*Prerequisites: A grade of 'B' in English 12 (or equivalent)
Transferable (refer to transfer guide)*

COMM 1110 CR-3

Television and Social Change

Students will explore the evolution of North American television programs from their beginnings to the present day, in the context of their impact on and reflection of social change. Students will critically view and analyse the iconic television programs produced since World War Two and consider their role in mirroring and/or affecting society at large from a cultural, political and social perspective.

*Prerequisites: A grade of 'B' in English 12 (or equivalent)
Transferable (refer to transfer guide)*

COMM 1200 CR-3

Visual Literacy

Students will critically explore visual-literacy concepts and theories that are applicable to a broad range of media including, but not limited to, web sites, television, newspapers, fine art, advertising, social media, photography, zines, comics/graphic novels and film/video. They will learn how to interpret, negotiate and evaluate effective visual communications through screenings, readings, workshops, exercises and classroom discussion. Students will learn how to 'see' the basic graphic composition of images, such as design elements and principles. They will analyze visual-communication problems, discuss solutions and produce personal projects that reflect their understanding of visual literacy.

Note: This course may include mandatory field trips.

Prerequisites: A grade of 'B' in English 12 (or equivalent)

COMM 2100 CR-3

Media Ethics and Law

Students will learn about the philosophical underpinnings of various approaches to ethical dilemmas, and about current media-related laws. They will consider these theories and laws relative to such issues as privacy, offensive content, freedom of expression, contempt of court and conflict of interest. They will explore these issues as they relate to various communication methods including, but not limited to, social networking, blogs and other interactive media, citizen and professional journalism, and various entertainment media. They will critically examine and analyze content from an ethical and legal perspective and discuss the impact of new technologies on media ethics and law.

*Prerequisites: Six credits of 1100-level or higher courses
Transferable (refer to transfer guide)*

COMM 2210 CR-3

Media, Audiences and Popular Culture

Students will be introduced to the study of popular culture. They will map the topic in different media, such as television, movies, advertising, video games, animation, music, public art and the Internet. They will also explore how popular culture has aligned itself historically with different goals: cultural, economic, political, and social. They will explore the major organizations and other players involved in communications around the world with particular focus on North America.

Note: This course may include required field trips.

*Prerequisites: 6 credits of any 1100-level or higher courses
Transferable (refer to transfer guide)*

COMM 2220 CR-3

Communication Rights & Freedoms

Students will consider the role of communication rights and freedoms in the development and protection of all other fundamental rights and freedoms, from basic human rights to democracy. They will focus on the limits and extent of communication rights in Canada including, but not limited to: the right to access meaningful information about how they are governed; the right to protest and dissent; freedom of the press; the protection of private information; and copyright laws protecting intellectual property. Students will also compare communication rights and freedoms in Canada to those of other countries, both democratic and non-democratic.

*Prerequisites: 6 credits of any 1100-level or higher courses
Transferable (refer to transfer guide)*

COMM 3100 CR-3**Media and Diversity**

Students will examine the media from the perspective of a diverse audience, with a specific focus on issues such as race, religion, gender and culture. They will analyze diversity issues in media content for fairness and balance.

Note: This course may include required field trips.

Prerequisites: 45 credits 1100-level or higher courses, including ENGL 1100

Transferable (refer to transfer guide)

COMM 3110 CR-3**News Media and Influence**

Students will analyze how news media and the journalists who work within it are influenced by business and government, and how, in turn, news media and the work of journalists influences public opinion and discourse in the public sphere. Students will examine propaganda and persuasion techniques such as strategic political communication known as "spin". Students will also consider the purpose and effectiveness of journalism ethics and best practices in countering undue and inappropriate influence on the reporting and editing processes.

Prerequisites: 45 credits of 1100-level or higher courses, including ENGL 1100

Transferable (refer to transfer guide)

COMM 4210 CR-3**History of Canadian Journalism**

Students will learn about the history of journalism in Canada, from the first 18th-century newspaper to the present-day multi-media world. They will examine broad historic trends in Canadian journalism, such as the commercialization of the press in the 19th century, the concentration of ownership in the 20th century, and the effects of new technologies in the 21st century. They will also explore more localized aspects of journalism history, such as regional differences among Ontario, Maritime, Francophone and western Canadian journalism.

Prerequisites: 60 credits of 1100-level or higher courses, including ENGL 1100 and (JRNL 1160 or HIST 1114)

Not Transferable

COMMUNITY AND HEALTH STUDIES (CAHS)

CAHS 1101 CR-3**Introduction to Technology and Academic Writing in Health Care**

Students will develop skills in the use of computers and the Internet. They will explore the application of technology in their professional practice as well as its utility in academic writing.

Not Transferable

CAHS 2100 CR-3**The Reflective Practitioner**

Students will explore their professional practice through the Art and Inquiry Workshop, a creating, integrating, and reflecting inquiry approach. They will examine experiences and issues central to professionalism as a direct support practitioner.

Prerequisites: One full year of work experience in a field related to Community and Health Studies

CAHS 2120 CR-2.5**Supporting Students with Autism Spectrum Disorders**

Students will develop an understanding of the nature and characteristics of autism spectrum disorders. They will examine the current research on best practices for supporting students with autism spectrum disorders in a variety of educational settings. Students will explore functional assessment practices, positive behaviour supports, and a wide range of strategies and materials that enhance learning, communication, and social skills.

Prerequisites: ECHS 1125 and ECHS 1135 and (SETA 1101 and SETA 1105 and SETA 1161 and SETA 1120 and SETA 1270) or (CSWC 1135 and CSWC 1250 and HSWC 1160)

CAHS 3100 CR-3**Teaching and Learning in Communities**

Students will critically examine and apply a variety of teaching/learning theories, perspectives, and strategies that underlie meaningful interactions with individuals, families, and groups. They will explore the influence of personal meaning, beliefs, and values on teaching/learning processes. Students will participate in teaching/learning experiences with diverse communities using a community development model.

Prerequisites: a minimum of 45 credits and ENGL 1100 or ENGL 1110 or equivalent

CAHS 3105 CR-3**Healing Arts I**

Students will examine the philosophy of healing, and the ways in which creativity, spirituality, and beauty contribute to holistic health. They will examine theories and models related to multicultural healing practices. Students will evaluate selected complementary and alternative therapies to gain practical insights about personal healing in this assisted online course.

Prerequisites: 60 credits of 1100-level or higher courses, including ENGL 1100

CAHS 3110 CR-3**Global Health in Canada and Abroad**

Students will engage and interact with appropriate resources in order to understand the culture, health system and the government of a specified country (countries). Students will analyze the theories of health promotion, culture and cultural safety and social determinants of health. Students will compare and contrast

the social determinants of health in Canada and specified country with particular focus on the influence of culture, gender, family social and economic status and social exclusion to understand how these may lead to inequities and discuss ways to improve these disparities. Students will develop their sense of global responsibility in relation to social justice and health and learn how to influence public policy.

Note: This course may be offered in blended or fully online format

Prerequisites: 60 credits of 1100 and higher courses

Not Transferable

CAHS 3111 CR-5

Field School in Global Health Practice

Students will participate in a field school experience in another country and engage and interact with communities in order to understand the culture, health system and the government. They will engage with the communities and create a culturally safe practice environment to understand the determinants of health. Students will apply theories of health promotion, culture and social determinants of health in practicum placements, projects, or field research to support capacity building in a country abroad. They will develop their practical reasoning, their sense of global responsibility and citizenship, and their ability to improve social justice. Students will compare the social determinants of health in Canada and another country with particular focus on the influence of culture, gender, family social and economic status and social exclusion to understand the impact on health.

Prerequisites: CAHS 3110

Not Transferable

CAHS 3200 CR-3

Becoming a Mentor

Students will analyze organizational cultures and their own mentoring needs in an on-line learning environment. They will explore the characteristics, stages, challenges, and rewards of mentoring relationships in order to become effective mentors. Students will develop learning plans specific to work-related transitions such as being a new employee, accepting a new position, and preparing for retirement.

CAHS 3500 CR-4.5

Nursing Concepts and Theories

Students will examine concepts and theories related to current nursing practice. They will apply ethical, feminist, and critical social theories and a phenomenological perspective when exploring self, others, health, and healing. Students will use their own practice experiences to make meaning of conceptual frameworks.

Prerequisites: Licensure as a Registered Psychiatric Nurse

COMPUTER AIDED DESIGN & DRAFTING (CADD)

CADD 1100 CR-4

Drafting Fundamentals

Students will set up drawings and use geometric construction and appropriate line-types to produce orthographic and pictorial representations of models. They will use projection techniques to construct intersections and developments of various three dimensional shapes. Students will apply sections and conventions and use details to enhance the representation fill-in title blocks and use quality control procedures to complete drawings. They will prepare a mechanical assembly drawing.

Transferable (refer to transfer guide)

CADD 1110 CR-4

Summative Project

Students will follow the design process and use sketches, standards and codes to produce a set of drawings that would be suitable to mechanical, industrial or architectural projects. They will produce site and other required plans along with cross sections and elevations. Students will extract details and produce schedules. They will select appropriate presentation scales and apply annotation, dimensions and symbols as per industry standards.

Transferable (refer to transfer guide)

CADD 1150 CR-4

Computer Aided Drafting & Design (CADD) Software

Students will operate CADD software and use advanced construction techniques. They will use CADD software to perform analytical calculations, and to import and export data using external references and other techniques. Students will create three-dimensional (3D) solid and wire frame models. They will use presentation techniques to create two-dimensional (2D) images and 3D rendered images from 3D models. Students will customize the software user interface.

Transferable (refer to transfer guide)

CADD 1160 CR-3

Introduction to Office Procedures and Software

Students will use office software with CADD software to exchange data and graphics. They will follow basic office procedures to produce memos, change orders, and to follow document control and revision procedures. Students will investigate a variety of disciplines in the Drafting/CADD field and write a report or give a presentation on the discipline of their choice. Students will apply geometric, algebraic, and trigonometric principles to solve problems. They will develop educational plans and run student meetings.

Transferable (refer to transfer guide)

CADD 2100 CR-4

CADD Graphics and Models: Rendering and Animation

Students will render 2D graphics and create 2D perspectives. They will apply color, texture and shadows. Students will create digital 3D models, build physical models from common materials and use photo editing software to insert models into photographs. They will import 3D models into rendering and animation software and apply lighting and camera locations. Students will create motion paths, create flythrough paths and create assembly animations. They will give presentations of completed projects.

Prerequisites: CADA 1250 or CADI 1250 or CADM 1250 or CADS 1250

CADD 2110 CR-4

Surveying and Site Work

Students will apply surveying fundamentals and use surveying equipment to collect coordinates and elevations. They will apply algebra, geometry, trigonometry and introductory calculus to perform surveying calculations. Students will prepare a subdivision drawing and indicate boundaries, access, roads and services. They will indicate contour lines and perform cut and fill calculations. Students will prepare a site layout, determine site grading and drainage, prepare retaining walls and outlines of buildings to complete a site plan drawing. They will use 3D modeling software for Civil applications.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or DRAF 1150) and (CADD 1160 or DRAF 1160 or DRAF 1270)

CADD 2160 CR-4

Professional Practice for Design and Drafting

Students will explain document control procedures and apply a document change-manage process. They will follow health and safety procedures, describe the effects of office ergonomics, and follow appropriate office department related to design and drafting. Students will explain liability issues, follow ethical principles, and explain basic project management principles related to design and drafting. They will identify the roles of Engineering and Architectural professionals.

Prerequisites: CADD 1160 or DRAF 1160

CADD 2210 CR-4

Document Control and Web Portfolio

Students will explain the need for document control and identify roles and responsibilities in document control. They will categorize types of documents and their purposes and implement document control procedures. Students will set up document control websites, create information websites and create portfolio websites. They will participate in online meetings with document and application sharing. Students will give presentations of completed projects.

Prerequisites: CADA 1250 or CADI 1250 or CADM 1250 or CADS 1250

CADD 2220 CR-4

Sustainable Design

Students will develop an awareness of sustainability issues and how they influence sustainable practices in design. They will identify regulatory bodies and their roles, identify environmental impact standards and describe sustainable design certification. Students will evaluate and analyze green design strategies, product lifecycle and sustainable materials and systems through a variety of methods including site visits. They will interpret output from a variety of efficiency testing software and conduct cost-benefit analysis of sustainable practices. Students will incorporate sustainable materials, systems and fabrication/construction processes on a project.

Prerequisites: Completion of Citation in CADD Technologies and Certificate in CADD Technologies or permission of Instructor Transferable (refer to transfer guide)

CADD 2250 CR-4

CADD Customization and Networks

Students will explain the need for CADD customization and identify programming languages used with CADD software. They will determine the appropriate programming language for a variety of CADD custom functions, use programming to customize CADD software and use scripting and macros. Students will explain the fundamentals of operating systems and describe command line interfaces and system utilities. They will install CADD software, set-up multi-user CADD local area network (LAN) with client/server, apply permissions and install printers.

Prerequisites: CADA 1250 or CADI 1250 or CADM 1250 or CADS 1250

COMPUTER AIDED DESIGN & DRAFTING: ARCHITECTURAL (CADA)

CADA 1200 CR-3

Architectural Fundamentals

Students will study and apply architectural theory, the architectural development process, and the design process related to construction. They will study historical practices, methods and materials, identify current practices, and use tools to forecast future trends. Students will study basic building and material terminology. They will study the physical qualities, manufacturing processes, installation techniques and the organizational processes of construction materials and methods. Students will study sustainable development initiatives such as LEED. They will apply and analyze energy efficiency modeling software, and study building envelope design, materials, and create detail drawings.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADA 1210 CR-4

Single Family Residential

Students will study architectural design and residential plan set development in a working environment scenario involving the design of single family residence. They will work within a design team and complete a full plan set that will be building permit ready. Students will produce a set of drawings that includes site plan, floor plan, foundation, framing schematic, section and details, and exterior elevations. They will base their project on a unique client portfolio and custom design criteria. Students will prepare a sustainability and energy efficiency analysis of their design. They will make a presentation to the class of their completed project.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADA 1220 CR-4

Commercial Buildings

Students will develop the design and then prepare a site plan, building plans, schematics, sections and details for a commercial building. They will use glazing and storefront components, apply codes and standards, and prepare interior and exterior elevations. Students will develop schedules and specifications, explain coordination procedures to ensure completion of the project, and give a presentation of the project. They will explain Leadership in Energy and Environmental Design (LEED) standards and its applications.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADA 1250 CR-4

Introduction to Building Information Modeling (BIM) Software for Architectural

Students will identify types of 3-dimensional (3D) Architectural software. They will use 3D sketch software to create and combine assemblies to produce a building model. Students will use BIM software interface and identify principles of creating a building information model. They will identify families of components, set up a project, and set up views. Students will apply annotation and scheduling.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1302 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADA 2100 CR-4

Multi-Family Residential

Students will follow best practice design development procedure to prepare a site plan, floor plans, and a foundation plan for a multi-family residential building. They will prepare framing schematics, sections and details, and exterior elevations and material schedules. Students will prepare documents to applicable codes and standards, follow procedures to ensure completion and coordination of the project and present completed construction documentation. They will prepare and present project features for public reviews.

Prerequisites: Certificate in CADD - Architectural Specialty or DRAF 1110 and DRAF 1210 and DRAF 1310

CADA 2150 CR-4

Building Information Model (BIM) Software for Architectural - Project

Students will create advanced components, apply interior fittings, and use Building Information Model (BIM) software to output, input and link information. They will apply collaboration and design integration, use massing and phasing tools, and apply design options. Students will apply detailing, apply site design, and use advanced rendering techniques. They will use BIM software to complete a project.

Prerequisites: CADA 1250

COMPUTER AIDED DESIGN & DRAFTING: INDUSTRIAL (CADI)

CADI 1200 CR-3

Industrial Applications

Students will identify industrial processes and codes and standards. They will describe industrial design development, identify information from external resources, and describe types of drawings. Students will prepare a flow chart and a general arrangement, and identify materials handling equipment and components. They will identify piping equipment and components, and participate in industrial field trips.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADI 1210 CR-4

Conveyor Systems

Students will identify types of transfer decks, apply design criteria, and identify design principles to prepare a transfer deck. They will identify types of conveyors, draw and detail a belt conveyor, and prepare chute details. Students will apply appropriate drafting practice.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADI 1220 CR-4

Process Piping

Students will prepare piping and instrumentation diagrams, lay out a general arrangement, and prepare details of piping equipment. They will develop pipe routing and follow design principles to output piping orthographics and isometrics. Students will produce isometric spool drawings and apply appropriate drafting practice.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [(DRAF 1150 plus DRAF 1306)]) and (CADD 1160 or DRAF 1160)

CADI 1250 CR-4

Introduction to Industrial 3-Dimensional Modeling Software

Students will identify 3-dimensional (3D) software for industrial and mechanical applications. They will use 3D parametric modeling software to make effective sketches, model parts and generate 2-dimensional (2D) drawings. Students will create assembly files, presentation drawings and assembly drawings. They will use process piping software to place components into a piping model, create orthographic piping working drawings, and to automatically generate piping isometric drawings with a bill of materials. Students will use piping and instrumentation diagram (P&ID) software to create piping schematics.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1302 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

COMPUTER AIDED DESIGN & DRAFTING: MANUFACTURING AND FABRICATION (CADM)

CADM 1200 CR-3

Fundamentals of Manufacturing and Fabrication

Students will use manufacturing terms and definitions, follow safety procedures, and describe the characteristics of manufacturing materials. They will identify the roles of manufacturing professionals, and describe the manufacturing process flow. Students will identify manufacturing and fabrication equipment, identify heat treatments, and describe manufacturing and fabrication processes. They will describe assembly processes, identify sources of parts and materials, use measuring tools and techniques and apply geometric tolerance and dimensioning. Students will describe tolerancing and its effect on processes. They will identify welding processes, and identify common material stock shapes.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 and DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADM 1210 CR-4

Component Assembly and Details

Students will apply information from reference sources, follow relevant codes and standards, and follow Enterprise Resources Planning (ERP) and Material Resources Planning (MRP) procedures. They will describe the design intent of the assembly, source manufactured components, and prepare assembly and sub-assembly detail drawings. Students will prepare drawings of discrete parts, weldment drawings and sheet metal drawings. They will apply methods of dimensioning and specify machining techniques. Students will follow document control procedure for revised parts and identify quality control procedures. They will prepare bill of materials and material pull sheets, and follow document control procedures.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 and DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADM 1220 CR-4

Integrated Machine Design Systems

Students will identify the systems involved in machine design, and differentiate between the design concepts; function and form. They will describe alternative approaches to problem solving and the relationship to design. Students will identify structural, mechanical, electrical, electronic, and electro-mechanical principles related to machine design. They will identify software platforms used in industrial applications, apply trouble-shooting techniques, perform diagnostics, and perform analysis of basic designs.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 and DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADM 1250 CR-4

3 Dimensional (3D) Parametric Solids Modeling Software

Students will identify 3D software for each discipline, and list types of 3D parametric modeling software. They will use 3D parametric software interface and viewing commands and use 2 dimensional (2D) sketches to create 3D solids and surfaces. Students will create multiple configurations using tables and apply top-down modeling techniques to create assemblies with constraints. They will identify output formats and their applications. Students will create 2D rendered pictorial drawings, exploded assembly drawings and animation of assemblies.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 and DRAF 1306]) and (CADD 1160 or DRAF 1160)

COMPUTER AIDED DESIGN & DRAFTING: STRUCTURAL (CADS)

CADS 1200 CR-4

Introduction to Structural Drafting and Concrete

Students will describe the structural discipline and apply information from appropriate reference drawings and design notes to prepare concrete floor plans and foundation details, and apply reinforcing information. They will identify concrete characteristics, apply geotechnical information and identify principles of foundation design to prepare anchor bolt and equipment pad details. Students will identify precast / prestressed concrete and calculate reinforcing / concrete quantities. They will develop sections and elevations from plans.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [(DRAF 1150 plus DRAF 1306)]) and (CADD 1160 or DRAF 1160)

CADS 1210 CR-4

Structural Steel

Students will apply structural steel shapes, prepare line diagrams and apply bridging and open web steel joist extensions. They will prepare bolted and welded steel connections and prepare shop drawings. Students will calculate structural steel quantities.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [(DRAF 1150 plus DRAF 1306)]) and (CADD 1160 or DRAF 1160)

CADS 1220 CR-4

Wood Frame and Heavy Timber

Students will apply wood framing fundamentals. They will prepare drawings and details for a bridge approach span, a bridge main span and an abutment for a timber bridge. Students will indicate high and low water levels and prepare timber connections and an expansion joint detail.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADS 1250 CR-3

Introduction to Building Information Model (BIM) Software for Structural

Students will identify types of 3-dimensional (3D) used in structural applications. They will use 3D sketch software to model structural components and combine components to create a building model. Students will identify fundamentals of building modeling and will use Building Information Modeling software (BIM). They will identify hierarchies of components, set up drawings and output, import and export information. Students will apply annotation and scheduling.

Prerequisites: (CADD 1100 or DRAF 1100) and (CADD 1110 or DRAF 1110) and (CADD 1150 or [DRAF 1150 plus DRAF 1306]) and (CADD 1160 or DRAF 1160)

CADS 2100 CR-4

Site Work

Students will indicate contour lines, prepare site layout, and determine site grading. They will prepare site drainage, retaining walls, outline of buildings and prepare site access. Students will complete a site plan drawing.

Prerequisites: Certificate in CADD - Structural Specialty or DRAF 1360

CADS 2150 CR-4

Building Information Model (BIM) for Structural - Project

Students will explain document control procedures and apply a document change-manage process. They will follow health and safety procedures, describe the effects of office ergonomics, and follow appropriate office department related to design and drafting. Students will explain liability issues, follow ethical principles, and explain basic project management principles related to design and drafting. They will identify the roles of Engineering and Architectural professionals, and apply algebraic and trigonometric concepts and methods to solve problems.

Prerequisites: CADS 1250

COMPUTER BUSINESS SYSTEMS (CBSY)

CBSY 1105 CR-3

Computer Business Applications

Students will utilize computer application software in a business environment, and will be provided with detailed instruction in the use of spreadsheet, word processing, and presentation software. Students will develop and apply computer skills and concepts that are critical for academic and career through business-oriented examples taught in a hands-on environment (i.e. computer lab).

Transferable (refer to transfer guide)

CBSY 2205 CR-3

Management Information Systems

Students will examine the use of Information Systems from a management perspective in business. They will study how Information Systems are structured, and how these systems are used to support management decision making and gain a competitive advantage.

Prerequisites: 15 undergraduate credits: CBSY 1105 or CPSC 1100 required plus a minimum of 12 undergraduate credits from any course 1100-level or higher. A minimum grade of C must be achieved in each course.

Transferable (refer to transfer guide)

CBSY 2305 CR-3

Advanced Microcomputer Applications

Students will identify and solve business problems using database, spreadsheet, and accounting software. The student will research business opportunities, write project descriptions, develop a project using the application software, prepare user documentation and present the results in written form. The current packages in use are Microsoft Windows®, Microsoft Office® and CA Simply Accounting®.

Note : Effective September 2002 students can not receive credit for graduation purposes from the Marketing Management Diploma program for both CBSY 2305 and 2310

Prerequisites: CBSY 1105 and (ACCT 1110 or ACCT 2293 or ACCT 1160)

Transferable (refer to transfer guide)

CBSY 2306 CR-3

Simply Accounting and Advanced Excel

Students will learn how to solve business problems using Excel spreadsheets. Students will learn to use Simply Accounting to create accounts, define settings, record transactions, perform periodic processing and reporting within the General Ledger, Accounts Payable, Accounts Receivable, Payroll, Inventory and Project Modules. Students will learn to use the results of Simply Accounting reports in Excel spreadsheets to analyze data in support of business decision making.

Prerequisites: CBSY 1105 and (ACCT 1110 or ACCT 2293)

CBSY 2310 CR-3

Advanced MS Office and Web Site Applications

Students will learn to identify business problems and solve them using database, spreadsheet, Web page development and Internet browser software. They will integrate the various current software components of Microsoft Office, industry standard website design applications, and web browsing software in solving these problems. For graduation purposes, credit will not be granted for both CBSY 2310 and 2305.

Prerequisites: CBSY 1105

Not Transferable

CBSY 2405 CR-3

Accounting Information Systems

Students will acquire a basic knowledge of computer-based information systems, how they are developed and managed, and their role in the performance of accounting functions.

Prerequisites: CBSY 2205 and (ACCT 1210 or ACCT 2293)

Transferable (refer to transfer guide)

CBSY 3100 CR-3

Ethics in Information Technology

Students will study a variety of ethical and technology topics such as e-commerce, privacy, Internet issues, surveillance, intellectual property, etc. They will acquire knowledge of the theory and practice of business ethics in relation to information technology (IT). Student will also examine social, political, ethical, moral philosophical and legal issues that arise with the use of computer technologies.

Note: Students coming in to this course should have some significant study and group work experience in order to be able to contribute to and succeed in the course.

Prerequisites: (ENGL 1100 or CMNS 1140) and 60 credits of any 1100 higher university level courses

COMPUTER SCIENCE (CPSC)

CPSC 1100 CR-3

Introduction to Computer Literacy

Students will learn concepts and trends in computer science. Students will gain an understanding of the terminology, current issues and changes in the technology of computing. Students will learn to use major application packages, such as word processing, spreadsheet and relational database. Students will develop structured programs using Visual Basic for Applications. Students will also examine social and ethical issues in computing.

Transferable (refer to transfer guide)

CPSC 1103 CR-3

Introduction to Computer Programming I

Students will learn fundamental programming concepts using the C++ programming language. Principles of problem solving and algorithm design will be introduced as well as basic techniques for data representation and manipulation. Students will learn how to design, develop, test and document well-structured programs.

Prerequisites: C+ in Math 12 or B in CPSC 1100 or B in CISCY 1105 or B in CBSY 2205 or equivalent
Transferable (refer to transfer guide)

CPSC 1204 CR-3

Introduction to Computer Programming II

Students will learn fundamental programming design and implementation concepts and skills in the context of Java. Students will review elementary concepts, study more advanced data types such as: data structures, program design techniques, object-oriented design and programming. Students will also be introduced to concepts and design principles of graphical user interfaces. Students will learn methods for good design and style.

Prerequisites: CPSC 1103
Transferable (refer to transfer guide)

CPSC 1250 CR-3

Introduction to Computer Design

Students will study the fundamental principles of computer processing hardware, including digital logic circuit design, data representation, memory structure and organization, and program execution. They will also learn to design and implement assembly language programs.

Prerequisites: CPSC 1103

CPSC 2302 CR-3

Data Structures and Program Organization

Students will learn fundamental tools of data and program organization, including structured problem solving, data abstraction and object-oriented programming. They will develop and practice skills in formulating ideas into algorithms, in refining algorithms into well-structured programs for solving practical problems, and in using analysis tools to make knowledgeable choices as to the best data structure for a particular application.

Prerequisites: CPSC 1204 or INFO 2313
Transferable (refer to transfer guide)

CPSC 2405 CR-3

Introduction to Discrete Mathematics I

This course introduces students to applications of discrete mathematics in computing science. Mathematical concepts such as set theory, logic, formal reasoning, induction, counting, relations and functions, formal languages, automata theory and graph theory are the main focus.

Prerequisites: CPSC 1103 or (B in Computer Science 12 and C+ in Math 12)
Transferable (refer to transfer guide)

CPSC 3110 CR-3

Simulation

Students will learn computer simulation and modeling techniques. They will learn simulation methodologies and techniques for random number and stochastic variate generation. They will also learn simulation design, analysis and estimation based on endogenously created data, simulation model validation and variance reduction. Students will implement simulation models for real-life applications using a computer programming language.

Prerequisites: (CPSC 2302 or INFO 3125) and MATH 2315
Transferable (refer to transfer guide)

COUNSELLING PSYCHOLOGY (CNPS)

CNPS 3310 CR-3 (formerly LCOM 3310)

Theories of Counselling

Students will be introduced to major theoretical approaches that underlie the work of counsellors. They will examine psychodynamic, behavioral, cognitive, existential, phenomenological, school-based, post-modern, and family systems theoretical frameworks in their broad sociological, historical, and philosophical contexts, while critically evaluating their own assumptions regarding health, dysfunction, and change.

Note: Students may get credit for only one of CNPS 3310 or LCOM 3310 as these are identical courses.

Prerequisites: 45 credits at 1100-level or higher
Transferable (refer to transfer guide)

CNPS 3320 CR-3 (formerly LCOM 3320)

Career Counselling and Career Education

Students will develop a broad understanding of major theories of career development and related assessments. They will explore historical and cross-cultural perspectives on the meaning of work and considerations for career development, counselling, and education with diverse populations and in diverse settings (i.e., elementary, secondary, post-secondary, and community agencies). Students will also critically examine moral and ethical issues related to this work, and they will apply theoretical concepts to their own process of career development.

Note: Students may get credit for only one of CNPS 3320, EDUC 3320 or LCOM 3320 as these are identical courses.

Prerequisites: At least 45 credits of coursework completed at the 1100-level or higher
Transferable (refer to transfer guide)

CNPS 3330 CR-3 (formerly LCOM 3330)

Cultural Considerations in Counselling

Students will be introduced to issues of diversity as they pertain to the helping professions in contemporary multicultural societies. They will develop an understanding of the situated nature of identity, examine the relationship between cultural assumptions and the counselling process, and explore Western and non-Western conceptions of psychological health and healing. Students will also examine issues of cultural competence and engage in reflection regarding their own assumptions, strengths, and challenges in relation to living and working in a pluralist society.

Note: Students may get credit for only one of CNPS 3330 or LCOM 3330 as these are identical courses.

Prerequisites: 45 credits at the 1100 level or higher.
Transferable (refer to transfer guide)

CNPS 4300 CR-3 (formerly LCOM 4300)

Counselling Relationships and Basic Skills

Students will examine how helping relationships are developed and learn basic interviewing skills. They will learn active listening skills and examine the values, knowledge, and abilities necessary for communicating in a professional helping context. Students will participate in role-plays and simulated helping interactions including video recording to receive feedback on their communication skills.

Note: Students may get credit for only one of CNPS 4300 or LCOM 4300 as these are identical courses.

*Prerequisites: LCOM 3310 or CNPS 3310
Transferable (refer to transfer guide)*

CNPS 4310 CR-3 (formerly LCOM 4310)

The Reflective Practitioner

Students will survey a range of helping services and be introduced to their philosophical underpinnings and practices. They will examine their own expectations, assumptions, and developmental issues in becoming a helping professional through the process of journaling, reflection, and reading. Students will examine both theoretical and pragmatic issues related to reflective practice and ongoing self-supervision. They will consider professional issues in dealing with challenging clients, power struggles, boundaries, and counsellor over-involvement. Students will consider the occupational hazards associated with the helping profession and personal needs for self-care.

Note: Students may get credit for only one of CNPS 4310 or LCOM 4310 as these are identical courses.

*Prerequisites: LCOM 3310 or CNPS 3310
Transferable (refer to transfer guide)*

CNPS 4330 CR-3 (formerly LCOM 4330)

Group Facilitation

Students will learn a wide spectrum of both theoretical and experiential approaches to group facilitation, with particular emphasis on core facilitation skills. They will examine group dynamics and evolution, interpersonal relationships (e.g., conflicts, alliances and other structures), leadership styles, curriculum development, and the role of health and healing practices. Students will develop effective facilitation strategies through achieving greater self-awareness and active sensing. They will also learn about the emerging models of group work which focus on collaboration, community-building and creativity.

Note 1: This is a seminar course.

Note 2: Students may get credit for only one of CNPS 4330 or LCOM 4330 as these are identical courses.

*Prerequisites: 60 credits of 1100-level or higher courses
Transferable (refer to transfer guide)*

CREATIVE WRITING (CRWR)

CRWR 1100 CR-3

Introduction to Creative Writing I

Students will study and apply the fundamental techniques of writing fiction and poetry. They will also read and critique assigned published works, as well as the works of their peers.

*Prerequisites: An English 12 grade B or higher or ENGL 1099 or ENGQ 1099 grade of C or (ABEE 0091 or PSPE 1091 or ENGP 1091) or Kwantlen English Placement Test placement or an LPI Essay score of 26
Transferable (refer to transfer guide)*

CRWR 1110 CR-3

Introduction to Creative Writing II

Students will study and apply the fundamental techniques of writing drama (stage plays, radio plays, or screenwriting), and will continue developing their skills in the writing of fiction and poetry.

*Prerequisites: CRWR 1100 with a C+
Transferable (refer to transfer guide)*

CRWR 1240 CR-3

Writing for New Forms and Media

Students will learn and practice new forms of creative writing such as collaborative composition, writing for new and social media, blogging, and writing for digital publications. They will study emerging uses of online technologies and will learn writing skills through individual composition, group work, and the development of electronic portfolios.

NOTE: Students may earn credits for only one of CRWR 1240 or IDEA 1240, as they are the same course.

Transferable (refer to transfer guide)

CRWR 2140 CR-3

Writing and Creativity on the Web

Students will study current and emergent creative modalities on the Web, with particular emphasis on writing, design, promotion, and publishing. They will learn how to create an engaging online presence for their creative work and will explore approaches to developing a creative identity on the Web. They will develop these skills through individual designs and compositions, group work, and the creation of digital portfolios.

*Prerequisites: CRWR 1240
Transferable (refer to transfer guide)*

CRWR 2300 CR-3

Drama, Fiction and Poetry I

Students will pursue writing in the genre of their choice in an open-workshop setting. In consultation with the instructor, they will undertake individualized programs of study which include writing, reading, revision of their own work, and critiquing of their peers' work.

*Prerequisites: CRWR 1110 with a C+
Transferable (refer to transfer guide)*

CRWR 2310 CR-3

Drama, Fiction and Poetry II

Students will continue to develop their writing skills in the genre of their choice in an open-workshop setting. In consultation with the instructor, they will undertake individualized programs of study which include writing, reading, revision of their own work, and critiquing of their peers' work.

*Prerequisites: CRWR 2300 with a C+
Transferable (refer to transfer guide)*

CRWR 3100 CR-3

Techniques in Short Fiction

Students will study, develop, and practice the various techniques of the short fiction. They will apply that genre knowledge through a critical examination of short fiction by established authors.

Prerequisites: CRWR 2300 or CRWR 2310 or CRWR 3101

CRWR 3110 CR-3**Poetic Forms and Techniques**

Students will learn advanced poetic techniques through lectures and the study of the poetic traditions. They will also develop and practice techniques through the writing and workshopping of their poems.

Prerequisites: 6 credits of either CRWR or ENGL at the 1100 level

CRWR 3120 CR-3**Screenwriting I**

Students will develop and practice screenplay-writing techniques and revision skills through the writing of their own work, and through the critique of their peers' work, in a combination lecture/workshop setting. They will develop their original screenplay ideas from pitch to treatment, and will analyze films and screenplays from a writer's perspective through close reading, informed discussion, and writing.

*Prerequisites: 6 credits of either CRWR or ENGL at the 1100 level
Transferable (refer to transfer guide)*

CRWR 3130 CR-3**Creative Non-Fiction I**

Students will develop and practice writing, reading, and revision of creative non-fiction (personal essay, memoir and literary travelogue) through the writing of their own work, and through the critique of their peers' work, in a combination lecture/workshop setting. Students will also analyze published creative non-fiction from a writer's perspective through close reading, informed discussion, and writing.

Prerequisites: 6 credits of either CRWR or ENGL at the 1100 level

CRWR 3140 CR-3**Alternative Forms and New Media**

Students will develop their creative writing through fiction, poetry, creative non-fiction, and experimental writing. They will express their writing through a variety of alternative forms and new media including site-specific sound and installation. Students will critically analyze theory and criticism of new media and the history of creative writing in alternative forms and new media, as well as conduct research into contemporary writers working in these forms.

*Prerequisites: CRWR 2140, B- or higher
Transferable (refer to transfer guide)*

CRWR 3200 CR-3 (formerly CRWR 3101)**Short Fiction**

Students will practice writing, reading, and revision of short fiction through the writing of their own work, and through the critique of their peers' work, in a combination lecture/workshop setting. They will also analyze published short fiction from a writer's perspective through close reading, informed discussion, and writing.

*Prerequisites: CRWR 3100
Transferable (refer to transfer guide)*

CRWR 3210 CR-3**Advanced Poetic Forms and Techniques**

Students will learn the function of form in poetry through lectures and the study of poetic traditions. They will also develop and practice form through the writing and workshopping of their poems.

Prerequisites: CRWR 3110 with a B-

CRWR 3220 CR-3**Screenwriting II**

Students will continue to develop and practice screenplay-writing techniques and revision skills through the writing of their own work, and through the critique of their peers' work, in a combination lecture/workshop setting. They will develop their original treatments into screenplays, and will analyze films and screenplays from a writer's perspective through close reading, informed discussion, and writing.

*Prerequisites: CRWR 3120 with a B-
Transferable (refer to transfer guide)*

CRWR 3230 CR-3**Creative Non-Fiction II**

Students will continue to develop and practice writing, reading, and revision of creative non-fiction through the writing of their own work, and through the critique of their peers' work, in a combination lecture/workshop setting. Students will also analyze published creative non-fiction from a writer's perspective through close reading, informed discussion, and writing.

Prerequisites: CRWR 3130 with a B-

CRWR 3301 CR-3**Mythological Narratives**

Students will apply the writing skills necessary to adapt mythological strategies to their own compositions. They will learn about the mythological traditions that are the foundation of almost all world literatures. Students will contextualize their own work within the contemporary, multicultural streams of mythological writing, and will broaden their understanding of the roots of creative writing.

*Prerequisites: 30 credits of 1100-level (including ENGL 1100) or
higher courses
Transferable (refer to transfer guide)*

CRWR 3302 CR-3**Themes in Literary Writing**

Students will learn about established and developing themes and ideas in literary work while studying relevant aspects of craft chosen by the instructor such as intention, process, technique and response. They will also develop and practice relevant creative writing techniques and strategies in relation to their own writing. Note: Themes in Literary Writing is a creative writing course that focuses on a different genre, theme or aspect of literary writing each time it is offered.

*Prerequisites: 30 credits of 1100-level or higher courses, including
3 credits of ENGL or CRWR
Transferable (refer to transfer guide)*

CRWR 3303 CR-3**The Business of Writing**

Students will study business, marketing and professional skills that will help prepare them, as writers, to better navigate the publishing industry. They will learn about traditional and nontraditional literary markets, granting bodies, standard contracts, fair compensation, interviewing techniques, professional writing organizations and issues significant to working writers.

*Prerequisites: 9 credits of CRWR with at least 3 credits of CRWR
at 2300-level
Not Transferable*

CRWR 4100 CR-3**Advanced Short Fiction I**

Students will develop and practice writing, reading, and revision of short fiction on a sustained project, or series of projects, of their choice. They will critique their peers' work, in a workshop setting. Students will also analyze published short stories from a writer's perspective through close reading, informed discussion, and writing.

Prerequisites: CRWR 3200

Transferable (refer to transfer guide)

CRWR 4110 CR-3**Advanced Poetry Workshop I**

Students will develop and apply advanced poetic techniques and forms, and reading and revision skills through the writing of their own work in an individual project, and they will also discuss and analyze assigned readings of poetry and poetics. Primarily, they will create a project proposal, and then work toward a substantial poetry portfolio which will be intensively revised.

Prerequisites: CRWR 3210

Transferable (refer to transfer guide)

CRWR 4120 CR-3**Advanced Screenwriting I**

Students will continue to develop and practice screenplay-writing techniques, and reading and revision skills through the writing of their own work, and through the critiquing of their peers' work, in a workshop setting. They will create a speculative television script for a possible series, or a feature-length screenplay. Students will form and develop guidelines for effective criticism and revision of their writing through analysis and discussion.

Prerequisites: CRWR 3220 or permission of instructor (Note: For permission of instructor students are required to have CRWR 3120 AND sample screenplay portfolio.)

Transferable (refer to transfer guide)

CRWR 4130 CR-3**Advanced Creative Non-Fiction I**

Students will develop and practice writing, reading, and revision of creative non-fiction on a sustained project, or series of projects, of their choice. They will critique their peers' work in a workshop setting. Students will also analyze published creative non-fiction from a writer's perspective through close reading, informed discussion, and writing.

Prerequisites: CRWR 3230

Transferable (refer to transfer guide)

CRWR 4200 CR-3**Advanced Short Fiction II**

Students will learn about and practice advanced techniques in writing, reading, and revision of short fiction. They will develop professional quality work on a sustained project, or series of projects, of their choice.

Prerequisites: CRWR 4100

Transferable (refer to transfer guide)

CRWR 4210 CR-3**Advanced Poetry Workshop II**

Students will apply advanced poetic techniques, reading and revision skills through the writing of their own work in an individual project. They will primarily work toward a substantial poetry portfolio which will be revised intensively with the goal of publication. Students will research literary avenues of publication for their work.

Prerequisites: CRWR 4110

Not Transferable

CRWR 4220 CR-3**Advanced Screenwriting II**

Students will continue to develop mastery of screenwriting techniques, and reading and revision skills through the writing of their own work. They will create a speculative television script for a possible series, or a feature-length screenplay. Students will develop guidelines for effective criticism and revision of their writing through analysis and discussion.

Prerequisites: CRWR 4120 or permission of instructor (Note: For permission of instructor students are required to have CRWR 3220 AND sample screenplay portfolio.)

Not Transferable

CRWR 4230 CR-3**Advanced Creative Nonfiction II**

Students will apply advanced creative nonfiction techniques, reading and revision skills through the writing of their own work in an individual project with instructor approval. They will prioritize work toward a substantial portfolio of creative nonfiction which will be revised intensively with the goal of publication.

Prerequisites: CRWR 4130

Not Transferable

CRIMINOLOGY (CRIM)**CRIM 1100 CR-3****Introduction to Criminology**

Students will examine the core concepts, basic data sources, and general research findings in the field of criminology, with particular attention to Canadian developments. They will study elements of continuity and discontinuity between traditional and contemporary theories of crime, deviance, criminality, and social control. Students will also be exposed to the major forms of criminal behaviour.

Transferable (refer to transfer guide)

CRIM 1101 CR-3**Introduction to the Criminal Justice System**

Students will study the various components that form the processes by which Canada responds to criminal behaviour. They will survey each of these components, such as the police, courts, and corrections, and will evaluate their impact on achieving justice.

Transferable (refer to transfer guide)

CRIM 1107 CR-3**Canadian Legal Systems**

Students will study Canada's legal systems, the different ways law is made in Canada, how law is organized, different explanations and perspectives of law, and its role in Canadian society. They will examine the court system and its processes, the selection and role of judges, how people become lawyers, and lawyers' responsibilities and regulation. Students will learn basic concepts in public and private law, including constitutional, criminal, and tort law. They will learn basic techniques of legal reasoning and research.

Transferable (refer to transfer guide)

CRIM 1207 CR-3**Introduction to Criminal Law**

Students will study the elements of criminal offenses and defenses in statute and case law in Canada. They will examine the historical, philosophical, and social roots of current criminal law and their impact on the definition of crime in Canada. Students will study how criminal law issues have been defined in the past, and how the Charter of Rights and Freedoms has contributed to the resolution of some issues and created new ones.

Prerequisites: CRIM 1107

Co-requisites: CRIM 1101 CRIM 1101

Transferable (refer to transfer guide)

CRIM 1208 CR-3**Methods of Research in Criminology**

Students will examine the basic methods of research frequently employed in the field of criminology. They will study the connection between theory and research, key elements of deductive and inductive approaches, quantitative and qualitative analytic strategies, and ethical issues in research.

Prerequisites: CRIM 1100 and CRIM 1101

Transferable (refer to transfer guide)

CRIM 1215 CR-3**Interpersonal and Professional Development in Criminology**

Students will be introduced to the values and skills essential to working competently and ethically in justice and human service systems. They will learn and practice various aspects of interpersonal communication, including effective listening, empathic engagement, appropriate self-disclosure, ethical decision making, teambuilding, advocacy skills, and interviewing techniques. Students will focus on self-awareness, critical thinking, and reflection, while embracing the values of diversity and humility. They will be active participants, engaging in experiential exercises and various practice sessions throughout the course.

Prerequisites: 15 credits of 1100-level or higher

Transferable (refer to transfer guide)

CRIM 2103 CR-3**Quantitative Data Analysis I**

Students will explore the logic and techniques of quantitative data analysis in criminal justice research, focusing on both descriptive and inferential statistics. They will, through the use of computer software, prepare data sets for analysis and describe and interpret univariate distributions and bivariate relationships.

Prerequisites: CRIM 1208

Transferable (refer to transfer guide)

CRIM 2204 CR-3 (formerly CRIM 1204)**Criminal Justice and Psychology**

Students will critically examine and evaluate the Canadian criminal justice system from a legal psychological perspective. They will study the structure and functions of the criminal justice system and its principal participants by examining current knowledge in the field of forensic and social psychology. Students will analyze theories and research relevant to the role of the police, prosecutor, defence lawyer, judge, jury, witness, and defendant. They will review the relevance and admissibility of psychological knowledge in criminal adjudications through case law analysis. Students will also explore the influences on the criminal justice process from the community, the public, and the media.

Prerequisites: CRIM 1101 (CRIM 1107 and CRIM 1202 recommended)

CRIM 2205 CR-3**Crime, Criminal Justice, and the Media**

Students will critically examine the various ways in which crime and criminal justice are constructed in the media. They will explore crime and criminal justice representations in various media including films, television, print, and new media. Students will analyze how media constructions influence and shape historical and contemporary perceptions of crime and justice issues.

Prerequisites: CRIM 1100

Transferable (refer to transfer guide)

CRIM 2211 CR-3 (formerly CRIM 1211)**Introduction to Policing**

Students will examine the organizations, structures, and operations of Canadian policing. They will explore the institution of the public police and the practice of policing, policing history, theoretical perspectives on the role and function of policing, police subculture, and police-community relationships. Students will analyze police powers and the exercise of discretion, police procedures, operations, and governance accountability. They will also learn about emerging dimensions in policing research, including the expansion of pluralized or private forms of policing.

Prerequisites: CRIM 1101

Transferable (refer to transfer guide)

CRIM 2214 CR-3**Corrections: Theory and Practice**

Students will develop an understanding of the history, theory, and philosophy of corrections and correctional practice, including the role of ideology in punishment and control, alternatives to incarceration, the organization and interaction of various correctional agencies and offender populations, and current trends in correctional practice. They will consider the lived experience of correctional staff and offenders and relationships of power, resistance, and identity within correctional settings. Students will explore international and North American developments in corrections.

Prerequisites: CRIM 1100 and CRIM 1101

Transferable (refer to transfer guide)

CRIM 2249 CR-3 (formerly CRIM 1249)**Youth Justice**

Students will study the definition and control of youth misconduct in an historical and contemporary context. They will become familiar with the ways in which the definition of youth delinquency changes with shifting philosophical and sociopolitical circumstances with an emphasis on how these circumstances play out in a Canadian context. Students will critically analyze the historical and contemporary youth justice models in Canada. They will also learn theories of juvenile delinquency. Students will assess the social impact of programs and services implemented to deal with young offenders.

Prerequisites: CRIM 1101

Transferable (refer to transfer guide)

CRIM 2330 CR-3**Psychological Explanations of Criminal Behaviour**

Students will be introduced to and critically examine neurophysiological, bio-genetic, psychiatric, and psychological explanations of deviant and criminal behaviour. They will give special attention to research that explores associations between criminality and genetics, brain chemistry, the endocrine system, mental disorders, personality, moral development, and various forms of social learning.

Prerequisites: PSYC 1100 or PSYC 1200 or 76 credits of PSYN

Transferable (refer to transfer guide)

CRIM 2331 CR-3**Sociological Explanations of Criminal Behaviour**

Students will explore various sociological explanations for crime, criminality, and disorder. They will examine topics such as functionalism, social disorganization, sub-cultural theory, differential association, differential opportunity, strain theory, control theory, labelling, conflict theory, radical, feminist, and other critical perspectives including postmodern approaches. Students will critically evaluate each approach for strengths and weaknesses and assess each perspective as an explanation for contemporary forms of crime and disorder.

Prerequisites: CRIM 1100 or SOCI 1125

Transferable (refer to transfer guide)

CRIM 2341 CR-3**Canadian Criminal Justice Administration**

Students will examine issues in the administration of criminal justice in Canada with regard to accountability, change and impact. They will use theories of the state and society to analyze criminal justice events, institutions and processes, and will examine the creation of public opinion and the influence of social, political and other groups. Students will compare the responses of the judiciary, the administration, and the legislature to the development of criminal justice policy and will consider the impact and application of scholarly research and views on policy development.

Prerequisites: CRIM 1101 and CRIM 1107

Transferable (refer to transfer guide)

CRIM 2355 CR-3**Police Deviance and Accountability**

Students will analyze the issue of police accountability and address the social, political, organizational, and psychological factors that contribute to police deviance. They will examine corruption, perjury, the use of excessive force, and personal or family repercussions of work pressures. Students will also examine systemic racial, gender, and class discrimination and society's response to police deviance. They will spend time analyzing the unique Canadian aspects of this topic.

Prerequisites: CRIM 1101

Transferable (refer to transfer guide)

CRIM 3000 CR-3**Justice/Injustice**

Students will critically examine the concept of justice with respect to ongoing struggles for a just society. They will use a historical overview to explore how contemporary societies position themselves in relation to justice and injustice, including colonialism, post-colonialism, globalization, and counter-hegemonic movements. Students will be provided an opportunity to deconstruct taken for granted notions of how "justice" has become embedded in contemporary society. They will critically examine the interface between individual, collective, institutional, and global forces, and their impact on justice-related issues. Students will focus on the following paradigms of justice: social, restorative, retributive, distributive, and community. They will gain a critical understanding of the relationship between justice and injustice using both theory and praxis, while working in the classroom and the field.

NOTE: This is a seminar course.

Prerequisites: CRIM 2341 and 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 3100 CR-3**Advanced Theories of Crime and Community**

Students will critically examine theoretical and empirical issues in crime and community research. They will study the ways in which structural, cultural, and institutional components of communities impact crime and delinquency. Students will also examine the effect of crime and delinquency on communities.

Prerequisites: CRIM 2330 and 2331 and 6 credits of ENGL at the 1100 level or higher

CRIM 3103 CR-3**Quantitative Data Analysis II**

Students will learn the important role that theory plays in guiding quantitative data analysis in criminal justice research. They will, through the use of computer software, use regression-based techniques to assess different types of variable relationships that are theorized in the field of criminology, including those that involve direct, indirect, and conditional effects.

Prerequisites: CRIM 2103

CRIM 3104 CR-3**Qualitative Research Methods**

Students will learn the theory and practice of qualitative inquiry in criminological and criminal justice research. They will examine and assess data collection procedures that may include interviews, observation, and focus groups, and will evaluate strategies for organizing and analyzing qualitative data. Students will apply learned principles to selected examples.

Prerequisites: CRIM 1208 and 6 credits of ENGL at the 1100 level or higher

CRIM 3111 CR-3**Contemporary Sociological Criminology**

Students will examine contemporary trends in sociological criminology. They will review current themes and debates arising from a variety of theoretical perspectives. Students also will explore how an increasing emphasis on integrative model building influences sociological thinking in criminology. They will critically assess policy implications arising from recent developments in sociological criminology.

Note: This is a seminar course.

Prerequisites: 60 undergraduate credits including CRIM 2331 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3113 CR-3**Critical Criminology**

Students will examine the core elements of critical analysis within criminology and will assess their application to the study of crime and social control. They will differentiate between alternative critical perspectives in terms of underlying assumptions and conceptions of power and inequality in society.

Prerequisites: CRIM 1100 and 2331 and 6 credits of ENGL at the 1100 level or higher
Transferable (refer to transfer guide)

CRIM 3115 CR-3**Crime Mapping**

Students will examine the use of geographic information systems (GIS) techniques as applied to crime analysis and criminal investigations. They will critically analyze the developments within the past decade in the use of geographical concepts/methodology toward the spatial-statistical analysis of criminal activity. Students will conduct spatial analyses of criminal activity and criminal patterns via geographic software. They will critically analyze the interrelationships between various methodological and practical issues pertaining to applied crime mapping versus academic criminological spatial analyses.

Prerequisites: CRIM 2103
Transferable (refer to transfer guide)

CRIM 3118 CR-3**White-Collar and Corporate Crime**

Students will critically analyze conceptualizations of white-collar crime, corporate crime, and elite deviance. They will examine constructions of social harm and theoretical explanations of political, environmental, occupational, and corporate criminality. Students will study societal reactions to, and the prevention and regulation of, white-collar crime, corporate crime and elite deviance.

Prerequisites: CRIM 1100 and (CRIM 2331 or 2341) and 6 credits of ENGL at the 1100 level or higher
Transferable (refer to transfer guide)

CRIM 3213 CR-3**Community Corrections**

Students will critically evaluate the role of community corrections as an alternative to incarceration and as an approach to rehabilitation and community integration. They will critically examine such community-based programs as probation and intermediate sanctions including conditional sentencing. Students will critically evaluate conditional release programs such as parole and statutory release. They will critically analyze community corrections models and existing programs and sanctions as well as the challenges of working with offenders in community settings.

Prerequisites: (CRIM 2214 or 2341) and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3217 CR-3**Women, Crime, and Justice**

Students will develop an historical and analytical overview of female offending and female victimization. They will take into account the function of gender in criminality and victimization and the social responses to crime and victimization. Students will examine various theories of female crime and delinquency, with an emphasis on feminist theories. They will focus on patterns of control, punishment, policies and their implementation, as they affect women and girls in conflict with the law.

Note: This is a seminar course.

Prerequisites: (CRIM 2331 or 2341) and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3249 CR-3**Issues in Youth Justice**

Students will critically and comparatively analyze current issues in youth justice. They will study issues such as the social construction of youth problems, youth and the media, the culture of crime, and street youth. Students will examine the over-representation of minority youth in the youth justice system, gender issues in justice, etiology of specific youth offending, realities and challenges of sentencing youth, and rehabilitative and alternative measure practices.

Prerequisites: CRIM 2249 and 6 credits of ENGL at the 1100 level or higher
Transferable (refer to transfer guide)

CRIM 3302 CR-3 (formerly CRIM 1202)**Procedure and Evidence**

Students will learn the fundamentals of the law of criminal procedure and criminal evidence in Canada and will critically assess the policies behind the law. They will examine issues relating to charges, bail hearings, preliminary hearings, trials and appeals. Students will study the law on collecting and presenting evidence in light of current constitutional, statutory and common law limitations, and will compare criminal process with civil process.

Prerequisites: CRIM 2341 and 1207 and 6 credits of ENGL at the 1100 level or higher
Transferable (refer to transfer guide)

CRIM 3305 CR-3**Law and Society**

Students will learn about the relationship of law to different social and political structures. They will study the processes of making, enforcing and reforming law, from different sociological, historical, and jurisprudential perspectives. Students will study the development of public opinion about law within communities and in the broader society, and the role of public opinion in law reform. They will consider the role of legal reform in defining crime and deviance.

Prerequisites: CRIM 2341 and (CRIM 2330 or CRIM 2331) and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3307 CR-3**Issues in Conflict Resolution**

Students will learn and practice theories of conflict resolution such as negotiation, mediation, and advocacy. They will study emerging uses of conflict resolution in the criminal justice system and in other settings within the community. They will learn conflict resolution skills through role-playing and group work.

* This is a seminar course.

Prerequisites: CRIM 2341 and (CRIM 2330 or 2331) and 6 credits of ENGL at the 1100 level or higher
Transferable (refer to transfer guide)

CRIM 3351 CR-3 (formerly CRIM 1251)**Philosophy of Law**

Students will study theories about the purpose and function of law from various historical eras. They will study major philosophical movements and perspectives on law including natural law, legal positivism, legal formalism, legal realism, law and economics and critical legal studies. Students will apply these philosophies and perspectives to current legal issues relating to topics such as rights, punishment and justice.

Note: this is a seminar course

Prerequisites: CRIM 2341 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3512 CR-3**Mental Disorder and Canadian Law**

Students will critically examine the role mental disorder plays in Canadian civil and criminal proceedings. They will focus on the ways in which mentally disordered individuals are subject to different legal procedures and considerations in Canada. Students will examine the forensic assessment of mental disorder and its relationship to various legal standards and issues including civil commitment, the right to refuse treatment, fitness to stand trial, criminal responsibility, and dangerous and long-term offender hearings.

Prerequisites: CRIM 2341 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 3800 CR-6**Service Learning in Criminology and Justice**

Students will volunteer for a not-for-profit social service agency or other community group that is mandated to address issues related to criminology and/or social justice. They will integrate criminological theory, concepts, and methods with their own direct experience of working in a community agency. Students will also be involved in weekly classroom meetings with classmates to share experiences, self-reflections, and insights about their volunteer work. They will reflect on, and analyze, the connections and disconnections between 'academic' and other sources of knowledge at play at the community level.

Note: This is a seminar course combined with service learning.

Note: The volunteer placement will be established in advance in consultation with the instructor.

Prerequisites: 45 credits of 1100 or higher including CRIM 1215 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 4112 CR-3**Contemporary Psychological Criminology**

Students will critically analyze a diverse spectrum of contemporary perspectives in psychological criminology. They will evaluate the explanatory scope and testability of theoretical models in the field. Students will critically assess policy implications arising from recent developments in psychological criminology.

Note: This is a seminar course.

Prerequisites: 60 credit hours including CRIM 2330 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 4150 CR-3**Directed Studies**

Students will carry out a detailed investigation of a criminological topic consisting of readings and research, under the supervision of a faculty member with expertise in the area. They will be required to identify relevant sources of information and to develop a comprehensive understanding of their topic, in addition to submitting a final assignment.

Note: Students may take this course a maximum of three times for further credit on different topics. Departmental permission is required as this course has limited offerings.

Prerequisites: CRIM 2330 and 2331 and 2341 and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 4154 CR-3**Community Criminal Justice Project I**

Students will collectively participate in one or more stages of a community-based research project overseen by a faculty member. They will investigate, describe and analyze one or more criminal justice issues in the context of the specific community, drawing on historical sources, theory and comparable research from other projects and other communities. Students will identify and work with community stakeholders to communicate and evaluate their research findings

Prerequisites: (CRIM 3103 or CRIM 3104 or PSYC 3300) and permission of the instructor

CRIM 4155 CR-6**Community Criminal Justice Project II**

Students will participate in one or more stages of a research process within the context of a project overseen by a faculty member. They will conduct a literature review focusing on issues related to either the specific stage(s) of the research process in which they will be involved, or to the substantive focus of the research project. Students will relate their findings to research design, implementation, data analysis, and/or communication of results.

Prerequisites: CRIM 3103 and CRIM 3104

CRIM 4201 CR-3**Community Safety and Crime Prevention**

Students will critically examine initiatives that can be undertaken at the community level to prevent crime and promote public safety. They will study crime prevention approaches that target elements of the built environment as well as the social and economic conditions that are linked to offending behaviour. Students will assess crime prevention and public safety not only in local neighbourhoods, but also at the municipal, provincial, national, and international levels.

Note: This is a seminar course.

Prerequisites: CRIM 2331 and 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 4235 CR-3**Minorities and the Criminal Justice System**

Students will critically analyze the practices of othering. They will learn how these practices separate, exclude and disempower based on profiles organized by race, ethnicity, nationality, gender, sexuality, religion, education, ability, socio-economic status and/or other such categorizations. Students will examine relations of power between minorities and majorities within and with the criminal justice system, investigating processes of criminalization, victimization, oppression, colonization and resistance.

Note: This is a seminar course.

Prerequisites: (CRIM 2331 or 2341) and 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 4240 CR-3**Aboriginal Peoples and Justice**

Students will examine the historical and contemporary experiences of Aboriginal peoples and the justice system in Canada utilizing a decolonized perspective. They will explore systemic and institutional racism, as well as, the impacts of residential schools and the effects of colonialism on traditional values and culture. Students will learn about evolving Aboriginal legal rights and the challenges Aboriginal peoples face relating to land claims, self-government, and access to resources. They will also examine the high proportion of risk factors relating to victimization and offending. Students will gain insight and understanding of Aboriginal teachings, worldview, culturally relevant healing, crime prevention, and restorative justice, through experiential learning from an Aboriginal perspective.

Prerequisites: 45 credits of 1100 or higher including 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 4300 CR-3**Administrative and Regulatory Law**

Students will critically examine the phenomenon of public regulation in Canada. They will evaluate the range of options, apart from the criminal law, that the state may use to advance its concept of the public interest, comparing strategies and enforcement as well as implications and consequences. Students will also investigate and apply the principles of administrative law developed by courts and legislatures to provide oversight to administrative and regulatory regimes.

Note: This is a seminar course.

Prerequisites: CRIM 2341 and 6 credits of ENGL at the 1100-level or higher

Not Transferable

CRIM 4301 CR-3**Community Advocacy and Human Rights**

Students will study the national and international evolution of human rights in public attitudes, political theory and practice. They will contrast ideas about individual human rights with collective rights, diversity and equality, paying specific attention to strategies used by Canada's First Nations and women. Students will become familiar with the legal framework of human rights in Canada, including provincial and federal legislation, the constitution, case law and international law and various means of articulating and advancing human rights claims and interests.

Note: This is a seminar course.

Prerequisites: CRIM 2341 and 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 4400 CR-3**Ethics and Professional Development**

Students will analyze, critique, and apply moral and ethical reasoning in preparation for their role as practitioners in the justice field. They will examine contemporary ethical issues in justice and human service systems. Students will examine, develop, and express their own values and positions relative to ethical issues they may face as practitioners in the field. They will be active participants throughout the course, focusing on self-awareness, critical thinking, and reflection. Students will develop written, oral, reasoning, and interpersonal skills required to respond to ethically challenging situations in a competent and professional manner.

Note: This is a seminar course.

Prerequisites: 60 credits at the 1100 or higher including CRIM 1215 and 6 credits of ENGL at the 1100 level or higher

Not Transferable

CRIM 4410 CR-3**Policy and Program Evaluation**

Students will critically analyze the approaches to developing and conducting policy and program evaluations within the criminal justice system. They will examine quantitative, qualitative, and quasi-experimental methods for analyzing criminal justice initiatives, explore various goals and theories of evaluation, and learn how to interpret appropriately and communicate results. Students will analyze specific criminal justice policies and programs to illustrate possible alternative responses to social problems and the varying effects of criminal justice policies.

Note: This is a seminar course.

Prerequisites: CRIM 2341 and (CRIM 2103 or PSYC 2300 or SOCI 2365 or MATH 1115) and 6 credits of ENGL at the 1100 level or higher
Not Transferable

CRIM 4800 CR-12**Practicum in Criminology and Justice**

Students will work within a criminal justice or community organization for one semester under the supervision of the faculty practicum coordinator and an agency representative. They will further their personal and professional development, integrating knowledge and skills acquired from the degree curriculum in the context of their practical field experience. Students will complete assignments addressing theoretical and practical issues relating to their placement, as well as attend periodic seminars as a class.

Note: Students must work with the faculty practicum coordinator to obtain a mutually agreed upon placement at the beginning of the semester prior to the start of this course as it is a competitive process and a placement cannot be guaranteed.

Prerequisites: 90 credits of 1100-level or higher including CRIM 4400 and 6 credits of ENGL at the 1100 level or higher and Permission of Department Level Advisor
Not Transferable

CRIM 4900 CR-3**Special Topics**

Students will examine a selected topic in criminology, criminal justice, or law and advocacy. They will critically analyze relevant literature and develop a comprehensive understanding of the topic. Students will examine and evaluate recent developments in the specific field, assess the implications of these developments, and identify future directions of research or policy development.

Note: This is a seminar course.

Note: The area of study will be established in advance by the department. Please check with the department for proposed offerings. Students may take this course twice on different topics.

Prerequisites: 45 credits of 1100-level or higher, including (CRIM 1100 or 1101) and 6 credits of ENGL at the 1100 or higher
Not Transferable

CRIM 5000 CR-3**Honours Thesis I**

Students will carry out a detailed investigation of a criminological topic of interest. They will conduct the investigation, under the supervision of a faculty member with expertise in the area, in the form of a literature review. Students will identify and review relevant sources of information to develop a comprehensive understanding of their topic. They will submit to their Honours supervisor a final paper reviewing the literature relating to their topic and identifying potential research questions for further investigation.

NOTE: The literature review and the research issues identified in this course will be used for the completion of a research proposal in CRIM 5010 and completion of a thesis in CRIM 5020.

Prerequisites: CRIM 3104 and 4410 and acceptance into a Criminology honours program
Co-requisites: CRIM 5010 CRIM 5010
Not Transferable

CRIM 5010 CR-3**Honours Seminar**

Students will critically analyze issues relating to the conduct of research in criminology, beginning with the development of research questions through to the dissemination of research results in academic journals and at conferences. They will write a proposed research design or method of inquiry to investigate a specific research hypothesis or issue. Students will present their research proposal to their supervising committee in an open forum.

NOTE: This is a seminar-based course. The research proposal for this course is based on an examination of the literature carried out in CRIM 5000 and will be used for the subsequent completion of CRIM 5020.

Prerequisites: CRIM 3104 and CRIM 4410
Co-requisites: CRIM 5000 CRIM 5000
Not Transferable

CRIM 5020 CR-6**Honours Thesis II**

Students will carry out the original research project proposed in CRIM 5010 under the supervision of a faculty member with expertise in the area selected. They will, using appropriate methods, collect and interpret data, and write a thesis on the results of the project. Students will orally defend their thesis in an open forum.

Prerequisites: CRIM 5000 and CRIM 5010 and permission of the instructor

CRITICAL CARE NURSING (CCNG)**CCNG 5000 CR-1****Professional Issues in Critical Care Nursing**

Students will examine their current practice and explore complex concepts and issues of adult critical care nursing. They will begin to transition their nursing practice into an evidence-based critical care nursing practice. Students will develop an understanding of the scope of a critical care nurse and begin to develop a nursing framework tool to use in their practice.

Co-requisites: CCNG 5010 and CCNG 5020 or with the permission of the instructor CCNG 5010 and CCNG 5020 or with the permission of the instructor

CCNG 5010 CR-3.5

Critical Care Nursing Theory 1

Students will draw from experience and expand on their knowledge of the anatomy, physiology, pathophysiology, supporting labwork and pharmacology of the cardiovascular, hematological and immunological systems. They will integrate this knowledge to application of a nursing decision-making framework in critical care environments.

Co-requisites: CCNG 5000 and CCNG 5020 or with the permission of the instructor CCNG 5000 and CCNG 5020 or with the permission of the instructor

CCNG 5020 CR-3

Critical Care Nursing Practice 1

Students will recognize and interpret basic cardiac rhythms and dysrhythmias as well as basic 12-lead electrocardiograms. They will have practice experience in the lab to learn advanced nursing skills common to critical care settings. Students will use a simulator for practice and competency testing. They will complete two hospital clinical placements; one in a coronary care unit and the other in a critical care step-down unit.

Co-requisites: CCNG 5000 and CCNG 5010 CCNG 5000 and CCNG 5010

CCNG 5030 CR-2

Critical Care Nursing Theory 2

Students will draw from experience and expand on their knowledge of the anatomy, physiology, pathophysiology, supporting labwork and pharmacology of the pulmonary and neurological systems. They will integrate this knowledge to application of a nursing decision-making framework in critical care environments.

Prerequisites: CCNG 5010

CCNG 5040 CR-2

Critical Care Nursing Theory 3

Students will draw from experience and expand on their knowledge of the anatomy, physiology, pathophysiology, supporting labwork and pharmacology of the gastrointestinal, endocrine and renal systems. They will learn about the care of clients with sepsis, shock, multisystem organ dysfunction, trauma, burns, surgery, ineffective thermoregulation and obstetrical emergencies. Students will integrate this knowledge to application of a nursing decision-making framework in critical care environments.

*Prerequisites: CCNG 5000 and CCNG 5010 and CCNG 5020
Co-requisites: CCNG 5050 CCNG 5050*

CCNG 5050 CR-5.5

Critical Care Nursing Practice 2

Students will practice in the lab and clinical settings to consolidate advanced critical care nursing skills. They will learn Advanced Cardiac Life Support (ACLS) theory and skills to current ACLS standards. Students will use simulators and case scenarios to integrate course theory and skills into practice.

*Prerequisites: CCNG 5000 and CCNG 5010 and CCNG 5020
Co-requisites: CCNG 5040 CCNG 5040*

CULTURAL STUDIES (CUST)

CUST 1200 CR-3

Introduction to Contemporary Japanese Society and Culture

Students who have an interest in Japan, but little or no background in Japanese studies, will gain a broad overview of contemporary Japanese society and culture. They will read, watch, listen to, discuss, and write about a variety of materials introducing topics such as Japan's geography, history, customs and events, social structure, religion, family, demographics, regional cultures, minority groups and subcultures, politics, economy, sports, literature and arts.

NOTE: Students may earn credit for only one of CUST 1200 and JAPN 1200 as they are identical courses.

Transferable (refer to transfer guide)

CUST 2147 CR-3

Issues in Contemporary Art I

Students will study theoretical issues relevant to the production and reception of visual art and popular culture in the last 35 years, including debates around semiotics, modernism/postmodernism, feminism(s), postcolonialism, and the attendant politics of identities produced through structures of race, class, gender and sexual preferences/practices. Students will examine the emergence of new technologies and their use in art practices. Students will visit exhibition venues, including public museums and galleries, commercial galleries and artist run centres.

Note: This is a seminar-based course.

Prerequisites: ARTH 1120 and 1121 and FINA 1167 and ENGL 1100 or by permission of the instructor NOTE: Students may earn credit for only one of FINA 2147 and CUST 2147 as they are identical courses.

Transferable (refer to transfer guide)

CUST 3100 CR-3

Interdisciplinary Expressive Arts 1

Students will learn about the history, philosophy, and current application of interdisciplinary approaches within the expressive arts. They will develop interdisciplinary skills in creativity and academic inquiry, will become familiar with multiple expressive modalities (creative writing, music, movement, fine arts, theatre, expressive arts therapies, storytelling, photography, film making, etc.) and will explore the application of those modalities in an integrated learning environment.

NOTE: Students may earn credits for only one of CUST 3100 or IDEA 3100, as they are the same course.

Prerequisites: 30 credits of 1100-level or higher courses

CUST 3147 CR-3**Issues in Contemporary Art II**

Students will expand their knowledge of issues in the field of contemporary art. They will explore principles of critical and cultural studies that inform contemporary art praxis. Students will actively participate in this seminar-based course, which is structured around a series of required readings and facilitated discussions, supplemented by relevant slides, video and digital materials. Students will also go on local field trips to galleries, museums and artist run centres.

NOTE: Students may earn credit for only one of FINA 3147 and CUST 3147 as they are identical courses.

Prerequisites: FINA 2147/CUST 2147 or ARTH 2122 or ARTH 2222 or ANTH 2120

Transferable (refer to transfer guide)

CUST 3300 CR-3**German Culture through Film**

Students will view subtitled German films and read excerpts in translation from works of Germanic historiography, philosophy, psychology, and sociology, which highlight the key issues in the cultural history of the German-speaking countries. They will then apply critical reading, viewing, and writing strategies as they examine and evaluate the central concepts and themes used to organize Germanic cultural history, as well as the ways in which textual and visual media create, enforce, and challenge these assumptions.

NOTE: Students may earn credit for only one of CUST 3300 and GERM 3300 as they are identical courses.

Prerequisites: ENGL 1100 and (one of ENGL 1202, ENGL 1204, CRWR 1100, FINA 1121) and 3 credits from any 2000-level course or higher

Transferable (refer to transfer guide)

CUST 3310 CR-3**Japanese Culture and Business**

Students will explore the role and characteristics of business in Japan and the powerful influence of business on contemporary Japanese culture. First, they will follow the development of industry and business in Japan from the beginning of the Edo Period until the end of the Second World War. Then students will examine the remarkable recovery and development of Japan's postwar economy that culminated, in 1980s and 90s, in theories and stereotypes relating to the concept of a unique Japanese business style. Finally, students will examine changes in the Japanese economy since the bursting of Japan's "economic bubble" in the mid-1990s, and the effects of these changes on business, society and culture today. Students will read texts as well as current articles in newspapers (such as the Wall Street Journal or The Daily Yomiuri (English edition), journals and magazines (such as The Economist), and watch movies and documentaries in order to explore a broad range of topics, from the role of business in Japan's international relations to its effects on the lives of individual Japanese and their environment.

NOTE: Students may earn credits for only one of CUST 3310 and JAPN 3310 as they are identical courses. The course will be conducted in English.

Prerequisites: 30 credit of 1100-level courses or higher
Transferable (refer to transfer guide)

CUST 3320 CR-3**Japanese Culture Through Film**

Students will deepen their understanding of contemporary Japanese art and culture by viewing important post-war Japanese movies. They will focus on influential directors and characteristic genres, including but not limited to comedies, samurai epics and anime [animation]. Students will view a variety of works (in English or Japanese with English subtitles), discuss important themes and cultural references, and connect these movies to the broader Japanese culture, especially youth culture. They will observe how movies both make and question "culture" and, in turn, how culture determines the content of movies and their popular success. Students will read works by critics who examine various characteristics of Japanese culture, especially its "visual bias", evident in arts ranging from Japanese writing (Kanji) and wood-block prints (ukiyo-e) to contemporary movies, magazines, commercials, and fashion. Students will also identify the contributions of Japanese film to international "movie culture" and discuss, more generally, the importance of visual media in the post-modern, post-literate, non-rhetorical age of film, television and the Internet. Finally, they will consider how the increasing success of Japanese animation in foreign markets might contribute to Japan's cultural integration into the global community and discuss the future of post-modern technological societies.

NOTE: Students may earn credits for only one of CUST 3320 and JAPN 3320 as they are identical courses. The course will be conducted in English.

Prerequisites: 30 credits of 1100-level courses or higher
Transferable (refer to transfer guide)

CUST 3340 CR-3**The Graphic Novel as Cultural Product**

This course critically investigates the graphic novel as cultural product and practice. Students will examine the unique manner in which comics communicate and be encouraged to analyze examples rigorously in both formal and narrative terms. Students will respond by means of ongoing forum posting, short formal analytic response papers and a creative term project suiting each student's individual interests and talents.

Prerequisites: (ENGL 1100) and (one of ENGL 1202, ENGL 1204, CRWR 1100, FINA 1100, FINA 1165, FINA 1167) and (3 credits from any 2000-level course or higher)
Transferable (refer to transfer guide)

CUST 3350 CR-6**Contemporary Japanese Society and Culture: Field School**

Students will consolidate their knowledge of Japanese society and culture through living and studying in Japan. Students will interact with Japanese students and people in the communities they visit, attend lectures and visit historically and culturally significant sites. They will identify aspects of Japanese culture and society of special interest to them and undertake individually-structured research projects designed to deepen their knowledge in their areas of interest.

Note: Students must be nineteen years or older. They will spend two weeks at Kwantlen and three weeks in Japan. This course and its activities will be conducted in English.

Students may earn credits for only one of CUST 3350 or JAPN 3350 as they are cross-listed courses.

Prerequisites: 30 credits of 1100-level courses or higher, including JAPN/CUST 1200, or permission by instructor
Transferable (refer to transfer guide)

CUST 4100 CR-3

Interdisciplinary Expressive Arts 2

Students will learn to apply a diverse number of current interdisciplinary approaches within the expressive arts. They will develop the interdisciplinary skills to employ creativity across multiple expressive modalities (creative writing, music, movement, fine arts, theatre, expressive arts therapies, storytelling, mythopoeics, photography, film making, etc.) and will explore potential academic and career directions within the cultural and social services sectors.

NOTE: Students may earn credits for only one of CUST 4100 and IDEA 4100, as they are the same course.

Prerequisites: CUST 3100, IDEA 3100, or permission from the instructor

CUST 4320 CR-3

Understanding Japanese Culture through Literature

Students will deepen their understanding of the history, complexity and beauty of Japanese culture by exploring its writing systems and literature. They will closely examine, in English translation, examples from various genres, in order to better understand how the written language interrelates with other aspects of Japanese culture. They will critique theories that attempt to explain Japanese culture in relation to writing. Students will observe how Japanese literature represents the living culture of Japan at various timeperiods (but especially since the Meiji Restoration of 1868), and they will question how these representations contribute to nation-making and to forming Japanese identity.

Note: The course will be conducted in English. It isn't necessary for students to be able to speak or read Japanese, as all texts will be in English translation. Students may earn credit for only one of CUST 4320 and JAPN 4320, as they are identical courses

Prerequisites: 60 credits of 1100 courses or higher, including one of the following: JAPN/CUST 1200, JAPN/CUST 3310, JAPN/CUST 3320, JAPN 1101(or assessment by instructor), ANTH 1100, ENGL 2319, HIST 1150, LING 1300.

Transferable (refer to transfer guide)

D

DESIGN (DESN)

DESN 2000 CR-3

Academic Research and Writing for Design

Students will study and practice academic research methods, and written and oral communication skills as these apply to design studies. They will acquire a variety of research, communication, and editing skills. They will learn principles, theories, and techniques required for creating design documents, proposals, reports, and project plans. Students will develop their writing skills through assignments that focus on describing, analyzing, and discussing topics relevant to their area of design focus.

Prerequisites: 30 credits of 1100 level courses or higher
Not Transferable

DESN 2001 CR-3

Design Thinking and Methodology

Students will study the iterative process of designing. They will evaluate how current social perspectives on sustainability, ethics, and universality drive design decisions. They will define a design problem, and begin to develop a personal methodology for design.

Prerequisites: 30 credits of 1100 level courses or higher
Co-requisites: DESN 2002 DESN 2002
Not Transferable

DESN 2002 CR-3

Design Concept and Process Studio

Students will research, explore, and ideate the principles and elements involved in creating design solutions. They will test design concepts in two- and three-dimensions, documenting their discoveries in a process book.

Prerequisites: 30 credits of 1100 level courses or higher
Co-requisites: DESN 2001
Not Transferable

DESN 2003 CR-3

East Meets West – Vancouver Field School

Students will critically examine, interact with, and document the power of Vancouver's natural landscape and its effect on the unique cultural heritage of "North America's gateway to the Asia Pacific". They will explore through the region's built and natural environments the cultural, creative collision that happens when east meets west. Students will share their conceptual analysis and conclusions through social media with communities around the world.

Not Transferable

E

ECONOMICS (ECON)

ECON 1101 CR-3

Foundations of Economics

Students will study basic economic principles and economic issues facing the Canadian economy. They will analyze and discuss such issues as free trade, environmental problems, economic growth, unemployment and inflation.

Note: Students with credit for ECON 1150 or ECON 1250 may not take ECON 1101 for further credit.

Transferable (refer to transfer guide)

ECON 1110 CR-3

Making Economic Sense of Life

Students are introduced to the explanatory power of microeconomic reasoning. They learn and practice basic methods for the appropriate economic explanation of human behavior. Students will consider behaviour such as discrimination, sexual activity, divorce, traffic patterns, and military participation.

ECON 1150 CR-3**Principles of Microeconomics**

Students will learn how economists view the choices of households and firms. Topics covered include the nature and method of economics, scarcity, specialization and exchange, supply and demand analysis, elasticity, consumer behaviour, economics of the firm, perfect competition, monopoly and market failure.

Transferable (refer to transfer guide)

ECON 1250 CR-3**Principles of Macroeconomics**

Students will study macroeconomic theory at an introductory level. Topics treated include macroeconomic performance measures, economic growth, inflation, unemployment, money and banking, interest rates, exchange rates and government policy in a small, open economy like Canada.

Transferable (refer to transfer guide)

ECON 2210 CR-3**Money and Banking**

Students will examine the economics of the Canadian financial system. They will study the structure and operation of the banking system, money, financial and foreign exchange markets; theories of financial markets and financial intermediation; processes of monetary control and the regulation of the banking and the financial systems. The course also gives emphasis to monetary policy in the context of an open economy.

Prerequisites: ECON 1150 and ECON 1250

Transferable (refer to transfer guide)

ECON 2255 CR-3**Globalization in an Economic Framework**

Students will address theoretical and policy issues related to globalization. They will learn about economic implications of lowered barriers to the international flow of information, capital, labour, and goods. Students will study topics including theoretical foundations of globalization, international economic institutions, and the role of globalization in the process of economic development. Students will be introduced to the relevant models, examine the evidence and discuss various arguments that figure in the debate.

Prerequisites: ECON 1150 and ECON 1250

Transferable (refer to transfer guide)

ECON 2260 CR-3**Environmental Economics**

Students will examine the links between the economy and the environment. They will use economic principles to explain why environmental problems occur in a market economy and study how economic policy instruments can be used to deal with these problems.

Prerequisites: ECON 1150 and ECON 1250

Transferable (refer to transfer guide)

ECON 2280 CR-3**Labour Economics**

Students will use economic theory to examine the decision-making processes that underlie the supply of and the demand for labour in the Canadian economy, with emphasis on the role of labour markets in determining wages and employment levels. They will analyze relevant labour market structures, theories that predict the outcome of collective bargaining, and policies with respect to unemployment and retraining.

Prerequisites: ECON 1150 and ECON 1250

Transferable (refer to transfer guide)

ECON 2350 CR-3**Intermediate Microeconomics**

Students will study the price theory aspects of intermediate microeconomics, with a focus on consumer theory, production and cost, the firm under perfect and imperfect competition, markets for factor inputs, and general equilibrium. Students will learn to identify, analyze, and solve microeconomic problems within these topic areas.

Prerequisites: (ECON 1150 and ECON 1250) and (MATH 1120 or MATH 1130 or MATH 1140)

Transferable (refer to transfer guide)

ECON 3100 CR-3**Economics of Sustainability Policy**

Students will study current sustainability issues and policies from an economic perspective. Students will learn about the Neoclassical Growth Theory. The students will study several topics including: the values and the limitations of the alternative measures of economic welfare, policy reports and studies, and the implications of complementarity between natural and human-made capital. Students may earn credit for only one of ECON 3100 and POST 3100 as they are identical courses.

Prerequisites: ECON 1150 and 1250

Not Transferable

ECON 3150 CR-3**Managerial Economics**

Students will apply microeconomic theory and quantitative techniques to managerial decision making. They will use these tools to solve problems faced by firms. Students will examine such topics as demand analysis and estimation, production and cost analysis, pricing and output decisions within various market structures, and competitive strategies.

For graduation purposes students with credit for ECON 2350 cannot take ECON 3150 for further credit

Prerequisites: ECON 1150 and 1250 and one of the following: BUQU 1230; ACCT 1230; MATH 1115; MATH 2315; MATH 2341; PSYC 2300; CRIM 2103; SOCI 2365; or equivalent first-year statistics course

Transferable (refer to transfer guide)

ECON 3208 CR-3 (formerly ECON 2208)**History of Economic Thought**

Students will survey the ideas of the major figures in the development of economic thought from the medieval period to the present. They will examine the characteristics of the prevailing economic theories in relation to the economic conditions of the time. Students will trace the evolution of economic theory from Classical Economics, the Marxist and Historicist challenges to Classicism, and proceed through a discussion of the development of Marginalism, the Neo-classical Economics of Alfred Marshall, the criticisms of Neo-classical Economics, and the Keynesian revolution and counter-revolution.

Prerequisites: ECON 1150, ECON 1250 and 6 credits of 2000-level ECON courses
Not Transferable

ECON 3211 CR-3 (formerly ECON 2211)**Economic History of Canada**

Students will examine important issues in Canadian economic history such as the role of staples, land policy and agriculture, trade and investment policies, industrialization, banking and capital formation and regional variation in economic development. They will use basic concepts and methods of economic analysis to evaluate alternative explanations of such events.

Prerequisites: ECON 1150 and ECON 1250, and 6 credits of 2000-level ECON courses

ECON 3251 CR-3**Women and the Economy**

Students will learn how gender differences impact women in both the household and the marketplace. They will obtain an introduction to the theoretical and empirical literature and use basic microeconomic tools to study specific women's issues. Students will explore economic aspects of family formation; occupational and work choices; household versus market production; explanations of gender differences in earnings; the human capital investment theory; and how public policies affect paid work and the family.

Prerequisites: ECON 1150, ECON 1250 and 6 credits of 2000-level ECON courses
Not Transferable

ECON 3270 CR-3**Industrial Organization**

Students will examine the economics of imperfect competition. They will learn how different market structures operate, study pricing strategies and examine government policy in these market structures and in various industries. Students will analyze the theory of the firm, monopoly, monopolistic competition, oligopoly, government policies and their effects, Canadian competition policies, regulation and deregulation. They will also discuss game theory and various aspects of strategic behaviour such as price discrimination.

Prerequisites: ECON 1150 and ECON 1250 and 6 credits of 2000 level ECON courses.

ECON 3333 CR-3**Introductory Econometrics**

Students will be introduced to the techniques employed in the estimation and inference of economic modeling. They will learn the intuitive and practical application of the single-equation linear regression model and the use of statistical software.

Prerequisites: ECON 1150, ECON 1250, and (one of BUQU 1230, MATH 1115, MATH 2315, MATH 2341, PSYC 2300, CRIM 2103, SOCI 2365) and 6 credits of 2000-level ECON courses.
Not Transferable

ECON 3350 CR-3**Intermediate Microeconomics II**

Students will study advanced and applied topics in microeconomic theory. Student will learn topics that include choice under uncertainty, inter-temporal decision-making, transaction cost economics, and the game theory aspects of competitive strategy. Students, within these areas, will learn to identify, analyze, and solve problems commonly experienced in the business world.

Prerequisites: (ECON 1150 and ECON 1250 and ECON 2350) and (MATH 1120 or MATH 1130 or MATH 1140)

ECON 3362 CR-3**Natural Resource Economics**

Students will address theoretical and policy issues related to the use of natural resources. They will start with some basic concepts used for decision making over time, and will build the foundations (including biological and/or physical aspects) of the theoretical models used in the economics of renewable and non-renewable resources, in both the static and dynamic cases. Students will enrich the analysis by including the effects of market structure and regulations. They will also study the models for fisheries, forestry and mining.

Prerequisites: ECON 1150, ECON 1250, (one of BUQU 2100, MATH 1120, MATH 1130, MATH 1140), and 6 credits of 2000-level ECON courses
Not Transferable

ECON 3450 CR-3 (formerly ECON 2450)**Intermediate Macroeconomics**

Students will study intermediate macroeconomic theory and will use it to help explain long- and short-run macroeconomic performance. They will analyze economic fluctuations and growth, income and employment theories, monetary theory, theory of exchange rate determination, and interest rates. Students will also examine macroeconomic policy debates, open economy issues and recent developments in macroeconomic theory.

Prerequisites: ECON 1150, ECON 1250, (one of BUQU 2100, MATH 1120, MATH 1130, MATH 1140) and 6 credits of 2000-level ECON courses
Not Transferable

ECON 3451 CR-3**Macroeconomic Policy I**

Students will examine a modern approach to macroeconomics that builds macro models from microeconomic principles — an approach consistent with how macro research is done today. Students will use this theoretical apparatus to understand, interpret and predict the macroeconomic consequences of changes in physical environment and government policies.

Prerequisites: ECON 1150, ECON 1250 and 6 credits of 2000-level ECON courses
Not Transferable

ECON 3455 CR-3**International Economics**

Students will examine economics of international trade and finance with an emphasis on international economic policy. They will study the determinants of international trade, balance of payments, and the determination of exchange rates. Students will also analyze trade policy including tariff and non-tariff barriers, capital mobility and the political economy of protection and exchange rate policy.

Prerequisites: ECON 1150, 1250 and 6 credits of 2000-level ECON courses

Not Transferable

ECON 3555 CR-3**Economic Development**

Students will investigate sources of economic growth in developing countries and requirements of successful development. They will also examine problems of emerging countries and study models of various developing economies. Students will examine theoretical foundations and empirical evidence on economic development. They will learn about issues such as trade liberalization and poverty, trade not aid for development, child labour, migration, debt, and linkage between poverty and terrorism as they apply to the development process will also be examined.

Prerequisites: ECON 1150 and ECON 1250 and 6 credits of 2000-level ECON courses

ECON 4451 CR-3**Macroeconomic Policy II**

Students will study and analyze various macroeconomic models developed to understand the behaviour and impact of economic growth and business cycles. They will learn how these models have addressed the issues related to business cycles. Students will examine the important differences between fiscal and monetary policy as a tool to minimize business cycle fluctuations and bring about greater stabilization in economic growth. Students will use this theoretical apparatus to understand, interpret and predict the macroeconomic consequences of changes in physical environment and government policies.

Prerequisites: ECON 3451

ECON 4700 CR-3**The Economics of Crime**

Students will examine issues related to crime and punishment from an economic perspective. They will study issues that centre on the economic causes of criminal behaviour, the markets for criminally produced goods and services, the costs of crime, and the economics of public policies aimed at dealing with crime. Students will review relevant economic models of crime and punishment, examine empirical evidence, and evaluate public policies.

Prerequisites: ECON 1150, ECON 1250, (one of BUQU 2100, MATH 1120, MATH 1130, MATH 1140), (one of BUQU 1230, MATH 1115, MATH 2315, MATH, 2341, PSYC 2300, CRIM 2103 or SOCI 2365), and minimum 45 credits including 3 credits of 3000-level ECON courses

Not Transferable

ECON 4710 CR-3**Law and Economics**

Students will apply microeconomic tools and concepts to the analysis of legal institutions and legal doctrines in the area of common law (property, tort, family law and contract). They will analyze the economic consequences of common property, the assignment of property rights, various kinds of liability rules, marriage and divorce, and remedies for breach of contract. Students will analyze legal cases from law and economics perspectives.

Prerequisites: ECON 1150 and ECON 1250 and a minimum of 45 credits including 6 credits of 2000 level ECON courses

ECON 4900 CR-3**Special Topics in Economics**

Students will engage in an intensive study of a selected topic in Economics. They will examine and evaluate recent developments in the topic area, assess the implications of these developments, and identify future directions of research and/or policy development. Students will develop a research proposal, write a comprehensive report, and present the result of their research.

Note: This is a seminar-based course. The specific course content will be established by the instructor and approved by the department. Students may take this course multiple times for further credit on different topics.

Prerequisites: 60 credits including ECON 1150, ECON 1250, and a minimum of 3 credits of ECON courses at the 3000 level
Not Transferable

EDUCATION, COMMUNITY AND HEALTH SPECIALTIES (ECHS)

ECHS 1112 CR-1**Interpersonal Communications 1**

Students will examine basic principles of effective interpersonal communication. They will examine their own style of communicating, Students will demonstrate competency in areas of verbal and nonverbal communication.

ECHS 1114 CR-2**Communications for Caring Professionals**

The student will explore self-awareness, increased understanding of others and the development of effective interpersonal communication skills that can be used in a variety of care-giving contexts. They will examine their own communication choices and patterns. Students will have opportunity to develop and use communication techniques that demonstrate personal awareness, respect and active listening skills.

ECHS 1125 CR-1.5**Principles of Observation**

Students will explore the concepts and process of observation in their area of practice. They will consider the factors that influence observation, including their own values, beliefs, feelings and preconceptions. Students will focus on observation methods and the recording of observations in different settings. They will examine the ethical implications of observation in their practice.

ECHS 1130 CR-2 (formerly ECHS 1112)**Interpersonal Communications 1**

Students will examine basic principles of effective interpersonal communication. They will examine their own style of communicating. Students will demonstrate competency in areas of verbal and nonverbal communication.

Not Transferable

ECHS 1135 CR-3**Essentials to Person-Centered Practice**

Students will examine the principles of person-centered philosophy, collaborative team work and caring. They will consider the significance of community and family in their support to individuals. Students will examine the education, health, social services systems and interdisciplinary teams. They will explore roles and responsibilities and how their values, attitudes, feelings and actions impact their professionalism and their practice.

ECHS 1212 CR-1.5**Interpersonal Communications 2**

Students will examine the concepts of power and conflict in interpersonal communications. They will demonstrate effective conflict resolution strategies in a variety of contexts.

Prerequisites: ECHS 1112

ECHS 1230 CR-2 (formerly ECHS 1212)**Interpersonal Communications 2**

Students will examine the concepts of power and conflict in interpersonal communication. They will demonstrate effective conflict resolution strategies in a variety of contexts.

Prerequisites: ECHS 1130 (or ECHS 1112)

Not Transferable

EDUCATIONAL STUDIES (EDUC)**EDUC 1100 CR-3 (formerly LCOM 1100)****Introduction to Higher Education**

Students will develop an understanding of the purpose of post-secondary education and the ways in which becoming educated can enhance the quality of their lives and their communities. They will explore their place in the university through examining the history and functions of education (e.g., the exclusion of certain groups, the relation of education to living in a democratic society). Students will also begin to develop abilities necessary to maximize their education including the ability to participate in scholarly discourse, recognize connections between disciplines, understand the world, and act within it in new and creative ways through discussions, group work, special events, and service learning projects.

Note: Students may get credit for only one of UNIV 1100, UNIV 1101, LCOM 1100, LCOM 1101, LCOM 1102, LCOM 1190, EDUC 1100, EDUC 1101, EDUC 1102, EDUC 1150 or EDUC 1190.

Transferable (refer to transfer guide)

EDUC 1101 CR-3 (formerly LCOM 1101)**Academic Success for Student Athletes**

Student athletes will develop a strong understanding of the purpose and value of higher education in the context of playing a university sport. They will be introduced into a culture of academia through scholarly writing and discussion about relevant links between sport and society. Students will also identify and address key challenges to striking a balance between academic and athletic success. They will support each other in the process of self-discovery and academic learning through engaging in a scholarly community.

Note: Students may get credit for only one of UNIV 1100, UNIV 1101, LCOM 1100, LCOM 1101, LCOM 1102, LCOM 1190, EDUC 1100, EDUC 1101, EDUC 1102, EDUC 1150 or EDUC 1190.

Not Transferable

EDUC 1102 CR-3 (formerly LCOM 1102)**Introduction to Higher Education for Aboriginal Students**

Aboriginal students will explore the purpose and value of higher education, and the many ways in which becoming educated can not only enhance their own lives, but also the communities to which they belong. They will discuss the relationship between Aboriginal worldviews and traditional academia. Students will develop their abilities to engage in academic discourse through focused discussion of readings of interest to First Nations, Métis, and Inuit peoples. They will examine various academic disciplines and explore the interdisciplinary nature of a polytechnic education. Students will find their academic voices through individual and group work, and they will develop their academic reading and writing abilities with ongoing instructor feedback.

Note: Students may get credit for only one of UNIV 1100, UNIV 1101, LCOM 1100, LCOM 1101, LCOM 1102, LCOM 1190, EDUC 1100, EDUC 1101, EDUC 1102, EDUC 1150 or EDUC 1190.

Transferable (refer to transfer guide)

EDUC 1150 CR-3**Introduction to Higher Education for International Students**

Students will understand the purpose and values of higher education in a Canadian context. They will use the analysis of higher educational institutions as a basis for the cultivation of the skills, strategies, abilities, and traits that can enable academic and personal success in higher education and beyond. Students will create a service learning portfolio.

Students may take only one of: UNIV 1100, UNIV 1101, LCOM 1100, LCOM 1190, LCOM 1101, LCOM 1102, EDUC 1100, EDUC 1101, EDUC 1102, EDUC 1150, EDUC 1190 for credit.

Note: This course is intended for International students.

Transferable (refer to transfer guide)

EDUC 1190 CR-3 (formerly LCOM 1190)
Introduction to Post-Secondary Studies for High School Students

High school students will examine and evaluate the purpose and value of a university education. They will engage in the process of reconceptualizing themselves as university students through reflective and academic writing. Students will explore university culture through writing, reading, and discussion, with a focus on understanding the role of critique and debate. They will examine the value of arts, sciences, and applied disciplines in understanding complex issues. Students will examine their individual roles as global citizens, participate in a service learning project, and begin developing learning portfolios to be used throughout their post secondary experience.

Note: Students may get credit for only one of UNIV 1100, UNIV 1101, LCOM 1100, LCOM 1101, LCOM 1102, LCOM 1190, EDUC 1100, EDUC 1101, EDUC 1102, EDUC 1150 or EDUC 1190.

EDUC 2210 CR-3
Philosophical Foundations of Education

Students will be introduced to the philosophy of education via its foundational theories, methods of argumentation, and issues. They will gain an understanding of the role played by ethics, epistemology, political and legal philosophy, metaphysics, and aesthetics in pedagogical thought.

Prerequisites: 30 credits at 1100 level or higher
Transferable (refer to transfer guide)

EDUC 2220 CR-3 (formerly LCOM 2220)
Introduction to Educational Psychology

Students will develop a broad understanding of major theories and research in educational psychology, as well as their application in classroom settings. They will develop an understanding of the history and continually evolving role of psychology in the classroom, and explore theories of cognitive, social/emotional, and moral development as well as their implications for instruction and understanding motivation, learning and problem-solving, abilities and disabilities, and peer interactions in diverse, inclusive educational settings. Students will also learn how educational psychology can be utilized to develop strong student-teacher relationships and create dynamic learning environments.

Note: Students may get credit for only one of EDUC 2220 or LCOM 2220 as these are identical courses.

Prerequisites: 30 credits at 1100-level or higher
Transferable (refer to transfer guide)

EDUC 3210 CR-3 (formerly LCOM 3210)
Supportive Relations in Educational Settings

Students will develop a broad understanding of contemporary approaches to supportive relations in classroom and other educational settings (e.g., non-profit organizations) and how these approaches translate into specific skills and interventions. They will reflect on how personal beliefs, values and worldviews about what constitutes appropriate behaviour influences instructional practices and approaches to supportive relations in educational settings.

Note: Students may get credit for only one of EDUC 3210 or LCOM 3210 as these are identical courses.

Prerequisites: LCOM 2220 or EDUC 2220
Transferable (refer to transfer guide)

EDUC 3220 CR-3
Children's Social and Emotional Development in Educational Settings

Students will be introduced to major theories, research, and practice concerning children's social and emotional development in educational settings. They will gain an understanding of the role of social interactions and relationships in development and the role of educators in promoting positive interactions through film, readings, lectures, on-line discussions, and presentations.

Co-requisites: EDUC 2220 or LCOM 2220
EDUC 2220 or LCOM 2220

Transferable (refer to transfer guide)

EDUC 3230 CR-3
Curriculum Theory and Design

Students will be introduced to the complex network of concerns surrounding the creation, revision, and enactment of curricula. They will examine the curriculum as it is conceived, taught, and experienced by individual students. Students will also deal with the "hidden" curriculum of tacit assumptions and conditions. They will begin the work of creating and evaluating curricula for K-12 schools, community organizations, childhood education, and education in the workplace.

Prerequisites: 45 credits at the 1100-level or higher, including EDUC 1100 or EDUC 1101 or EDUC 1102 or EDUC 1150 or EDUC 1190

Transferable (refer to transfer guide)

EDUC 3240 CR-3
Social Justice and Diversity in Education

Students will be introduced to social justice and diversity issues in educational settings. They will examine gender equality, racial equality, religious toleration, sexual diversity, economic inequality, exceptionality and disability, and colonialism through issues-based analysis.

Prerequisites: 45 credits at the 1100-level or higher, including EDUC 1100 or EDUC 1101 or EDUC 1102 or EDUC 1150 or EDUC 1190

Transferable (refer to transfer guide)

EDUC 3250 CR-3
Assessment Practices in Education

Students will be introduced to theoretical and practical aspects of assessment in educational settings. They will develop an understanding of how learning occurs and the various ways it can be evaluated. Students will examine qualitative and quantitative assessment strategies and how and when each can be used in an effective manner. They will also interpret standardized educational assessments and gain an understanding of how assessment affects motivation and learning.

Prerequisites: EDUC 2220
Transferable (refer to transfer guide)

EDUC 3320 CR-3 (formerly LCOM 3320)**Career Counselling and Career Education**

Students will develop a broad understanding of major theories of career development and related assessments. They will explore historical and cross-cultural perspectives on the meaning of work and considerations for career development, counseling, and education with diverse populations and in diverse settings (i.e., elementary, secondary, post-secondary, and community agencies). Students will also critically examine moral and ethical issues related to this work, and they will apply theoretical concepts to their own process of career development.

Note: Students may get credit for only one of CNPS 3320, EDUC 3320 or LCOM 3320 as these are identical courses.

Prerequisites: At least 45 credits of coursework completed at the 1100-level or higher
Transferable (refer to transfer guide)

EDUC 4000 CR-3**English Language Teaching To Adults - Theory**

This program leads to the Certificate in English Language Teaching to Adults (CELTA) from the University of Cambridge Local Examinations Syndicate (UCLES)/Royal Society of Arts (RSA), which is the most widely recognized certification in the world for English language teaching. Theory and methodology applicable to English language instruction are integrated with teaching practice and tutorials to provide students with a practical training that will enable them to teach abroad or in Canada. EDUC 4000 is the methodology/theory component of this program.

Prerequisites: Permission of instructor
Co-requisites: EDUC 4001 EDUC 4001

EDUC 4001 CR-3**English Language Teaching To Adults - Practicum**

This program leads to the Certificate in English Language Training to Adults (CELTA) from the University of Cambridge Local Examinations Syndicate (UCLES)/Royal Society of Arts (RSA), which is the most widely recognized certification in the world for English language teaching. Theory and methodology applicable to English language instruction are integrated with teaching practice and tutorials to provide students with a practical training that will enable them to teach abroad or in Canada. EDUC 4001 is the teaching practicum component of this program.

Prerequisites: Permission of instructor
Co-requisites: EDUC 4000 EDUC 4000

EDUC 4100 CR-3 (formerly LCOM 4100)**Transitioning to Work, Graduate School, and Post-University Life**

Students will develop representational portfolios in the transition from university into work, graduate studies, and post-university life. They will integrate their educational experiences by tracing their intellectual journey through reflective writing and examining artifacts from their undergraduate career. Students will prepare for the job search process through developing resume writing, cover letters, job search strategies as well as simulated employment interviews. They will investigate graduate school admission, international work and educational opportunities as well as cultivating a professional disposition. Students will consider what it means to be educated in the context of leadership roles in their alumni, national, and international communities and will participate in a service-learning project.

Note: Students may get credit for only one of UNIV 4100, LCOM 4100 or EDUC 4100.

Prerequisites: 60 credits of 1100-level or higher courses

EDUC 4210 CR-3**Best Practices in Educational Settings**

Students will begin to understand themselves as prospective educators as they explore connections between theory, research, and practice in diverse educational settings (e.g., non-profit organizations, classrooms, life skills programs). They will examine issues related to instructional methods, learning, lesson planning, and assessment, and how these practices contribute to healthy learning communities. Students will analyze various instructional styles and develop their own instructional skills through classroom and homework activities, including a service learning project. They will use these experiences as a foundation to examine their own values and beliefs about education and instruction.

Prerequisites: EDUC 2220 or LCOM 2220
Transferable (refer to transfer guide)

EDUC 4220 CR-3**The Self In Education and Counselling**

Students will develop an understanding of the influence of historical, social, and cultural contexts on conceptions of self and personhood. They will investigate conceptions and practices of the self through the lens of critical history, and the development of selfhood, identity, and agency through enculturation. Students will critically examine theoretical and empirical programs of inquiry regarding the self, and the impact of these programs on educational and counselling practice.

Prerequisites: 60 credits including EDUC 2220 at the 1100-level or higher
Transferable (refer to transfer guide)

ELECTRICAL (ELEC)**ELEC 1100 CR-2****Basic Skills**

Students will study effective learning and job search techniques. They will problem-solve using mathematics and apply science concepts appropriate to the electrical trade.

ELEC 1110 CR-1

Workplace Safety

Students will be exposed to and learn the application of safe work practices, WorkSafe BC Standards and Regulations, lockout and confined space procedures. They will learn practical components of rigging, scaffolding, and ladders. Students will also receive certificates in Workplace Hazardous Materials Information System (WHMIS), Powder Actuated Tools, and Basic First Aid.

ELEC 1120 CR-5

Basic Electrical Theory

Students will be introduced to the nature and principles of electricity, the operation of electrical devices and the operation of testing / metering equipment. They will focus on the analysis and problem solving of Direct Current (DC) circuits. Students will learn the basic principles of magnetism.

ELEC 1130 CR-1

Code and Blueprint Reading

Students will be introduced to the history and importance of the Canadian Electrical Code (CEC). They will learn the CEC and other related regulatory standards. Students will be introduced to the use of construction drawings, manufacturer's specifications, and job and material planning.

ELEC 1140 CR-1

Electrical Controls

Students will learn the basics of simple motor controls circuits. They will cover the means of monitoring the processes being controlled. Students will learn the safety procedures and operating principles of manual and magnetic motor starters and control circuits.

ELEC 1150 CR-10

Installation of Low-Voltage Distribution Systems

Students will use shop projects and hands-on activities to reinforce electrical theory and electrical code knowledge. They will receive practical training for the job-site. Students will learn the importance of workplace safety.

ENGLISH (ENGL)

ENGL 1100 CR-3

Introduction to University Writing

Students will learn to apply principles of rhetoric and critical analysis in response to selected readings, which will include examples of scholarly writing and academic argument. They will develop their writing skills through exploratory writing, academic argument, and critical analyses of material from a variety of contexts.

Note: Transferable and qualifies for "W" status at SFU

Prerequisites: English 12 (B) or English 12 First Peoples (B) or ENGQ 1099 or ABEE 0091 or ENGP 1091 or ABEE 0092 or ABEE 0097 or ENGP 1097 or successful placement in ENGL 1100 by Kwantlen English Placement Test or an LPI Essay score of 30 – Level 5 or IELTS 6.5 with no band less than 6.0 or iBT 86 with minimum writing subscore 24 or PBT 570 with TWE 5.5 or ELST 0381 (B) & ELST 0383 (B) or ELST 0381 (B) & KIST score of 50 or higher
Transferable (refer to transfer guide)

ENGL 1202 CR-3

Reading and Writing about Selected Topics: An Introduction to Literature

Students will engage in writing-intensive activities as they analyze a topic or theme in selected literary texts. They will apply skills of literary analysis to literature through close reading, informed discussion, and formal writing.

Prerequisites: ENGL 1100

Transferable (refer to transfer guide)

ENGL 1204 CR-3

Reading and Writing about Genre: An Introduction to Literature

Students will engage in writing-intensive activities as they analyze the conventions of poetry, drama, and fiction in selected literary texts. They will apply skills of literary analysis to literature through close reading, informed discussion, and formal writing.

Prerequisites: ENGL 1100 or ENGL 1110

Transferable (refer to transfer guide)

ENGL 2300 CR-3

Advanced Writing and Research

Students will study and practice the principles of effective argumentative writing. They will acquire a variety of research and editing skills, and will explore the ways that style, logic, and evidence influence audience response.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course

Transferable (refer to transfer guide)

ENGL 2301 CR-3

Canadian Literature in English

Students will study representative Canadian literature drawn primarily from the nineteenth to the twenty-first centuries from a variety of genres. They will focus on major figures and themes in Canadian literature and will respond to these works through discussion and written assignments.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course

Transferable (refer to transfer guide)

ENGL 2309 CR-3

Literature of the United States of America

Students will study representative American literature drawn primarily from the nineteenth and twentieth centuries from a variety of genres. They will focus on major figures and themes in American literature and will respond to these works through discussion and written assignments.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course

Transferable (refer to transfer guide)

ENGL 2315 CR-3

The Comic Voice

Students will study representative works of literature that demonstrate the scope and depth of the comic voice. They will focus on the theory, conventions, and practice of comedy. Students will respond to these works through discussion and written assignments.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course

Transferable (refer to transfer guide)

ENGL 2316 CR-3**English Literature: 14th to 18th Centuries**

Students will study representative works of English literature from the 14th to the 18th centuries as literature within social, cultural, and historical contexts. They will respond to these works through written and oral work.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course Transferable (refer to transfer guide)

ENGL 2317 CR-3**English Literature: 18th to 20th Centuries**

Students will study representative works of English literature from the 18th to 20th centuries as literature within social, cultural, and historical contexts. They will respond to these works through written and oral work.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course Transferable (refer to transfer guide)

ENGL 2319 CR-3**The Novel in English: Its Development**

Students will study works representing the development of the novel from the eighteenth to the early twentieth century. They will focus on the styles and themes of representative novelists. Students will respond to these works through discussion and written assignments.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course Transferable (refer to transfer guide)

ENGL 2320 CR-3**Studies in Poetry**

Students will study the relationship between form and meaning, and between sound and sense in a variety of poems. They will study the traditions, conventions, and elements of different poetic forms drawn from different times and socio-cultural contexts.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course Transferable (refer to transfer guide)

ENGL 2330 CR-3**Studies in Drama**

Students will study drama drawn from different times and different socio-cultural contexts. They will study plays from a wide variety of dramatic genres such as tragedy, romance, history, comedy, theatre of the absurd, realism, naturalism, and postmodernism.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course. Transferable (refer to transfer guide)

ENGL 2340 CR-3**Studies in Fiction**

Students will study various fictional forms. They will study works from a wide variety of genres such as romance, realism, science fiction or fantasy, the mystery or gothic novel, the modern, postmodern, or cyberpunk novel, drawn from different times and different socio-cultural contexts.

Prerequisites: ENGL 1100 , and one 1200-level ENGL course. Transferable (refer to transfer guide)

ENGL 2350 CR-3**Critical Studies in Film**

Students will study select films in English from the silent era to the present day, paying particular attention to the formal elements of film as a narrative art form, and to the relation of film to other art forms, including literature. They will focus on representative films from different historical periods and genres and will respond to these films through discussion and written assignments.

Prerequisites: ENGL 1100, and one 1200-level ENGL course Transferable (refer to transfer guide)

ENGL 3300 CR-3**Critical Theory**

Students will examine selected topics in critical theory. They will consider critical theory as a socially engaged mode of inquiry. Students will develop critical thinking and writing skills through discussions and essay assignments.

Prerequisites: 6 credits of 2000-level ENGL Transferable (refer to transfer guide)

ENGL 3301 CR-3**19th-Century Canadian Literature in English**

Students will study Canadian literature in English from the nineteenth century. They will focus on work by aboriginal peoples, explorers, sojourners, early settlers, and writers of the Confederation period. Students will study the changes and developments in the literature and respond to works through discussion and written assignments. They will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL Transferable (refer to transfer guide)

ENGL 3302 CR-3**Canadian Prose in English from 1900**

Students will study the changes and developments in Canadian prose in English from 1900 to the present and write critical essays about the prose. They will respond to the texts through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL Transferable (refer to transfer guide)

ENGL 3303 CR-3**Canadian Poetry in English from 1880 to the Present**

Students will study the changes and developments in Canadian poetry in English from 1880 to the present and write critical essays about the poetry. They will focus on texts starting with the pre-modernist poetry of the end of the nineteenth century and study the changes and developments in poetry up to the present. They will respond to the works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL Transferable (refer to transfer guide)

ENGL 3304 CR-3**Canadian Drama in English**

Students will study Canadian drama in English written primarily after 1967. They will examine the relationship between form and content in a selection of dramatic works from different decades, regions, and cultures. Students will respond critically to these plays through discussion, written assignments, and at least one research paper that incorporates critical source material. They will undertake informal or formal stagings of portions of these dramatic works, and/or performance analysis, as appropriate.

Prerequisites: 6 credits of 2000-level ENGL

Not Transferable

ENGL 3306 CR-3**Literature of the United States: Beginnings to 1865**

Students will study the literature of the United States in English from beginnings to 1865. They will focus on themes and issues related to the developing nation and to the forging of a national literature. Students will study several different types of expression, chosen from among the following genres: explorers' accounts, histories and autobiographies, sermons, pamphlets and treatises, letters and addresses, essays, novels, stories, and poems. They will respond to these works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3307 CR-3**Literature of the United States: 1865 to 1910**

Students will study American Literature in English of the period 1865 to 1910, and they will write critical essays about the literature. Students will study the literature in the context of important social phenomena such as the Civil War, industrialization and urbanization, and social radicalism. Students will study texts from a variety of genres. They will respond to these works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3308 CR-3**Literature of the United States: 1910 to 1945**

Students will study American Literature in English of the period 1910 to 1945, and they will write critical essays about the literature. They will study Modernism as an international movement in conflict with American literary traditions. They will also study the Harlem Renaissance, women writers of the interwar period, and developments in drama. Students will study representative works from a variety of genres and will respond to them through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3309 CR-3**Literature of the United States: 1945 to the Present**

Students will study representative literary works from a variety of genres written in English in the United States from 1945 to the present. Topics of study will include the impact of the Civil Rights and Women's movements upon both the production and reception of literature, post-modernism as a literary and cultural phenomenon, the relationship of literature to other contemporary art forms such as film, music, and the fine arts, and the influence of multiculturalism upon contemporary American society and literary culture. Students will write at least one research paper that integrates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3310 CR-3**Literature in Translation**

Students will study literary works in translation. They will focus on literature from one or more non-anglophone cultural/literary tradition(s) such as European, African, Latin American or Asian. Students will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3313 CR-3**Reading Canonical Writers**

Students will study literature written by one or two authors considered part of the canon of literature in English. They will explore issues related to the definition and construction of the canon. Students will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3315 CR-3**Studies in Chaucer**

Students will study literary works of Geoffrey Chaucer. They will focus on Troilus and Criseyde, The Canterbury Tales, and selections from shorter works. They will consider these works in their historical, cultural, and literary contexts such as social class, gender, the church, the tradition of courtly love, and sex. Students will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3316 CR-3**History of the English Language**

Students will study the evolution of the English language from its origins in the dialects established in England in the seventh century to the present national and regional variations of the language. They will focus on the linguistic, historical, and social factors that have influenced the development of the language. Students will respond to the study of this evolution through discussion and written assignments. They will write at least one research paper that incorporates critical source material.

Prerequisites: 3 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3317 CR-3**Readings in the History of Ideas**

Students will study influential texts that have helped shape Western culture, imagination, and intellectual history. They will read texts drawn from philosophical, political, scientific, religious, and literary discourses. Students will respond to these works through discussion and written assignments and will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3320 CR-3**Studies in Shakespeare**

Students will study literary works written by Shakespeare. They will study plays and may study poems representative of a range of Shakespeare's work, which may include histories, comedies, tragedies, romances, and nondramatic verse. Students will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3321 CR-3**English Renaissance Drama, Excluding Shakespeare**

Students will study a variety of dramatic works, which may include plays, masques, processions and closet dramas, from the period beginning in the 1570s and ending with the closing of the theatres in 1642. They will examine such work as Beaumont, Fletcher, Jonson, Marlowe, Marston, Middleton, Webster and Ford. Students will respond to these works through discussion, analytical staging and performance, and written assignments, and will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Not Transferable*

ENGL 3323 CR-3**Seventeenth-Century British Literature**

Students will study literary works of the earlier seventeenth century, 1590 to 1649. They will focus on major works of prose and verse, both dramatic and non-dramatic. They will respond to these works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3325 CR-3**Eighteenth-Century British Literature**

Students will study British literature of the "long" eighteenth century (1688-1815). They will focus on selected poetry, fiction, drama, and non-fiction. They will respond to these works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3328 CR-3**Romantic Poetry and Poetics**

Students will study poetry and poetic theory from the British Romantic Period. They will respond to these works through discussion and written assignments. Students will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3330 CR-3**Children's Literature**

Students will study traditional and contemporary literature written for children and young adults. They will apply relevant critical and theoretical perspectives to this literature. Students will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3332 CR-3**Victorian Poetry and Non-Fiction**

Students will study poetry and non-fiction in English from the British Victorian period. They will respond to these works through discussion and written assignments. Students will write at least one research paper.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3336 CR-3**The Victorian Novel, 1837-1900**

Students will study three or more major Victorian novels and will acquire knowledge of the formal features, thematic preoccupations, and cultural contexts of Victorian fiction. They will respond to the readings through discussion and written assignments, and will compose at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3340 CR-3**Cross-Cultural World Literature**

Students will study works of world literature drawn mainly from the twentieth and twenty-first centuries. They will explore critical concepts and issues that arise in cross-cultural fields of study identified as "World Literature," "Postcolonial Literature," and "Transcultural Literature." Students will respond to the literature from various parts of the world through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3345 CR-3**Diasporic Literatures**

Students will study literary works in English or in translation concerned with problems faced by displaced, minority, and diasporic communities. They will focus on literature from various parts of the world written in various genres and periods. Students will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

*Prerequisites: 6 credits of 2000-level ENGL
Transferable (refer to transfer guide)*

ENGL 3350 CR-3**Literature and Film**

Students will study the relationship between literature and film with an emphasis on the theory and practice of cinematic adaptation. They will focus on films and literary works drawn from a variety of genres, periods, and cultures, responding to these works through discussion and written assignments, including at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-Level ENGL

Transferable (refer to transfer guide)

ENGL 3351 CR-3**Studies in Modernism**

Students will study literary works by Modernist writers in English. Students will focus on literature that reflects the political, moral, philosophical, and psychological concerns of the first half of the twentieth century. They will consider the aesthetic innovations that emerged in response to the complexities of the modern period. Students will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3352 CR-3**The British Novel, 1900-1945**

Students will study the development of the modern British novel from 1900 to 1945. They will examine the ways British Modernism departed from previously held ideas about fiction. They will respond to the readings through discussion and written assignments. Students will write at least one research paper.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3355 CR-3**Modern and Contemporary Drama**

Students will study works written for dramatic performance from the modern period to the present. They will focus primarily on works written for the theatre, and students may also examine scripts written for film, television, and radio. They will respond to these works through discussion and written assignments. Students will write at least one research paper.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3356 CR-3**Modern and Contemporary Poetry**

Students will study representative poems by modern and contemporary poets writing in English. They will critically analyze these poems in relevant social, literary-historical and cultural contexts, and within the context of important developments in modern and contemporary poetic theory. They will write at least one advanced level research paper using both primary and secondary sources.

Prerequisites: 6 credits of 2000-level ENGL

Not Transferable

ENGL 3358 CR-3**British Fiction since 1945**

Students will study British fiction since 1945. They will study literature in its socio-historical context with respect to issues such as class, gender, individual and communal identities, and changing demographics. Students will respond to these works through discussion and written assignments, and they will write at least one research paper that incorporates critical source material.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3360 CR-3**Writing Women/Women Writing**

Students will study literature by and about women. They will examine issues central to women's identities, creativity, and lived experiences. Students will apply critical methods of literary analysis in written and oral responses to the literature, and will write at least one research paper that incorporates scholarly source material.

Prerequisites: 6 Credits of 2000-Level ENGL

Transferable (refer to transfer guide)

ENGL 3370 CR-3**Life-Writing**

Students will study various kinds of life-writing: autobiography, biography, memoirs, reflections, journals, and letters, drawn from different times and socio-cultural contexts. They will respond to these works through discussion and written assignments, including at least one major research paper that incorporates critical source material.

Prerequisites: 3 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3380 CR-3**Popular Writing**

Students will study works drawn from a variety of categories of popular writing. They will analyze the readings as literature, as entertainment, and/or as social criticism. Students will examine how the literature reinforces or challenges ideology, genre, and cultural, social and aesthetic values. They will respond to these works through discussion and written assignments, and will write at least one research paper that incorporates critical source material.

Prerequisites: 3 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 3390 CR-3**Indigenous Narratives, Oral and Written**

Students will study Indigenous narratives rendered in or translated into English, drawn from various socio-cultural and historical contexts. They will consider the impact of writing cultures on oral cultures through the critical exploration of scholarly materials produced by both Indigenous scholars and conventional scholars, and examine scholarly perspectives in relation to primary texts.

Prerequisites: 6 credits of 2000-level ENGL

Transferable (refer to transfer guide)

ENGL 4300 CR-3**Writing and Persuasion Beyond the Classroom**

Students will study theories of writing and rhetoric, and applications of writing in various community and cultural contexts. Students will also gain practical experience through a minimum of twelve hours of volunteer (non-paid practicum) writing or editing service in a community organization such as a business or non-profit or government agency. Students will complete a portfolio of their writings for this course, and will write a final paper that integrates writing theory and practice.

Prerequisites: 60 credits, including 3 credits of 3000-level ENGL Not Transferable

ENGL 4350 CR-3**Topics in Film Studies**

Students will study select topics in film as chosen by the instructor. They will write at least one documented essay requiring the use of both primary and secondary materials. In addition to attending class regularly, students may be required to attend scheduled film screenings outside of regular class time.

Notes: As the topic for this course will vary from semester to semester, students may take this course more than once, provided they have received the permission of the instructor and the department chair. Students are expected to have some knowledge of the critical language of film studies. If they do not, they should consult with the instructor before registering for this course.

Prerequisites: 3 credits of 3000-level ENGL Transferable (refer to transfer guide)

ENGL 4400 CR-3**English Studies and the Classroom**

Students will study theory and practice related to education, literacy studies, and English in the classroom. They will do a 12-hour volunteer practicum in an educational setting, and complete a major project that integrates reflection, theory and practice. Students will produce a portfolio of written work in different genres

Prerequisites: 3 credits of 3000-level ENGL Transferable (refer to transfer guide)

ENGL 4401 CR-3**Topics in Canadian Literature**

Students will study a topic (or topics) in Canadian literature in one or more genres as chosen by the instructor. They will trace this topic through several texts, discussing it in the broader context of Canadian literature and culture and considering it from various theoretical perspectives. In addition to continuing to develop their own ability to analyze, discuss, and write about individual texts, students will also read relevant literary criticism and will write at least one research paper that incorporates critical source material.

Notes: The specific topic for this course will be available on the English department website when the course is being offered. Students may take this course more than once, provided that both the instructor and the topic are different.

Prerequisites: 3 credits of 3000-level ENGL Transferable (refer to transfer guide)

ENGL 4409 CR-3**Topics in Literature of the United States**

Students will study topics related to the literature of the United States, which may include the pre-national period. Students will analyze primary works, which may be drawn from various genres (e.g. poetry, fiction, drama, sermons, personal essays, aboriginal writing, life writing). They will read recent scholarship of primary works, as well as literary and cultural theory relevant to the selected topic. This may include a consideration of the relationship between the political categories of race, gender, and class and the themes, characters, events, and language of the works studied, as well as newer approaches such as transnational approaches to American literature. Students will engage with the topics through integrative study of materials that contextualize the primary literature, in-class presentations, discussion, and written assignments. They will write at least one research essay that incorporates current critical responses to the literature under consideration.

Prerequisites: 3 credits of 3000-level ENGL Transferable (refer to transfer guide)

ENGL 4700 CR-3**Special Topics in Literature**

Students will study special topics in literature selected by instructors, and will focus on primary texts, critical writing by the authors, and readings in literary and cultural theory relevant to the topic. They will analyze the topics through in-class presentations, discussion, and written assignments, and will write at least one research essay that incorporates current critical responses to the literature under consideration.

Prerequisites: 3 credits of 3000-level ENGL Transferable (refer to transfer guide)

ENGLISH LANGUAGE STUDIES (ELST)

ELST 0041 CR-6**English for Academic Purposes - Foundations Level**

Students at the lower-intermediate level will learn and practise academic reading, writing and study skills.

Prerequisites: ELSQ 0031 with B- or [(Accuplacer 78 or TOEFL iBT 32 or cb-TOEFL 97 or TOEFL 400)]and (Kwantlen ESL Writing Band 3 or TOEFL iBT writing sub-score 12 or TWE 2)]or IELTS 4.5 with no sub-score less than 4.0 Not Transferable

ELST 0043 CR-6**Foundation Level - Listening and Speaking**

Students at the intermediate level will learn and practice listening and speaking skills in preparation for further studies in English.

Prerequisites: ELSQ 0033 with B- or [KIST 25 and (Accuplacer 68 or Cb-TOEFL 97 or TOEFL 400)]or TOEFL iBT 32 with listening sub-score 6 and speaking sub-score 6or IELTS 4.5 with 4.5 in listening/speaking and no sub-score less than 4.0 in any other skills Not Transferable

ELST 0061 CR-3**Intermediate Pronunciation**

Students at the intermediate and upper-intermediate levels will work on improving the overall clarity of their speech. They will practice identifying, producing, and predicting English sounds patterns accurately.

Prerequisites: ELST 0033 with B- or Accuplacer 78 or TOEFL iBT 32 or Cb-TOEFL 97 or TOEFL 400 or IELTS 4.5 with no sub-score less than 4.0

ELST 0063 CR-3**Intercultural Awareness and Communication**

Students will develop an awareness of Canadian culture and the English language while living in a homestay placement. They will learn and practice effective communication skills to enhance intercultural awareness within the homestay environment.

Note: Students must be placed in an approved Kwantlen English-speaking homestay for the duration of the course.

Prerequisites: ELST 0031 with B- or (Accuplacer 78 and KIST 25) or TOEFL iBT 32 or cb-TOEFL 97 or TOEFL 400 or IELTS 4.5 with no sub-score less than 4.0

ELST 0064 CR-3**An Introduction to Canada**

Students at the upper-intermediate level will practice listening, speaking, reading, and writing skills by using fiction and non-fiction material about Canada.

Prerequisites: ELST 0031 with B- or [(Accuplacer 78 or TOEFL iBT 32 or cb-TOEFL 97 or TOEFL 400) and (Kwantlen ESL Writing Band 3 or TWE 2)] or IELTS 4.5 with no sub-score less than 4.

ELST 0137 CR-3**Canadian Language and Culture**

Students at the intermediate level will learn about topics such as Canadian culture (i.e., holidays, special events, and social etiquette), communication skills for daily living (e.g., common expressions), and contemporary issues (e.g., immigration and the environment). They will explore key historical events, famous Canadians, the diversity of Canadian cultures, and citizenry. Students will develop both language and communication skills through discussions and projects.

Note: Students may not earn credits for both ELST 0064 and ELST 0137

Prerequisites: ELST 0031 with B- or [Accuplacer 78 or TOEFL iBT 32 or cb-TOEFL 97 or TOEFL 400] and [(Kwantlen ESL Writing band 3 or TWE 2) and KIST score of 25] or IELTS 4.5 with a minimum sub-score of 4.0.

ELST 0160 CR-3**Trades English 1**

Students will develop their vocabulary and English communication skills while gaining proficiency with fundamental language related to tools, machines, and technical processes in preparation for entry-level trades training.

Prerequisites: EITHER 1: ELST 0041 with B- or [(Accuplacer 88 or cb- TOEFL 133 or TOEFL 450) and (Kwantlen ESL Writing Band 4 or TWE 3)] AND ELST 0043 with B- or KIST 30 or [TSE 30 and (cb-TOEFL Scaled Listening Score 11 or TOEFL Scaled Listening Score 46)] OR 2: TOEFL iBT 45 with no sub-score less than 11

ELST 0162 CR-3**Grammar 1**

Students will study the meaning, form and use of grammar at the intermediate level. They will also develop strategies to identify and correct common grammar and usage errors.

Prerequisites: (ELST 0041 with B- and 0043 with B-) or [Accuplacer 88 or TOEFL iBT 45 or cb-TOEFL 450) and (Kwantlen ESL Writing Band 4 or TOEFL iBT writing sub-score 15 or TWE 3)] or IELTS 5.0 with no sub-score less than 4.5

ELST 0167 CR-6**English for Special Purposes**

Students at the intermediate level will learn and practice reading and writing skills that use formats and themes appropriate to selected career paths.

Prerequisites: Accuplacer 88 AND Kwantlen ESL Writing Band 4

ELST 0181 CR-6**English for Academic Purposes - Level 1**

Students at the upper-intermediate level will learn and practice academic reading, writing, and study skills.

Prerequisites: ELST 0041 with a B- or KPU ELST Placement into ELST 0181 or TOEFL iBT 45 with no sub-score less than 15 or IELTS 5.0 with 5.0 in Reading/Writing and no sub-score less than 4.5.

Not Transferable

ELST 0183 CR-6**Academic Listening and Speaking Skills - Level 1**

Students at the upper-intermediate level will learn and practice listening and speaking skills in preparation for further studies in English.

Prerequisites: ELST 0043 with B- or (Accuplacer 78 and KIST 30) or [KIST 30 and (TOEFL iBT 45 or cb-TOEFL 97 or TOEFL 400)] or TOEFL iBT 45 with listening sub-score 11 and speaking sub-score 11 or IELTS 5 with 5 in listening/speaking and no sub-score less than 4.5 in any other skills

ELST 0256 CR-3**TOEFL iBT- Test Preparation**

Students with TOEFL experience and students without TOEFL experience will learn the skills necessary for the TOEFL iBT (Test of English as a Foreign Language- Internet-based Test). They will practice both the independent task portions of the test and the integrated skills portions of the test. Students will also review grammar, vocabulary, and note taking.

Prerequisites: [ELST 0181 with a B- AND (ELST 0183 with a B- or ELST 0173 with a B-)] or TOEFL iBT 61 or [(Accuplacer 98 or cbTOEFL 173) AND (TSE 35 or SPEAK 35 or IELTS Speaking Band 5 or KIST 35)] or English 12 with a C

ELST 0257 CR-3**IELTS - Test Preparation**

Students will study materials and test-taking strategies to prepare them for the International English Language Test (IELTS). They will concentrate on the Academic Mode version of the listening, speaking, writing, reading, grammar, vocabulary, and note-taking skills specific to the exam. Students will take practice IELTS tests and perform filmed practice interviews.

Prerequisites: [ELST 0181 with B- AND (ELST 0183 with B- or ELST 0173 with B-)] or TOEFL iBT 61 or [(Accuplacer 98 or cbTOEFL 173) AND (TSE 35 or SPEAK 35 or IELTS Speaking Band 5 or KIST 35)] or English 12 with C. Note: This course can be taken in conjunction with ELST 0256 TOEFL iBT test preparation (3.0 credits), and ELST 0258 TOEFL iBT (3.0 credits)

ELST 0258 CR-3**TOEFL iBT- Integrated Skills Practice**

Students with previous TOEFL experience will focus on the more demanding integrated-skills portions of the TOEFL iBT (Test of English as a Foreign Language- Internet-based Test) in order to improve test results. They will learn how to integrate information taken from related listening and reading materials in order to complete writing and speaking tasks. Students will also review selected independent skill areas such as taking notes, recognizing tone, and selecting and using patterns of organization.

Prerequisites: TOEFL iBT 61 or [cbTOEFL 173 AND (ELST 0183 with a B-, or ELST 0173 with a B-, or TSE 35, or SPEAK 35, or IELTS Speaking Band 5, or KIST 35)].

ELST 0260 CR-3**Trades English 2**

Students will develop their English communication skills for entry into Appliance Servicing, Automotive-Industrial Trim, Automotive Parts and Light Warehousing, Automotive Service Technician, Millwright/Industrial Mechanic, Outdoor Power Equipment Technician, or Welding.

Prerequisites: EITHER 1: ELST 0160 with B- or ELST 0181 with a B- or [(Accuplacer 98 or cb-TOEFL 173 or TOEFL 500) and (Kwantlen ESL Writing Band 5 or TWE 4)] AND ELST 0183 with a B- or KIST 35 or [TSE 35 and (cb- TOEFL Scaled Listening 16 or TOEFL Scaled Listening 50 or IELTS Listening Band 5)]. OR 2: TOEFL iBT 61 with no sub-score less than 15

ELST 0261 CR-3**Advanced Pronunciation**

Students at the lower and upper-advanced level will learn and practice skills needed to improve speech clarity.

Prerequisites: ELST 0183 with a B- or (ELST 0061 with C and ELST 0183 with C) or KIST 35 or TSE 35 or IELTS Speaking Band 5 or SPEAK 35

ELST 0262 CR-3**Grammar II**

Students will learn how to identify and correct common grammatical and stylistic errors made by English as a Second Language learners. They will also develop strategies to expand their knowledge of idiomatic usage.

Prerequisites: ELST 0181 with B- or [Accuplacer 98 and (Kwantlen ESL Writing Band 5 or TWE 4)] or TOEFL iBT 61 with writing sub-score 18 or [cb-TOEFL 173 and (Kwantlen ESL Writing Band 5 or TWE 4)] or [TOEFL 500 and (Kwantlen ESL Writing Band 5 or TWE 4)] or ABEE 0060 or (ABER 0065 and ABEW 0064) or ENGP 1060 or PSPE 1060

ELST 0267 CR-3**Writing for Business Concepts - Level 2**

Students will develop writing skills to a lower-advanced level of competence in business English. They will write a range of business communications in order to expand their knowledge of business English, idioms, and vocabulary. Students will improve written accuracy in order to produce effective and credible business communications.

Prerequisites: ELST 0181 with B- or [(Accuplacer 98 or TOEFL iBT 61 or cb-TOEFL 173 or TOEFL 500) and (Kwantlen ESL Writing Band 5 or TWE 4)] or TOEFL iBT 61 with writing sub-score 18

ELST 0273 CR-3**Listening and Speaking Skills for Business - Level 2**

Students will develop listening and speaking skills to a lower-advanced level of competence in business English in order to succeed in university business courses as well as in business settings.

Prerequisites: ELST 0183 with a B- or (Accuplacer 88 and KIST 35) or TOEFL iBT 61 with listening sub-score 15 and speaking sub-score 15 or [(TSE 35 or SPEAK 35) and (cb-TOEFL Listening Scaled Score 16 or TOEFL Listening Scaled Score 50)] or IELTS 5.5 with no sub-score less than 5.0

ELST 0281 CR-6**English for Academic Purposes - Level 2**

Students at the lower-advanced level will learn and practise academic reading, writing, and study skills.

Prerequisites: ELST 0181 with a B- or KPU ELST Placement into ELST 0281 or TOEFL iBT 61 with sub-scores no less than 18 or IELTS 5.5 (Reading and Writing sub-scores min. 5.5) with no sub-score less than 5.0.

Not Transferable

ELST 0283 CR-3**Academic Listening and Speaking Skills - Level 2**

Students at the lower-advanced level will learn and practice listening and speaking skills in preparation for further studies in English.

Prerequisites: ELST 0183 with a B- or (Accuplacer 88 and KIST 35) or TOEFL iBT 61 with listening sub-score 15 and speaking sub-score 15 or IELTS 5.5 with 5.5 in listening/speaking with no sub-score less than 5.0 in any other skills

ELST 0365 CR-3**English Language and Culture**

Students will learn about key events and ideas that have influenced English speaking cultures and the English language so they will understand some of the cultural references encountered in their academic studies. They will develop vocabulary and appropriate usage while learning some of the cultural content covered in the British Columbia curriculum for grades eight through twelve. Through lecture, readings in various genres, film and music, students will study topics such as the influence of the Greeks and Romans.

Prerequisites: ELST 0281 with C+ or [Accuplacer 108 and (Kwantlen ESL Writing Band 6 or TWE 4.5)] or [TOEFL iBT 79 or cb-TOEFL 213 or TOEFL 550) and (Kwantlen ESL Writing Band 6 or TWE 4.5 or TOEFL iBT writing sub-score 17)] or IELTS 6.0

ELST 0367 CR-3**Writing for Business Concepts - Level 3**

Students will learn to write clearly and effectively for business communications. Students will write business letters, faxes, reports, and email messages using contemporary language and idioms. Through group discussions and interactive tasks, students will analyze business texts and situations in order to develop skills for future career success.

Prerequisites: ELST 0281 with B- or [Accuplacer 108 and (Kwantlen ESL Writing Band 6 or TWE 4.5)] or [ib-TOEFL min. 79 and (Kwantlen ESL Writing Band 6 or TWE 4.5)] or [pb-TOEFL min. 550 and (Kwantlen ESL Writing Band 6 or TWE 4.5)] or (KIST 40 or Accuplacer 108)

ELST 0381 CR-6

English for Academic Purposes - Level 3

Students at the advanced level will develop and practice academic reading, writing and study skills.

Prerequisites: ELST 0281 with B- or KPU ELST Placement into ELST 0381 or TOEFL iBT 79 with writing sub-score 21 or IELTS 6.0 (with 6 in reading/writing) and no sub-score less than 5.5.

Not Transferable

ELST 0383 CR-3

Academic Listening and Speaking Skills - Level 3

Students at the advanced level will practice listening and speaking skills in preparation for further academic studies.

Prerequisites: ELST 0283 with B- or (Accuplacer 98 and KIST 40) or TOEFL iBT 79 with TOEFL iBT listening sub-score 19 and TOEFL iBT speaking sub-score 19 or IELTS 6.0 with 6.0 with 6.0 in listening/speaking and with no sub-score less than 5.5 in any other skills

ENGLISH LANGUAGE STUDIES QUALIFYING (ELSQ)

ELSQ 0015 CR-6

Basic English Communication

Students with very limited English will, in this combined-skills course, develop their speaking, listening, reading, and writing skills in a classroom environment.

*Prerequisites: KPU ELST placement into ELSQ 0015
Transferable (refer to transfer guide)*

ELSQ 0021 CR-6 (formerly ELST 0021)

Introductory Reading and Writing

Students will learn and practise introductory reading and writing. They will focus primarily on upper beginner functional English for university studies.

Prerequisites: ELSQ 0015 with a B- or KPU ELST placement into ELSQ 0021.

Not Transferable

ELSQ 0023 CR-6

Introductory Listening and Speaking

Students will learn and practise listening and speaking in English. They will develop essential English listening and conversation skills at the upper beginner level on topics related to university studies.

Prerequisites: ELSQ 0015 with a B- or KPU ELST placement into ELSQ 0023.

Not Transferable

ELSQ 0031 CR-6 (formerly ELST 0031)

Pre-Foundation Reading and Writing

Students will develop reading and writing skills to a lower intermediate level of competence. They will improve their reading strategies, grammar control, spelling accuracy, and critical thinking skills by participating in learning tasks related to university studies.

Prerequisites: ELSQ 0021 with a B- or KPU ELST placement into ELSQ 0031.

Not Transferable

ELSQ 0033 CR-6 (formerly ELST 0033)

Pre-Foundation Listening and Speaking

Students will develop listening and speaking skills to a lower intermediate level of competence. They will practise using listening strategies and new vocabulary in English conversation by participating in a variety of communicative learning tasks related to university studies.

Prerequisites: ELSQ 0023 with a B- or KPU ELST placement into ELSQ 0033.

Not Transferable

ENGLISH QUALIFYING (ENGQ)

ENGQ 0024 CR-0 (formerly ABEA 0024)

Detailed English Assessment

Students will complete a thorough assessment and placement process and will, in consultation with the instructor, develop a specific educational plan in relation to achieving their academic goals. Students will understand the demands of learning in an individually-paced continuous-intake classroom.

Prerequisites: ACP assessment

Not Transferable

ENGQ 0044 CR-3 (formerly ABEW 0044)

Basic Writing Skills 1A

Students with English as a first language who have little or no writing experience will acquire the basic grammar and mechanical skills necessary for writing different kinds of simple, clear and correct sentences. They will acquire basic level writing skills and prepare for ENGQ 0054.

Prerequisites: ACP Assessment

Co-requisites: ACP reading and phonics course as identified through ACP assessment ACP reading and phonics course as identified through ACP assessment

Not Transferable

ENGQ 0045 CR-3 (formerly ABER 0045)

Basic Reading Skills 1A

Students with English as a first language who have had little or no experience with the printed word will learn basic reading comprehension skills in an individualized self-paced study mode. They will acquire basic level reading skills and prepare for entry into ENGQ 0055

Prerequisites: ACP Assessment

Co-requisites: ENGQ 0056 ENGQ 0056

Not Transferable

ENGQ 0054 CR-3 (formerly ABEW 0054)

Basic Writing Skills 1B

Students with limited writing experience will acquire the basic grammar and mechanical skills necessary for writing different kinds of simple, clear and correct sentences. They will acquire basic level writing skills and prepare for ENGQ 0064.

Prerequisites: ACP Assessment

Co-requisites: ACP reading and phonics course as identified through ACP assessment ACP reading and phonics course as identified through ACP assessment

Not Transferable

ENGQ 0055 CR-3 (formerly ABER 0055)**Basic Reading Skills 1B**

Students with English as a first language who have had little or no experience with the printed word will learn basic reading comprehension skills in an individualized individually-paced study mode. The students will acquire basic skills and prepare for entry into ENGQ 0065.

Prerequisites: ACP Assessment

Co-requisites: ENGQ 0056 ENGQ 0056

Not Transferable

ENGQ 0056 CR-3 (formerly ABER 0056)**Phonetic Reading and Spelling Skills 1**

Students who have had little or no experience with the English phonemic system will learn basic phonetic reading and spelling skills, and basic word analysis skills in an individualized study mode. They will acquire basic phonemic awareness and prepare for ENGQ 0066. Note: A required corequisite for this course is an appropriate level reading comprehension course as identified through ACP Assessment.

Prerequisites: ACP Assessment

Co-requisites: ACP Reading course as identified through ACP assessment ACP Reading course as identified through ACP assessment

Not Transferable

ENGQ 0064 CR-3 (formerly ABEW 0064)**Basic Writing Skills 2**

Students will acquire the basic grammar and mechanical skills necessary for writing a variety of sentence types and simple paragraphs. They will prepare for ACP Intermediate Level English.

Prerequisites: ENGQ 0054 or ABEW 0054 or ACP assessment

Co-requisites: ACP phonics and spelling or reading course as identified through ACP assessment ACP phonics and spelling or reading course as identified through ACP assessment

Not Transferable

ENGQ 0065 CR-3 (formerly ABER 0065)**Basic Reading Skills 2**

Students who have had limited experience with the printed word will learn basic reading comprehension skills in an individually-paced study mode. They will prepare for entry into intermediate level ACP reading courses.

Prerequisites: ACP Assessment

Co-requisites: ACP phonics course as identified through ACP assessment ACP phonics course as identified through ACP assessment

Not Transferable

ENGQ 0066 CR-3 (formerly ABER 0066)**Phonetic Reading and Spelling Skills 2**

Students who have had limited experience with the English phonemic system will learn phonetic reading and spelling skills and basic word analysis skills in an individualized study mode. Note: Appropriate level reading comprehension course as identified through ACP Assessment.

Prerequisites: ACP Assessment

Not Transferable

ENGQ 0074 CR-3 (formerly ABEW 0074)**Directed Studies: Intermediate Writing and Communication**

Students will work intensively on improving their writing and/or communication skills. Students will, in consultation with the instructor, choose and complete assignments at the intermediate level pertinent to their specific goals. They will study in a self-paced, continuous-intake mode.

Prerequisites: ENGQ 0064 or ACP Assessment

Not Transferable

ENGQ 0075 CR-3 (formerly ABER 0075)**Directed Study: Intermediate Reading**

Students at intermediate level will work in a self-paced individualized study mode on individualized, specific objectives. They will work on basic reading improvement, listening comprehension, spelling improvement, vocabulary development, and/or reading in content areas appropriate to the students' goals.

Prerequisites: ENGQ 0065 or ACP Assessment

Not Transferable

ENGQ 0084 CR-3 (formerly ABEW 0084)**Directed Studies: Advanced Writing and Communications**

Students will work intensively on improving their writing and/or communication skills. Student will, in consultation with the instructor, choose and complete assignments at the Advanced level pertinent to their specific goals. They will study in a self-paced, continuous-intake mode.

Prerequisites: ENGQ 0074 or ACP Assessment

Not Transferable

ENGQ 0085 CR-3 (formerly ABER 0085)**Directed Study: Advanced Reading**

Students at advanced level will work in a self-paced individualized study mode on individualized, specific objectives. They will work on reading improvement, listening comprehension, spelling improvement, vocabulary development, and/or reading in content areas appropriate to the students' goals.

Prerequisites: ENGQ 0075 or ACP Assessment

Not Transferable

ENGQ 1079 CR-3 (formerly ENGQ 1097)**Writing Skills - Focus On Sentences**

Students will learn and practise effective writing, with major focus on correct and effective sentences. They will study and practise the writing process and will write basic paragraphs. Students will practise writing in response to reading critically. Note: This course does not offer instruction at the Fundamental level of English skills or English as a Second Language. It is strongly recommended that students seek an individual assessment through the ACP Department and register for supplemental coursework as required.

Prerequisites: English 11 (C) or Comm 12 (C+) or ELST 0281 (C) or ACP assessment or EPT placement

Not Transferable

ENGQ 1089 CR-3 (formerly ENGQ 1098)**Writing Skills - Focus on Paragraphs**

Students will acquire, review and practise grammar skills for writing effective sentences and paragraphs. They will study and practise the process of composition (including brainstorming ideas, thesis creation, composing an outline, writing a draft, revising a draft, editing and proofreading). Students will practise writing in response to reading critically, and they will practise summarizing. They will focus on sentences and paragraphs. Note: This course does not offer instruction at the Fundamental level of English skills or English as a Second Language.

Prerequisites: English 12 (P) or English 12 First Peoples (P) or English 11 (C+) or Comm 12 (B) or ENGQ 1079 (C) or ENGQ 1097 (C) or ABEE 0070 (C) or LPI score 23, level 3 or ACP assessment or EPT or ELST 0381 (C+)

Not Transferable

ENGQ 1090 CR-1.5 (formerly ENGP 1078)**Public Speaking**

Students will develop their public speaking skills by learning to express their ideas in an organized and clear manner appropriate to a specific audience and purpose. They will learn about the physiology and psychology of communication anxiety and will learn methods to reduce it. Students will develop their abilities to use effective body language, verbal tone, pace and mannerisms when speaking, and will learn to create speeches that are interesting and clear, using audiovisual aids where appropriate. They will also gain experience in listening to and critiquing peers' speeches and practice constructive ways to give and receive feedback.

Prerequisites: English 9 (B) or English 10 (C) or (ABEE 0060 or ENGP 1060) or ((ABEW 0064 or ENGW 1064) and (ABER 0065 or ENGR 1065)) or ELST 0181 (B) or ELST 0281 (C) or ACP Assessment.

ENGQ 1091 CR-3 (formerly ABEE 0091)**Provincial Level English (English 12)**

Students will study English literature, including Canadian literature, in order to prepare for university-level English courses and/or qualify for the B.C. Adult Graduation Diploma. They will read, analyze and respond, orally and in writing, to selected works of literature from fiction, poetry and drama.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or English 11 (B) or ABEE 0081 (B-) or ENGQ 1089 (C) or ENGQ 1098 (C) or LPI Score (Essay 26 with EU 6+ and Reading Comprehension 16) or ACP Assessment or EPT or [ELST 0381 (B-) and ELST 0383 (B-)] or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Transferable (refer to transfer guide)

ENGQ 1092 CR-3 (formerly ABEE 0092)**Professional and Technical English 12**

Students will prepare for post secondary studies through the acquisition of skills in critical reading, listening/viewing, speaking and technical writing. They will apply oral and writing skills by studying, preparing and presenting a variety of business and technical communications and essays.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or English 11 (B) or ABEE 0081 (B-) or ABEE 0089 (C) or ENGQ 1098 (C) or ENGQ 1089 (C) or LPI Score (Essay 26 with EU 6+ and Reading Comprehension 16) or ACP Assessment or EPT or [ELST 0381 (B-) and ELST 0383 (B-)] or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently.

Transferable (refer to transfer guide)

ENGQ 1095 CR-3 (formerly ENGR 1095)**College Preparatory Reading**

Students will improve their reading skills and comprehension by studying factual and fictional readings. They will recognize organizational patterns, apply reading strategies, expand their vocabularies, listen to and practice oral reading, and recognize purpose, tone and other literary features.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or English 11 (B) or ENGQ 1099 or ABEE 0091 or ABEE 0092 or ENGQ 1098 (B-) or ABEE 0089 (B-) or ABEE 0081 (B) or [ELST 0381 and ELST 0383 (C+)] or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5) or ACP Assessment

ENGQ 1096 CR-1.5**University Writing Workshop**

Students will improve their writing skills by receiving instruction and practice in the writing process, editing techniques and the active reading process. They will also study selected language, mechanics and grammar topics chosen according to the needs of the students. Students will use their own completed and graded assignments to study and practice writing in a workshop environment.

Note: This course will support students who are taking Qualifying and Preparatory English courses (ENGQ 1091, ENGQ 1092, ENGQ 1099)

Prerequisites: ENGL 12 (C) or English 12 First Peoples (C) or KUC EPT or LPI score 26 or higher—Level 4 or ENGQ 1091 (C-) or ABEE 0091 (C-) or ENGQ 1092 (C+) or ABEE 0092 (C-) or ELST 0381 (C+) or ENGQ 1098 (C) or ABEE 0081 (B) or ACP Placement into ENGQ 1096 or EPT or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: It is strongly recommended that students registering in this course take one of ENGQ 1091, ENGQ 1092 or ENGQ 1099 concurrently It is strongly recommended that students registering in this course take one of ENGQ 1091, ENGQ 1092 or ENGQ 1099 concurrently

Not Transferable

ENGQ 1099 CR-3 (formerly ENGL 1099)

Writing Skills with Readings

Students will study and practise the process of composition (including brainstorming ideas, thesis creation, composing an outline, writing a draft, revising a draft, editing and proofreading). They will acquire, review and practise grammar skills. Students will practise writing in response to reading critically. They will apply the writing process to the composition of paragraphs and short essays.

NOTE: This course does not offer instruction at the Fundamental or Intermediate level of English skills or English as a Second Language.

Prerequisites: English 12 (C) or English 12 First Peoples (C) or ABEE 0081 (B) or ENGQ 1089 (C) or ENGQ 1098 (C) or LPI score 26 or higher - Level 4 or ACP Assessment or EPT or ELST 0381 (B-) or IELTS 6.0 (no band less than 6.0) or iBT 80 or PBT 550 (TWE 4.5)

Co-requisites: Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently. Students who are entering with a C grade in ENGL 12 are strongly recommended to take ENGQ 1096 concurrently. Transferable (refer to transfer guide)

ENGLISH FOR TRADES (ENGT)

ENGT 1015 CR-1.5 (formerly MWIN 1145)

Communication Skills for Trades I

Students will develop the basic oral and written communication skills needed to complete their trades courses and to function efficiently on the job site. They will practice and develop skills in active listening and speaking and learn correct presentation for classroom and work-related writing. Students will also develop skills in technical reading.

ENGT 1025 CR-1.5 (formerly MWIN 1245)

Communication Skills for Trades II

Students will further develop their oral and written communication skills to complete their trades courses and to function efficiently on the job site. They will expand their oral communication skills by looking at job-related conflict resolution and their writing skills by learning specific task-related skills.

Prerequisites: ENGT 1015

ENTREPRENEURIAL LEADERSHIP (ENTR)

ENTR 3000 CR-3 (formerly ENTR 3500)

Advanced Professional Business Communications

Students will study theories and principles for writing correspondence including electronic proposals, business plans, executive summaries and other research reports, including a collaborative report. They will complete written and oral communication assignments that emphasize interpersonal, team-building and leadership skills.

ENTR 3110 CR-3

Advanced Organizational Behaviour

Students will complete a diagnosis of an organizational setting for the purposes of: managing change, improving performance and increasing organizational effectiveness. Students will use their diagnosis to develop a portfolio that will include: activity management, personal management, conflict and stress management, values, attitudes, group dynamics, leadership and team development, corporate politics and business negotiations.

Prerequisites: Registration in this course is restricted to students who have been accepted into the Bachelor of Business Administration Program. Exceptions must be approved by the Dean.

ENTR 3120 CR-3

Managerial Accounting for Entrepreneurs

Students will learn managerial accounting tools to help make decisions in a business environment. Students will review and analyze managerial accounting practices of different industries. Students will study topics which include relevant costs and revenues, budget development and analysis, capital budgeting and performance measurement tools. Students will apply concepts learned by using cases and applied exercises.

ENTR 3130 CR-3

Production And Operations Management

Students will learn and practise the fundamental design and implementation tools and techniques used in Production and Operations Management (POM). They will be exposed to leading practices employed by entrepreneurs and managers in organizations of all sizes, both in manufacturing and service industries. Students will apply these tools and techniques to solve practical POM problems through exercises and a group term project involving work with real-world or simulated organizations.

Not Transferable

ENTR 3140 CR-3

Entrepreneurial Marketing

Students will learn to address complex marketing problems that need to be addressed with limited resources and recognition of the financial, operational, and HR consequences of the chosen strategy. Students will develop their problem solving, decision-making and planning skills through case analyses and applied exercises. They will also complete a marketing project for a local small business or community organization. Students will be required to undertake both individual and group work, drawing from the full range of business courses taken thus far.

ENTR 3150 CR-3

Business Economics

Students will learn and apply economic concepts that directly relate to decisions made in small and medium-sized businesses. They will develop broad analytical skills useful for entrepreneurial decision-making.

ENTR 3160 CR-3

Information Technology for Business

Students will learn and practice how Information Technology (IT) can assist decision makers in business to be more efficient and effective. They will also learn and practise how to plan, analyze, develop, implement, use and manage information and systems that support the business process from a strategic and competitive advantage perspective.

ENTR 3170 CR-3**Entrepreneurial Finance**

Students will learn current financial management theories along with the technical skills necessary to maximize the economic value of the firm for its shareholders. Using the case-study method, students will learn how to identify, define and resolve the issues faced by financial managers in small and medium-sized companies.

ENTR 4105 CR-3**Corporate Communications and Investor Relations**

Students will study the policies and procedures that inform, govern, and regulate corporate communications and investor relations within Canada's equity markets with an emphasis on junior companies trading on the TSX and TSX-Venture exchanges. They will complete written and oral assignments that will help prepare them for employment opportunities in public companies. Students will gain a thorough understanding of disclosure requirements, mandated corporate communications, and investor-relations strategies.

Prerequisites: Acceptance into the Bachelor of Business Administration Program

ENTR 4110 CR-3**Business Leadership**

Students will study the business leadership process as well as applied and practical leadership techniques. They will develop and practice leadership skills through self-assessment exercises, role-playing simulations and other 'hands-on' experience. Students will study other topics such as leadership in entrepreneurial and intrapreneurial settings, small- to medium-size business culture, effective team leadership and self-leadership.

Prerequisites: (ENTR 3000 or ENTR 3500) and (ENTR 3110 or HRMT 3115)

Transferable (refer to transfer guide)

ENTR 4120 CR-3**Human Resource Management**

Students will acquire an in depth understanding of the human resource (HR) management needed to enable an organization to face changes and challenges. Students will engage in research, present key findings and engage in best practice dialogues around a variety of key human resource management concepts, including legal and diversity issues, employee acquisition and deployment, performance management, career development, employee compensation and rewards, employee communications and discipline, union- management relations, occupational health and safety, and international human resource management.

Prerequisites: ENTR 3110

ENTR 4140 CR-3**Entrepreneurial Sales and Customer Service**

Students will be introduced to the basic selling process, make formalized sales presentations and learn and practice effective customer service with emphasis placed on understanding loyalty, total quality management (TQM), benchmarking, internal customers and communications.

Prerequisites: ENTR 3140

ENTR 4200 CR-3**Business Strategy**

Students will focus on the conceptual and practical aspects of strategic decision making in business. They will learn how to formulate strategies, evaluate strategic alternatives using financial and non financial criteria, implement strategies and manage strategic change in organizations through a series of case analyses, business exercises and current examples from industry.

Prerequisites: ENTR 3130 and ENTR 3140 and (either ENTR 3170 or ACCT 2380 or ACCT 3380)

ENTR 4250 CR-6**Entrepreneurial Leadership Practicum**

Students will manage, design, prepare and present a comprehensive project that will meet the requirements of a client organization. They will develop and complete a significant project in partnership with businesses or as part of developing an entrepreneurial endeavour. Students will gain the opportunity to practice the integration of business skills and concepts.

Prerequisites: 27 ENTR credits, including ENTR 4200

ENTR 4300 CR-3**Entrepreneurial Management for Service Companies**

Students will analyze and gain insight into a variety of service industry sectors such as the tourism and sports and entertainment industries. They will design and implement a plan for the marketing of services and service companies through the use of cases, industry projects and applied assignments. Students will acquire a practical and strategic understanding of how the marketing of services and service companies differs from that of product marketing.

Prerequisites: ENTR 3140

ENTR 4848 CR-3**Global Marketing Strategies**

Students will explore various marketing strategies and activities that enable corporations to be competitive in the global economy and market. Areas of emphasis include segmentation, market analysis, international advertising and promotion, personal selling and personnel management, pricing, distribution systems, export trade mechanics and logistics, financial requirements for international marketing, and coordinating and controlling global operations.

ENVIRONMENTAL PROTECTION TECHNOLOGY (ENVI)

ENVI 1106 CR-4**Environmental Chemistry I**

Students will study chemistry with a focus on environmental issues and applications. They will study concentration units, volumetric and gravimetric analysis, gases and organic chemistry with applications relevant to environmental issues.

Prerequisites: (CHEQ 1094 or Chemistry 11 [C+] or Chemistry 12 [P]) and (MATQ 1093 or ABEM 0011 or MATP 1011 or Principles of Mathematics 11 or Pre-calculus 11) or Foundations of Mathematics 12

Co-requisites: MATH 1117 MATH 1117

Not Transferable

ENVI 1121 CR-3**Environmental Issues**

Students will learn to identify the basic scientific and social principles that underlie the main current environmental issues. They will also examine local and global case studies and will study the effects of pollution and resource degradation on society.

ENVI 1206 CR-4**Environmental Chemistry II**

Students will study chemistry with a focus on environmental issues and applications. They will study oxidation-reduction reactions, general equilibria (with applications to electrochemistry, solubility, and acids and bases), and intermolecular forces (with applications to miscibility and boiling/freezing points), with focus on environmental applications.

Prerequisites: (ENVI 1106 or CHEM 1110) and (MATH 1117 or [Principles of Mathematics 12 C+] or [Pre-calculus 12 C+])
Transferable (refer to transfer guide)

ENVI 1216 CR-4**Introduction to Earth Sciences**

Students will study the basic principles of geology, hydrogeology, hydrology, and atmospheric science. They will learn the key physical mechanisms that affect the transport and transformation of pollutants released in the environment.

Prerequisites: ENVI 1121
Transferable (refer to transfer guide)

ENVI 1226 CR-3**Health & Safety**

Students will study the dangers of hazardous materials using standard industrial classification systems and will learn safe emergency response procedures for spill incidents and the use of protective suits and respirators. They will also learn to recognize and control common contaminated sites hazards through the development of site health and safety plans.

Prerequisites: ENVI 1106 or CHEM 1110
Not Transferable

ENVI 2305 CR-3**Environmental Toxicology**

Students will study the principles of toxicology and the toxicological testing of chemicals, with emphasis on environmental pollutants.

Prerequisites: (ENVI 1206 or CHEM 1210) and BIOL 1210
Transferable (refer to transfer guide)

ENVI 2307 CR-4**Environmental Physics**

Students will learn the basic principles of physics that apply to environmental concerns. They will study topics in fluid mechanics and electricity and perform labs that illustrate the physical principles underlying common environmental instrumentation.

Prerequisites: (MATH 1117 or MATH 1112 or [MATH 1111 and 1113] or Principles of Math 12 with a C) and (PHYP 1011 or PHYQ 1098 or Physics 11 with a C)

ENVI 2310 CR-3**Solid Waste Management**

Students will learn the principles of pollution prevention, waste minimization, recycling, landfill operation, incineration, and composting. They will study the basic concepts of environmental management systems and environmental audits.

Prerequisites: ENVI 1121

ENVI 2315 CR-4**Water and Soil Sampling**

Students will gain experience with the field sampling procedures, instrumentation and analytical methods used in water, soil, and sediment assessment and control.

Prerequisites: ENVI 1121 and (ENVI 1106 OR CHEM 1110)
Not Transferable

ENVI 2405 CR-3**Environmental Legislation**

Students will study current environmental legislation at the federal, provincial, and municipal levels. They will learn the correct procedures for adhering to current legislation. Students will participate in a case study, and will identify stakeholders and relevant legislation and regulations.

ENVI 2410 CR-3**Water Resources Protection**

Students will learn the principles of operation of physical, chemical, and biological treatment systems for water and wastewater. They will also learn the principles of flood control, erosion prevention, and other methods of aquatic protection.

Prerequisites: ENVI 1216 and ENVI 2307 and ENVI 2315

ENVI 2415 CR-4**Air Quality Monitoring**

Students will gain experience with comprehensive sampling, instrumentation and analytical techniques used in ambient air and source monitoring, and will learn to apply the scientific principles underlying air monitoring and air quality issues.

Prerequisites: ENVI 1216 and ENVI 2307
Not Transferable

ENVI 2420 CR-4**Contaminated Sites Management**

Students will learn the basic principles of contaminated sites management, including site assessment procedures, remediation methods, and the regulatory framework. They will also study the movement of contaminants in soils and groundwater.

Prerequisites: (ENVI 1206 or CHEM 1210) and ENVI 1216
Not Transferable

ENVI 2426 CR-3.5**Health and Safety**

Students will study the dangers of hazardous materials through WHMIS and Transportation of Dangerous Goods systems and will learn safe emergency response procedures for spill incidents and the use of protective suits and respirators. They will also learn to recognize and control common contaminated sites hazards through the development of site health and safety plans

Prerequisites: (ENVI 1206 or CHEM 1210) and ENVI 2305

ENVI 2900 CR-3**Research Project**

Students will engage in an intensive study of a selected topic in environmental protection technology. They will select a research topic, collect and interpret data, write a report on the results of the project, and present their results.

Prerequisites: (ENVI 1106 or CHEM 1110) and ENVI
Co-requisites: MATH 1115 MATH 1115
Not Transferable

ENVI 2901 CR-1**Environmental Research Seminar**

Students will discuss the scope of research projects in environmental protection in the context of their relevance to the environmental industry and needs of society. They will make a preliminary research project selection, discuss how to carry it out, and provide feedback to their classmates on their proposed research.

Prerequisites: (ENVI 1106 or CHEM 1110) and ENVI 2315

Co-requisites: MATH 1115 MATH 1115

Not Transferable

ENVI 2902 CR-2**Environmental Research Project**

Students will engage in an intensive study of a selected topic in environmental protection technology. They will select a research topic, collect and interpret data, write a report on the results of the project, and present their results.

Prerequisites: ENVI 2901 and MATH 1115

Not Transferable

ENVI 3112 CR-3**Environment and Society**

Students will analyze environmental issues within their social contexts. They will examine the origins of public perception of environmental issues, including the role of the media, activists, whistle-blowers, and the artistic community. Students will debate the respective importance of science and public perception in influencing government policy in selected case studies

Prerequisites: 60 credits of 1100-level or higher courses

ENVI 3212 CR-3**The Urban Environment**

Students will analyze environmental issues within the contexts of community projects. They will conduct a local project, from initial fact-finding and community liaison to formal proposal, and will quantify its potential impacts using local case studies as a guide.

Prerequisites: 60 credits of 1100-level or higher courses

ENVI 4501 CR-3**Special Topics in Sustainability**

Students will engage in an intensive study of a selected topic in sustainability, as determined by the instructor. They will review relevant literature, develop a research proposal, write a comprehensive report, and present the results of their research.

Note: the topic of study will be established in advance by the department. Please check with the department for proposed offerings. Students may take this course multiple times for further credit on different topics.

Prerequisites: Permission of instructor

Transferable (refer to transfer guide)

ENVI 4599 CR-3**Directed Studies**

Students will carry out a detailed investigation of an environmental or sustainability topic consisting of readings and research, under the supervision of a faculty member with expertise in the area. They will identify relevant sources of information and develop a comprehensive understanding of their topic, in addition to submitting a final report. They may perform laboratory or field work as part of their research. Note: Students may take this course multiple times for further credit on different topics.

Prerequisites: Permission of instructor

Not Transferable

F**FARRIER TRAINING (FARR)****FARR 1111 CR-2****Introduction to Horseshoeing**

This introductory course teaches the student farrier the professional responsibilities of the trade. The student also reviews the fundamentals of horse handling and learns the basics of foot preparation and shoeing.

Prerequisites: Two years' horse handling experience & standard entry requirements.

Co-requisites: FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116 FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

FARR 1112 CR-3**Introduction to Equine Anatomy**

The student farrier learns the conformation of the normal horse in FARR 1112. The anatomy and physiology of the lower limbs are also studied in preparation for basic shoeing exercises.

Prerequisites: Two years' horse handling experience and standard Kwantlen entry requirements.

Co-requisites: FARR 1111, FARR 1113, FARR 1114, FARR 1115, FARR 1116 FARR 1111, FARR 1113, FARR 1114, FARR 1115, FARR 1116

FARR 1113 CR-2**Introduction to Horse Husbandry and Handling**

FARR 1113 teaches the basic elements of horse care and management. Students work at handling and shoeing average and difficult horses in the shop.

Prerequisites: Two years' horse handling experience and standard Kwantlen entry requirements.

Co-requisites: FARR 1111, FARR 1112, FARR 1114, FARR 1115, FARR 1116 FARR 1111, FARR 1112, FARR 1114, FARR 1115, FARR 1116

FARR 1114 CR-2**Introduction to Gaits and Forge Work**

This course teaches the student the analysis of a horse's way of going. Lameness and the various gaits are studied and basic forge work is carried out in the shop.

Prerequisites: Two years' horse handling experience and standard Kwantlen entry requirements.

Co-requisites: FARR 1111, FARR 1112, FARR 1113, FARR 1115, FARR 1116 FARR 1111, FARR 1112, FARR 1113, FARR 1115, FARR 1116

FARR 1115 CR-2**Introduction to Horse Lameness**

In this course, the student learns how to identify lameness and unsoundness in horses, as well as how to communicate effectively with horse owners and veterinarians using professional terminology.

Prerequisites: Two years' horse handling experience and standard entry requirements.

Co-requisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1116 FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1116

FARR 1116 CR-1**Introduction to Specialized Horses**

FARR 1116 teaches identification and general characteristics of common breeds and performance horses. Selection and safe operation of mobile units conclude this basic course.

Prerequisites: Two years' horse handling experience and standard entry requirements.

Co-requisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115 FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115

FARR 1121 CR-2 (formerly FARR 1111)**Introduction to Farriery**

Students will learn the professional responsibilities of the trade and the role of the modern farrier within the equine industry. They will learn and practice the essential requirements and habits of a safe work environment for both farrier and horse. Students will develop and execute a personal fitness plan. They will also review the fundamentals of effective horse handling.

Not Transferable

FARR 1122 CR-2 (formerly FARR 1112)**Introduction to Equine Anatomy**

Students will study the conformation of the horse. They will explore the anatomy of the horse with an emphasis on the limb and hoof in preparation for basic shoeing exercises.

Not Transferable

FARR 1123 CR-2 (formerly FARR 1113)**Introduction to Equine Management for Farriers**

Students will study and practice the basic elements of horse care and management relevant to farriery. Students will manage average and difficult horses in preparation for both trimming and shoeing.

Not Transferable

FARR 1124 CR-2 (formerly FARR 1114)**Introduction to Forge Work**

Students will learn the basic skills to hot forge mild steel using hand tools. They will learn how to operate natural gas and propane forges and use a variety of anvils common in the farrier industry.

Not Transferable

FARR 1125 CR-2 (formerly FARR 1115)**Introduction to Horse Hoof Trimming**

The student will learn to assess hoof health and conformation and the trimming needs of average horses to be barefoot. They will practice trimming fore and hind hooves on horses kept barefoot.

Not Transferable

FARR 1126 CR-2 (formerly FARR 1116)**Introduction to Forging Horseshoes**

The student will learn the techniques to efficiently produce hot forged horse shoes, from mild steel, for the average horse.

Not Transferable

FARR 1211 CR-2**Intermediate Horseshoeing**

FARR 1211 builds on the foot preparation and shoeing skills acquired in the introductory program. The field of public relations is practiced with professionals.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216 FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

FARR 1212 CR-3**Intermediate Equine Anatomy**

FARR 1212 advances the student's knowledge of horse conformation to an intermediate level. Anatomy and physiology are studied in depth as well for application in shoeing.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1211, FARR 1213, FARR 1214, FARR 1215, FARR 1216 FARR 1211, FARR 1213, FARR 1214, FARR 1215, FARR 1216

FARR 1213 CR-2**Intermediate Horse Husbandry and Handling**

FARR 1213 teaches the intermediate skills of horse care and management. Students work in the shop handling and shoeing average and difficult horses.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1211, FARR 1212, FARR 1214, FARR 1215, FARR 1216 FARR 1211, FARR 1212, FARR 1214, FARR 1215, FARR 1216

FARR 1214 CR-2**Intermediate Gaits and Forge Work**

This course teaches the student intermediate skills in the analysis of a horse's way of going. Gaits and lameness are studied, and forge work is refined to the intermediate level.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1211, FARR 1212, FARR 1213, FARR 1215, FARR 1216 FARR 1211, FARR 1212, FARR 1213, FARR 1215, FARR 1216

FARR 1215 CR-2**Intermediate Studies of Lameness**

The intermediate farrier student learns to identify and report on lameness, unsoundness and faulty ways of going. Business skills are further refined in this intermediate course.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1216 FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1216

FARR 1216 CR-1**Intermediate Study of Specialized Horses**

This intermediate course strengthens the farrier student's knowledge of specialized breeds and performance horses. Show regulations of the American Horse Show Association are studied.

Prerequisites: FARR 1111, FARR 1112, FARR 1113, FARR 1114, FARR 1115, FARR 1116

Co-requisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215 FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215

FARR 1221 CR-2 (formerly FARR 1211)**Intermediate Farriery**

Students will learn the essentials of running a small business servicing the equine industry. They will examine the diversity of equine conformation and how it is connected to leg and hoof problems. They will work with moderately challenging horses and will execute a personal fitness plan.

Prerequisites: FARR 1121 and 1123

Not Transferable

FARR 1222 CR-2 (formerly FARR 1212)**Physiology of the Equine Leg and Hoof**

Student will learn the physiology of individual tissues and the limb, of the horse, as a complete unit. They will study extrinsic and intrinsic factors affecting limb physiology. They will learn trimming and shoeing adaptations to improve hoof function and comfort of the horse.

Prerequisites: FARR 1122

Transferable (refer to transfer guide)

FARR 1223 CR-2 (formerly FARR 1213)**Equine Hoof Trimming**

Students will work with moderately challenging horses, trimming fore and hind hooves for both barefoot and shoeing situations. They will practice trimming tool repair and maintenance.

Prerequisites: FARR 1123 and FARR 1125

Not Transferable

FARR 1224 CR-3 (formerly FARR 1214)**Intermediate Horseshoe Forging**

Students will learn and practice a variety of forging techniques to modify horseshoes to meet the demands of a variety of equine sports. They will also explore horse show rules governing farriery.

Prerequisites: FARR 1124 and 1126

Not Transferable

FARR 1225 CR-3 (formerly FARR 1215 and 1216)**Intermediate Horseshoeing**

Students will practice efficient fitting and application of horseshoes to fore and hind hooves of horses. Students will shoe client horses with premade and custom forged shoes for a range of equine disciplines, and individual needs of the horse-owner. Students will modify shoes to meet individual needs of various horses.

Prerequisites: FARR 1121 and 1222 and 1123 and 1124 and 1125 and 1126

Not Transferable

FARR 1311 CR-2**Advanced Horseshoeing**

In FARR 1311, the student farrier advances to the professional level of skill in shoeing. Accompanying this practical study, the student refines knowledge of professional relationships and effective public relations as a business person.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1312, FARR 1313, FARR 1314, FARR 1315, FARR 1316 FARR 1312, FARR 1313, FARR 1314, FARR 1315, FARR 1316

FARR 1312 CR-3**Advanced Equine Anatomy**

The student farrier conducts advanced study of the conformation of the normal horse in FARR 1312. The anatomy and physiology of the lower limbs are studied in preparation for advanced shoeing exercises.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1311, FARR 1313, FARR 1314, FARR 1315, FARR 1316 FARR 1311, FARR 1313, FARR 1314, FARR 1315, FARR 1316

FARR 1313 CR-2**Advanced Horse Husbandry and Handling**

FARR 1313 teaches the advanced skills of horse care and management. Students work in the shop handling and shoeing specialized horses.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1311, FARR 1312, FARR 1314, FARR 1315, FARR 1316 FARR 1311, FARR 1312, FARR 1314, FARR 1315, FARR 1316

FARR 1314 CR-2**Advanced Gaits and Forge Work**

In FARR 1314 the student completes the study of gaits and lameness. The forge skills of the farrier's trade are mastered.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1311, FARR 1312, FARR 1313, FARR 1315, FARR 1316 FARR 1311, FARR 1312, FARR 1313, FARR 1315, FARR 1316

FARR 1315 CR-2**Advanced Studies of Lameness**

FARR 1315 completes the student farrier's work in the areas of lameness, unsoundness and faulty ways of going. Effective techniques in business and customer relations prepare the student for individual enterprise in the farrier field.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1311, FARR 1312, FARR 1313, FARR 1314, FARR 1316 FARR 1311, FARR 1312, FARR 1313, FARR 1314, FARR 1316

FARR 1316 CR-1

Advanced Study of Specialized Horses

This advanced course concludes the farrier's study of breeds and performance horses. The safe, effective and economical operation of a mobile shoeing unit are also covered in FARR 1316.

Prerequisites: FARR 1211, FARR 1212, FARR 1213, FARR 1214, FARR 1215, FARR 1216

Co-requisites: FARR 1311, FARR 1312, FARR 1313, FARR 1314, FARR 1315 FARR 1311, FARR 1312, FARR 1313, FARR 1314, FARR 1315

FARR 1321 CR-2 (formerly FARR 1311)

Advanced Farriery

Students will learn the techniques to efficiently produce tools used in the farrier and blacksmith trade. They will explore the use of non-traditional materials for hoof repair and shoeing of horses. Students will execute a personal fitness plan.

Prerequisites: FARR 1221

Not Transferable

FARR 1322 CR-2 (formerly FARR 1315)

Equine Disease and Lameness

Students will study diseases of the horse with an emphasis on diseases of the limbs and hooves and the relationship to lameness. They will examine the correlation between conformation, management and disease. Students will study the gaits of the horse to develop understanding how gait relates to evidence of lameness. They will explore the role of the farrier and the relationship to veterinary practice.

Prerequisites: FARR 1222

Not Transferable

FARR 1323 CR-3 (formerly FARR 1312)

Farrier Podiatry

Students will study basic theories, principles and processes for the treatment of disease and lameness of the limb and hoof of the horse from a farrier perspective. Students will conduct lameness exams and develop trimming and shoeing solutions for live horses.

Prerequisites: FARR 1222 and 1224 and 1225

Not Transferable

FARR 1324 CR-5 (formerly FARR 1313)

Advanced Horseshoeing

Students will learn and practice methods to work safely and successfully on the most difficult horses. They will learn management techniques for horses displaying a variety of behavior challenges. They will study the development of the equine limb from birth to maturity. Students will practice efficient trimming and shoeing methods.

Prerequisites: FARR 1223 and 1224 and 1225

Not Transferable

FASHION MARKETING (FMRK)

FMRK 1105 CR-3

Computer Applications for Fashion Marketing

Students will examine the role of computers in the business world of fashion. They will be introduced to the Microsoft Windows operating system, and will use the Internet and the Microsoft Office spreadsheet, presentation and word processing software to develop solutions for fashion-related business activities. Students will explore the capabilities of Adobe Photoshop® using various tools and techniques to create fashion marketing-related artwork. They will use Adobe InDesign® to design and build layouts and create print materials.

Co-requisites: FMRK 1115 FMRK 1115

FMRK 1115 CR-2.5

The Apparel Market

Students will acquire an historical awareness of the apparel industry and the current workings of the industry in local, national and global contexts. They will learn to identify the sectors of the industry from raw materials through to design, production and marketing to the consumer. Through market research students will explore and attend events, network with store owners and develop job contacts for marketing related opportunities. They will also explore a variety of careers available in design and marketing and how these positions interrelate.

Note: This course is identical to FASN 1115. Students will not be able to earn credits for more than one of FASN 1115 or FMRK 1115.

Co-requisites: FMRK 1105 FMRK 1105

FMRK 1150 CR-2

Fashion Retail Work Experience

Students will work 80 hours, paid or volunteer, to gain an understanding of the retail component of fashion in order to further their fashion marketing knowledge and skills. They will provide evidence of their learning in journal form, self assessment, and reference letters.

Note: This course is identical to FASN 1150. Students will not be able to earn credits for more than one of FASN 1150 or FMRK 1150.

FMRK 1205 CR-3

Visual Communication for Fashion Marketing

Students will develop their fashion communication skills in a visual context. They will explore the fundamental elements and principles of design, and apply them to current visual fashion marketing strategies. Students will experiment with concepts of layout using fashion figures, terminology, and fashion product such as apparel and accessories. They will create a variety of fashion marketing images to increase their visual literacy in relation to prevailing industry formats.

Prerequisites: FMRK 1105 and FMRK 1115 or FASN 1115

Co-requisites: MRKT 1199 MRKT 1199

FMRK 1215 CR-3**Textile Science**

Students will develop their knowledge of how fabrics are created and used, and will be able to apply that understanding to make appropriate fabric choices in design and production. They will learn how factors such as industry issues, sourcing practices, labeling laws, fabric finishes and care instructions affect design, production and marketing decisions.

Note: Students may get credit for only one of FMRK 1215 or FASN 1215.

Prerequisites: FMRK 1115 or FASN 1115

FMRK 1250 CR-3**Fashion and Consumers**

Students will study the supply and demand for fashion products and services and business opportunities for local retail and wholesale markets. They will practice matching consumer preferences to finished product. Students will investigate job opportunities and entrepreneurial ventures in sales and marketing and explore local fashion districts. They will research, write market reports and present a marketing plan for a new start-up fashion business.

Note: Students may earn credits for only one of FMRK 1250 or FMRK 2250 or FASN 2250 as they are equivalent courses.

Prerequisites: FMRK 1105 and FMRK 1115 and FMRK 1150

FMRK 2105 CR-3**Visual Fashion Merchandising and Promotion**

Students will explore visual concepts of fashion marketing and promotion in 2-dimensional and 3-dimensional formats. They will interpret the elements and principles of design as they relate to 3-D areas, such as retail display spaces. Students will examine careers in visual merchandising and fashion promotion by experimenting with window and in-store display, creating merchandising floor plans for retail, styling still-photography shoots and creating fashion runway looks with garments. Students will identify current local and global trends in apparel, display, advertising and promotion as it pertains to the fashion industry.

Prerequisites: FMRK 1205

Co-requisites: FASN 1150 or FMRK 1150 FASN 1150 or FMRK 1150

FMRK 2115 CR-3**Fashion Forecasting**

Students will engage in examination of historical fashion trends to determine how influences such as politics, economics, social and cultural movements impact the evolution of apparel and textiles. Through analysis of consumer trends and market segmentation, students will research applicable influences from areas such as design, art, music, architecture and lifestyle. Students will present a visual, verbal, and written proposed forecast with a rationale, based on interpretation and resulting analysis.

Prerequisites: FMRK 1205

FMRK 2120 CR-3**Fashion Writing**

Students will examine techniques for effective writing in the context of fashion marketing and promotion. Students will practice various fashion writing techniques such as show reporting, web writing, print and broadcast advertising, public relations copy, and editorial content in newspapers and magazines. Students will apply research, critical thinking, and writing skills using case studies and industry profiles

Prerequisites: FMRK 1205 and (FASN 1215 or FMRK 1215)

FMRK 2205 CR-3**Fashion Buying**

Students will expand their knowledge of the retail industry including development and distribution of consumer apparel products. They will examine the financial aspects of merchandising including pricing strategies, sales planning and purchasing of retail inventories. Students will also analyze merchandise control, productivity assessment, and in-store presentation.

Prerequisites: (ACCT 1110 or ACCT 1130 or ACCT 2293) and FMRK 2105 and FMRK 2115

FMRK 2215 CR-3**Fashion Events and Promotions**

Students will learn to organize and manage a fashion event including: event project management, research and design of on-site coordination, logistics, budgeting, promotion, fundraising, and evaluating the event's success. They will determine venue, theme, activities and will stage the event in the semester. Students will learn about publicity and will prepare media releases, public service announcements, and event communications plans.

Prerequisites: FMRK 2120

FMRK 2240 CR-1.5**Fashion Marketing Work Experience**

Students will conduct a 40 hour work placement in an apparel marketing organization. They will increase their knowledge of fashion marketing practices, develop contacts in the industry and identify opportunities for their place as professionals in the field.

Prerequisites: FMRK 2105

FASHION AND TECHNOLOGY (FASN)

FASN 1100 CR-3**Fundamentals of Fashion Design**

Students will work with the elements and principles of design as they relate to fashion. They will develop their ability to experiment with design process in two- and three-dimensions, and to formulate solutions to fashion design problems (with an emphasis on textiles and the use of a sketchbook).

Co-requisites: FASN 1120 FASN 1120

FASN 1115 CR-2.5

The Apparel Industry

Students will acquire an historical awareness of the apparel industry and the current workings of the industry in local, national and global contexts. They will learn to identify the sectors of the industry from raw materials through to design, production and marketing to the consumer. Through field research, students will discover the wide range of local niche market apparel companies. Students will explore a variety of careers available in design, production and marketing of apparel and how the positions interrelate. They will determine their place as professionals in the field.

Note: This course is identical to FMRK 1115. Students will not be able to earn credits for more than one of FASN 1115 or FMRK 1115.

Prerequisites: English 12 (B) or ENGL 1099 or ABEE 0091 or ENGP 1091 or ABEE 0092 or ABEE 0097 or ENGP 1097 or Kwantlen English Placement Test placement or an LPI Essay score of 30 – Level 5 or (ELST 0381 & 0383 B)

FASN 1120 CR-3.5

Production Basics I

Students will analyze and draft basic patterns. They will research, draft and construct basic apparel components and create production reference binders. They will study and practice the fundamentals of quality control.

Co-requisites: FASN 1100 FASN 1100

FASN 1150 CR-2

Fashion Retail Work Experience

Students will work 80 hours, paid or volunteer, to gain an understanding of the retail component of fashion in order to further their design, production and marketing knowledge and skills. They will provide evidence of their learning in journal form, self assessment, and reference letters.

Note: This course is identical to FMRK 1150. Students will not be able to earn credits for more than one of FASN 1150 or FMRK 1150.

Prerequisites: English 12 (B) or ENGL 1099 or ABEE 0091 or ENGP 1091 or Kwantlen English Placement Test or an LPI essay score of 30 or higher or [ELST 0381(B) and 0383 (B)]

FASN 1205 CR-3

Computer Applications for Fashion

Students will examine the role of computers in the business world of fashion. They will be introduced to the Microsoft Windows® operating system, and will use the Internet and the Microsoft Office® spreadsheet, presentation and word processing software to develop solutions for fashion related business activities. Students will explore the capabilities of Adobe Illustrator® using Illustrator's tools and techniques to create fashion related visuals.

FASN 1215 CR-3

Textile Science

Students will investigate the technical aspects of textiles, such as fibre properties, fabric characteristics and textiles production. They will study the application of technical information for apparel design and production. They will consider trends and their impact on textiles and technology. Students will explore industry-related issues in textiles, such as: sourcing practices, labeling laws, and textile finishes and how these impact design, production and marketing. They will analyze fibre and fabric properties through textile testing in context to fabric performance.

Prerequisites: FASN 1115

Not Transferable

FASN 1220 CR-6

Production Basics II

Students will select and manipulate blocks to develop finished patterns. They will research fit and construction techniques to complete finished garments. Students will learn the basics of specification sheets and flat garment measurement. They will build on their production reference binders through drafting and constructing more complex components. Students will continue to study and practice quality control. They will begin to develop a critical eye for line and proportion.

Prerequisites: FASN 1120

FASN 1230 CR-2

Fashion Drawing I

Drawing nude and clothed figures, students will observe, analyze, imagine, and record fashion design ideas for various target markets. They will examine different kinds of fashion drawing, and will develop initial design sketches into presentation sketches, using drawing to communicate messages in design, production and marketing contexts. Students will develop critical awareness through studying cultural and historical influences affecting fashion drawing.

Prerequisites: FASN 1100

FASN 2100 CR-3

Fashion Design I

Students will apply their knowledge and skills in a practical focus through links with industry and concurrent fashion classes. They will explore garment design solutions for specific contexts using historical, international, and local resources. They will formulate design solutions based on trend, forecasting, and market research. Students will critically analyze the diversity of design solutions and connect them to a social context.

Prerequisites: FASN 1100 and FASN 1150 and FASN 1230 and 3 credits of any 1st year (or higher) MRKT course

Co-requisites: FASN 2120 and FASN 2130 FASN 2120 and FASN 2130

FASN 2115 CR-2.5

History of Costume

Students will examine costume history and its relationship to social, economic, and political events. They will investigate western fashion developments and expand their appreciation of fashion sources from other areas of the world. Through class projects, students will draw on historical knowledge to analyze and predict current fashion and to create design solutions which reference historical costume.

Prerequisites: 3 credits of ENGL 1100 or any first year post secondary English or higher

FASN 2120 CR-7
Style Production I

Students will apply complex drafting and construction skills and knowledge to create marketable garments, making connections to FASN 2100 Fashion Design I. They will create specification packages, work with specialty fabrics, and expand their production resource binders. Students will continue to study and practice fit and quality control as well as critique line and proportion in garments.

Prerequisites: FASN 1220

Co-requisites: FASN 2100 FASN 2100

FASN 2130 CR-2
Technical Fashion Drawing

Students will understand the different uses and kinds of technical fashion drawing. They will convey design ideas using technical drawings and terminology to accurately specify proportion, style and detail. Drawings will be developed initially by hand and developed using Adobe Illustrator® and incorporating Adobe Photoshop®. Students will produce a digital based portfolio focusing on technical fashion drawings.

Prerequisites: FASN 1230, FASN 1205, FASN 1220

Co-requisites: FASN 2100 FASN 2100

FASN 2200 CR-5
Fashion Design and Drawing II

Students will examine how design decisions affect production and marketing. Through links with industry, they will apply their knowledge and abilities in a practical focus. They will explore and critically analyze the balance between creativity and marketability through colour and experimenting with textile choices. Students will practice visual and verbal presentation techniques and create a portfolio of work applicable to job interviews.

Prerequisites: FASN 2100, FASN 2130, FASN 2115

Co-requisites: FASN 2220 FASN 2220

Not Transferable

FASN 2220 CR-7
Style Production II

Working from design concept to 3-D product, students will draft and construct prototypes for specific markets including technical apparel. They will create standard-size blocks and manipulate them to produce individual styles. Students will produce full-size knit, woven and technical apparel and develop technical specification packages that include production and cost analyses. They will analyze and evaluate the final products for fit, performance and quality.

Prerequisites: FASN 2120

Co-requisites: FASN 2200 FASN 2200

Not Transferable

FASN 2240 CR-2
Computer-Based Pattern Drafting

Students will learn how to operate the Gerber Accumark™ pattern design system which prepares them for pattern manipulation conforming to industry standards. They will transfer manual pattern drafting skills and knowledge to computer-based pattern manipulation techniques, with emphasis on creating new styles.

Prerequisites: FASN 1205 and FASN 2120

FASN 3100 CR-3
Textile Design

Through the study and analysis of the fabric traditions of different cultures, combined with class exercises, students will be able to create and produce unique textiles. They will increase their understanding of the components of structural and surface design processes in producing textile designs using a variety of media and techniques. They will understand the nature of textile design problems and will communicate solutions visually and verbally. This course connects to fashion design courses.

Prerequisites: acceptance into 3rd year

FASN 3120 CR-7
Mass Manufacturing

Students will research and practice mass manufacturing methodologies. They will practice pattern grading techniques manually and digitally using apparel industry-specific software. Computer-based markers (pattern piece layouts on fabric) will be produced from student-generated graded patterns. They will study and simulate domestic and global production planning and management. They will create complete specification packages and quality control manuals. Students will also review the use of CAD in the apparel industry. They will practice and assess team dynamics in a production environment. They will analyze the inter-relationships between production, design, and marketing functions within an apparel company.

Prerequisites: acceptance into FASN 3rd year

FASN 3130 CR-4
Draping

Students will study, research and apply the techniques of draping in design and patternmaking. They will develop skills in translating draped designs to flat patterns. Students will create a digital reference of draped designs which will include examples of design concepts and provide a visual record that portrays stages of development in a variety of draped techniques. They will continue to develop an eye for line and proportion in design.

Prerequisites: acceptance into FASN 3rd year

FASN 3150 CR-1.5
Preparation for Fashion Industry Internship

Students will learn the knowledge and skills to carry out a job search to secure a (volunteer) position with an apparel design/manufacturing company. They will develop skills in personal career assessment, resume writing, cover letters, portfolio presentation, and interview techniques. They will develop awareness of the career opportunities in the local apparel industry, internship policies and procedures and have an appreciation of human relations in the workplace.

Prerequisites: acceptance into 3rd year

Co-requisites: FASN 3120 FASN 3120

FASN 3200 CR-3.5
Product Development

Students will examine and analyze the product development process as it applies to the apparel industry. They will formulate critical paths in product development and examine the relationship of wholesale cost to retail price, based on industry guidelines. Students will, in a collaborative environment, formulate design solutions for specific target markets based on forecasting and market research. They will consider links between the product development process and other studies and experiences.

Prerequisites: acceptance into 3rd year

Co-requisites: FASN 3250 FASN 3250

Not Transferable

FASN 3250 CR-3

Fashion Industry Internship

Students will transfer their previous learning to a "real world" situation during an internship with a local design/manufacturing company in the apparel sector. They will be placed in a variety of apparel companies that may also include specialized areas such as technical apparel, costume or custom design. Students will increase their knowledge of industry practices, develop contacts in the industry and be able to identify opportunities for their place as professionals in the field.

Prerequisites: (53.5 credits of FASN including FASN 2200 and 2220 - B-) and FASN 3150 and (CMNS 1140 and ENGL 1100 and MRKT 1199)

Not Transferable

FASN 4100 CR-5.5

Line and Portfolio Development

Students will integrate personal direction with fashion industry practice through the process of designing a line of clothing for a chosen market niche. They will determine and apply design solutions for specific niche markets which may include the technical apparel market. They will critically analyze and assess the balance between creativity and marketability required for success in the profession. Students, through consultations with industry professionals and site visits, will create a comprehensive portfolio of work appropriate to a career direction.

Prerequisites: FASN 3200

Not Transferable

FASN 4130 CR-3

Advanced Computer Studies in Fashion

Students will increase their visual communication skills by augmenting their Adobe Illustrator and Photoshop skills with desktop publishing software to produce professional print and electronic publications for Fashion. They will develop skills in designing and implementing a fashion webpage. They will increase their marketing skills through practicing animation software to create dynamic visual presentations. Students will integrate previous CAD skills with advanced 2D to 3D imaging software in order to test designs before sample production.

Prerequisites: FASN 2130 (B), FASN 3120, FASN 3200

FASN 4150 CR-4

Apparel in the Global Economy

Students will analyze the apparel global economy by studying international trade agreements, importing and exporting regulations, fabric testing standards, and sourcing of raw materials and production. Students will explore logistics issues such as inventory control, packaging, warehousing and transportation systems. They will create a business plan, costing scheme, quality control strategy, product specifications and production schedules according to domestic and international standards. Students will learn how to work with contractors locally and globally, including negotiating costs and terms. They will use current software such as Excel, Word and Adobe Illustrator or KaratCAD.

Prerequisites: FASN 3120

Not Transferable

FASN 4210 CR-4

Event Planning and Promotion

Students will plan and produce a fashion show as a form of promotion (self, Fashion Program and Kwantlen). They will practice a variety of professional, industry-based marketing strategies, individually and in teams, to promote previously developed apparel product. They will practice essential "behind the scenes" promotional activities such as media contacts, show styling, and professional follow-up. Students will develop and present a current cohesive brand package.

Prerequisites: FASN 4100

Co-requisites: FASN 4220 FASN 4220

FASN 4220 CR-7

Collection Production

Students will produce a collection of prototypes of professional quality as samples for a niche market. They will identify critical paths in production schedules and meet deadlines. Students will create industry-ready patterns and detailed specification packages using industry-specific software and current software for office and studio applications. They will evaluate and refine final prototypes for fit, quality, performance, and end use.

Prerequisites: FASN 3120, FASN 4100, FASN 4150

Co-requisites: FASN 4210 FASN 4210

Not Transferable

FASN 4250 CR-3

Self-Directed Study

Students will have the opportunity in their final year to integrate personal areas of interest with practice in the profession (subject to faculty approval). They will gain proficiency in entry level job knowledge and skills, as well as develop habits of independent learning through planning, researching, developing and presenting a negotiated area of fashion study.

Co-requisites: FASN 3200 and FASN 3250 FASN 3200 and FASN 3250

FINANCIAL SERVICES (FNSR)

FNSR 3350 CR-3

Securities Analysis

Students will study the central elements of the securities industry: financial products, markets and intermediaries. They will analyze different types of investment products, how they are sold and what role they play in a well-planned portfolio.

Prerequisites: ECON 1150 and ECON 1250 and (ACCT 2293 or [ACCT 1110 and 1210]) and (ACCT 1130 or BUQU 1130 or [MATH 1112 or higher])

FINE ARTS (FINA)

FINA 1100 CR-3

Introduction to Drawing

Students will learn the fundamentals of drawing in the field of visual art. They will study and practice various technical approaches to drawing. Students will focus primarily on observational drawing including still life, perspective, and the human figure.

Transferable (refer to transfer guide)

FINA 1110 CR-3**Introduction to Painting**

Students will study the fundamental materials, methods, and techniques of painting. They will practice and develop painting skills through technical and creative challenges. Students will also explore personal subjectivity in relation to historical movements and current trends in art through studio activity, lectures, and class discussions.

Co-requisites: FINA 1100 FINA 1100
Transferable (refer to transfer guide)

FINA 1130 CR-3**Ceramics I**

Students will learn fundamental processes of handling and firing ceramic materials of different sizes, thicknesses, and textures. They will work with basic techniques of clay preparation, joining, building, drying, glazing, and firing while developing personal expression through form, colour, and texture.

Transferable (refer to transfer guide)

FINA 1131 CR-3**Sculpture I**

Students will be introduced to the fundamental concepts, methods, and materials of contemporary sculpture. They will survey major movements in sculpture over the last century through slide lectures, demonstrations, and individual and group critiques. Students will integrate theory and practice through technical challenges presented by processes and materials.

Transferable (refer to transfer guide)

FINA 1135 CR-3**Introduction to Digital Media I**

Students will learn to use digital software such as Photoshop™ and Imovie™ in a lab setting. They will create artwork that emphasizes the historical and conceptual elements of digital technologies in contemporary art.

Transferable (refer to transfer guide)

FINA 1142 CR-3**Introduction to Print Media**

Students will study the historical and contemporary role of print in the field of visual arts. They will develop visual imagery by exploring conceptual interests and learning technical aspects of relief, screenprinting, and intaglio.

Transferable (refer to transfer guide)

FINA 1144 CR-3**Introduction to Printmaking**

The course will commence with the most direct and least technically complex printmaking method, collograph, and move on to the more complex methods of silk screen, relief printmaking and etching. The definition of Fine Arts prints, as opposed to reproductions, will be discussed.

Transferable (refer to transfer guide)

FINA 1145 CR-3**Monotype -The Painted Print**

Students will explore processes that combine painting and drawing with printmaking. They will investigate the interdisciplinary possibilities in these areas of study. Students will experiment with a variety of different techniques under the categories of both monotype and monoprint.

Transferable (refer to transfer guide)

FINA 1165 CR-3**Visual Language and Composition**

Students will study the fundamental principles of constructing and analyzing two-dimensional images. They will gain knowledge of the strategies necessary for creating two-dimensional space through the exploration of materials and techniques. Students will familiarize themselves with the role of the artist as a producer of meaning through the study of both historical and contemporary examples. They will explore the significance of the relationship between media, visual elements and concept in the realization of finished works.

Transferable (refer to transfer guide)

FINA 1166 CR-3**Color Theory and Practice**

Students will learn the theory and uses of color in art and the contemporary environment. Students will gain practice in color mixing and manipulating color to produce specific visual effects.

Transferable (refer to transfer guide)

FINA 1167 CR-3**Introduction to Visual Culture: Look Now!**

Students will be introduced to how we shape and are shaped by visual culture through forms such as art, video, film, and advertising. Students will be also be introduced to the role of the artist as a producer of meaning through the use of historical and contemporary examples. They will gain theoretical and practical knowledge of various approaches to viewing, understanding and making images by exploring the relationship between form, content and context. Readings, discussion, critical writing, and creative responses will enable students to better understand visual culture and its making and meaning.

Transferable (refer to transfer guide)

FINA 1170 CR-3**Introduction to Film Photography**

Students will explore conceptual and practical approaches to black-and-white photography. They will learn to operate a 35mm single-lens-reflex camera, and learn to use basic darkroom techniques. Students will study the history of photography, and contemporary photography through class critiques and lectures.

Transferable (refer to transfer guide)

FINA 1175 CR-3 (formerly FINA 1265)**Form, Structure and Materials**

Students will study the fundamental principles behind the conception and design of three-dimensional form and space within the field of contemporary art. They will explore the relationships between form, structure, and materials through a range of processes and the realization of three-dimensional objects and compositions.

Transferable (refer to transfer guide)

FINA 1180 CR-3**Introduction to Filmmaking I**

Students will be introduced to film production by exploring cinematic approaches to making digital video. Students will learn basic digital video and sound editing techniques. They will develop skills in camera lighting and sound capture techniques. Students will complete a term project, group projects and several short films. Students will explore narrative, documentary, short, art and experimental genres in film.

Transferable (refer to transfer guide)

FINA 1181 CR-3**Introduction to Filmmaking II**

Students will be introduced to film production, basic 16mm film editing techniques, and will develop skills in camera operation and lighting techniques. They will produce a term project, group projects and several short film projects. Students will explore narrative, documentary, short, art and experimental genres in film.

Transferable (refer to transfer guide)

FINA 1200 CR-3**Drawing II**

Students will investigate both traditional and non-traditional strategies for creating art through drawing. They will practice the fundamentals of drawing while expanding their artistic expression in relation to contemporary art.

Prerequisites: FINA 1100

Transferable (refer to transfer guide)

FINA 1210 CR-3**Painting II**

Students will focus on the fundamental materials, methods, and issues of contemporary painting. They will also develop their abilities to complete projects in an innovative and creative manner.

Prerequisites: FINA 1110

Transferable (refer to transfer guide)

FINA 1230 CR-3**Ceramics II**

Students will review and reinforce skills and develop them to a higher degree of sophistication and complexity. They will focus on developing complete control of the medium at this level and will accept more responsibility for firing. Students will search for unusual approaches to, and ways of, using ceramic materials and will work toward defining their own personal style.

Prerequisites: FINA 1130

Transferable (refer to transfer guide)

FINA 1231 CR-3**Sculpture II**

Students will build on concepts and materials introduced in Sculpture I and will investigate and debate a blend of traditional and non-traditional strategies for making sculpture. They will be introduced to new processes and materials to reflect the complex nature of contemporary sculptural practice and will participate in slide lectures, demonstrations, and individual and group critiques. Students will also use local resources such as libraries, galleries, and museums.

Prerequisites: FINA 1131

Transferable (refer to transfer guide)

FINA 1235 CR-3**Introduction to New Media II**

Students will expand their knowledge of various digital software such as Photoshop™, Final Cut Express™, Director™ and Flash™. They will apply these programs to create artwork that will encompass digital stills, online work, installation, video and sound. Students will also learn to locate contemporary digital practices within the broader history of cultural production.

Prerequisites: FINA 1135

Transferable (refer to transfer guide)

FINA 1237 CR-3**Issues in Photography**

Students will study issues in photography from its invention in the 19th Century to the digital imaging of the present. Within the context of contemporary critical theory, they will explore meanings in various photographic genres including snapshots, documentary, advertising, and fine art.

Prerequisites: One of FINA 1120, FINA 1121, FINA 1122, FINA 1124, FINA 1126, FINA 1147, FINA 1222, or One of ARTH 1120, ARTH 1121, ARTH 1126, or One of ENGL, HIST, or POLI 1100 or higher

Transferable (refer to transfer guide)

FINA 1242 CR-3**Print Media II**

Students will explore a wide variety of techniques in both intaglio and screenprinting including photographic and digital imaging. They will explore the potentials of mixed media prints on different surfaces in two- or three-dimensional structures. Students will also develop their conceptual interests and visual language through assigned projects and class discussions.

Prerequisites: FINA 1142

Transferable (refer to transfer guide)

FINA 1270 CR-3**Photography II**

Students discuss and develop a body of photo-based works, which explore issues related to concepts and visual representations in photography. They will study works of past and contemporary artists and explore photography as art. Students will learn alternative processes in black and white, archival printing techniques, and basic digital manipulations in photography.

Prerequisites: FINA 1170

Transferable (refer to transfer guide)

FINA 2111 CR-3**Professional Practices**

Students will study professional issues and practices useful to visual artists, arts administrators, and cultural workers in the field of art. They will focus on developing skills relating to portfolio development and documentation, grant proposals, and curriculum vitae writing and acquiring knowledge towards issues including copyright law, promotional practices, and art institutions.

Prerequisites: 6 credits of FINA 1100-level course and ENGL 1100

Transferable (refer to transfer guide)

FINA 2135 CR-3**Digital Media: Design in Contemporary Art**

Students will learn to work with Adobe Illustrator™ software to create vector based artwork. They will expand their knowledge of digital software such as Photoshop™. They will apply these programs to create artwork that will encompass digital stills, an artist book and online work. Students will also learn to locate contemporary digital practices in the context of contemporary cultural production.

Prerequisites: FINA 1135 or permission of the instructor

Transferable (refer to transfer guide)

FINA 2147 CR-3**Issues in Contemporary Art I**

Students will study theoretical issues relevant to the production and reception of visual art and popular culture in the last 35 years, including debates around semiotics, modernism/postmodernism, feminism(s), postcolonialism, and the attendant politics of identities produced through structures of race, class, gender and sexual preferences/practices. Students will examine the emergence of new technologies and their use in art practices. Students will visit exhibition venues, including public museums and galleries, commercial galleries and artist run centres.

Note: This is a seminar-based course.

Prerequisites: ARTH 1120 and 1121 and FINA 1167 and ENGL 1100 or by permission of the instructor NOTE: Students may earn credit for only one of FINA 2147 and CUST 2147 as they are identical courses.

Transferable (refer to transfer guide)

FINA 2170 CR-3 (formerly FINA 1270)**Intermediate Film Photography**

Students will continue to develop and expand their knowledge of black-and-white film techniques and digital camera techniques, in addition to learning archival print processing, film scanning, digital manipulation, and studio lighting. Students continue to explore contemporary issues by viewing and analyzing photography as art. Students will develop a coherent body of work that reflect critical thought, contemporary art practices, issues and theory.

Prerequisites: FINA 1170

Transferable (refer to transfer guide)

FINA 2235 CR-3**Digital Media: Interactive Art on the Web**

Students will expand their knowledge of various digital software such as Photoshop™, Dreamweaver™, Director™ and Flash™. They will apply these programs to create artwork that will encompass digital stills, online work, installation, video and sound. Students will also learn to locate contemporary digital practices within the broader history of cultural production.

Prerequisites: FINA 1135

Transferable (refer to transfer guide)

FINA 2270 CR-3**Digital Photography**

Students will explore digital photography as an artistic medium. Students will learn Photoshop™ skills for photographers and digital darkroom techniques. Student attention will be placed on the development of personal work and refining technical skills. Students will develop a knowledge of contemporary visual arts practices in digital imaging and photography. Students will focus on critical content in personal work and learn to see their own work in relation to current issues and contexts in art. Students must have a digital camera and basic computer experience to enroll in this class.

Transferable (refer to transfer guide)

FINA 2300 CR-3**Advanced Drawing I**

Students will focus on developing their abilities to respond, in a personal and creative way, to the challenges of assignments. They will investigate and research alternative forms of expression as they develop and re-evaluate their work. To assist in this investigation, students will study contemporary trends in art and various artistic practices, both current and historical.

Prerequisites: FINA 1200

Transferable (refer to transfer guide)

FINA 2310 CR-3**Advanced Painting Studio I**

Students will develop their abilities to respond in a self-directed manner to the challenges of painting assignments. They will investigate and research alternative forms of expression as they develop and re-evaluate their work. Students will study contemporary trends in art and various artistic practices, both current and historical, to assist in this process.

Prerequisites: FINA 1210

Transferable (refer to transfer guide)

FINA 2330 CR-3**Ceramics III**

Students will build on existing skills and engage in personal research, experimentation and self-directed learning. They will use additional techniques such as slip casting and mural tile production with the goal of developing greater expression, originality, and a defined personal style.

Prerequisites: FINA 1230

Transferable (refer to transfer guide)

FINA 2331 CR-3**Sculpture III**

Students will build on the materials and concepts explored in Sculpture I and Sculpture II. They will further develop and be challenged with projects which address craft, process, concepts, and materials. They will explore contemporary sculpture practices including the creation of independent sculptures and sculptural installations. Students will work within a framework of thematic and site-specific projects. They will explore assignments centered on advanced uses of the studio.

Prerequisites: FINA 1231

Transferable (refer to transfer guide)

FINA 2335 CR-3**Digital Media: Video and Installation**

Students will expand their knowledge of various digital software such as Imovie™ and Photoshop™. They will also learn to use digital video software such as Final Cut Express™ in a lab setting. They will apply these programs to create artwork that will encompass online work, installation, video and sound. Students will also learn to locate contemporary digital practices within the broader history of cultural production

Prerequisites: FINA 1135 or permission of the instructor

Transferable (refer to transfer guide)

FINA 2342 CR-3**Print Media III**

Students will continue to explore different techniques in both intaglio and screenprinting. They will investigate and research the possibilities of interdisciplinary approach to print in contemporary print context. Students will also develop their conceptual interests and visual language through assigned and self-directed projects.

Prerequisites: FINA 1242

Transferable (refer to transfer guide)

FINA 2370 CR-3**Photography III**

Students will study current themes and issues pertaining to contemporary photography. They will use various format cameras and photographic techniques to produce both digital and manual work. Students will work collaboratively to produce mural photography, and narrative and non-linear photographic sequences. They will produce a body of photo-based works that communicate personal concepts and ideas.

Prerequisites: FINA 1270

Transferable (refer to transfer guide)

FINA 2371 CR-3**Photo-based Alternative Processes & Installation**

Students will work with photo-based methods and techniques that go beyond the conventional photographic print by exploring a variety of contemporary photo-based practices, including alternative, antique and experimental approaches. The students will develop skills in wet, dry and mixed media photo-based techniques, working with original and found images to produce projects and installations.

Note: No prior photography experience is required. It is recommended that students have access to their own digital or film camera.

Prerequisites: Any 6 credits of FINA 1100 level courses or higher

Transferable (refer to transfer guide)

FINA 2400 CR-3**Advanced Drawing II**

Students will pursue and define their own personal approach to drawing in the field of contemporary art. They will conduct research and complete both assigned and self-directed projects. Students will lead discussions and critique the work of contemporary artists, as well as the work of their peers.

Prerequisites: FINA 2300

Transferable (refer to transfer guide)

FINA 2410 CR-3**Advanced Painting Studio II**

Students will pursue and define their own approach to painting in the field of contemporary art. They will conduct research and complete both assigned and self-directed projects. Students will lead discussions and critique the work of contemporary artists, as well as the work of their peers.

Prerequisites: FINA 2310

Transferable (refer to transfer guide)

FINA 2430 CR-3**Ceramics IV**

Students will concentrate on the integration of ceramic forms, surfaces, and materials in the development of a personal style and will aim for originality and expressiveness. They will set many of their own objectives within the framework of specific assignments and learn advanced firing techniques.

Prerequisites: FINA 2330

Transferable (refer to transfer guide)

FINA 2431 CR-3**Sculpture IV**

Students will work with the material and technical possibilities afforded by the sculpture studios to develop independent projects under supervision of the instructor. The student and instructor will agree on timelines, material and conceptual research, and a detailed series of questions guiding the students' inquiry. Students will initiate their own body of research and work closely with the instructor to develop work that encompasses a strong conceptual element as well as a focused material exploration. They will prepare for and generate class discussions.

Prerequisites: FINA 2331

Transferable (refer to transfer guide)

FINA 2442 CR-3**Print Media IV**

Students will specialize in one or more print media to develop a portfolio of works. Building on independent work habits, students will examine ideas and practices in contemporary print media through assigned and self-initiated projects. They will investigate the possibilities of extending print media into multi-media prints, print-based installation or other art forms. They will develop an increased insight into their work and will improve their ability to articulate conceptual and critical issues in class discussions.

Prerequisites: FINA 2342

Transferable (refer to transfer guide)

FINA 3100 CR-3**Advanced Studio Practice and Seminar I**

Students will pursue and define individual and collaborative approaches to their art practice. They will be expected to develop artwork based on thematic assignments with the goal of understanding their own practice in relation to contemporary art production. Students are required to identify an area of practice to be developed. To assist in this investigation, students will study trends in art and various artistic practices, both contemporary and historical.

Prerequisites: (FINA 1167, 1175, 1200, and 2147) and (Any other 6 credits of FINA 2000 level courses) and (ARTH 1120 and 1121) and (Any 3 credits of ARTH 1130, 2122, 2124, 2126 or 2222) and ENGL 1100

Transferable (refer to transfer guide)

FINA 3110 CR-3

Introduction to Curatorial Studies

Students will be engaged in discussions and workshops around various aspects of working in museum or gallery environments. They will explore the issues and procedures of mounting an exhibition which include organization, documentation, curatorial responsibilities, financial and budgetary matters, ethical and legal implications, and conservation of artwork. They will visit public art galleries and museums, artist-run centres, and alternative art exhibitions to analyze and respond to the theme and genre for those venues. Students are required to organize and curate an exhibition

Prerequisites: (Any 6 credits of FINA 2300, FINA 2310, FINA 2330, FINA 2331, FINA 2335, FINA 2342, FINA 2370 or FINA 2400) and (FINA 1120 or FINA 1121 or FINA 1147 or ARTH 1120 or ARTH 1121) and ENGL 1100

Transferable (refer to transfer guide)

FINA 3111 CR-3 (formerly FINA 2111)

Professional Practices

Students will study professional issues and practices useful to visual artists, arts administrators, and cultural workers in the field of art. They will focus on developing skills relating to portfolio development and documentation, grant proposals, and curriculum vitae writing, and acquiring knowledge towards issues including copyright law, promotional practices, and art institutions.

Prerequisites: (Any 6 credits of FINA 2300, 2310, 2330, 2331, 2335, 2342, 2370 or 2400) and (FINA 1120 or 1121 or 2147 or ARTH 1120 or 1121) and ENGL 1100

Transferable (refer to transfer guide)

FINA 3112 CR-3

Public Art: Theory and Practice

Students will explore, both in theory and in practice, the questions raised by public art. They will study the solutions offered by artists working in the field as well as the critical issues surrounding its diverse audience. Students will create a public art proposal exploring model making and other presentation methods for review by their peers.

Prerequisites: (Any 6 credits of FINA 2300, FINA 2310, FINA 2330, FINA 2331, FINA 2335, FINA 2342, FINA 2370 or FINA 2400) and (ARTH 1120 or ARTH 1121 or FINA 1120 or FINA 1121 or FINA 1147) and ENGL 1100

Transferable (refer to transfer guide)

FINA 3113 CR-3

Subversive Art

Students will examine critically subversive intentions of art practices that "talk back" to dominant culture, including institutions of art and art history. Students will apply a critical point of view in their own contemporary art practices to critique social, cultural or art institutions, working in traditional art media and/or other formats such as digital media, performance, zines, graphic novels, street art (postering, stencilling, etc.) Students will also focus their studio practice through assigned readings, discussions and writing.

Note: Students may earn credits for only one of FINA 3113 or FINA 3202 Special Topic: Subversive Art.

Prerequisites: ENGL 1100, and any 6 credits of (2000-level FINA courses), and one of (ARTH 1120, ARTH 1121 or FINA 2147)
Not Transferable

FINA 3131 CR-3

Wall Works

Students will study the processes and ideas surrounding the creation of sculptural works for the wall. Students will explore low and high relief sculpture, ranging from the abstract to the representational. They will also learn to understand contemporary art practice of developing personal compositions and integrated architectural works, through conducting independent research.

Prerequisites: (FINA 1175) and (Any 3 credits of FINA 2300, 2310, 2330, 2331, 2335, 2342, 2370 or 2400) and (FINA 1120 or 1121 or 2147 or ARTH 1120 or 1121) and ENGL 1100

Not Transferable

FINA 3133 CR-3

Forming Stories

Students will study clay modeling, mold-making, sculpture, and casting as it relates to narration in contemporary sculpture. Students will specifically research and develop stories, using historical examples as a starting point, that can be translated visually and materially through the form, structure and surface of clay. They will then further transform these narrative, modeled sculptures through the process of mold-making and casting.

Prerequisites: (FINA 1175) and (Any 3 credits of FINA 2300, 2310, 2330, 2331, 2335, 2342, 2370 or 2400) and (FINA 1120 or 1121 or 2147 or ARTH 1120 or 1121) and ENGL 1100

Not Transferable

FINA 3135 CR-3

Advanced Digital Media: Open Studio 1

Students will pursue and define individual and collaborative approaches to their digital art practice. They will develop artwork based on thematic assignments with the goal of understanding their own practice in relation to contemporary art production. Students will work in a number of digital medias such as Photoshop™, Illustrator™, Dreamweaver™, Flash™, Premiere Pro™ and After Effects™.

Prerequisites: FINA 2235 or FINA 2335 or permission of the instructor

Transferable (refer to transfer guide)

FINA 3147 CR-3

Issues in Contemporary Art II

Students will expand their knowledge of issues in the field of contemporary art. They will explore principles of critical and cultural studies that inform contemporary art praxis.

Students will actively participate in this seminar-based course, which is structured around a series of required readings and facilitated discussions, supplemented by relevant slides, video and digital materials. Students will also go on local field trips to galleries, museums and artist-run centres.

NOTE: Students may earn credit for only one of FINA 3147 and CUST 3147 as they are identical courses.

Prerequisites: FINA 2147/CUST 2147 or ARTH 2122 or ARTH 2222 or ANTH 2120

Transferable (refer to transfer guide)

FINA 3150 CR-3**Telling Lies Again - Making Narrative Art**

Students will explore various approaches to creating narrative imagery through painting and drawing. They will apply both contemporary and historical strategies to storytelling in single-scene and serial formats. Students will examine the gap between text and visual imagery through their own work as well as in class readings and group critiques.

Note: Credit will not be given for both FINA 3202 Special Topics in Studio Arts: Telling Lies Again - Making Narrative Art and FINA 3150 Telling Lies Again - Making Narrative Art.

Prerequisites: FINA 1167, 2300, 2310 and ARTH 1120, 1121 and ENGL 1100 or by permission of the instructor
Not Transferable

FINA 3170 CR-3**Advanced Film Photography**

Students will continue to expand on their knowledge of film photography as an art practice and focus on developing a cohesive body of work that reflects critical thought, contemporary art issues and theory. Students will be introduced to large format photography, advanced darkroom techniques and professional large scale fine art printing, while continuing to refine their colour, black and white, medium format photography and lighting skills. Student will focus on the development of personal work and technical skills through both assigned and self-directed projects.

Prerequisites: FINA 1170 and (FINA 1270 or FINA 2170 or FINA 2270)
Not Transferable

FINA 3200 CR-3**Advanced Studio Practice and Seminar II**

Students will continue to pursue and define individual and collaborative approaches to their art practice and writing skills. They will be expected to develop artwork based on thematic assignments and also to identify an area of independent, self-directed work with the goal of understanding their own practice in relation to contemporary art production. To assist in this investigation, students will study trends in art and various artistic practices, both contemporary and historical.

Prerequisites: FINA 3100 or by permission of instructor
Not Transferable

FINA 3201 CR-3**Artistic Practice In The Community**

Students will study the various forms and methods of introducing art, and issues surrounding art, into the community. They will formulate a plan and initiate an individual or group driven, community-based project, for which guidelines will be varied and tailored to each student's interests in the arts. Students might choose a commercial art project, long-term volunteer or committee work in the arts, a public art project, developing and teaching workshops, giving docent tours, and performing non-profit work relating to the arts.

Prerequisites: [FINA 3112 or (Any 6 credits of FINA 2300, FINA 2310, FINA 2330, FINA 2331, FINA 2335, FINA 2342, FINA 2370 or FINA 2400)] and (FINA 1120 or FINA 1121 or FINA 1147 or ARTH 1120 or ARTH 1121) and ENGL 1100)
Transferable (refer to transfer guide)

FINA 3202 CR-3**Special Topics in Studio Arts**

Students will engage in an intensive study of a special topic in studio arts chosen by the instructor. They will study the techniques of a particular art process and/or consider a topic from a specific thematic or conceptual approach.

Prerequisites: (Any 6 credits of FINA 2300, FINA 2310, FINA 2330, FINA 2331, FINA 2335, FINA 2342, FINA 2370 or FINA 2400)] and (FINA 1120 or FINA 1121 or FINA 1147 or ARTH 1120 or ARTH 1121) and ENGL 1100
Transferable (refer to transfer guide)

FINA 3235 CR-3**Advanced Digital Media: Open Studio 2**

Students will develop a substantial body of work based on personal research, with the goal of articulating their digital art practice in relation to contemporary art production. They will be required to identify an area of practice to be developed, which could include experimentation and innovation in different digital media such as Photoshop™, Illustrator™, Flash™, Premiere Pro™, Final Cut Pro™ and After Effects™. Students will also focus their studio practice critically through reading, research and writing.

Prerequisites: FINA 3135
Transferable (refer to transfer guide)

FINA 3270 CR-3**Advanced Digital Photography**

Students will expand on their knowledge of digital photography as an artistic medium and focus on the critical content in personal work through both assigned and self-directed projects. Students will refine their Photoshop™ skills for photographers, learn advanced digital darkroom techniques and be introduced to large scale fine art printing. Students will focus on the development of personal projects, leading to a cohesive body of work. Students will develop and analyze their own work and the work of their peers in the context of contemporary visual arts practices and theory in digital imaging, art and photography.

Prerequisites: (FINA 1170 and 2270) or [FINA 1170 and (one of FINA 1270 or 2170) and FINA 1135]
Not Transferable

FINA 3280 CR-3**Performance Art I**

Students will be introduced to performance art through a variety of approaches including live performance, group collaborations, sound work and performance for video and still images. They will explore the possibilities of interdisciplinary and ephemeral art forms through performance and body art practices. Students will develop knowledge of contemporary visual arts practices and become familiar with the history of performance art. Students will focus on critical content in their own personal work and learn to recognize current issues and contexts in art.

Note: This is a studio seminar. Credit will not be given for both FINA 3280 and FINA 3202 - Special Topics: Performance Art.

Prerequisites: ENGL 1100 and 6 credits of (2000-level FINA courses), and one of (ARTH 1120 or 1121 or FINA 2147)
Not Transferable

FINA 3380 CR-3**Performance Art II**

Students will develop advanced personal approaches to performance art and conduct research for both assigned and self-directed projects. Students will develop and analyze their work and the work of their peers in the context of contemporary visual art and the history of performance art. They will refine the critical content in their personal work in relation to current issues and contexts in art.

Prerequisites: FINA 3280 or FINA 3202

Not Transferable

FINA 4300 CR-6**Advanced Studio Practice and Thesis I**

Students will begin to develop a body of work in relation to their personal research. They are required to identify an area of practice to be developed, along with experimentation and innovation in different media and materials. Students will also focus their studio practice critically through reading, research and writing.

Prerequisites: FINA 3200 and (Any 6 credits ARTH 3000 or 4000 level) and (Any other 6 credits FINA 3000 level)

Transferable (refer to transfer guide)

FINA 4400 CR-6**Advanced Studio Practice and Thesis II**

Students will develop a substantial body of work based on personal research, with the goal of articulating their practice in relation to contemporary art production. They are required to identify an area of practice to be developed, which could include experimentation and innovation in different media and materials. Students will create a culminating body of work accompanied by a written thesis in which the intentions of the work are articulated and theorized.

Prerequisites: FINA 4300 or by permission of the instructor

Not Transferable

FOUNDATIONS IN DESIGN (FIND)**FIND 1100 CR-3****Design Processes, Methods and Materials**

Students will study basic design processes, methods and materials common to a variety of design disciplines. They will plan, produce and present creative solutions to design problems in two and three dimensions.

FIND 1110 CR-3**Drawing for Design**

Students will develop drawing and rendering skills to communicate two- and three-dimensional objects. They will explore drawing (sketching, rapid visualization, perspective systems, and scaling and rendering techniques) in order to develop and convey ideas for design-related projects.

FIND 1120 CR-3 (formerly IDDS 1162)**Design History 1**

Students will develop an understanding of the evolving role of design from antiquity to the mid-19th century through research, analyses, discussions, presentations, and project work. They will examine design in the context of world cultures and will consider how historical events, political ideologies, belief systems, and other social and cultural factors have influenced and shaped design.

FIND 1130 CR-3 (formerly IDDS 1163)**Design Explorations**

Students will examine design-related issues, theories and practices as a basis for expanding their knowledge of the field of design. They will participate in seminar discussions and project work to promote communication, research, team building, and critical thinking. Students will also investigate opportunities for continuing design studies and potential career options.

FIND 1140 CR-3 (formerly IDDS 1164)**Colour Theories**

Students learn colour theories and explore their application within design contexts. They will review and examine the physical characteristics, psychological effects, and the cultural and social implications of colour.

FIND 1150 CR-3 (formerly IDDS 1165)**Designing for Humanity**

Students will examine the relationship between design decisions, humanity and current and historical environmental issues. They will understand the way design impacts individuals, society and the environment through research, case studies and field trips. Students will also investigate such things as over-packaging, built-in obsolescence, toxic materials and sustainable development.

FIND 1160 CR-3 (formerly IDDS 1166)**Communication through Visual Language**

Students will explore the historical, theoretical and contextual developments of signs and symbols (semiotics) as they relate to visual language. They will study the concepts, theories and roles text and images play in contemporary visual information and communication across a variety of design disciplines.

FIND 1200 CR-3 (formerly IDDS 1260)**Two-Dimensional Design**

Students will design solutions for a series of comprehensive, two-dimensional projects that emphasize the development of creative conceptualization and problem-solving skills relating to a range of design disciplines. They will create designs for a variety of contexts and will utilize diverse mediums, materials and presentation methods.

Prerequisites: FIND 1100 and FIND 1110 or IDDS 1160 and IDDS 1161

FIND 1210 CR-3 (formerly IDDS 1261)**Three-Dimensional Design**

Students will apply creative conceptualization and problem-solving skills to comprehensive three-dimensional design projects. They will explore principles and processes, mediums and materials as well as three-dimensional modeling techniques and presentation methods relating to a range of design disciplines.

Prerequisites: FIND 1100 and FIND 1110 or IDDS 1160 and IDDS 1161

FIND 1220 CR-3 (formerly IDDS 1362)**Interdisciplinary Design History II**

Students will examine developments in visual design from the Industrial Revolution to the present day, primarily in the context of the Western world. They will study concepts from design and fine arts history, sociology, and cultural anthropology that influence design movements, designers, and consumers of design.

FIND 1230 CR-3 (formerly IDDS 1363)**Drafting For Design**

Students will learn to produce drawings using computer assisted drafting software relating to a variety of design disciplines. They will create two- and three-dimensional drawings that will communicate design ideas visually through a variety of design projects.

FRENCH (FREN)**FREN 1100 CR-3****French for Beginners I**

Students will use the communicative approach to develop basic oral, listening, reading, and writing skills in French while exploring Francophone cultures.

Transferable (refer to transfer guide)

FREN 1101 CR-3**French for Beginners II**

Students will use the communicative approach to build on basic skills and continue to develop oral, listening, reading, and writing skills while further exploring Francophone cultures.

Prerequisites: FREN 1100, or French 11 (with a C or better), or assessment by instructor

Transferable (refer to transfer guide)

FREN 2200 CR-3 (formerly FREN 1105)**Intermediate French I**

Students will build on previously acquired listening, speaking, reading, and writing skills. They will continue developing interpersonal and intercultural communication skills while further exploring Francophone cultures.

Prerequisites: FREN 1101, or French 11 (with a B or better), or French 12 (with a C or better), or assessment by instructor

Transferable (refer to transfer guide)

FREN 2201 CR-3 (formerly FREN 1106)**Intermediate French II**

Students will reinforce and expand previously acquired listening, speaking, reading, and writing skills. They will continue developing interpersonal and intercultural communication skills while further exploring Francophone cultures.

Prerequisites: FREN 2200 (formerly FREN 1105), or French 12 (with a B or better), or assessment by instructor

Transferable (refer to transfer guide)

FREN 2220 CR-3**French Oral Skills**

Students will consolidate oral and listening skills at an intermediate level of proficiency. Students will enrich their vocabulary through structured and meaningful practice while exploring the cultures of the French speaking world and discussing current events.

Prerequisites: FREN 2201 or assessment by instructor

Transferable (refer to transfer guide)

FREN 3100 CR-3**French Oral & Writing Skills**

Students will enhance their oral and written skills in French at an upper-intermediate level of proficiency. Students will expand their oral proficiency through a broad range of activities using authentic materials based on current events and popular culture from the Francophone world. Students will also consolidate their writing skills through the study and review of complex grammatical structures, specialized vocabulary, idiomatic expressions, and style.

Prerequisites: FREN 2201 or FREN 2220 or French 12 immersion or assessment by instructor

Transferable (refer to transfer guide)

FREN 3300 CR-3 (formerly FREN 1110)**Upper Intermediate French I**

Students will consolidate the foundations established in earlier courses and will increase proficiency in all language skills at an upper-intermediate level. They will focus on complex grammatical structures and specialized vocabulary. Students will read and discuss the works of Francophone writers and journalists, as well as analyze contemporary Francophone movies.

Prerequisites: FREN 3100 or assessment by instructor

Transferable (refer to transfer guide)

FREN 3301 CR-3 (formerly FREN 1210)**Upper Intermediate French II**

Students will further consolidate the foundations established in earlier courses and increase proficiency in all language skills at an upper-intermediate level. They will continue their advanced study of complex grammatical structures and specialized vocabulary. They will read and discuss the works of Francophone writers and journalists, as well as analyze contemporary Francophone movies.

Prerequisites: FREN 3300 or assessment by instructor

Transferable (refer to transfer guide)

FREN 3305 CR-3 (formerly FREN 2205)**French Through the Media**

Students will enhance their knowledge of written and spoken French and will develop their understanding of contemporary Francophone societies through discussions and analyses of current political, economic, scientific and cultural events as covered in French language mass media.

Prerequisites: FREN 2201 (formerly FREN 1106) or assessment by instructor

FREN 3600 CR-3**French for Future and Current French Teachers**

Students will develop competence and confidence in their communicative and writing skills, especially in a classroom environment. Students will try to master the grammatical structures and vocabulary of the French language which are necessary to express opinions both in writing and orally, and to be able to participate in discussions in a convincing manner.

Note: This course is designed for non- Francophone present and future French teachers.

Prerequisites: French 2201 or assessment from the instructor
Not Transferable

G

GEOGRAPHY (GEOG)

GEOG 1101 CR-3

Human Geography

Students will examine the nature and diversity of human geography, which attempts to describe and understand the spatial characteristics of human population change, distribution and settlement, social-cultural interaction, and economic activities. Students will also learn how the natural environment facilitates or constrains these activities and how human activities in turn affect the natural environment. They will learn and apply basic cartographic, qualitative and quantitative techniques commonly used in human geography.

Transferable (refer to transfer guide)

GEOG 1110 CR-3

Atmospheric Science

Students will apply basic scientific principles to study the atmosphere, examine weather processes, and describe patterns of climate worldwide. They will study the flows and transfer of energy and water to and from the Earth's surface. They will examine the integration of a variety of atmospheric phenomena ranging from microscale weather events, such as local convection and clouds with vertical development, to macroscale frontal systems, wind belts, and general air mass circulation. Students will also discuss evidence and theories concerning long term climate change. Students will learn and apply a variety of quantitative and qualitative techniques commonly used in Geography.

Transferable (refer to transfer guide)

GEOG 1120 CR-3

Earth Science

Students will examine the origin, composition, and evolution of the Earth through a study of its rocks and minerals, the geologic time scale, the role of tectonic processes in creating and modifying continents, volcanism, and seismic activity. Students will also examine how the Earth's surface has been modified by weathering and erosion through fluvial (stream), glacial, aeolian, coastal, and slope processes. They will apply this knowledge to understanding local landscapes and the human impact on them. Students will be introduced to a variety of cartographic, quantitative, and qualitative techniques used by geographers.

Transferable (refer to transfer guide)

GEOG 1160 CR-3

Geography of British Columbia

Students will examine the evolution of regional patterns of socio-economic growth and development in British Columbia from a geographical perspective. They will examine how the physical environment facilitates or constrains the economic and social development of British Columbia. Students will also investigate contemporary issues such as natural resource conservation, socio-economic development, urbanization, and life in the rural areas.

Transferable (refer to transfer guide)

GEOG 2140 CR-3

Regional Geography of Canada

Students will examine the evolution of physical and human environments, and regional patterns of socioeconomic development in Canada, from a geographical perspective. They will analyze and critically comment on interactions between regions within Canada, on patterns of trade, immigration, and other activities within national, continental, and international contexts, and on possible futures for Canada and its regions.

Transferable (refer to transfer guide)

GEOG 2170 CR-3

Regional Geography of Europe

Students will examine the physical and human geography of the countries of Eastern and Western Europe. They will examine the roles played by the physical, cultural and economic resources in the development of the region.

Prerequisites: GEOG 1101 (HIST 1101 strongly recommended)

Transferable (refer to transfer guide)

GEOG 2185 CR-3 (formerly GEOG 1185)

Regional Geography of East Asia

Students will examine the physical and human environments of East Asia, including China, Hong Kong, Taiwan, Japan, and North and South Korea, from a geographical perspective. They will analyze and critically comment on the roles played by physical, cultural, and economic resources in the development of this region. They will examine the present interactions between the countries of this region within national and international contexts and consider possible futures for this region.

Transferable (refer to transfer guide)

GEOG 2190 CR-3 (formerly GEOG 1190)

Regional Geography of South Asia

Students will explore the physical and human geography of South Asia. They will examine South Asia's landforms, climate, settlement, population, historical geography, economic activities, and cultural landscapes. Students will gain an understanding of the major geographical patterns, processes, issues, and problems of South Asia.

Transferable (refer to transfer guide)

GEOG 2250 CR-3

The City

Students will study cities as distinctive spaces of human settlement. They will investigate the early origins of cities and the process of urbanization as it has unfolded over the course of human history. Students will explore spatial and temporal variations in urban function, urban form, and urban social organization. They will examine how these characteristics of cities are influenced by, and in turn shape, natural environmental conditions, technological innovations, economic development, demographic trends, and political organization. Students will apply the concepts of urban geography to understand cities around the world and, in particular, the landscape of metropolitan Vancouver.

Prerequisites: 9 credits of 1100 level or higher

Transferable (refer to transfer guide)

GEOG 2310 CR-3**Climatology**

This course applies scientific principles and methods to climatological processes. The study investigates concepts such as the radiation and energy balance, lapse rates and stability, water budgets and general circulation modeling as well as forecasting and climatic change.

Prerequisites: GEOG 1110 (C) and GEOG 1120 (C)

Transferable (refer to transfer guide)

GEOG 2320 CR-3**Geomorphology**

Students will examine geological and environmental processes that sculpt, modify, and erode landforms at the Earth's surface. They will focus on processes taking place in or on slopes, streams, soils, groundwater, and glacial environments. Students will also examine the interrelationships between human activities and environmental degradation.

Prerequisites: GEOG 1120

Co-requisites: GEOG 1110 GEOG 1110

Transferable (refer to transfer guide)

GEOG 2340 CR-3**Biogeography**

Students will examine the past and present geographic distribution of wild plants and animals. They will study terms and theories applicable to biogeography, and the systems used to classify wild animals and plants. Students will investigate the various factors that influence the spatial and temporal patterns in the distribution of the earth's biomes, as well as the evolution and extinction of species. They will examine the impacts of humans on the biosphere, and human awareness of, and responses to, these impacts

Prerequisites: GEOG 1110 and GEOG 1120

Transferable (refer to transfer guide)

GEOG 2380 CR-3**Qualitative Methods in Geography**

Students will learn and apply qualitative methods of information gathering, interpretation, and presentation. They will consider past and present usage of these methods in geography, and the ethical and practical considerations which guide qualitative approaches. They will practice a range of qualitative methods of information gathering and analysis, such as archival research, discourse analysis, questionnaires, and interviews. Students will also practice written, graphical, and oral methods of qualitative information communication and dissemination. They will consider the importance of these qualitative skills to their academic, professional, and social lives.

Prerequisites: 9 credits of 1100 level or higher

Transferable (refer to transfer guide)

GEOG 2390 CR-3**Quantitative Methods in Geography**

Students will explore techniques for describing, visualizing, and analyzing quantitative data in geography. They will examine the application of descriptive and inferential statistical methods with particular attention to issues concerning spatial data. Students will develop basic proficiency using industry-standard computer software.

Prerequisites: 18 credits at the 1100 level or higher

Transferable (refer to transfer guide)

GEOG 2400 CR-3**Introduction to GIS**

Students will explain the basic theory of Geographic Information Systems (GIS) and apply GIS concepts to practical problems in geography at an introductory level. They will discuss a range of GIS technical issues, apply GIS operations using a popular desktop GIS software package, and through these applications improve their skills in designing and creating appropriate graphics

Prerequisites: 3 credits GEOG 1100-level or higher

Transferable (refer to transfer guide)

GEOG 3120 CR-3**Space Economies**

Students will critically examine the location and distribution of economic activities with particular emphasis at the urban scale. They will examine the unequal distribution of economic activity around the world and discuss processes of globalization and development. They will analyze theories explaining the location of natural resource industries, manufacturing and services, and changes in local and regional economies. Students will critically evaluate relationships among urban land use, transportation infrastructure, and environmental sustainability.

Prerequisites: 18 credits of 1100 level, or higher, courses including GEOG 1101 or ECON 1101

Not Transferable

GEOG 3130 CR-3**Society and Urban Space**

Students will examine society from a geographic, or 'spatial' perspective, with particular attention to the urban setting. They will explore how various facets of social identity such as race, ethnicity, disability, class, gender/sexuality, family status, age, and criminality, are expressed in the landscape. They will also examine how identities are shaped, and social relations influenced, by the organization of space. Students will explore and evaluate positions on a variety of related urban issues, such as housing affordability, gentrification, accessibility, crime prevention, and residential segregation. They will conduct research that addresses a contemporary social geographic issue in metropolitan Vancouver.

Prerequisites: 18 credits of 1100 level or higher, including GEOG 1101 or SOCI 1125

Transferable (refer to transfer guide)

GEOG 3220 CR-3**Urban Politics and Planning**

Students will examine the political organization of city space. They will study the development of municipal political jurisdiction, municipal electoral politics, and local/community-based political movements. Students will also explore the development of modern city planning, with particular attention to the development, principles, and practices of land use zoning, transportation planning, and social planning. They will focus on urban politics and planning in Canada, and compare Canadian practices with those in other countries. They will conduct research that addresses a contemporary political geographic issue in metropolitan Vancouver.

Prerequisites: 18 credits of 1100 or higher, including GEOG 1101, POLI 1125 or POLI 1123

Transferable (refer to transfer guide)

GEOG 3240 CR-3**Development and Globalization**

Students will examine the implications for development of the increasing interconnectedness of economic activity, using the region as a unit of analysis. They will examine development as a multifaceted and complex process of social, cultural, political and economic change, and will explore theories of how and where development occurs. Students will examine relationships between rich and poor countries with attention to how links between regions have changed over time. They will pay particular attention to relationships between the multinational corporation and the state in the context of long-run technological change.

Prerequisites: GEOG 2120 and 18 credits of any 1100-level or higher courses

Transferable (refer to transfer guide)

GEOG 3260 CR-3**Geographic Thought**

Students will critically examine the perspectives, concepts, theories, and methodologies characteristic of geographic thought and the discipline of Geography. They will survey the historical development of geographic thought both before and after the establishment of Geography as a modern university discipline. Students will assess contemporary approaches to geographic knowledge within physical and human geography, and debates about Geography's ability to provide a holistic perspective to challenges facing humanity.

Prerequisites: 18 credits of 1100-level or higher, including GEOG 1101, GEOG 1110 and GEOG 1120

Transferable (refer to transfer guide)

GEOG 3310 CR-3**Natural Hazards**

Students will investigate physical processes and initiation of natural hazards such as geologic hazards (earthquakes, volcanoes), atmospheric hazards (hurricanes, tornadoes), hydrologic hazards (flooding, water pollution), biologic hazards (pests, disease), as well as more general topics such as global climate change and its perceived effects on hazard frequency. Students will analyze why certain populations are at risk and how humans try to prepare for and mitigate hazardous conditions. They will examine new technologies and investigate historic and recent events in case studies, lab and field trip settings.

Prerequisites: GEOG 1110 and GEOG 1120 and 18 credits of any 1100-level course

Transferable (refer to transfer guide)

GEOG 3320 CR-3**Environment and Resources**

Students will examine the principles and practices of environmental resource management. They will explore how resources are conceptualized and assess the effectiveness of resource management systems in addressing environmental issues, preserving ecological capital, and achieving socio-economic goals. They will critically analyse the character, roles and interactions among various actors involved in environmental resource management. They will, in examining these issues, pay particular attention to city-environment relationships. Students will conduct research that addresses a current environmental resource management issue.

Prerequisites: Any 18 credits of 1100-level or higher, including 3 credits of GEOG 1101 or GEOG 1110 or GEOG 1120

Transferable (refer to transfer guide)

GEOG 3330 CR-3 (formerly GEOG 2330)**Hydrology**

Students will critically examine theoretical and applied aspects of the hydrologic cycle near the Earth's surface. They will critically analyze precipitation, evaporation, groundwater flow, surface runoff and snowmelt processes. Students will examine and evaluate applied techniques including the collection, compilation and processing of field data.

Prerequisites: 18 credits of 1100 level or higher, including GEOG 1110 and 1120

Transferable (refer to transfer guide)

GEOG 4100 CR-3**Research Design in Geography**

Students will critically analyze and apply the procedures for developing a major research project. They will formulate a geographic research question situated within a broader theoretical and empirical context. They will identify and evaluate the methods relevant to their research question, critically analyze the advantages and limitations of selected methods, identify an appropriate sampling frame, and develop a research plan. Students will analyze the practical demands of geographic research, including budgeting, accessing financial support, and navigating institutional frameworks for the oversight of research. They will apply these considerations to their research plan, and also develop strategies and processes for the dissemination, including publication, of research findings.

Prerequisites: 45 credits of 1100 or higher, including GEOG 2380 and GEOG 2390 and GEOG 2400

Not Transferable

GEOG 4350 CR-3**Climate Change**

Students will evaluate the causes of climate change, including the scope and significance of human modifications of the earth's surface and atmospheric composition. They will examine the controls on global-scale climate, investigate climate change assessments at a variety of time-scales, assess proxy measurements of climate change, and explore the modeling of future climate projections. Students will survey the impacts of climate change on human society, and evaluate efforts to mitigate the process and effects of climate change.

Prerequisites: 45 credits at 1100-level or higher, including GEOG 2310

Transferable (refer to transfer guide)

GEOG 4380 CR-3**Applications in GIS**

Students will further their knowledge of Geographic Information Systems (GIS) by applying GIS technology to spatial analysis problems. They will use GIS to analyze case studies in fields such as environmental science, resource management, urban planning, social science, criminology and medicine. Students will explore the techniques, methods and processes involved in the development of a GIS, technical issues and project management.

Prerequisites: GEOG 2400 plus 18 credits of 1100-level or higher courses

Transferable (refer to transfer guide)

GEOG 4501 CR-3

Current Geographic Issues

Students will engage in an intensive study of a selected topic in geography, as determined by the instructor. They will review relevant literature, develop a research proposal, write a comprehensive report, and present the results of their research.

Note: the topic of study will be established in advance by the department. Please check with the department for proposed offerings. Students may take this course multiple times for further credit on different topics.

*Prerequisites: 45 credits at the 1100-level or higher, including GEOG 1101, GEOG 1110 and GEOG 1120
Not Transferable*

GEOG 4599 CR-3

Directed Studies

Students will carry out a detailed investigation of a geographic topic consisting of readings and research, under the supervision of a faculty member with expertise in the area. They will be required to identify relevant sources of information and to develop a comprehensive understanding of their topic, in addition to submitting a final assignment.

Prerequisites: 30 credits in GEOG

GEOLOGY (GEOL)

GEOL 1210 CR-4

Our Changing Earth

Students will study the geologic history and paleontology of the Lower Mainland. They will apply elementary geologic principles to the interpretation of the geologic history of field sites in several locations. Students will also study paleontology with special emphasis placed on paleoclimatology and the evolution of vertebrates.

*Prerequisites: GEOG 1120
Transferable (refer to transfer guide)*

GERMAN (GERM)

GERM 1100 CR-3

Basic German I

Students will use the communicative approach to develop basic oral, listening, reading, and writing skills in German while exploring the Germanic culture.

Transferable (refer to transfer guide)

GERM 1101 CR-3

Basic German II

Students will use the communicative approach to build on basic skills and continue to develop oral, listening, reading, and writing skills while further exploring the Germanic culture.

*Prerequisites: GERM 1100 or equivalent, or German 11, or assessment by instructor.
Transferable (refer to transfer guide)*

GERM 2200 CR-3

Intermediate German I

Students will use the communicative approach to review and expand their knowledge of basic German grammar. They will continue to develop oral, listening, reading, and writing skills at the intermediate level while further exploring the Germanic culture.

*Prerequisites: German 11 with a grade of B, or German 12 with a C or GERM 1101, or assessment by instructor
Transferable (refer to transfer guide)*

GERM 2201 CR-3

Intermediate German II

Students will use the communicative approach to reinforce and expand their linguistic skills through integrated and interactive practice in reading, writing, listening and speaking. Students will also continue to work on their intercultural learning skills.

*Prerequisites: GERM 2200 or equivalent, or German 12 with a grade B or higher, or assessment by instructor
Transferable (refer to transfer guide)*

GERM 3300 CR-3

German Culture through Film

Students will view subtitled German films and read excerpts in translation from works of Germanic historiography, philosophy, psychology, and sociology, which highlight the key issues in the cultural history of the German-speaking countries. They will then apply critical reading, viewing, and writing strategies as they examine and evaluate the central concepts and themes used to organize Germanic cultural history, as well as the ways in which textual and visual media create, enforce, and challenge these assumptions.

NOTE: Students may earn credit for only one of GERM 3300 and CUST 3300 as they are identical courses.

*Prerequisites: ENGL 1100 and (one of ENGL 1202 or ENGL 1204 or CRWR 1100 or FINA 1121) and 3 credits from any 2000-level course or higher
Transferable (refer to transfer guide)*

GERONTOLOGY-BASED THERAPEUTIC RECREATION (GBTR)

GBTR 1100 CR-3

Introduction to Aging

Students will explore concepts, theories, demographics and trends of aging and the community resources available for the older adult. They will explore the role of the gerontology-based therapeutic recreation practitioner. Students will explore personal attitudes towards wellness and aging.

GBTR 1111 CR-3

Facets of Aging

Students will explore health challenges commonly found in the elder population and implications for the clients, societal relationships, and quality of life. They will explore client-focused care philosophy within the context of activity programming. Students will reflect on personal values and beliefs regarding death and dying.

GBTR 1120 CR-3**Program Planning and Design**

Students will explore models of practice in gerontology-based therapeutic recreation. They will examine the process of program planning and reflect upon their role in the delivery of programs.

GBTR 1130 CR-1.5**Introduction to Fitness for Seniors**

Students will learn the basis of human movement. They will design adapted exercise programs based on common health challenges experienced by seniors. Students will demonstrate a variety of exercises in a simulated environment.

Prerequisites: GBTR 1100 and GBTR 1111 and GBTR 1120

GBTR 1200 CR-2**Identity and Dementia**

Students will explore the pathology of dementias and the variety of philosophies and models of practice in special care programming. They will integrate the concepts of personhood and client-centred care as they relate to persons with dementia and the community that supports them.

Prerequisites: GBTR 1100 and GBTR 1111 and GBTR 1120

GBTR 1210 CR-2**Dementia Care Programming**

Students will identify adaptations needed for programming for people at different stages of dementia. They will explore a variety of concepts, models and philosophies for implementing programs for people with different types of dementia.

Prerequisites: GBTR 1200

GBTR 1235 CR-3**Recreation Assessment and Planning**

Students will examine the continuing care system and professional roles and responsibilities of the gerontology-based therapeutic recreation practitioner. They will apply the principles of person-centred practice to the development of individualized recreation care plans.

Prerequisites: ECHS 1125 and ECHS 1135 and GBTR 1120

GBTR 1241 CR-2**Valuing Ethnicity and Diversity**

Students will learn about prevalent ethnocultural beliefs, values, norms, and traditions and reflect on how these concepts affect gerontology-based therapeutic programs. They will explore their own cultural being and develop an awareness and understanding of ethnocultural groups different from their own.

Prerequisites: GBTR 1120

GBTR 1250 CR-2**Practicum I**

Students will practice skills and apply theory while performing the duties of a gerontology-based therapeutic recreation programmer in external community settings. They will develop caring relationships with clients and respectful working relationships with peers and facility staff. Students will participate in seminars to discuss self, theory and practice issues.

Prerequisites: GBTR 1100 and GBTR 1111

GBTR 1255 CR-2**Practicum II**

Students will practice skills and apply theory while performing the duties of a gerontology-based therapeutic recreation programmer in external community settings. They will develop caring relationships with clients and respectful working relationships with peers and facility staff. Students will participate in seminars to discuss self, theory and practice issues.

Prerequisites: GBTR 1250

GBTR 1320 CR-3**Leadership in Therapeutic Recreation**

Students will analyze the different leadership roles and responsibilities of a gerontology-based therapeutic recreation programmer in the workplace. They will analyze and discuss the importance of being role models and leaders of programs involving residents, volunteers, staff and family members. Students will reflect on how individuals and organizations contribute to the advancement of the profession.

Prerequisites: GBTR 1120 and GBTR 1150 and ECHS 1115 and ECHS 1125

GBTR 1350 CR-2**Practicum III**

Students will integrate and apply theoretical concepts from their coursework in a final practicum in an extended care or special care setting. They will develop caring relationships with clients and effective working relationships with peers and facility staff. Students will participate in seminars to discuss self, theory, and practice issues.

Prerequisites: GBTR 1255 and GBTR 1241

GRADUATE NURSE INTERNATIONALLY EDUCATED RE-ENTRY (GNIE)

GNIE 1102 CR-3**Relational Engagement in Nursing Practice**

Students will explore the concept of relational engagement through a discovery of self and self in relation to others.

They will enhance their awareness and understanding of how personal beliefs, values, and experiences influence caring relationships within nursing practice. Students will develop communication skills essential for establishing professional supportive relationships within the context of person centered care.

Note: portions of this course may be offered in an online format.

Not Transferable

GNIE 1104 CR-2 (formerly GNEA 1104)**Pharmacology for Nurses**

Students will learn the fundamental principles of pharmacology. They will explore relevant legislation, drug action, routes of administration, principles of medication administration, and calculation of dosages for drugs used for common health challenges in Canada. Students will become familiar with the generic and trade names of drugs prescribed for common health challenges.

Note: this course is offered partially online.

Not Transferable

GNIE 1117 CR-9 (formerly GNEA 1107)**Professional Nursing Practice 1**

Students will be introduced to registered nursing practice in a Canadian adult acute care unit. They will adapt previously learned nursing knowledge and skills to the Canadian context. Students will learn how to collect and critically analyze client information, formulate plans of care, set appropriate priorities, and provide nursing care for two to three clients within the Canadian healthcare setting. They will learn the process of developing professional caring person centred relationships with clients and effective working relationships with peers and the health care team.

Not Transferable

GNIE 1118 CR-5 (formerly GNEA 1108)**Professional Nursing Theory I**

Students will prepare for licensure and practice in Canada by exploring fundamental concepts of nursing in the Canadian setting. They will examine social epidemiology, prevalent health challenges, and the Canadian health care system. Students will explore personal, public and professional values and expectations related to health care. They will develop sensitivity and awareness to cultural influences on health beliefs and practices in relation to Canada's multicultural and Aboriginal populations.

Note: portions of this course may be offered in an online format.

Not Transferable

GNIE 1218 CR-7 (formerly GNEA 1208)**Professional Nursing Theory 2**

Students will prepare for licensure and practice in Canada by reviewing nursing care of clients experiencing health challenges within the Canadian context. They will examine the professional role of the nurse in promoting health and assisting individuals and families with specific health challenges. Students will examine the relevant ethical, legal, and professional imperatives that influence nursing practice within the Canadian health care system

Note: portions of this course may be offered in an online format.

Prerequisites: GNIE 1102, GNIE 1118, GNIE 1117, GNIE 1104

GNIE 1227 CR-6 (formerly GNEA 1207)**Professional Nursing Practice 2**

Students will continue to develop and consolidate knowledge and skills consistent with the scope of registered nursing practice in Canada. They will integrate Canadian nursing standards and competencies in the planning and implementation of care for two to four clients in an acute care setting. Students will initiate professional caring relationships with clients and their families, and effective working relationships with peers and the health care team.

Prerequisites: GNIE 1118, GNIE 1117, GNIE 1102, GNIE 1104
Not Transferable

GNIE 1328 CR-7 (formerly GNEA 1308)**Professional Nursing Theory 3**

Students will prepare for licensure and practice in Canada by exploring community, maternal /newborn, children/pediatric, and mental health/psychiatric nursing within the Canadian context. They will explore the professional role of the nurse in diverse settings and with diverse and vulnerable populations.

Note: portions of this course will be offered in an online format.

Prerequisites: GNIE 1218, GNIE 1227

Not Transferable

GNIE 1337 CR-8**Professional Nursing Practice 3**

Students will increase their autonomy by gradually assuming nursing responsibility for increasingly complex client assignments. They will develop leadership skills in working with other members of the health care team in preparation for the role of a professional Registered Nurse.

Prerequisites: GNIE 1227, GNIE 1218

Not Transferable

GRADUATE NURSE QUALIFYING (GNQU)**GNQU 1301 CR-3****Fundamentals of Mental Health Nursing**

Students will recognize the effects of mental health challenges and will assess the bio-psychosocial, environmental, spiritual, cultural and economic influences that affect mental health. They will apply mental health nursing concepts based on the lived experience of the individual. Students will complete the self-paced modules on-line.

GNQU 1305 CR-3**Mental Health Preceptorship**

Students will be working with preceptor in a mental health care setting. They will apply knowledge and skills necessary for caring for mental health clients.

Prerequisites: GNQU 1301

GNQU 1309 CR-3**Fundamentals of Maternal-Child Nursing**

Students will focus on competency-based theory and processes inherent in maternal/newborn nursing. They will learn to assess and plan care for Canadian childbearing families during pregnancy, labour, delivery, and early parenthood. Students will apply principles of health promotion, prevention, holistic assessment, primary health care, and the social determinants of health in their course work. Students will complete the self-paced modules on-line.

GNQU 1317 CR-3**Maternal / Child Preceptorship**

Students will be working with a preceptor in a maternal child setting. They will apply knowledge and skills necessary for caring for clients in maternal child settings.

Prerequisites: GNQU 1309

GNQU 1321 CR-3**Fundamentals of Pediatric Nursing**

Students will explore the role of the Canadian nurse in caring for children. They will study the effects of illness and treatment on the child and family within the contexts of the stages of growth and development. Students will complete the self-paced modules on-line.

GNQU 1327 CR-3**Pediatric Preceptorship**

Students will be working with a preceptor in a pediatric setting. They will apply knowledge and skills necessary for caring for pediatric client.

Prerequisites: GNQU 1321

GRADUATE NURSE RE-ENTRY (GNUR)

GNUR 1104 CR-2.5

Pharmacology

Students will use a computer based program to review fundamental principles of pharmacology. They will explore the use of these principles in their occupational roles, including relevant legislation, drug action and interaction, routes of administration, principles of medication administration, and calculation of dosages for drugs used for common health problems in Canada. Students will become familiar with the generic and trade names of drugs prescribed for common health challenges.

GNUR 1120 CR-3

Graduate Nurse Re-entry: Theory

Students will use a computer based program to upgrade their nursing knowledge for community health nursing and the nursing care of patients requiring hospitalization.

GNUR 1180 CR-3

Workshops and Labs

Students will upgrade their knowledge and skills related to nursing practice. They will examine the impact of research and technology on the practice of specific psychomotor skills and compare current practice standards to their own level of knowledge, judgment, and skill. Students will complete labs and workshops related to psychomotor and interpersonal communication skills.

*Prerequisites: GNUR 1110 or approval of the Coordinator
Not Transferable*

GNUR 1210 CR-6.5

Preceptorship

Students will be working with a preceptor in a nursing practice setting. They will develop confidence and competence in their nursing practice in preparation for the role of the Registered Nurse. Students will apply knowledge and skills for current nursing practice.

Prerequisites: GNUR 1180

GRADUATE NURSE WITH ENGLISH AS AN ADDITIONAL LANGUAGE (GNEA)

GNEA 1104 CR-2.5

Pharmacology

Students will learn the fundamental principles of pharmacology and will explore the use in their occupational roles, including relevant legislation, drug action, routes of administration, principles of medication administration, and calculation of dosages for drugs used for common health problems in Canada. They will become familiar with the generic and trade names of drugs prescribed for common health challenges.

Co-requisites: GNEA 1106 and GNEA 1108 GNEA 1106 and GNEA 1108

GNEA 1107 CR-5 (formerly GNEA 1106)

Nursing Experience 1: Medicine

Students will integrate knowledge of Canadian nursing standards and nursing competencies in an adult acute care unit. They will research patient information, critically analyze the information, formulate plans of care, set appropriate priorities, and provide nursing care for two patients. Students will develop professional caring relationships with patients and effective working relationships with peers and the health care team. They will participate in post conferences to discuss self, theory and practice.

*Prerequisites: Current CPR Level C, TB screen, Immunizations consistent with requirements of clinical agencies, Criminal Records Search within 6 months prior to enrolling in GNEA 1107
Co-requisites: GNEA 1104 and GNEA 1108 GNEA 1104 and GNEA 1108*

GNEA 1108 CR-8.5

Nursing Theory 1

Students will explore the fundamental concepts of nursing in the Canadian setting. They will have opportunities to acquire new psychomotor skills and to practice previously learned psychomotor skills consistent with the scope of registered nursing practice in acute, sub-acute, and long-term care settings in Canada.

Co-requisites: GNEA 1104 and GNEA 1107 GNEA 1104 and GNEA 1107

GNEA 1204 CR-1

Canadian Culture and the Health Care Environment

Students will examine social epidemiology, health seeking behaviour, and the health care delivery system in Canada. They will explore public and professional values and expectations related to health care.

*Prerequisites: GNEA 1108 and GNEA 1104 and GNEA 1107
Co-requisites: GNEA 1208 and GNEA 1207 and GNEA 1217
GNEA 1208 and GNEA 1207 and GNEA 1217*

GNEA 1207 CR-5 (formerly GNEA 1206)

Nursing Experience II: Surgery

Students will apply nursing theory and practice nursing skills in an adult acute-care unit. They will research patient information, critically analyze the information, formulate plans of care, set appropriate priorities, and provide nursing care for up to four patients. Students will develop professional caring relationships with patients and effective working relationships with peers and the health care team. They will participate in post conferences to discuss self, theory and practice.

Prerequisites: GNEA 1104 and [GNEA 1106 or GNEA 1107] and GNEA 1108

Co-requisites: GNEA 1204 and GNEA 1208 GNEA 1204 and GNEA 1208

GNEA 1208 CR-6

Nursing Theory II

Students will examine ethical, legal, and professional issues and standards of nursing practice in depth. They will apply their knowledge of anatomy and physiology to the principles of illness and injury. Students will apply these principles to medical and surgical health issues in a simulated situation.

Prerequisites: GNEA 1104 and [GNEA 1106 or GNEA 1107] and GNEA 1108

*Co-requisites: GNEA 1204 and GNEA 1207 and GNEA 1217
GNEA 1204 and GNEA 1207 and GNEA 1217*

GNEA 1217 CR-5 (formerly GNEA 1216)

Nursing Experience 3: Practicum

Students will integrate knowledge and skills in the care of adults in acute hospital settings. They will gradually assume responsibility for an increased patient assignment and will function with increasing independence.

Prerequisites: GNEA 1104 and [GNEA 1106 or GNEA 1107] and GNEA 1108 and [GNEA 1206 or GNEA 1207]

Co-requisites: GNEA 1204 and GNEA 1208 GNEA 1204 and GNEA 1208

GNEA 1308 CR-4

Nursing Theory 3

Students will review theory required for the nursing registration examination with an emphasis on maternal, child and family, and mental health nursing. They will be introduced to the basic concepts of community health.

Prerequisites: GNEA 1204 and [GNEA 1206 or GNEA 1207] and GNEA 1208 and [GNEA 1216 or GNEA 1217]

Co-requisites: GNEA 1316 and GNEA 1318 GNEA 1316 and GNEA 1318

GNEA 1316 CR-3

Nursing Experience 4

Students will integrate their learning from all facets of the Graduate Nurse English as Additional Language (GNEAL) program, while working in an acute care setting. They will develop increased competence and leadership skills as a practicing nurse in preparation for their role as a Registered Nurse.

Co-requisites: GNEA 1308 and GNEA 1318 GNEA 1308 and GNEA 1318

GNEA 1318 CR-4.5

Nursing Theory 4

Students will integrate nursing knowledge in preparation for the Canadian Registration Nurse Exam. They will explore and apply theory related to Community Health.

Prerequisites: GNEA 1204 and [GNEA 1206 or GNEA 1207] and GNEA 1208 and [GNEA 1216 or GNEA 1217]

Co-requisites: GNEA 1308 and GNEA 1316 GNEA 1308 and GNEA 1316

GRAPHIC DESIGN FOR MARKETING (GDMA)

GDMA 1100 CR-3

Typographic Design I

Students will learn the fundamentals of typography and will apply and evaluate design processes while designing basic print communications that require typographic design solutions. They will draw rough, comprehensive and production layouts using page layout applications and colour specification systems.

Co-requisites: GDMA 1110 and GDMA 1121 and GDMA 1140 GDMA 1110 and GDMA 1121 and GDMA 1140

Not Transferable

GDMA 1110 CR-3

Image Development I

Students will apply design processes to develop concepts and images for basic marketing communications. They will learn and apply elements and principles of design with an emphasis on colour theory and colour specification systems. Students will also create abstract, symbolic, and representational images to visually communicate ideas and emotions using a variety of mediums.

Co-requisites: GDMA 1100 and GDMA 1121 and GDMA 1140 GDMA 1100 and GDMA 1121 and GDMA 1140

Not Transferable

GDMA 1121 CR-3 (formerly GDMA 1120)

Print Production Software Applications 1

Students learn how to generate, manipulate, transport, and print graphic, typographic, photographic and illustrative images for graphic communication designs. They will use industry-standard software applications such as InDesign, Photoshop, and Illustrator on a Macintosh platform to produce digital layouts.

Co-requisites: GDMA 1100 and GDMA 1110 and GDMA 1140 GDMA 1100 and GDMA 1110 and GDMA 1140

GDMA 1140 CR-3

Graphic Design and Society I

Students will examine the social, cultural, and historical contexts of graphic design from the Renaissance to the end of World War I. They will analyze emerging theories, popular culture, consumerism, politics, ideologies, and technologies that influenced design and design's audiences will be analysed using basic concepts from design history, sociology, semiotics (the study of signs and symbols), and cultural studies.

GDMA 1200 CR-3

Typographic Design 2

Students continue to learn and apply the fundamentals of typography while creating manual and digital typographic layouts for print communication. They will innovate and communicate graphic design concepts and solutions resulting from research and critical analyses of communication problems related to marketing and promotion.

Prerequisites: GDMA 1100 and GDMA 1110 and GDMA 1121 and GDMA 1140 and ENGL 1100

Co-requisites: GDMA 1210 and GDMA 1220 and GDMA 1240 and MRKT 1199 GDMA 1210 and GDMA 1220 and GDMA 1240 and MRKT 1199

Not Transferable

GDMA 1210 CR-3

Image Development 2

Students will develop concepts and images for marketing applications of graphic design. They will create images that effectively communicate information and marketing communications concepts and messages, and address the needs and preferences of clients and their target audiences.

Prerequisites: GDMA 1100 and GDMA 1110 and GDMA 1121 and GDMA 1140 and ENGL 1100

Co-requisites: GDMA 1200 and GDMA 1220 and GDMA 1240 and MRKT 1199 GDMA 1200 and GDMA 1220 and GDMA 1240 and MRKT 1199

Not Transferable

GDMA 1220 CR-3**Print Production Software Applications 2**

Students will learn graphic production software applications by completing projects which use features such as templates, style sheets, type formatting, and editing tools. They will use industry-standard software applications such as InDesign, Photoshop and Illustrator to design and produce digital layouts.

Prerequisites: GDMA 1100 and GDMA 1110 and GDMA 1121 and GDMA 1140 and ENGL 1100

Co-requisites: GDMA 1200 and GDMA 1210 and GDMA 1240 and MRKT 1199 GDMA 1200 and GDMA 1210 and GDMA 1240 and MRKT 1199

GDMA 1240 CR-3**Graphic Design and Society II**

Students will examine diverse forms of graphic design that emerged after World War II, primarily in Europe and North America. They will utilize various analytical frameworks to consider historical and emerging ideas and theories relating to the design and communication of information, human interactions with design, and design's social, cultural, and economic significance.

Prerequisites: ENGL 1100 or ENGL 1110

GDMA 2100 CR-3**Publication Design 1**

Students learn fundamentals associated with the design, production and distribution of printed publications. They work with typography, develop concepts, design layouts and produce comprehensive layouts for books, newspapers, and miscellaneous printed publications.

Prerequisites: GDMA 1200 and GDMA 1210 and GDMA 1220 and GDMA 1240 and MRKT 1199

Co-requisites: GDMA 2110 and GDMA 2120 and GDMA 2140 and CMNS 2140 GDMA 2110 and GDMA 2120 and GDMA 2140 and CMNS 2140

GDMA 2110 CR-3**Introduction to Advertising Design**

Students learn the fundamentals of advertising design including the analysis of client and end-user needs, which they specify in a creative brief. They formulate concepts and messages, and design advertisements for different clients and target audiences.

Prerequisites: GDMA 1200 and GDMA 1210 and GDMA 1220 and GDMA 1240 and MRKT 1199

Co-requisites: GDMA 2100 and GDMA 2120 and GDMA 2140 and CMNS 2140 GDMA 2100 and GDMA 2120 and GDMA 2140 and CMNS 2140

GDMA 2120 CR-3**Print Technologies**

Students learn how to prepare electronic files for the print production of projects. They learn how to write specifications for pre-press, printing and print finishing processes for photomechanical and electronic print production technologies. Students also learn how to specify ink, paper and other elements of a printed communication, and how proofing systems and other quality control procedures are used in the printing industry.

Prerequisites: GDMA 1200 and GDMA 1210 and GDMA 1220 and GDMA 1240 and MRKT 1199

Co-requisites: GDMA 2100 and GDMA 2110 and GDMA 2140 and CMNS 2140 GDMA 2100 and GDMA 2110 and GDMA 2140 and CMNS 2140

GDMA 2140 CR-3**Communications Design, Consumerism And Popular Culture**

Students will examine contemporary visual communication design, consumerism, and popular culture using concepts from sociology, marketing, cultural studies, cultural anthropology, and semiotics (signs and symbols) to inform their analyses. They will also apply their knowledge and skills to an end of term, research and design-based project. Advertising design, product and packaging design, retail and display design, environmental graphics, and various types of design found in popular culture (comics, movies, sports, music, etc.) will be among the topics covered in the course.

Prerequisites: ENGL 1100 and (GDMA 1240 or DEPD 1130)(or permission of instructor)
Not Transferable

GDMA 2200 CR-3**Publication Design 2**

Students research social, cultural, and historical factors and apply fundamentals associated with the design, production and distribution of printed publications. They develop concepts, apply manual and electronic design and produce comprehensive layouts for magazines, newsletters and trade journals.

Prerequisites: GDMA 2100 and GDMA 2110 and GDMA 2120 and CMNS 2140 and GDMA 2140

Co-requisites: GDMA 2210 and GDMA 2220 and GDMA 2230 and GDMA 2240 GDMA 2210 and GDMA 2220 and GDMA 2230 and GDMA 2240

Not Transferable

GDMA 2210 CR-3**Interactive & Integrated Media Design**

Students use manual and electronic visualization procedures to design text and images for interactive and integrated marketing communications. They will apply critical analysis and problem-solving capabilities while developing and evaluating concepts, messages and images for screen-based interactive and integrated media (such as video, web, mobile devices).

Prerequisites: GDMA 2100 and 2110 and 2120 and 2140 and CMNS 2140

Co-requisites: GDMA 2200 and 2222 and 2230 and 2240 GDMA 2200 and 2222 and 2230 and 2240

Not Transferable

GDMA 2220 CR-3**Interactive Software Applications 1**

Students use industry-standard software applications to design, produce and publish screen-based visual communications that feature simple user interactivity. They use scanners and digital camera, apply methods of image generation, process and optimize images, and use mark-up and scripting languages.

Prerequisites: GDMA 2100 and GDMA 2110 and GDMA 2120 and CMNS 2140 and GDMA 2140

Co-requisites: GDMA 2200 and GDMA 2210 and GDMA 2230 and GDMA 2240 GDMA 2200 and GDMA 2210 and GDMA 2230 and GDMA 2240

**GDMA 2222 CR-3 (formerly GDMA 4115)
Integrated Media Software Applications**

Students will utilize current software suites that integrate image, text, sound, motion, and time (i.e. integrated media). They will work with integrated media to design and produce marketing communications (such as social media campaigns and online video publishing) in video format for screen-based distribution channels appropriate to clients, targeted audiences, and other end-users.

Prerequisites: GDMA 2100 and 2110 and 2120 and 2140 and CMNS 2140

Co-requisites: GDMA 2200 and 2210 and 2230 and 2240 GDMA 2200 and 2210 and 2230 and 2240

Not Transferable

**GDMA 2230 CR-3
Introduction to Marketing Communications**

Students develop marketing plans before formulating concepts and images that communicate messages to specific target audiences. They design marketing communications for placement in a variety of media. Students focus on the use of effective copy, typography, photography and illustrations to convey marketing messages.

Prerequisites: GDMA 2100 and 2110 and 2120 and 2140 and CMNS 2140

Co-requisites: GDMA 2200 and 2210 and 2222 and 2240

Not Transferable

**GDMA 2240 CR-3
Social Contexts For Interactive Media**

Students analyze social, cultural, and historical contexts for interactive media such as exhibits, kiosks, and web sites. They examine theories relating to interactivity and human factors, and apply design research methods to analyses of various types of interactive media. Students will also develop concepts for a range of interactive experiences (mechanical and electronic) to suit a particular social context and target audience and communicate them using appropriate terminology and technology.

Prerequisites: ENGL 1100 and GDMA 2140

**GDMA 3100 CR-3
Information Design**

Students will research, analyze, organize and integrate quantitative and qualitative information into designs of systems that respond to specific audience needs, as well as incorporate contextual, spatial, directional and navigational requirements. They will conceptualize, design, and produce visual information systems such as charts, maps and other "wayfinding" systems.

Prerequisites: GDMA 2200 and 2210 and 2222 and 2230 and 2240

Co-requisites: GDMA 3110 and 3122 and 3130 GDMA 3110 and 3122 and 3130

Not Transferable

**GDMA 3110 CR-3
Interactive and Web Design 1**

Students will learn the concepts and methods required to design interactive projects and web sites. They will use storyboards, flowcharts and wire frames to create the interaction, information architecture, interfaces, navigation, and visuals required for interactive projects and web design.

Prerequisites: GDMA 2200 and 2210 and 2222 and 2230 and 2240

Co-requisites: GDMA 3100 and 3122 and 3130 GDMA 3100 and 3122 and 3130

Not Transferable

**GDMA 3120 CR-3
Interactive Software Applications 2**

Students use industry-standard software applications to design, produce and publish animated and interactive visual communications. They use hypertext markup language for document structure, cascading style sheets for document presentation and accessibility, and scripting languages to enable actions and interactivity.

Prerequisites: GDMA 2200 and GDMA 2210 and GDMA 2220 and GDMA 2230 and GDMA 2240

Co-requisites: GDMA 3100 and GDMA 3110 and GDMA 3130 GDMA 3100 and GDMA 3110 and GDMA 3130

**GDMA 3122 CR-3 (formerly GDMA 2220)
Interactive Software Applications 1**

Students use industry-standard software applications to plan, develop, test, and deploy screen-based visual communications that feature simple user interactivity. They use scanners and digital photography, apply methods of image generation, process and optimize images, and use current mark-up and style sheet languages.

Prerequisites: GDMA 2200 and 2210 and 2222 and 2230 and 2240

Co-requisites: GDMA 3100 and 3110 and 3130 GDMA 3100 and 3110 and 3130

Not Transferable

**GDMA 3130 CR-3
Marketing Communications Design 1**

Students analyze and interpret a client's marketing objectives before formulating concepts, messages and images for marketing communications, such as in-store promotions, advertisements, posters and specialty advertising items.

Prerequisites: GDMA 2200 and 2210 and 2222 and 2230 and 2240

Co-requisites: GDMA 3100 and 3110 and 3122 GDMA 3100 and 3110 and 3122

Not Transferable

**GDMA 3200 CR-3
Corporate Communications Design 1**

Students formulate, conceptualize and design communications that reflect a corporation's positioning, marketing and public relations goals. They research, analyze and address professional, social, cultural and historical needs and preferences present in typical corporate cultures.

Prerequisites: GDMA 3100 and 3110 and 3122 and 3130

Co-requisites: GDMA 3210 and 3220 and 3222 and 3230 GDMA 3210 and 3220 and 3222 and 3230

Not Transferable

GDMA 3210 CR-3**Packaging Design**

Students learn concepts, theories, principles and strategies for designing packaging. They analyze legal, environmental, social and ethical issues that impact the design of packaging for a variety of clients and products. In addition, students learn to work with regulatory and production requirements, client marketing objectives and budgets, distribution and display requirements, timelines, presentation guidelines, and a range of other factors that directly affect the design and production of three-dimensional packaging.

Prerequisites: GDMA 3100 and 3110 and 3122 and 3130
Co-requisites: GDMA 3200 and 3220 and 3222 and 3230 GDMA 3200 and 3220 and 3222 and 3230
Not Transferable

GDMA 3220 CR-3**Interactive and Web Design 2**

Students will research, strategize, conceive, develop content, design and produce a screen-based project for a specific audience. They will create an interactive user experience to meet specified marketing communication outcomes. They will learn strategies for meeting business, marketing, and communication goals; allocating resources; evaluating elements of user experience; and applying interactive and web-based design processes to deliver prototypes, templates, and/or style guides.

Prerequisites: GDMA 3100 and 3110 and 3122 and 3130
Co-requisites: GDMA 3200 and 3210 and 3222 and 3230 GDMA 3200 and 3210 and 3222 and 3230
Not Transferable

GDMA 3222 CR-3 (formerly GDMA 3120)**Interactive Software Applications 2**

Students use industry-standard, interactive software applications and services to plan, develop, test, and deploy screen-based interactive experiences. They employ interface design practices, current font technologies, markup and scripting languages, and code libraries and plugins to create dynamic interactive experiences for users of various screen-based devices.

Prerequisites: GDMA 3100 and 3110 and 3122 and 3130
Co-requisites: GDMA 3200 and 3210 and 3220 and 3230 GDMA 3200 and 3210 and 3220 and 3230
Not Transferable

GDMA 3230 CR-3**Marketing Communications Design 2**

Students analyze and interpret corporate strategies in business-to-business marketing plans. They create communication and design strategies to support marketing plans, and design marketing communications solutions using digital and print media. Students design collateral items such as digital presentations, corporate and operational brochures, product and service brochures, and technical information sheets.

Prerequisites: GDMA 3100 and 3110 and 3122 and 3130
Co-requisites: GDMA 3200 and 3210 and 3220 and 3222 GDMA 3200 and 3210 and 3220 and 3222
Not Transferable

GDMA 4100 CR-3**Corporate Communications Design 2**

Students implement visual identity programs and graphic standards while designing external communications for a corporation. They design annual and quarterly reports, shareholder advisories and promotions, corporate newsletters, advertisements, and public relations communications that are consistent with corporate strategies, objectives, and business and marketing plans.

Prerequisites: GDMA 3200 and GDMA 3210 and GDMA 3220 and GDMA 3230
Co-requisites: GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177 GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177

GDMA 4110 CR-3**Display Design**

Students will analyze market data and develop concepts and design solutions to be implemented in three-dimensional displays. They will research marketing strategies, objectives and audience profiles in order to create solutions for a wide range of display requirements. Using manual and electronic processes, they will conceptualize, design and produce display systems that will be used by public and private organizations for applications such as point-of-purchase and trade show displays, museum exhibits, interactive kiosks, and donor walls in retail stores and other environments.

Prerequisites: GDMA 3200 (B-) and GDMA 3210 (B-) and GDMA 3220 and GDMA 3230 (B-)

GDMA 4115 CR-3 (formerly GDMA 4210)**Integrated Media Design**

Students will conceptualize, create, design and produce marketing communications utilizing current software suites that integrate image, text, sound, motion and time (i.e. integrated media). They will work with integrated media and design and produce communications in screen-based formats (video, film, web) appropriate to client and end-user needs.

Prerequisites: GDMA 3200 and GDMA 3210 and GDMA 3220 and GDMA 3230
Co-requisites: GDMA 4100 and GDMA 4120 and GDMA 4130 and MRKT 4177 GDMA 4100 and GDMA 4120 and GDMA 4130 and MRKT 4177

GDMA 4120 CR-3**Major Project 1**

Students will demonstrate their ability to synthesize and apply the skills and knowledge learned throughout the Graphic Design for Marketing program to a major design project identifying a hypothetical client. They will outline research methods and processes to be implemented, and will propose, articulate and rationalize their design and communication strategies. Students will complete a major project incorporating the design and presentation of a significant and substantial body of work.

Prerequisites: GDMA 3200 and GDMA 3210 and GDMA 3220 and GDMA 3230
Co-requisites: GDMA 4100 and GDMA 4115 and GDMA 4130 and MRKT 4177 GDMA 4100 and GDMA 4115 and GDMA 4130 and MRKT 4177

GDMA 4130 CR-3

Small Business Essentials

Students will learn fundamental business procedures relevant to working as employees, employers, or freelancers in the graphic design profession. Topics include government regulations, business planning and ethics, and administrative procedures for small businesses. They will estimate costs and formulate pricing strategies, prepare proposals, budgets, and schedules, and create components used in the day-to-day management of a design practice

Prerequisites: GDMA 3200 and GDMA 3210 and GDMA 3220 and GDMA 3230

Co-requisites: GDMA 4100 and GDMA 4115 and GDMA 4120 and MRKT 4177 GDMA 4100 and GDMA 4115 and GDMA 4120 and MRKT 4177

GDMA 4200 CR-3

Advertising Design

Students will research and analyze client and end-user needs. They will explore the influence of new mediums on marketing advertising. Using manual and electronic processes, students will develop concepts and design solutions for a variety of media based on marketing plans and strategies. They will create advertising campaigns to be implemented through such communication channels as print and interactive media advertising, sales promotions, events, and direct marketing.

Prerequisites: GDMA 4100 and GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177

Co-requisites: GDMA 4215 and GDMA 4220 and GDMA 4230 and GDMA 4240 GDMA 4215 and GDMA 4220 and GDMA 4230 and GDMA 4240

GDMA 4215 CR-3 (formerly GDMA 4110)

Display Design

Students will analyze market data and develop concepts and design solutions to be implemented in three-dimensional displays. They will research marketing strategies, objectives and audience profiles in order to create solutions for a wide range of display requirements. They will use manual and electronic processes to conceptualize, design and produce display systems that will be used by public and private organizations for applications such as point-of-purchase and trade show displays, museum exhibits, interactive kiosks, and donor walls in retail stores and other environments.

Prerequisites: GDMA 4100 and GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177

Co-requisites: GDMA 4200 and GDMA 4220 and GDMA 4230 and GDMA 4240 GDMA 4200 and GDMA 4220 and GDMA 4230 and GDMA 4240

GDMA 4220 CR-3

Major Project 2

Students propose, design, produce, present and defend a major project relevant to their chosen area of professional practice. They will complete a major project that encompasses rigorous enquiry, a comprehensive situation analysis, and the demonstration of proficiency in graphic design.

Prerequisites: GDMA 4100 and GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177

Co-requisites: GDMA 4200 and GDMA 4215 and GDMA 4230 and GDMA 4240 GDMA 4200 and GDMA 4215 and GDMA 4230 and GDMA 4240

GDMA 4230 CR-3

Mentorship for Professional Practice

Students will learn about procedures, practices, and issues relevant to gaining employment and working in the graphic design profession. They create and design self-promotion materials, prepare an employment search plan, and gain industry experience through a mentorship placement in a professional advertising, design or marketing environment.

Prerequisites: GDMA 4100 and GDMA 4115 and GDMA 4120 and GDMA 4130 and MRKT 4177

Co-requisites: GDMA 4200 and GDMA 4215 and GDMA 4220 and GDMA 4240 GDMA 4200 and GDMA 4215 and GDMA 4220 and GDMA 4240

Not Transferable

GDMA 4240 CR-3

Contemporary Issues in Graphic Design

Students will develop a critical awareness of social, cultural, philosophical, environmental, technological, and professional issues that impact contemporary graphic design practice. They will actively contribute to in-class discussions, interact with guest speakers, and engage in multifaceted research and analysis. Student teams will also develop, produce and lead comprehensive workshops relating to current "hot" topics in design such as cyberspace ethics, "professionalization" of the industry, plagiarism and copyright concerns, speculative work, sustainable graphic design, and 'calls to action' by the design community.

Prerequisites: 60 undergraduate credits plus GDMA 2240, MRKT 4177 and ENGL 1100

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HEALTH CARE ASSISTANT (HCAP)

HCAP 1120 CR-1.5

Wellness: Health, Lifestyle & Choice

Students will explore the concept of wellness and the components of a health enhancing lifestyle. They will reflect on their own experience of wellness, recognizing challenges and resources that may impact on their choices and consequently their health. Students will be introduced to a wellness model that can be applied to understanding the multi-faceted aspects of health and healing.

HCAP 1124 CR-3

Health and Healing: Concepts for Practice 1

Students will develop a theoretical framework structured around human needs. They will understand the normal structure and function of the human body and normal bodily changes associated with aging. Students will describe factors that affect human needs as well as the influence of family and culture as they relate to health and healing. They will explore common challenges to health and healing in relation to each body system. Students will use a problem-solving model to develop critical thinking skills.

HCAP 1126 CR-8 (formerly HCAP 1125)

Personal Care Skills and Clinical Practice

Students will acquire knowledge and apply skills needed to provide personal care that promotes the physical, psychological, social, cognitive, and spiritual well-being of client/residents with complex health challenges. They will gain experience in a variety of practice settings. Students will develop caring relationships with individuals and enhance problem solving skills and critical thinking skills.

HCAP 1135 CR-1.5

Person Centered Practice in Healthcare

Students will explore the principles of a person-centered caring philosophy. They will recognize how their values, attitudes, feelings, and actions impact their support of individuals and their roles and responsibilities as Health Care Assistants. Students will consider the influence of family and community in their relationship and support with individuals. They will identify ethical and legal parameters of their practice. Students will examine the home support, complex care and assisted living service systems.

HCAP 1224 CR-3

Health and Healing: Concepts for Practice 2

Students will continue to develop a theoretical framework structured around human needs. They will apply a problem-solving approach when caring for people with complex health challenges. Students will examine resources and care-giving practices that promote and support client/resident-focused interventions for health, healing and end-of-life care.

Prerequisites: HCAP 1124 and HCAP 1126 and HCAP 1135 and ECHS 1114

HCAP 1225 CR-3

Health Care Assistant Advanced Skills

Students will acquire advanced skills in a simulated setting necessary to provide care collaboratively with clients in the community. They will practice adaptations to care to promote the comfort, safety and independence of the client within the parameters of the health care assistant (HCA) role. Students will identify and reflect on issues of abuse/neglect and diversity in a home setting. They will develop employment finding skills.

Prerequisites: HCAP 1126 and ECHS 1114

HCAP 1240 CR-5

Dementia and Special Needs: Theory and Practice

Students will explore concepts and models applicable to the care of individuals with dementia or mental health challenges as they age. They will identify communication strategies that facilitate providing care. Students will recognize behaviors and identify person-centered intervention strategies. They will become familiar with the home and community resources that support individuals and families dealing with the challenges of dementia and mental health issues in aging. Students will have a practical experience on an adult special care unit.

Prerequisites: HCAP 1126

HCAP 1245 CR-5

Health Care Assistant Final Practicum

Students will consolidate knowledge and skills in preparation for assuming the role and responsibilities of a beginning practitioner. They will have a full time experience in an assisted living, home support and long-term care setting.

Prerequisites: HCAP 1224 and HCAP 1225 and HCAP 1240

HEALTH SCIENCES (HSCI)

HSCI 1115 CR-3

Introduction to Health Science

Students will be introduced to the multifaceted field of health science and the foundations of promoting health and wellness. Students will explore concepts of health, science and health science from a variety of perspectives including biological, clinical, cultural, environmental, political and socioeconomic. Students will be introduced to the variety of health care careers that contribute to the effective delivery of health care and the promotion of health and wellness in the community. Students will learn the benefits of well-organized cross-functional teams in generation of innovation, productivity and effective service.

Prerequisites: English 12 (B) or English 12 First Peoples (B) or ENGQ 1099 or ABEE 0091 or ENGP 1091 or ABEE 0092 or ABEE 0097 or ENGP 1097 or Kwantlen English Placement Test or an LPI Essay score of 30 – Level 5 or IELTS 6.5 with no band less than 6.0 or iBT 86 with minimum writing subscore 24 or PBT 570 with TWE 5.5 or ELST 0381 (B) & ELST 0383 (B) or ELST 0381 (B) & KIST score of 50 or higher AND (MATQ 1093 or MATH 1117) or (ABEM 0011 or MATP 1011 or MATQ 1099 with a B-) or Pre-calculus 12 with a C; or Principles of Mathematics 12 with a C; or Pre-calculus 11 with a B; or Principles of Mathematics 11 with a B; or Pre-calculus 11 with a C plus Mathematics Placement Test; or Principles of Mathematics 11 with a C plus Mathematics Placement Test; or Pre-calculus 12 with a P plus Mathematics Placement Test; or Applications of Mathematics 12 with a C plus Mathematics Placement Test; or Applications of Mathematics 11 with a C plus Mathematics Placement Test Transferable (refer to transfer guide)

HSCI 1220 CR-3

Health Science Writing

Students will learn how to analyze audience and context in order to communicate effectively in the field of health science. They will learn basic research strategies, document conventions, teamwork strategies, health science proposal and report creation, conflict resolution approaches, and health science language usage. Students will develop their written and oral communication skills, as well as critical thinking and research skills. They will learn the principles, theories, techniques, and common formats required for writing and communicating scientific research, proposals, reports, and reviews.

Prerequisites: ENGL 1100 and BIOL 1110 and HSCI 1115

HSCI 2220 CR-3

Medical Terminology

Students will learn the basic Greek and Latin constructs upon which science and medical language is based. Students will learn to identify, articulate, and spell classic nouns, prefixes, and suffixes. They will learn how to translate non-science language into biomedical terminology and how to deconstruct biomedical terminology into clear and accurate non-science language.

Prerequisites: HSCI 1220 and [either BIOL 1160 or (BIOL 1110 and BIOL 1210)]

HEALTH UNIT COORDINATOR (HAUC)

HAUC 1000 CR-5

Medical Terminology

Students will learn to identify, articulate, and spell medical terms that describe the anatomy, physiology, and pathology of the body systems. They will learn to identify various surgical procedures and equipment used in hospital units.

Co-requisites: HAUC 1005 and 1010 and 1015 HAUC 1005 and 1010 and 1015

HAUC 1005 CR-2.5

Communication and Logistic Skills

Students will practise effective communication skills to enable them to work within a team environment. They will discuss the importance of patient confidentiality when working with case studies. Students will use resource manuals to look up hospital codes such as cardiac arrest, fire, violent persons, and others. They will practise the essential telephone techniques necessary to work in a hospital setting.

Co-requisites: HAUC 1000 HAUC 1000

HAUC 1010 CR-2.5

Chart Records and Admissions

Students will learn to keep accurate patient charts and records and to maintain charts in accordance with hospital confidentiality guidelines and policies. They will process admissions, transfers, discharges, and will differentiate between elective or emergency admissions.

Co-requisites: HAUC 1000 HAUC 1000

HAUC 1100 CR-3.5

Treatment and Medication Orders

Students will process physicians' treatment orders, including preparing and updating dietary information. They will file requisitions, progress notes and follow-up reports, and will assist in the scheduling of treatment appointments including patient transport. Students will learn to transcribe and process medication orders and to identify the forms that must be prepared for use by professional staff. They will utilize the Compendium of Pharmaceuticals and Specialties (CPS) to process medication orders.

Prerequisites: HAUC 1000 and 1005 and 1010 and 1015

Co-requisites: HAUC 1110 HAUC 1110

HAUC 1110 CR-2

Laboratory Orders 1

Students will learn to transcribe physicians' orders for the most common chemistry and hematology lab tests using reference and resources as needed. They will learn the communication system used to ensure that complete information regarding patient test results is shared with all relevant individuals and/or departments.

Co-requisites: HAUC 1100 HAUC 1100

HAUC 1115 CR-2

Laboratory Orders 2

Students will learn to transcribe physicians' orders for laboratory tests for the most common communicable diseases, bacterial infections, and blood bank requirements. They will learn the communication system used for sharing complete information about test results with all relevant individuals/departments. Students will utilize appropriate reference resources to complete laboratory orders.

Prerequisites: HAUC 1110

HAUC 1120 CR-3

Diagnostic Orders

Students will learn the patient referral process for consulting physicians, physiotherapists, or occupational therapists. They will become skilled at assisting in patient preparation and communicating diagnostic orders to appropriate individuals and departments. Students will examine a variety of diagnostic tests including those that require patient preparation.

Prerequisites: HAUC 1100 and 1115

HAUC 1125 CR-2.5

Medical/Surgical/Maternity Orders

Students will learn to complete various levels of medical, surgical, and maternity orders. They will learn to transcribe post-operative orders with special emphasis on patient controlled analgesia (PCA) orders.

Prerequisites: HAUC 1120

HAUC 1200 CR-4

Practicum

Students will apply classroom theory on a medical, surgical, maternity, or specialty hospital unit. They will shadow their preceptor at the beginning and gradually increase their responsibilities to reach a mastery level by the end of the practicum. Students will also attend a resume and interview skills workshop.

Prerequisites: HAUC 1125

HISTORY (HIST)

HIST 1113 CR-3

Canada to 1867

Students will study the political, social, cultural, and economic history of pre-Confederation Canada. They will examine topics such as indigenous relations, imperial rivalries, the impact of wars and rebellions, political reform, and social conflict. Students will gain an understanding of Canada's past, as well as an appreciation of how historical forces have shaped Canadian society today.

Transferable (refer to transfer guide)

HIST 1114 CR-3**Canada since 1867**

Students will be introduced to the political, social, cultural, and economic history of post-Confederation Canada. They will examine change and conflict in a variety of areas including government policies, native rights, social welfare, Canadian-American relations, cultural nationalism, women's roles, international affairs, Quebec separatism, labour relations, and multiculturalism. Students will examine a variety of perspectives on each of these topics and will gain an understanding of Canada's past, as well as an appreciation of the role of historical forces in shaping our current society.

Transferable (refer to transfer guide)

HIST 1120 CR-3**Europe 1900 to 1939**

Students will study the major political, social, economic and intellectual currents in European history from the beginning of the twentieth century to 1939. They will also learn to construct and develop historical arguments and to critically assess primary and secondary sources.

Transferable (refer to transfer guide)

HIST 1121 CR-3**Europe since 1939**

Students will examine the major political, social, economic and intellectual currents in European history from 1939 to the present. They will also learn how to assemble evidence in order to produce and present an historically sound argument through a major essay and oral presentation.

Transferable (refer to transfer guide)

HIST 1130 CR-3**Twentieth Century World 1900 to 1945**

Students will examine important global developments in the first half of the twentieth century. They will evaluate the impact of imperialism, the causes and effects of the First World War, the nature of revolutionary movements in China, Japan, and Russia, as well as the global results of the postwar settlement. Students will also analyze the appeal of fascism in Europe and South America, the global impact of the Great Depression, and the factors leading to war in Asia and in Europe.

Transferable (refer to transfer guide)

HIST 1131 CR-3**Twentieth Century World 1945 to 2000**

Students will examine some of the major global developments in the latter half of the twentieth century, including the devastating impact of the Second World War, genocide, and the atomic bomb. They will also analyze key issues in the postwar world, including the emergence of a bipolar world and the global impact of the power wielded by the Soviet Union and the United States; the causes and consequences of decolonization and the roots of neo-colonialism; the results of the fall of Soviet-style communism; and the impact of globalization.

Transferable (refer to transfer guide)

HIST 1145 CR-3**American History 1607 to 1865**

Students will examine the development of the United States from the colonial era to the post-Civil War years. They will study the origins of the Thirteen Colonies, the impact of the Revolutionary War, the development of the early Republic, slavery, the origins of the Civil War and early industrialization. Students will pay special attention to the evolution of American politics, economic and social trends, race relations and westward expansion. Students will also learn how to assemble evidence in order to produce and present an historically sound argument through a major essay.

Transferable (refer to transfer guide)

HIST 1146 CR-3**American History 1865 to 1974**

Students will examine the major political, economic and social developments in the United States from 1865 to the 1970s. They will study the growth of the United States into a superpower and the accompanying changes in domestic society which have taken place since the Civil War era. Students will also learn how to assemble evidence in order to produce and present an historically sound argument through a major essay.

Transferable (refer to transfer guide)

HIST 1150 CR-3**Introduction to Traditional East Asia**

Students will examine some of the main themes in the history of East Asia. They will examine major developments in China, Japan, and Korea to approximately 1800. Students will focus on religious, social, cultural, economic, and political developments, as well as the interactions among the nations of this region.

Transferable (refer to transfer guide)

HIST 1160 CR-3**Introduction to South Asian History**

Students will examine major developments in South Asian society, economics, and culture from the beginnings of civilization on the subcontinent, through the development of new political structures under the early and medieval kingdoms, the establishment of the Mughal Empire, and the period of the British Raj. They will also examine the origins and growth of the independence movement and the emergence of post-colonial independent states on the subcontinent.

Transferable (refer to transfer guide)

HIST 1170 CR-3**Introduction to African History**

Students will examine major developments on the African continent, from the formation of the earliest societies to the creation of independent nation-states in the twentieth century. They will study migration trends and patterns, the evolution of internal trade routes and linkages to international trade, the rise and fall of African kingdoms and empires, and the gradual acquisition of African territory by European imperial powers. Students will conclude by examining the resistance to European colonization which would eventually lead to the creation of 'new' African states throughout the continent

Transferable (refer to transfer guide)

HIST 2101 CR-3 (formerly HIST 1101)
Europe in the Middle Ages

Students will examine the evolution of medieval society and its institutions from the end of the Roman Empire to the later Middle Ages. They will evaluate the contributions made by the medieval world to the modern era, and will be asked to challenge traditional assumptions about the "Dark Ages". Students will examine and analyze key developments in this time period including the rise of the Frankish Empire, the agricultural revolution, the evolution of the Western Church, the 12th Century Renaissance, and the catastrophes of the 14th Century. They will also evaluate the vital relationship between the West and its neighbours, in particular the Byzantine Empire and the Islamic world, during this era.

Transferable (refer to transfer guide)

HIST 2102 CR-3 (formerly HIST 1102)
Europe 1450 to 1789

Students will survey the major political, social, economic and cultural trends in European history from the Renaissance to the French Revolution, focusing on some of the key issues which emerged during this period. They evaluate the nature and impact of the eras of Renaissance and Reformation, and will examine the development of Western influence in the world. Students will also focus on the connections between the early modern world and later historical developments.

Transferable (refer to transfer guide)

HIST 2119 CR-3 (formerly HIST 1119)
Europe 1789 to 1914

Students will examine the revolutionary era which began in France in 1789 and evaluate its political, economic, social, and cultural impact across Europe. They will also study the impact of the Industrial Revolution and the ways in which it rewrote Europe's socio-economic history and created new challenges for its political system. Students will also identify those elements of tradition that transcended the constant upheavals of this period.

Transferable (refer to transfer guide)

HIST 2150 CR-3
Tea in China and Japan

Students will explore the rich history, material culture, and practices related to the Chinese and Japanese "way of tea". They will examine the ways in which tea(s) from China and Japan have shaped East Asian history, including economic trade routes, social practices, and governments. Students will learn that tea in China and Japan is not just a historical artifact - it is a practice and way of life. They will be introduced to the discovery and establishment of tea and tea culture in China and Japan as well as the cultural connections and practices related to tea as a living tradition, including links to East Asian religions, aesthetic traditions and art. Students will develop an understanding of the multi-faceted and rich cultural basis for what Japanese Tea Master Kakuzo Okakura called "a cup of humanity", through lectures, tea demonstrations, readings, and other activities. Note: It is recommended that students complete HIST 1150 prior to taking this course. Note: This course is cross-listed with ASIA 2150. Students may only receive credit for either HIST 2150 or ASIA 2150.

Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)

HIST 2156 CR-3
Martial Arts of China and Japan

Students will challenge the portrayal of East Asia martial arts as ancient, timeless, and even mystical, by examining the history of the martial arts. They will examine how military techniques intended for use in war, policing, and the control of banditry came to be practiced as methods of moral, spiritual, and physical self-cultivation. Students will examine the historical origins of martial arts in Japan and China, their evolution over time, and how they both subverted and served stage agendas in the modern era. They will also examine the role of martial arts in popular culture. Note: This course is cross-listed with ASIA 2156. Students may only receive credit for either HIST 2156 or ASIA 2156.

Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)

HIST 2300 CR-3
Introduction to World Civilizations

Students will analyze the rise and fall of some of the major civilizations of the world. They will focus primarily on non-western civilizations including China, Japan, Islam, India, and the civilizations of Africa and the Americas. Students will conclude by examining the rise of Western Civilization and the resultant struggles between tradition and westernization which have become an increasingly prominent feature of the modern world. They will also evaluate the nature and adequacy of terms such as "civilization," "tradition," and "modernity."

Prerequisites: 3 credits of HIST or ASIA at the 1100 level or higher
Transferable (refer to transfer guide)

HIST 2301 CR-3
The Ancient World

Students will survey the major cultures of the Near East, Egypt, Greece, and Rome in antiquity, focusing on the rise of civilizations, the development of social, political, religious, and philosophical systems, and the transmission of culture. They will consider the origin of cities, the rise and fall of empires, the relationship between citizen and state, between religion and politics, and between politics and art. Students will evaluate the contributions these ancient civilizations have made to the modern world, and will learn to evaluate both primary and secondary sources in order to assemble evidence in support of an historically sound argument.

Transferable (refer to transfer guide)

HIST 2304 CR-3
Canadian-American Relations

Students will examine the major events and themes which have shaped the Canadian-American relationship from the American Revolution to the present. They will identify how this relationship has affected culture and the mass media, trade and investment, resource policies, defense, external affairs and trade unionism. Students will also learn how to assemble evidence in order to produce and present an historically sound argument through a major essay/case study.

Prerequisites: HIST 1114 or HIST 1146 recommended
Transferable (refer to transfer guide)

HIST 2307 CR-3**Twentieth Century Britain**

Students will thematically examine the socio-political impact of the First World War; the inter-war period and the rise of leftist politics; the trauma of the Great Depression; appeasement and the Second World War; post-war recovery and Britain under the American shadow; the impact of the decline of the British Empire; the social upheaval of the sixties; the gradual swing to the right under Margaret Thatcher; and, the rise of "New Labour". They will conclude this course with an examination of Britain in the new Europe.

*Prerequisites: (HIST 2119 or 1120 or 1121 recommended)
Transferable (refer to transfer guide)*

HIST 2335 CR-3**War in the Modern World**

Students will examine and analyze warfare and its role in modern history. They will begin with a consideration of the relationship between war and society and the factors that have contributed to changes in warfare. Beginning with the "military revolution" of the sixteenth century, students will trace the emergence of mechanized mass warfare and the developments that led to the age of Total War. They will analyze these developments within a broader global context where appropriate. Students will also be introduced to the methodology of history through primary source analysis, oral presentations, and the writing of essays based on both primary and secondary sources.

*Prerequisites: 3 credits of 1100-level HIST courses
Transferable (refer to transfer guide)*

HIST 2350 CR-3**Late Imperial China**

Students will examine the history of the late Imperial period in China from the Qing conquest of 1644 to the Boxer Rebellion of 1900 and the fall of the dynasty in 1911. Students will examine the strengths and weaknesses of traditional society from political, economic, social, and cultural perspectives, in order to understand China's resilience in the nineteenth century. Students will also examine the role of key personalities who guided China's various attempts to come to grips with the new challenges of foreign imperialism and internal collapse.

Transferable (refer to transfer guide)

HIST 2355 CR-3**The Chinese Overseas: A Global History of Chinese Migration**

Students will undertake an analysis of migration in modern Chinese history, with an emphasis on overseas migration. They will be introduced to relevant theories concerning migration, diaspora, and transnationalism before examining and analyzing the development of ethnic Chinese communities abroad over the past two centuries.

NOTE: This course is cross-listed as ASIA 2355. Students who have taken ASIA 2355 may not receive credits for both HIST 2355 and ASIA 2355.

*Prerequisites: Any HIST 1100 or higher
Transferable (refer to transfer guide)*

HIST 2375 CR-3**Japan under the Shoguns, 1600 to 1868**

Students will critically examine the history of Japan during the Tokugawa era (1600 to 1868). They will analyze the creation and structure of the Tokugawa shogunate, as well as Japan's interactions with the West and China during the seventeenth and eighteenth centuries. Students will analyze intellectual, cultural, and economic developments during the long Tokugawa peace, including the emergence of Bushido; Genroku culture and the Floating World; and, the Japanese response to Western imperialism in the mid-nineteenth century.

*Prerequisites: HIST 1150 recommended
Transferable (refer to transfer guide)*

HIST 2380 CR-3**Global Environmental History**

Students will engage with the intellectual diversity of environmental history, its varied approaches, and its treatment of regions across the globe. They will study key issues such as land use, agriculture, water, fire, forests, grasslands, fisheries, animals, rural, peri-urban, and urban environments, and environmentalism. Students will also investigate environmental science and history, conservationism, environmental historiography, and technology and degradation in a global context.

*Prerequisites: Any 6 credits at the 1100 level or higher
Transferable (refer to transfer guide)*

HIST 3140 CR-3**Environment and Society in East Asia**

Students will critically analyze the interaction between environments and societies in East Asia. They will critically examine environmental history, institutional politics, property rights, and political ecology. Students will analyze the historical background of specific environmental problems, examine the legacies of late imperial, early twentieth, and late twentieth century policies on the use and abuse of natural resources. They will critically examine a broad range of issues including agriculture, forests, wildlife and biodiversity, grasslands, water, and the impact of "mammoth projects". NOTE: HIST 3140 is cross-listed with ASIA 3140. Students may only receive credit for either HIST 3140 or ASIA 3140.

*Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH
Transferable (refer to transfer guide)*

HIST 3149 CR-3**Hong Kong: Past, Present, and Future**

Students will undertake an in-depth analysis of Hong Kong's history from its days as a remote fishing outpost and pirate haven, through its development as a British-administered trading port and colony, and finally to its emergence as a Pacific Rim economic powerhouse. They will place historical developments in Hong Kong into a broader regional and global context. Students will also critically analyze contemporary issues such as the impact of Hong Kong's liberation from colonial rule, the role of "One Country - Two Systems" in protecting Hong Kong's unique character, the region's economic prospects following the opening of China's economy, and the ongoing struggle for democratic reform. NOTE: This course is cross-listed with ASIA 3149. Students may only receive credit for either HIST 3149 or ASIA 3149.

*Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH
Transferable (refer to transfer guide)*

HIST 3150 CR-3

East Asian Immigrants to North America

Students will critically analyze East Asian immigration to North America over the past two hundred years. They will also examine settlement experiences in North America, with a particular emphasis on the connections between immigrants and their homelands, interactions among East Asian immigrants and other groups in North America, and the development of ethnic communities. Students will critically examine issues including discrimination and racism, anti-immigrant legislation, the creation of ethnic enclaves, Japanese internment, the struggle for civil and political rights, assimilation and multiculturalism, inter-generational tensions within ethnic communities, transnationalism, and contemporary migration issues. Note: ASIA/HIST 2355 strongly recommended. Note: HIST 3150 is cross-listed with ASIA 3150. Students may only receive credit for either HIST 3150 or ASIA 3150.

Prerequisites: 27 credits at the 1100 level or higher including 6 credits of ASIA or HIST or ANTH
Transferable (refer to transfer guide)

HIST 3180 CR-3

North American Environmental History

Students will critically analyse the ecological, historical, and political diversity of environmental history in North America. They will engage with issues related to land use, agriculture, hydro and wind power, forestry, fisheries, rural-urban development, resource extraction, and environmentalism. Students will investigate and analyse the development of environmental policy, environmental science and technology, issues related to the impact of the Cold War, and environmental degradation in the United States and Canada, and within a global context.

Prerequisites: 18 credits at the 1100 level or higher, including 9 HIST credits, or 18 credits at the 1100 level or higher, including HIST 2380
Transferable (refer to transfer guide)

HIST 3310 CR-3

The Fibre of Society: Textile Production in Global History

Students will critically analyze the connection between the production of textiles and global development. From the Paleolithic era to the post-industrial world, textile production has shaped the world in which we live. Students will critically examine key eras in historical development and will study the ways in which the production of textiles has shaped, transformed, and enhanced global development. Students will analyze topics such as the Paleolithic string revolution; textile production in Ancient Egypt, Greece, and China; the role and impact of the Silk Road; and the connection between textiles, slavery, colonialism, industrialization, and capitalism.

Prerequisites: any 1100-level HIST course or 60 credits at 1100-level or higher
Transferable (refer to transfer guide)

HIST 3313 CR-3

Canadian Social History: Order and Disorder

Students will critically analyze a key element of Canadian social history, namely protest, and the resulting responses by Canadian governments to activities ranging from strikes and riots, to campaigns for free speech, native rights, gender equality, environmental protection, and treason. They will critically examine the landmark legal cases that have crystallized these issues. Students will evaluate trials to reveal not only a society's practice of adjudication and system of jurisprudence, but also its often hidden beliefs, customs, and cultural values.

Note: This is a seminar-based course.

Prerequisites: 18 credits at the 1100-level or higher, including HIST 1114

Transferable (refer to transfer guide)

HIST 3320 CR-3 (formerly HIST 2400)

The Balkans from 1543 to 1918

Students will critically analyze the history of the Balkan Peninsula and its peoples from the period of Ottoman rule to the establishment of independent states after the First World War. They will evaluate the impact of Ottoman domination, on the forces that led to its disintegration and the region and analyze the subsequent struggle to achieve independence. They will also analyze the ways in which historians have approached the history of the Balkan Peninsula.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

HIST 3327 CR-3 (formerly HIST 2327)

History of Russia to 1917

Students will critically analyze the major developments in, and the role of individuals who shaped pre-Bolshevik Russia. They will evaluate and analyze political, cultural, and social developments beginning with the rise of Muscovite Russia and the evolution of Russian absolutism, and concluding with an analysis of the last years of Imperial Russia, war, and revolution. Students will focus on the relationship between the autocratic state and Russian society. Students will also be introduced to the historiography of Imperial Russia.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

HIST 3328 CR-3

History of the Soviet Union

Students will critically analyze the major developments in, and the role of the individuals who shaped Soviet history from 1917 to 1991. They will evaluate and analyze political, cultural, and social developments, including the revolutionary era, the New Economic Policy, Stalinism and its implications, Destalinization under Khrushchev, and the Brezhnev era. Students will critically evaluate the Gorbachev era and analyze the reasons for and implications of the eventual disintegration of the Soviet Union. They will also analyze the ways in which historians have approached the history of the Soviet era.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

Transferable (refer to transfer guide)

HIST 3330 CR-3**Germany in the Long Nineteenth Century (1789 - 1914)**

Students will critically analyze key issues in the creation, expansion, and ultimately the collapse of Imperial Germany, a process which consumed much of what historians have labeled the 'long nineteenth century'. They will critically examine questions of national identity, state formation, economic, social, and cultural development, with specific focus on issues such as militarism, religious conflict, the evolution of political ideologies, 'the history of everyday life', and the vitality of German culture. Students will also examine and analyze important historiographical debates throughout the course.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

Transferable (refer to transfer guide)

HIST 3331 CR-3**Twentieth Century Germany**

Students will analyze the political, economic, social, and cultural development of Germany in the twentieth century. They will critically examine the impact of the First World War on the creation and ultimate failure of the Weimar Republic. Students will also examine the connection between the failure of Weimar and the rise of Adolf Hitler and the National Socialists. They will critically analyze the global impact of the rise of Nazism and of the Holocaust, linking these events to the postwar development in East - West Germany and the events which led to reunification in 1990. Students will also examine and critique important historiographical debates throughout the course.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

Transferable (refer to transfer guide)

HIST 3340 CR-3**The Civil War and Reconstruction**

Students will critically analyze the events leading to the American Civil War (1861-1865), the four years of the conflict, and Reconstruction through 1877. They will critically evaluate and analyze the development of the Southern plantation economy versus the industrial North, the growing division between North and South over the issue of the expansion of slavery into the west, the breakdown of the major national parties, the rise of the Republican Party, and secession. They will critically analyze the social, economic, political, and military nature of the war and its effects on race and gender in the United States. Students will also evaluate the impact of the freeing of slaves and the consequences of Reconstruction on American society up to 1877. They will examine and critique the latest scholarship on the Civil War and Reconstruction.

Note: This is a seminar-based course.

Prerequisites: 6 HIST credits (HIST 1146 strongly recommended) plus 18 credits at 1100-level or higher

Transferable (refer to transfer guide)

HIST 3344 CR-3**Colonial America**

Students will critically analyze the social, cultural, religious, economic, and political development of Colonial America from the time of contact between indigenous peoples and the European explorers and colonizers to the eve of the American Revolution. They will evaluate the growth and nature of the Southern, Middle and New England colonies, the interaction between indigenous, European, and African peoples; and the imperial struggle between the English, French, and Spanish empires in America. Students will examine in detail the diversity of peoples in Colonial America and the formation of an American political culture by the 1760s. They will also analyze the ways in which historians have approached the history of Colonial America.

Prerequisites: 6 HIST credits (HIST 1145 strongly recommended) plus 18 credits at 1100-level or higher

Transferable (refer to transfer guide)

HIST 3345 CR-3**History of the American West**

Students will critically analyze the history of the American West, from the time of colonization to the twentieth century. They will critically examine key topics such as the interaction of diverse peoples west of the Mississippi River, the policies of the United States government in directing western settlement, the rise of territorial governments and communities, exploitation of natural resources, the role of women and ethnic minorities in western life, and the significance of the West in the history of the United States as a whole. Students will critically analyze various historical perspectives on the American West throughout the course.

Prerequisites: 6 credits of HIST including one of HIST 1145 or HIST 1146 or HIST 2304

Transferable (refer to transfer guide)

HIST 3346 CR-3**History of the American Revolution 1760-1791**

Students will examine the various causes and consequences of the American Revolution. They will explore the political, social, economic, and cultural impact that the War for Independence had upon the formation of the United States. Students will develop critical reading and research skills by evaluating the historiography of the American Revolution.

Prerequisites: 18 credits at 1100 level or higher and 6 credits of HIST (HIST 1145 or 1146 or 2304 is strongly recommended.)

Transferable (refer to transfer guide)

HIST 3350 CR-3**China in the Twentieth Century: Reforms and Revolutions**

Students will examine the tumultuous history of the world's largest country from the Boxer Rebellion to the dawn of the twenty-first century. They will critically analyze the interplay between indigenous culture and institutions and external models which has marked this period of Chinese history more than any other. They will examine in detail how and why China attempted to use what had worked in other countries to force external solutions onto intractable Chinese reality. Throughout the course they will also critically appraise the historiographical debates on the ways that Chinese leaders, intellectuals and citizens from the Qing dynasty to the Communist Party creatively adapted and even changed what they had received from abroad into their own unique syntheses.

Note: This is a seminar-based course.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits

HIST 3360 CR-3**British India 1857 to 1947**

Students will critically examine developments in Indian society and culture during the period of British Raj, including the establishment and structure of British rule, the origins and growth of the independence movement, the evolution of political institutions, and the emergence of post-colonial independent states on the subcontinent.

Note: This is a seminar-based course.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits (HIST 1160 strongly recommended)
Transferable (refer to transfer guide)

HIST 3361 CR-3**Indian Subcontinent since 1947**

Students will critically analyze the political, social, and cultural developments since independence in 1947 in the states of the Indian subcontinent: India, Pakistan, and Bangladesh. They will examine developments such as the evolution of nationalism, the construction of political and administrative systems, cultural and social changes, inter-state relations, and major political and economic events and developments to the end of the twentieth century.

Note: This is a seminar-based course.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits (HIST 1160 strongly recommended)

HIST 3370 CR-3**History of Modern Japan**

Students will critically examine the history of Japan during the late nineteenth and twentieth centuries. They will analyze the impact of the West, the formation of the modern imperial state, social conflict during the Taisho period, the creation of the Japanese empire, the China and Pacific Wars, the Occupation Era, and the structural realignments of the postwar period. In addition to exploring social, cultural, political, and economic changes during this period, students will also critically examine the evolution of Japanese understandings of 'modernity' and 'tradition' and the construction of modern Japanese identity.

Prerequisites: 18 credits of 1100-level or higher, including 6 HIST credits
Transferable (refer to transfer guide)

HIST 3380 CR-3**World War Two in the Pacific**

Students will critically examine the history of the Second World War in the Pacific. They will analyze various aspects of the conflict, including the rise of militarism in Japan, the origins of the Sino-Japanese War, the Rape of Nanjing, the attack on Pearl Harbor, the reasons for the early Japanese victories, the Allied counter-offensive, the war at sea, the role of race and propaganda, strategic bombing, the decision to drop the Atomic Bombs, and the aftermath of the war in Asia. Students will also explore the impact of the war on individuals through the critical examination of memoirs from participants on all sides of the conflict.

Note: This is a seminar-based course.

Prerequisites: 12 HIST credits (including 6 credits at the 2000-level or higher) (HIST 2335 and/or HIST 3770 highly recommended)
Transferable (refer to transfer guide)

HIST 3390 CR-3**Canada and World War I**

Students will analyze key issues related to Canada's participation in the First World War. They will critically examine the impact of war on Canada including topics such as propaganda, military leadership, conscription, pacifism, government programs, the suspension of civil liberties, reform movements, and the legacy of the war. Students will critically analyze questions such as whether Billy Bishop was a Canadian hero; whether Canada achieved international recognition and emerged as a distinct nation due to its role in the war; and how the war has been remembered in film, literature, music, and monuments. Students will learn to evaluate both primary and secondary sources in order to assemble evidence in support of a historically sound argument.

Note: This is a seminar-based course.

Prerequisites: 9 credits of HIST 1100-level or higher including HIST 1114

Transferable (refer to transfer guide)

HIST 3392 CR-3**The Home Front: Britain during World War II**

Students will critically analyze key events and developments in British society during the Second World War. In particular, they will scrutinize the mythology of the 'People's War' through an examination of public participation and morale during the conflict. Students will critically examine leisure, the arts, propaganda, gender, class, and social identity, as well as the more tangible aspects of a nation at war: the Blitz and the impact of the war fought on the home front, rationing, the presence of foreign troops on British soil, law and order, politics, and the emergence of a more egalitarian vision for the post-war era.

NOTE: This is a seminar-based course.

Prerequisites: 12 credits of HIST at the 1100-level or higher
Transferable (refer to transfer guide)

HIST 3397 CR-3**Guerillas in the Mist: Terrorism in the Modern World**

Students will critically examine the role and impact of guerrilla organizations and terrorist groups in the modern world. They will weigh popular claims that terrorist groups accomplish little of substance against the actual achievements of guerrilla organizations and terrorist groups in the twentieth century and at present. Students will analyze movements which emerged in such places as China, Japan, the Middle East, Europe, Central and South America, Africa, and Central Asia. They will also critically examine the major theorists of guerrilla warfare including Mao Zedong and Ché Guevara and will critically examine the nature and implications of terms such as 'guerilla,' 'terrorist,' and 'freedom fighter'.

Prerequisites: 12 HIST credits (including 6 credits at the 2000-level or higher) (HIST 2335 strongly recommended)
Transferable (refer to transfer guide)

HIST 4400 CR-3

Applications of History

Students will critically evaluate whether the pursuit of an understanding of the past is either a desirable or an attainable objective. They will undertake a critical examination of historical methodology as currently practiced, analyzing questions such as: Does history provide authentic and relevant knowledge? What constitutes valid historical research and evidence? What is unique about historical analysis? What is the significance of competing schools of historical interpretation? Why is the past so often the subject of controversy in popular and public culture? How do we come to know history outside the classroom? What is the relationship between popular presentations of the past and scholarly writings about history?

Note: This is a seminar-based course.

*Prerequisites: 12 HIST credits, including 6 HIST Credits at the 2100-level or higher
Transferable (refer to transfer guide)*

HIST 4407 CR-3

British Society and Culture, 1900-2000

Students will interpret key issues in the development of Britain's social and cultural history through the twentieth century. They will critique the concept of the nation in decline, in light of Britain's continuing cultural contributions. Students will also explore the changing face of social class and the interplay between this and the development of modern British culture—both 'high-' and 'low-brow'. Students will analyze developments as far-ranging as the decline of aristocracy and the emergence of Pop Art in the 1960s, to the emergence of a middle class hegemony and the creation of Margaret Thatcher's "nation of home owners".

Note: This is a seminar-based course.

*Prerequisites: 12 HIST credits, including 6 at the 2000-level (HIST 2307 strongly recommended)
Transferable (refer to transfer guide)*

HIST 4420 CR-3

Europe in the "Age of the Dictators"

Students will undertake an in-depth analysis of European dictatorships from 1918 to 1945. They will examine and critically analyze the phenomenon of dictatorship within its European political, social, economic, and cultural context. Students will focus primarily on the dictatorships of the Soviet Union and Nazi Germany, but other European dictatorships will receive consideration as well. Students will develop a stronger and more sophisticated understanding of European dictatorship through an examination of the extensive and controversial literature that exists on the topic.

Note: This is a seminar-based course.

*Prerequisites: 45 credits at 1100-level or higher, including 12 HIST credits (HIST 1120, HIST 1130, HIST 3328, or HIST 3331 strongly recommended)
Transferable (refer to transfer guide)*

HIST 4430 CR-3

The Holocaust in History

Students will critically analyze the origins, causes, progression, and development of the National Socialist campaign against the Jews and the so-called "Undesirables" who found themselves living in Hitler's Europe. They will utilize an interdisciplinary approach to examine and analyze the groups and individuals involved in the Holocaust, including perpetrators, victims, bystanders, resistance fighters, and rescuers. Students will also critically evaluate the meaning, impact, and aftermath of the Holocaust through readings, films, and discussions, paying particular attention to the interrelationships among technology, bureaucracy, and genocide. They will evaluate in-depth the historiographical debates concerning the origins, evolution, impact, and memorialization of the Holocaust.

Note: This is a seminar-based course.

*Prerequisites: 12 HIST credits, including 6 at the 2000-level
Transferable (refer to transfer guide)*

HIST 4435 CR-3

Genocide in the Twentieth Century

Students will utilize an interdisciplinary approach to critically analyze the phenomenon of genocide. They will undertake a comparative evaluation of a number of outbreaks of genocide during the twentieth century. Students will also critically examine and evaluate the historiographical and philosophical debates on this topic, especially in regard to how genocide has been defined and the relationship between definition and the interpretation of historical events.

Note: This is a seminar-based course.

*Prerequisites: 12 credits of HIST including 6 HIST credits at the 2000-level
Transferable (refer to transfer guide)*

HIST 4445 CR-3

The United States since 1945

Students will critically examine the emergence of the United States as a global superpower in 1945. They will critically analyze the impact of rising national prosperity, coupled with growing tensions with the Soviet Union, and the profound changes which these two factors brought to American society. Students will examine the pressures placed upon an enlarged federal government to expand social programs and civil rights, even as many Americans deplored the growth of the welfare state. Throughout this course students will undertake an in-depth analysis of the impact of the Cold War on American foreign policy and society, the politics of the social welfare state, the civil rights struggles, the war in Vietnam, cultural trends, Watergate, environmentalism, the neo-conservative revolution, and the challenges of a changing world order since the 1990s. They will develop critical intellectual skills through an understanding of current historical interpretations of the US since 1945.

Note: This is a seminar-based course

Note: For graduation purposes, students may not receive credits for both HIST 2370 and 4445

*Prerequisites: 9 credits of HIST at the 1100-level or higher and HIST 1146
Transferable (refer to transfer guide)*

HIST 4450 CR-3**China and the West**

Students will critically analyze the mutually influential relationship between China and the West from early medieval contact through to the end of the twentieth century. They will examine and analyze both sides of this 'Great Encounter' through a combination of chronological and thematic perspectives. Students will investigate myths such as China's supposed backwardness or its reputedly 'monolithic, unchanging, and isolationist' attitudes towards other cultures. They will also apply the same critical perspective to the examination of the West's own periodic bouts of Sinomania and Sinophobia.

Note: This is a seminar-based course.

Prerequisites: (12 HIST credits including 6 credits HIST 2100-level or above) and HIST 2350

Transferable (refer to transfer guide)

HIST 4455 CR-3**Sages and Statecraft in China**

Students will critically examine a variety of Chinese historical texts in translation dealing with subjects such as the art of governing, the role of government, the ethical basis of rulership, and the relationship between the state and the people. They will analyze selections by authors such as Lord Shang, Confucius, Mencius, Lao Zi, Han Fei Zi, Liang Qichao, Sun Yat-sen, and Mao Zedong. Students will use primary documents to conduct guided research on questions such as the following: Is there a Chinese concept of human rights? Is democracy alien to the Chinese political tradition? To what extent did Maoism reflect the Chinese political tradition? Have historians been able to identify a unique Chinese political tradition? What are the problems associated with applying concepts derived from Western political theory to the study of Chinese history?

NOTE: This is a seminar-based course

Prerequisites: (12 HIST credits including 6 credits HIST 2100-level or above) AND (HIST 2350 or HIST 3350)

Transferable (refer to transfer guide)

HIST 4460 CR-3**Gandhi in History**

Students will critically analyze the evolution of Mohandas K. (Mahatma) Gandhi's concept of Satyagraha, or non-violent non-cooperation. They will critically analyze the application of this concept during Gandhi's political activities in South Africa and as the recognized leader of the independence movement in India. Students will also critically evaluate Gandhi's influence on other non-violent, non-cooperative methods of political activism during the Twentieth Century, including the Civil Rights movement in the United States and the anti-apartheid movement in South Africa.

Note: This is a seminar-based course.

Prerequisites: HIST 2361 or HIST 2362 or 12 credits of HIST courses (6 at 2000-level or higher)

Transferable (refer to transfer guide)

HIST 4470 CR-3**Warriors of Japan: The Samurai**

Students will examine and critically analyze the unique history and culture of Japan's samurai warrior class, from its ancient origins to its transformation under the Tokugawa regime and its spiritual reincarnation in modern times. They will also critically examine the construction and transformation of bushido (the way of the warrior) from pre-history to the present. Students will focus on two central themes: the historical reality of the samurai and the construction of samurai mythology both in Japan and abroad. They will analyze the course material through a variety of sources, including primary documents relating to samurai life, the samurai tales of the pre-modern period, and Japanese and foreign cinematic portrayals of the samurai and bushido.

Note: This is a seminar-based course.

Prerequisites: 12 credits of HIST, including 6 at the 2000-level (HIST 1150 or HIST 1151 strongly recommended)

Transferable (refer to transfer guide)

HIST 4480 CR-3**The Vietnam War in Historical Perspective**

Students will analyze key issues related to the history of the war in Vietnam. They will critically examine topics such as the French role in Indochina, the motivations behind American involvement in the region, the nature of the war itself, cultural assumptions underlying the war, the impact of the war both within the United States and in Indochina, the legacy of the war with respect to regional and global history, and the memorialization of the war in film, literature, music, and monuments. Students will learn to evaluate both primary and secondary sources in order to assemble evidence in support of an historically sound argument.

Note: This is a seminar-based course.

Prerequisites: 12 credits of HIST at the 1100-level or higher (HIST 1146 strongly recommended.)

Transferable (refer to transfer guide)

HIST 4485 CR-3**The Great Strategists**

Students will critically analyze the evolution of military strategy around the world, its relationship to technology, politics, and culture, and its impact on the conduct of warfare throughout history. They will critically analyze the influence of selected writings by strategists such as Sun Zi, Thucydides, Chinggis Khan, Khalid ibn al-Walid, Napoleon, Carl von Clausewitz, Antoine-Henri Jomini, Alfred Thayer Mahan, Ivan Bloch, Giulio Douhet, Hans Guderian, and Mao Zedong. Students will also critically analyze the concept of "Just War", the role of morality in war, and the writings of influential pacifists and critics of war such as Leo Tolstoy and Aldous Huxley.

Note: This is a seminar-based course.

Prerequisites: 12 HIST credits, at least 6 credits at the 2000-level or higher (HIST 2335 strongly recommended)

Transferable (refer to transfer guide)

HIST 4490 CR-3

History of British Columbia

Students will critically examine some of the most significant social, cultural, political, and economic developments in British Columbia's history, including colonization, settlement, ethnic relations, environmental issues, women's roles, government policies, counterculture, and public education. Students will assess the province's past and, through this, gain an understanding of how historical forces have shaped our society. Students will critically analyze B.C.'s distinctive development, guided by the 1870 dictum of Dr. John Sebastian Helmcken, who stated that "British Columbia is in, but not of Canada".

Note: This is a seminar-based course.

Prerequisites: 45 credits at the 1100-level or higher, including 6 credits of 2XXX History (HIST 1113 or 1114 or GEOG 1160 strongly recommended)

Transferable (refer to transfer guide)

HIST 4491 CR-3

Québec in Canada

Students will critically examine the development of Québec society since 1867, focusing on the interplay between tradition and modernization in the development of the modern Québec identity, as well as the sometimes stormy relationship between French- and English-speaking Canadians within modern Canada. They will critically evaluate the contrast between the optimistic hopes of the Confederation period and the realities of building a transcontinental nation out of two vastly different cultures. Students will critically examine original documentary material, in translation, on issues such as the role of Catholicism in society, the tensions and cleavages within the French-speaking community, the importance of the independence movement, and the place of non-Francophone minorities.

Note: This is a seminar-based course.

Prerequisites: 12 HIST credits; at least 6 credit at the 2000-level or higher (HIST 1113 or HIST 1114 strongly recommended)

Transferable (refer to transfer guide)

HIST 4497 CR-3

Canada and World War II

Students will analyze key issues related to Canada's participation in the Second World War including patriotism, morality, leadership, propaganda, state intervention, the suspension of civil liberties, technology, foreign relations, gender roles, and the legacy of the war. Students will focus on the homefront as well as the battlefield.

Note: This is a seminar based course.

Prerequisites: 45 credits at the 1100-level or higher, including 6 credits of HIST 2XXX

Transferable (refer to transfer guide)

HIST 4499 CR-3

Selected Topics in History

Students will engage in the study of a particular issue in the discipline of history. They will critically analyze the topic from a broad variety of perspectives, thereby developing a comprehensive understanding of both the issue itself and the related historiography. Students will critically evaluate a number of methodological approaches, assess the implications of these approaches, and identify their strengths and weaknesses.

Note: This is a seminar course. This course may be repeated more than once for credit, to a maximum of 12 credits.

Prerequisites: 45 Credits of 1100 level or higher courses, including 9 HIST credits

Not Transferable

HORTICULTURE (HORT)

HORT 1101 CR-0.5

Pesticide Applicator/Dispenser Certification

Students will learn about pesticides and their use and about federal, provincial and municipal laws governing personnel and environmental issues. Successful completion of the course depends upon students obtaining a 5-year pesticide applicator/dispenser certificate.

HORT 1102 CR-3

Botany for Horticulture

Students will study the morphology, anatomy, physiology, and sexual reproduction of plants. They will apply appropriate plant taxonomy and nomenclature to the major plant families used in horticulture. Students will work with fresh and preserved plant material, and demonstrate different aspects of plant physiology in the laboratory in order to provide an understanding of current horticultural practices. They will apply concepts of plant sciences to examine current events and global issues.

HORT 1104 CR-3

Soils and Growing Media

Students will study the components and properties of soils and growing media. They will discuss the characteristics of organic matter and biological activity within the soil profile. Students will study how plant growth is affected by soil and growing media properties such as pH, nutrient retention, salinity, and the movement and retention of water. They will examine plant nutrient deficiencies, fertilizer types, and liming recommendations. Students will practice basic soil sampling and testing methods and discuss environmental issues involving soil and growing media practices.

Prerequisites: Any Math 11 or equivalent or ACP Math Assessment Test

HORT 1105 CR-1 (formerly HORT 1101)

BC Pesticide Applicator Certification

Students will learn how to protect human health and minimize the risks to the environment when selecting and applying pesticides. They will study federal and provincial legislation and municipal bylaws that govern pesticide use in British Columbia. Students will learn how pesticides are registered, classified and labeled for legal use in Canada. They will identify components and calibration of pesticide application equipment and perform related calculations. Students will write the BC Ministry of Environment Pesticide Applicator examination upon course completion. Students must achieve a 1 year BC Provincial Pesticide Applicator Certification to pass this course.

HORT 1110 CR-3**Introduction to Sustainable Horticulture**

Students will consider horticulture within a social context and social responsibility, exploring the inter-relatedness between environment, society, and economy. They will differentiate between conventional and sustainable practices in different horticultural disciplines: greenhouse production, nursery, turf, and landscape. Students will study the core issues of water use, soil management, energy consumption, air quality/pollution, and land use. They will employ critical thinking to analyze the underlying topics of urban land planning, crop diversity, genetic modification, and bioproducts/bioprocessing. Students will investigate sustainability within a frame work of the history of agriculture and horticulture, food and amenity systems within ecology, and the rise of organic cultivation.

HORT 1116 CR-2**Introductory Equipment Maintenance**

Students will be introduced to basic machinery and mechanical systems used in horticulture. They will perform preventative maintenance and troubleshooting procedures on horticulture equipment. Safe work practices will be covered.

HORT 1118 CR-3 (formerly HORT 1116)**Basic Machinery Operation and Maintenance**

Students will be introduced to horticulture machinery. They will perform preventative maintenance. Students will safely demonstrate machinery operation. Students will complete a Workplace Hazardous Materials Information System (WHMIS) Certificate.

HORT 1119 CR-3**Landscape and the Environment I**

Students will examine social, ecological, and economic principles of sustainability within the context of residential landscapes. They will relate natural processes, human values, and technology in a systems approach to landscape planning, installation, and maintenance that mitigates environmental degradation. Students will examine practical adaptive landscape strategies including biodiversity, green roofs, and absorptive landscapes.

HORT 1122 CR-2**Introduction to Landscape Practices**

Students will be introduced to the scope and breadth of the landscape industry. They will study basic landscape installation and maintenance including concrete structures, pathways, and plant material. Students will also practice basic landscaping equipment operations. They will be required to complete individual work practice sessions outside of formal class time.

HORT 1124 CR-3 (formerly HORT 1122)**Landscape Gardening Methods**

Students will be introduced to professional landscape gardening. They will explore products, services, machines, equipment, tools, and resources associated with the landscape horticulture industry. Students will study gardening techniques and standards, and will participate in hands-on activities to develop gardening skills.

HORT 1132 CR-3 (formerly HORT 1134)**Turf Maintenance Operations**

Students will operate machinery at the School of Horticulture Field Lab to gain practical experience in turf maintenance. They will engage in tasks including mowing, cultivation, topdressing, seeding, sodding, and sand trap maintenance. Students will explore employment opportunities in the turfgrass industry.

HORT 1134 CR-2**Turf Maintenance Operations**

Students will perform work on the School of Horticulture golf course and grounds to gain practical experience in turf maintenance. They will engage in tasks including reel, rotary, flail mowing, core cultivation, topdressing, seeding, sodding, sand trap maintenance, and other tasks as required to maintain a variety of turf operations. Students will be required to complete individual work practice sessions outside of formal class time.

HORT 1155 CR-3**Introduction To Plant Materials**

Students will practise skills that will enable them to identify a wide range of plants used in all segments of horticulture. They will study the physical characteristics used in field identification of plants. Students will learn to recognize patterns of growth common to plant family and genera. They will perform plant classification for a number of plants.

Not Transferable

HORT 1171 CR-2**Production Practices - Fall**

Students will study essential horticultural principles and will work in School of Horticulture and commercial greenhouse facilities to gain experience in basic horticultural labour and equipment operations. They will maintain and harvest fall season crops, such as poinsettias, chrysanthemums, cut flowers, potted plants, greenhouse vegetables, and forestry crops. Students will be required to complete individual work practice sessions outside of formal class time.

NOTE: Fieldtrips to commercial operations are an integral part of this course.

HORT 1172 CR-2 (formerly HORT 2472)**Forest Seedling Production**

Students will study the culture of forestry seedling crops grown in BC nurseries, focusing on native conifer species. They will be introduced to the structure of the forest seedling industry, seed handling and sowing, stocktypes, production cycles, cultural requirements, and post-harvest handling. Students will examine the influence of both silviculture and agroforestry practices on forest seedling operations.

HORT 1193 CR-3 (formerly HORT 1171)**Crop Production Practices**

Students will explore essential principles and practices of horticulture production. Students will perform basic horticultural crop operations in the School of Horticulture greenhouse, nursery and field crop facilities, using conventional and alternative production systems. They will maintain and harvest seasonal flower and vegetable crops. Students will also identify plant species important in commercial production. Students will attend field trips to horticulture industry operations and prepare field trip reports as an essential part of this course.

HORT 1217 CR-3**Foundations of Plant Health**

Students will study the biology of pests (including insects, mites, and vertebrates) to select a combination of cultural, chemical, physical, and biological control methods. They will work with diseases and disorders of plants that compromise plant health, and they will demonstrate concepts of the spread of disease. Students will identify weed specimens to select appropriate control measures. They will discuss the tenets of integrated pest management and apply them to commercial horticultural situations.

HORT 1224 CR-3 (formerly HORT 1220)**Landscape Drafting**

Students will study basic drafting techniques and standards. They will also practise drafting skills through a series of manual and computer assisted drafting exercises. Students will practice the proper use of drafting tools, techniques, and a computer assisted design program.

HORT 1230 CR-3**Sustainable Turf Management**

Students will study and apply principles for the establishment and maintenance of sustainable turf. They will select and apply fertilizers, compost materials, and other amendments. Students will develop cultural programs for low maintenance lawns, lawns in sustainable landscapes, and organic lawns. They will review and discuss current issues affecting the ecology, function, use, and maintenance of turf in modern society.

HORT 1232 CR-3 (formerly HORT 2335)**Sports Turf Management Practices**

Students will explore management techniques for specialized turf areas such as football, rugby and soccer fields, baseball diamonds, bowling greens, and grass tennis and croquet courts. They will examine the management of alternative sports surfaces such as synthetic turf athletic fields, skinned baseball infields, clay and asphalt tennis courts, and hybrid turf and synthetic sports fields. Students will practice sports turf maintenance. They will prepare abstracts from relevant journal articles.

Prerequisites: HORT 1230 or equivalent

HORT 1240 CR-3**Arboriculture I**

Students will study the relationships between plant function and plant form and structure. They will gain practical experience, as weather permits, in pruning a wide range of trees and shrubs using hand pruning tools, power hedge trimmers, and a chipper.

Prerequisites: HORT 1155 or equivalent

HORT 1246 CR-1.5**Plant ID for Production**

Students will practice the identification of plant species produced in commercial greenhouses and nurseries in varying stages of growth. They will also learn about the use of plants, their growing seasons, and their market value.

Prerequisites: HORT 1155 or HORT 1145 or HORT 1125 or HRTA 1125

HORT 1255 CR-1.5**Plant Identification 2**

Students will enhance their plant identification skills learned in HORT 1155 through field identification of trees, ground covers, vines and other plants. They will discuss each plant with respect to shape, branching patterns, flower, leaf and fruit characteristics, growing requirements and use in the landscape.

Prerequisites: HORT 1155

HORT 1261 CR-3**Plant Propagation**

Students will discuss the main topics of plant propagation with a view towards sustainable practices. They will perform all aspects of seed propagation including seed storage, seed quality, seed dormancy, and the maintenance of environmental factors affecting seed germination. Students will perform micropropagation in a tissue culture laboratory. They will also perform traditional vegetative propagation (cuttings, grafting, division, layering, and specialized stems and roots) and discuss the proper environment used for each technique. Students will discuss plant breeding and contrast propagation methods used for native plants and plant clones.

Prerequisites: HORT 1102 or equivalent

HORT 1271 CR-2**Production Practices - Spring**

Students will perform in the School of Horticulture and commercial greenhouse facilities to gain experience in basic horticultural labour and equipment operations. They will maintain and harvest winter and spring season crops, such as Easter lilies, cut flowers, bedding plants, potted plants, greenhouse vegetables, and forestry crops. Students will be required to complete individual work practice sessions outside of formal class time.

NOTE: Fieldtrips to commercial operations are an integral part of this course.

HORT 1293 CR-3 (formerly HORT 1271)**Crop Production Operations**

Students will perform and evaluate basic crop operations in conventional and alternative production systems. They will maintain and harvest seasonal greenhouse and field crops. Students will select and schedule horticultural crops. Students will also identify plant species important in commercial production. Students will attend field trips to commercial operations as an essential part of this course.

HORT 2300 CR-2**Horticultural Work Experience**

Students will participate in an approved work experience in the horticulture industry. They will apply their landscape, turf or production horticultural skills in a commercial setting. Upon completion of the work experience students will prepare a written report and give an oral presentation on their experiences.

Prerequisites: HORT 1122 or HORT 1134 or HORT 1171 or HORT 1271

HORT 2302 CR-1**Horticulture Work Experience**

Students will engage in paid employment at an instructor approved landscape, turf or production work setting. They will record work place activities and insights about their work experiences. Students will document 455 hours of work experience to achieve mastery in this course.

Prerequisites: HORT 1122, HORT 1124, HORT 1134, HORT 1132, HORT 1171, HORT 1271, HORT 1193 or HORT 1293

HORT 2304 CR-2**Grounds Machinery**

Students will study, operate, and maintain the turfgrass equipment used in a modern golf course or parks facility. They will perform maintenance and repairs on the machinery used for turf cultivation, renovation, mowing, spraying, and other types of grounds maintenance. Students will discuss the selection and purchasing of machinery. They will propose and design a turf care facility within the context of sustainable practice.

Prerequisites: [HORT 1116 or (HORT 1107 and HORT 1108)] and [HORT 1230 or HRTA 1230 and HRTA 1231 and HRTA 1232]

HORT 2306 CR-1 (formerly HORT 2300)**Work Experience Report**

Students will summarize their work experience and insights orally and in writing. They will participate in class discussions.

Prerequisites: HORT 2302

HORT 2308 CR-3**Landscape Pest Management**

Students will undertake a detailed study of specific pest and disease problems common to ornamental and native trees, shrubs, ground covers, annuals, and turfgrasses, with an emphasis on diagnosis. They will apply knowledge of pest life cycles, site analysis, and customer expectations to make appropriate control recommendations for various scenarios as consultants. Students will practice the use of a variety of pest control application technologies.

Prerequisites: HORT 1101, HORT 1102, HORT 1155, and HORT 1217

Not Transferable

HORT 2320 CR-3**Landscape Design 1**

Students will practice the basic principles of landscape design for single-family residential properties, including plant composition, creative problem solving, functional and design uses of landscape materials, client and maintenance criteria. They will prepare working drawings such as concept and planting plans for actual clients. Students will investigate the history of landscape design.

Prerequisites: (HORT 1224 or HORT 1220) and (HORT 1155 or HORT 1145) and (HORT 1255 or HORT 1225)

HORT 2327 CR-3 (formerly HORT 2320 and HORT 1224)**Sustainable Landscape Design I**

Students will study basic drafting techniques and standards. They will practice manual drafting and the proper use of a computer assisted design program. Students will examine the steps in the landscape design process for residential properties including sustainability principles. Students will apply drafting techniques and the landscape design process to produce and present landscape drawings such as concept and planting plans to actual clients.

Prerequisites: HORT 1155 or equivalent

HORT 2330 CR-3**Turfgrass and Environmental Stress**

Students will examine the effects of environmental stresses (including atmospheric, climatic, soil, and biotic stresses) on turfgrass growth, development, and function. They will discuss and apply management techniques, and will study the development of new techniques.

Prerequisites: HORT 1104 and HORT 1230 or (HRTA 1230 and HRTA 1231 and HRTA 1232)

HORT 2332 CR-3**Environmental Turf Management**

Students will explore turfgrass industry environmental issues. They will assess societal positions, conduct site assessments and investigate environmental protection techniques. Students will develop an action plan for the promotion of environmental protection practices on intensely managed turfgrass sites.

Prerequisites: HORT 1230 and (HORT 1132 or HORT 1134) or equivalent

HORT 2333 CR-3**Turfgrass Pest Management**

Students will undertake a detailed study of the pests and weeds common to turfgrasses, and plants associated with turfgrass areas. They will examine and discuss pest life cycles, plant symptoms, pest prevention and control, and pesticide storage and use. Students will also learn about the importance of integrated weed, pest, and disease management using a variety of methods including Internet resources, diagnostic CD-ROMs, and interaction with pest management colleagues. Students will practice using pest control equipment on outdoor turfgrass.

Prerequisites: HORT 1230 and [(HORT 1201 or (HORT 1101 and HORT 1207) or (HORT 1101 and HORT 1217) or HRTA 1200 and HRTA 1201]

HORT 2334 CR-3**Irrigation, Drainage and Lighting**

Students will study the soil-water-plant relationship as it applies to landscape irrigation and drainage. They will maintain, install, and design irrigation and drainage systems with a focus on residential or small-scale systems. They will also study the installation and maintenance of landscape lighting.

Prerequisites: Principles of Math 11 or Applications of Math 11 or ABEM 0082 or 0011 or PSPM 1082 or MATP 1011 or HORT 1094 or MATH 1093 or a Horticulture Math placement exam with a C

HORT 2335 CR-2.5**Sports Turf Management Practices**

Students will study and apply management techniques for specialized turf areas such as football, rugby and soccer fields, baseball diamonds, bowling greens, grass tennis and croquet courts. They also examine the management of alternate sports surfaces including synthetic turf athletic fields, skinned baseball infields, clay and asphalt tennis courts, and hybrid turf/synthetic sports fields. Students will practice sports turf maintenance.

Prerequisites: HORT 1230 or HRTA 1230 and HRTA 1231 and HRTA 1232

HORT 2355 CR-3**Plant Identification 3**

Students will identify annuals, biennials, perennials, bulbs, ornamental grasses, shrubs, and trees, including native materials. They will discuss each plant with respect to form, texture, habit, foliage, flower and fruit characteristics, cultural requirements, and use in gardens and specialty landscapes.

Prerequisites: HORT 1155 or HORT 1145

HORT 2371 CR-3**Fall Floriculture**

Students will describe and apply the general floriculture production principles and commercial practices of selected cut flower crops grown in the Canadian greenhouse industry. They will practice production techniques on flower crops grown in the Horticulture field laboratory greenhouses. Students will examine sustainable production practices and sustainable certification programs used in the floriculture industry.

Prerequisites: (HORT 1171 or HORT 1271) and (HORT 1201 or HORT 1217 or HRTA 1201)

HORT 2372 CR-3**Greenhouse Vegetable Production**

Students will study and practice the culture and management practices of greenhouse vegetable crops, including propagation methods, production of the crop, end of year clean-up, marketing, and economics of vegetable production. They will study temperature, nutrition, crop scheduling, integrated pest management and variety selection. Students will grow tomatoes, cucumbers, and sweet peppers. Minor protected crops will also be examined. They will study food safety legislation and safe food handling practices.

Prerequisites: (HORT 1217 or HORT 2378) and (HORT 1171 or HORT 1271)

HORT 2375 CR-3**Production Facilities and Equipment**

Students will study the essential elements of greenhouse site selection and site layout. They will analyze the features and benefits of common types of greenhouse structures and covering materials. Students will investigate benching types and layouts, irrigation systems, and greenhouse components. Other specialized systems, such as heating systems, will also be covered. During labs, students will monitor and maintain greenhouse facilities and equipment. Visits to commercial greenhouse operations will introduce concepts of mechanization, relating this to classroom exercises on horticulture ergonomics and efficiency.

Prerequisites: HORT 1116 or (HORT 1107 and HORT 1109)

HORT 2378 CR-3**Production Horticulture Pests**

Students will study the major pests and diseases (including insects and mites; bacteria, fungi, nematodes, parasitic plants, and viruses) of greenhouse and nursery crops, and mushroom farms. They will learn pest identification in the laboratory and on site by working with live specimens that they collected. Students will practice monitoring and implementing control methods in crops. They will evaluate integrated pest management programs using a variety of resources.

Prerequisites: HORT 1101, HORT 1102, and HORT 1217
Not Transferable

HORT 2393 CR-3 (formerly HORT 2371)**Crop Production Performance**

Students will apply and evaluate commercial production principles and practices to greenhouse and field crops (grown at the School of Horticulture Field Lab facilities). Students will describe the horticulture crop production industries in BC and Canada. Students will examine traditional and sustainable crop production systems. Students will attend field trips to commercial horticulture operations as an essential feature of the course.

Prerequisites: (Hort 1193 or 1293) and Hort 1217 or equivalent

HORT 2412 CR-3**Landscape Estimating and Contract Administration**

Students will learn to prepare, administer and manage contracts and estimates for landscape projects. They will study and practice techniques for writing landscape contracts, and discuss multiple approaches to preparing landscape estimates. Students will summarize insurance, bonds, liens, and explore the relationships between financial, cost and cash flow accounting systems as they relate to the operation and management of a landscape company.

HORT 2420 CR-3**Landscape Design II**

Students will explore the design challenges associated with residential sites and small scale public spaces. They will practice design skills such as cut and fill calculations, site and client analysis, and plant composition. Students will prepare working drawings such as grading plans, elevations and construction details.

Prerequisites: HORT 2320

HORT 2426 CR-3**Landscape Construction**

Students will explore both the theory and practice of landscape construction. They will have an opportunity to practice the construction and installation of landscape features such as patios, decks, retaining walls, ponds, fences, and arbors.

Prerequisites: HORT 1122 or HORT 1134 or HRTA 1321

HORT 2427 CR-3 (formerly HORT 2420)**Sustainable Landscape Design II**

Students will explore conventional and sustainable approaches to landscape design challenges associated with residential sites and small scale spaces. They will practise design skills such as client interviews, preparing site inventory and analysis diagrams, and grading sloped sites for level areas. They will assess material choices and design solutions that promote sustainability in landscape design. Students will prepare a portfolio including concept and working drawings such as planting, grading and layout plans, and construction details.

Prerequisites: HORT 2320 or HORT 2327

HORT 2432 CR-3 (formerly HORT 2304)**Grounds Machinery Maintenance**

Students will perform maintenance on turfgrass machinery used on a golf course or in parks facilities. They will repair and maintain machinery used for turf cultivation, renovation, mowing, spraying, and other types of grounds maintenance. Students will design a layout plan of a mechanics shop and storage facility following environmental and safety guidelines.

Prerequisites: (HORT 1118 or HORT 1116) and (HORT 1132 or HORT 1134) and HORT 1230 or equivalent

HORT 2436 CR-3**Golf Course Management**

Students will study the operation and management of the golf course in the context of golf as a recreational activity, a competitive activity, and a business. Students will assess the impacts of the rules of golf, the play of the game, environmental stewardship, the organization of the turf care operations, and the organization of the golf business on golf maintenance operations. They will also analyze best management practices.

Prerequisites: HORT 2330

HORT 2437 CR-3**Golf Course Irrigation Systems, Designs, and Operations**

Students will design, analyze, and maintain golf course and athletic field irrigation systems. They will analyze sprinkler head selection and performance, pumping systems, valves types, controllers, software, and pipe characteristics. Students will discuss issues of water use and water quality. Through laboratory exercises students will perform irrigation audits, calculate water delivery, and schedule irrigation.

Prerequisites: [HORT 1230 or (HRTA 1230 and HRTA 1231 and HRTA 1232)] and HORT 2331 or HORT 2334

HORT 2442 CR-3**Arboriculture II**

Students will analyze and practice tree risk assessment and plant diagnosis methods. They will analyze and practice tree preservation techniques, discuss preventative tree maintenance/repair, and methods of controlling plant growth.

Prerequisites: HORT 1240

HORT 2463 CR-3**Nursery Production**

Students will review and analyze all aspects of container and field nursery production (trees, shrubs, vines, and herbaceous perennials) in British Columbia. They will practice activities such as potting, weeding, pruning, fertilizing, and irrigation maintenance in the field lab nursery. Students will discuss current production trends and environmental guidelines.

Prerequisites: [HORT 1104 or (HRTA 1104 and HRTA 1105)] and HORT 1261

HORT 2472 CR-2**Forest Crop Production**

Students will study the culture and management of the forestry crops that are grown in Western Canada. They will develop management techniques for propagation, temperature and light control, fertilization, and integrated pest management for forest seedling crops.

HORT 2473 CR-3**Greenhouse Environment and its Control**

Students will study the control of environmental factors within a greenhouse including temperature, humidity, air circulation, lighting, and carbon dioxide. They will monitor and adjust greenhouse climate using instruments and computer control systems. They will explore energy management strategies for greenhouses.

HORT 2477 CR-3**Production Management**

Students will explore the decisions facing a production manager in a commercial greenhouse or nursery business, including crop selection, scheduling, space, time management, and costing. Students will develop a crop production plan as a major term project.

Co-requisites: HORT 2371 or HORT 2372 or HORT 2464 or HORT 2479 or HORT 2490 HORT 2371 or HORT 2372 or HORT 2464 or HORT 2479 or HORT 2490

HORT 2479 CR-3**Spring Floriculture**

Students will study general floriculture principles and the commercial production practices of selected flower crops and bedding plants grown in the Canadian greenhouse industry. They will practice production techniques on the flower crops grown in the Field Lab greenhouses

Prerequisites: HORT 2378 and (HORT 1171 or HORT 1271)

HORT 2490 CR-3**Organic Greenhouse Crop Production**

Students will differentiate between 'organic' and other greenhouse production systems against a background of plant breeding and genetic modification (GM) of organisms. They will identify appropriate organic accreditation standards. Students will investigate crop rotations, understand principles of producing good quality growing media, and explain principles of crop nutrition and disorders for greenhouse vegetables or flowers. Students will develop an integrated pest management (IPM) plan within organic constraints for a specific greenhouse crop, investigate the marketing of organic produce and identify FOODSAFE and Hazard Analysis and Critical Control Point (HACCP) production techniques.

HORT 2493 CR-3 (formerly HORT 2372)**Crop Production Development**

Students will apply commercial production principles and practices to selected crops. Students will also research the impact of cultural practices on crop development and will examine urban crop production systems.

Prerequisites: HORT 2393 and HORT 2378

HORT 2599 CR-3**Special Topics in Horticulture**

Students will engage in an intensive study of a selected topic in horticulture. They will critically analyze relevant literature and develop a working knowledge of particular theories, methods, practices, and themes. Students will question and evaluate recent developments in the topic area.

Note: the specific course content will be established in advance by the department. Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher.

Not Transferable

HORT 3210 CR-3**Applied Urban Ecosystems**

Students will examine the relationship between people, the urban environment, and green spaces. They will analyze these landscapes for patterns of successful design, biodiversity, and physical connections between urban green patches in the same geographic area. Students will also assess public landscapes for community accessibility and social interaction. They will prepare and present plans which will improve the sustainability and value of urban green spaces.

Prerequisites: (HORT 1110 and HORT 1155) or Admission to Year 3 of the Bachelor of Horticulture Science program

Not Transferable

HORT 3230 CR-3**Urban Watershed Planning**

Students will examine water flow through urban areas. They will study innovative watershed and storm water management techniques and develop sustainable water management solutions that minimize water use and maximize water conservation by using, Low Impact Development (LID) strategies.

Prerequisites: [(HORT 1104 or AGRI 2220) and MATH 1106 and ENVI 1117] or admission to year three of the Bachelor of Horticulture Science, Urban Ecosystems major
Not Transferable

HORT 3250 CR-3**Monitoring, Inventory, and Assessment of Plant Communities**

Students will monitor and inventory plant populations and plant communities to assess levels of biodiversity within urban ecosystems. They will design a monitoring study, implement the study in the field, and analyze the results.

Prerequisites: (HORT 1155 and 9.0 credits of HORT 2000 level courses) or admission to year three of the Urban Ecosystems degree
Not Transferable

HORT 3251 CR-3**Landscape and Environment 1**

Students will analyze the convergence between principles of sustainable development and landscape conservation in constructed landscapes. They will perform a site assessment of features, site conditions, and existing plant material. Students will determine the criteria appropriate for analyzing and rating the sustainability of landscape development.

Prerequisites: HORT 3210
Not Transferable

HORT 3270 CR-3**Urban Agriculture**

Students will review the history, scope, and current application of urban agriculture. They will compare the production requirements and techniques for a variety of urban agriculture production models. Students will assess the impacts of urban agriculture on social, economic and environmental sustainability of communities.

Prerequisites: 9 credits or more of level 2000 university credits
Not Transferable

HORT 3310 CR-3**Entomology**

Students will study the relationship of arthropods to humans and human activities. They will study arthropod morphology, anatomy, physiology, development, classification, nomenclature, and identification. Students will analyze pest scenarios, and national and international quarantine concerns. They will work with live and preserved specimens in the laboratory and field, and will investigate aspects of arthropod physiology and behaviour in the laboratory. Students will prepare an arthropod collection of preserved and pinned specimens and are encouraged to begin the collection prior to the start of course.

Prerequisites: [HORT 2308, HORT 2333, or HORT 2378], or Admission to year 3 of the Plant Health Degree.
Not Transferable

HORT 3320 CR-3**Plant Pathology**

Students will work with fresh and preserved specimens to recognize and diagnose plant diseases using a variety of laboratory tools and resources. Students will examine different types of plant parasitism in a variety of situations to evaluate appropriate control strategies. They will measure disease and predict the effects of various control tactics on disease progress and spread. Students will examine current horticultural practices to recommend strategies that reduce losses. They will examine plant protection legislation and apply it to current plant health issues.

Prerequisites: (HORT 2308 or HORT 2333 or HORT 2378) or Admission to year three of the Plant Health Degree
Not Transferable

HORT 3330 CR-3**Biological Control in Pest Management**

Students will examine the biology, population ecology, reproduction strategies, life cycles, and commercialization of biological control agents. They will demonstrate the mechanisms of biological control using arthropod, fungal, viral, nematode, and bacterial biological control agents. Students will apply biological control agents in various agriculture settings and monitor their establishment and success. They will evaluate existing quality control standards for guarantee, viability, and efficacy. Students will investigate the development, production, and marketing biological control agents. They will work with regulatory agencies and commercial rearing and fermentation facilities.

Prerequisites: HORT 3310 and HORT 3320
Not Transferable

HORT 3360 CR-3**Scouting, Monitoring, and Assessment of Pests**

Students will utilize the current technologies and techniques to monitor populations of pests (vertebrates, arthropods, disease agents, and weeds) and beneficial organisms. They will analyze data and produce reports that delineate pest introduction, infestation, and spread. Students will monitor field crops, inspect plant shipments, and in conjunction with pest management professionals, they will apply appropriate regulations. Students will model pest population changes using monitoring data, geographic information systems (GIS) data, meteorological data, and other relevant data.

Prerequisites: HORT 3310 and HORT 3320
Not Transferable

HORT 4231 CR-3**Riparian Management**

Students will discuss the functions of waterways and wetlands. Students will assess the design and management strategies used for riparian habitats and areas adjacent to these waterways. They will restore waterways, riparian areas, and wetlands including the installation of natural water filtration and waterway bank stabilization systems. The student will evaluate filtration and stabilization installations for ecosystem function as well as erosion control, slope maintenance requirements, and public safety.

Prerequisites: HORT 3230
Not Transferable

HORT 4252 CR-3**Landscape and the Environment: Applications**

Students will analyze the impact of land use on the design and construction of urban landscapes. They will examine the nature of the interface between social and ecological systems. Students will evaluate the flows of material and energy among social, ecological, and industrial components of the urban landscape. They will formulate recommendations that lead to congruence in the dynamic balance of the planning, design, and construction of urban landscapes.

Prerequisites: HORT 3251

Not Transferable

HORT 4253 CR-3**Urban Ecology**

Students will compare selected frameworks, models, and theories related to urban ecology. They will evaluate urban ecological research in the study of relationships between humans, their built environment, and biophysical processes. Students will communicate effectively with specific audiences regarding urban ecology and innovations for healthy and desirable urban landscapes.

Prerequisites: HORT 3210 and 3250

Not Transferable

HORT 4340 CR-3**Pest Management**

Students will examine the control of a variety of pests using cultural, behavioural, biological, physical, mechanical, chemical, genetic, and legal means in diverse horticultural settings. They will discuss the ramifications of control measures from social, economic, environmental, political, and sustainable perspectives. Students will work with infested plants to study the effects of control tactics on pest populations, as well as the relationship between plant injury and damage. They will apply models of pest and disease population spread in a variety of situations. Students will develop integrated management strategies for horticultural commodities with consideration of provincial, federal, and international policies.

Prerequisites: HORT 3310, HORT 3320, HORT 3330, and HORT 3360

Not Transferable

HORT 4350 CR-3**Environmental Effects of Plant Health Management**

Students will study the effects of plant health practices on the environment. They will assess the impacts of plant health management tactics in a variety of settings. Students will formulate plant health strategies that mitigate environmental impacts; consider population dynamics, pesticide resistance, pest evolution, habitat biodiversity and preservation. They will compile and evaluate case studies that examine the impacts of a plant health management problem.

Prerequisites: HORT 3360

HORT 4370 CR-3**National and Global Regulatory Issues**

Students will study the international movement of potentially destructive plant pests from a global perspective. They will select case studies that focus on the implications of pest movement via waterways, air, and road transportation. Students will also study Canadian legislative, regulation, and certification requirements, as well as regulations for countries that import or export plant material to and from Canada. They will present and discuss innovative methods used to manage or eradicate pests.

Prerequisites: Six credits at HORT 3000 level.

Not Transferable

HORT 4440 CR-3**Vegetation Management**

Students will assess the natural history of plants considered to be weeds; and the economic, social, and environmental impacts of managing weeds. They will examine and choose vegetation management strategies for sites such as public green spaces, built landscapes, commercial horticulture operations, water features, and rights-of-way. Students will debate issues such as escaped, genetically modified plants and plant management regulations.

Prerequisites: [(HORT 2308 or HORT 2333 or HORT 2378) and 6 credits of HORT 3XXX] or (AGRI 2240 and 6 credits AGRI 3XXX).

Not Transferable

HORT 4480 CR-3**Society and Horticulture**

Students will analyze the social, economic, and ecological effects of horticulture from historical and contemporary perspectives. They will evaluate the implications for the sustainability of the natural resource base, and for present and future levels of production and consumption. Students will analyze issues and divergent intellectual traditions affecting sustainable horticulture. They will formulate horticultural solutions for social, environmental, and economic justice.

Prerequisites: ENGL 1100

Co-requisites: PHIL 3033 PHIL 3033

Not Transferable

HORT 4599 CR-3**Special Topics in Horticulture**

Students will engage in an advanced study of a selected topic in horticulture. They will critically analyze relevant literature and develop a working knowledge of particular theories, methods, practices, and themes. Students will question and evaluate recent developments in the topic area.

Note: the specific course content will be established in advance by the department. Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 2000-level or higher

Not Transferable

HORT 4810 CR-3

Applied Research Project 1

Students will design and prepare an applied research plan. They will prepare a budget and prepare a phased implementation plan for their research project. Students will prepare funding proposals. They will prepare and present an evaluation of the cost structure and a final budget. Students will seek a mentor's guidance to help consolidate previous learning and to help advance and broaden their understanding of the business ramifications of their research.

Prerequisites: HORT 3230 and (BUSI 1209 or ACCT 1110 or ACCT 1210 or ACCT 2293)

Not Transferable

HORT 4820 CR-3

Applied Research Project 2

Students will undertake the applied research project developed in Hort 4810 Applied Research Project 1. They will reflect on the applied research outcomes needed to generate solutions to problems and identify direction for future investigation.

Prerequisites: HORT 4810

Not Transferable

HUMAN RESOURCES MANAGEMENT (HRMT)

HRMT 3115 CR-3

Human Relations in Organizations

Students will demonstrate understanding and apply key concepts of human behaviour in organizations, with in-depth focus on the phenomena of communication, leadership, decision-making, conflict and change at the individual, group, and organizational levels. They will further their development of interpersonal skills that contribute to effective functioning in organizational settings. Students will assess their human relations strengths and weaknesses and identify opportunities to substantively increase individual contribution to the organization and achieve higher levels of personal fulfillment in their careers and lives.

Not Transferable

HRMT 3125 CR-3

Employment Law

Students will research, review and apply applicable statutes and common law regulating employment relationships, including employment agreements, the duties of the employer and employee, and termination of the relationship, including the law of wrongful dismissal. Students will also address the statutory schemes which affect the employment relationship including the Employment Standards Act, and attention will also be paid to Human Rights legislation including the Duty to Accommodate. Students will also investigate emerging privacy law issues.

Not Transferable

HRMT 3135 CR-3

Recruitment and Selection

Students will use up-to-date aspects of the current issues and methodologies used in recruiting and selecting employees for organizations as essential components of strategic human resources planning, with an emphasis on their strategic role in enhancing organizational performance. They will deal with contemporary developments and their practical applications related to organization and job analysis, competencies and performance management, employee recruitment, screening and selection, testing, interviewing and related decision making.

Not Transferable

HRMT 3145 CR-3

Occupational Health and Safety

Students will work as a member of a team to identify strategic organizational practices for Occupational Health and Safety consistent with the organization's strategy; improve occupational health and safety practices through the assessment of education and communication needs and the provision of appropriate programs; and analyze program effectiveness and track accident reports and health outcomes based on information and data from a Human Resource Information System.

Not Transferable

HRMT 3255 CR-3

Total Compensation

Students will evaluate and implement a road map to evolving compensation strategy and design. They will use the process a Human Resource practitioner follows in order to put together an effective compensation program according to current best practices, focusing on performance-based approaches to compensation that help create programs that support an organization's broad-based strategic needs. Students will review the most advanced thinking in job analysis, job evaluation, compensation surveys, contingency-based compensation plans, executive compensation packages, productivity measurements and the use of technology in managing compensation programs in the course.

Not Transferable

HRMT 3265 CR-3

Employee Development and Coaching

Students will use best professional practices focusing on the management of training and development as a critical investment in an organization's human resources capital. They will demonstrate processes centered around the roles and responsibilities of Human Resource Development professionals, a model of training, the importance of needs analysis, strategic goal setting, program design, on and off-the-job training methodologies, transfer of training, training evaluation and costing, the diversity of training programs, as well as the management development process. Students will also utilize coaching techniques as a powerful intervention to enhance organizational results by influencing the way people think and work together.

Prerequisites: HRMT 3115

Not Transferable

HRMT 4115 CR-3

Labour Relations

Students will practise the application of collective agreement language in an organizational setting through a series of grievance cases covering all aspects of a collective agreement. Students will use grievance decisions to prepare proposals for negotiations using collective agreement language, and will confront issues surrounding labour disruptions and the application of Labour Relations legislation.

Prerequisites: HRMT 3125

*Co-requisites: HRMT 3135 and HRMT 3145 and HRMT 3255
HRMT 3135 and HRMT 3145 and HRMT 3255*

Not Transferable

HRMT 4125 CR-3

Organizational Development

Students will research, review and present key findings on best practices related to a variety of key organization development concepts, such as: the process of organization development; human process interventions; techno-structural interventions; human resources management intervention; strategic interventions and special applications of organization development, including corporate coaching.

Prerequisites: HRMT 3115 and HRMT 3265

Co-requisites: ENTR 4110 ENTR 4110

Not Transferable

HRMT 4500 CR-6

Strategic Human Resources Management

Students will manage, design, prepare and present a comprehensive Human Resource Management project that will meet the requirements of a client organization. Students will synthesize developmental, leadership and application experiences to analyze factors internal and external to an organization and provide strategic recommendations based on an organization's human capital; develop strategic human resource plans in concert with the organization's strategic plan; and implement plans to address gaps in an organization's capabilities in order to carry out strategic plans. They will also design strategic staffing processes to maintain organizational effectiveness, analyze trends in the organization's environment and develop appropriate Human Resources responses.

Prerequisites: HRMT 3125 and HRMT 3135 and HRMT 3145 and HRMT 3255 and HRMT 3265

Co-requisites: HRMT 4115 and HRMT 4125 HRMT 4115 and HRMT 4125

Not Transferable

INFORMATION TECHNOLOGY (INFO)

INFO 1111 CR-3 (formerly CISY 1105)

Introduction to Computer Hardware and Software

Students will learn general computer hardware and software concepts. They will study the general architecture of the computer and examine hardware components such as microprocessors, memory, motherboards, expansion buses, power supplies, hard disk drives, removable media, peripherals, input/output devices, video, audio, and network interface cards. They will compare differences between hardware used in enterprise, personal and mobile computing devices. Students will also study the functions of operating systems and device drivers and will be provided an overview of popular application software such as word processors, spreadsheets, presentations, and database management systems.

Transferable (refer to transfer guide)

INFO 1112 CR-3 (formerly CISY 1113)

Principles of Program Structure and Design

Students will learn the fundamental logic and structure of computer programs. They will develop skills in different aspects of the problem-solving and programming process including analyzing requirements, designing solutions, coding, testing and writing documentation with emphasis on structured programming and modular design techniques. Students will be required to design and implement a software application.

Transferable (refer to transfer guide)

INFO 1113 CR-3 (formerly CISY 1212)

Systems Analysis and Design

Students will study current strategies, methodologies and techniques of systems analysis and design with an emphasis on the role of systems analysts in an organization and collaboration within the overall process. Students will learn how to elicit general information system requirements, perform object-oriented system analysis and design, and generate user documentations. Students working in groups will analyze and design small information systems using object-oriented methodology. Students will examine from an ethical perspective issues specific to information technology professionals, such as intellectual property, access, security and protection of private information, and codes of conduct.

Transferable (refer to transfer guide)

INFO 1211 CR-3 (formerly CISY 1213)

Operating Systems Principles And Applications

Students will learn the fundamentals of operating systems and system utilities. They will study the internal structures and operating principles common to all computer operating systems including processes, threads, memory management, file systems, and input/output systems. They will examine common multi-user, multi-tasking operating systems such as Windows, UNIX and Linux.

Prerequisites: INFO 1111

Transferable (refer to transfer guide)

INFO 1212 CR-3 (formerly CISY 1215)

Networking Technologies I

Students will learn the fundamental architecture, functions and components of computer networks. They will build local area networks with routers and switches and implement Internet Protocol (IP) addressing schemes.

Prerequisites: INFO 1111

Transferable (refer to transfer guide)

INFO 1213 CR-3 (formerly CISY 1218)

Web Application Development

Students will learn the operating principles of the World Wide Web and its relationship with the Internet. They will learn the client-server model, Internet protocols, domain names and URLs, websites and Web hosting. They will also learn HTML, CSS, JavaScript and XML. Students will program both in client and server-side environments and develop data-driven Web applications. They will also learn to deploy applications on web hosting servers.

Prerequisites: INFO 1112

Transferable (refer to transfer guide)

INFO 1214 CR-3 (formerly CISY 1220)**Discrete Mathematics for Information Technology**

Students will learn the basic mathematical concepts which form the foundations of computing systems. They will be able to apply mathematical logic and methods to software development. They will learn the principles and applications of discrete mathematics, data organization and data representation.

Prerequisites: Math 11 Foundations with a C+ or Math 11 Pre-Calculus with a C or equivalent

Transferable (refer to transfer guide)

INFO 2311 CR-3**Networking Technologies II**

Students will learn the operation details of routers and switches in small to medium size computer networks. They will acquire skills for configuring and troubleshooting routers and switches. They will also develop skills in resolving common issues which exist when routing between different protocols.

Prerequisites: INFO 1212

Transferable (refer to transfer guide)

INFO 2312 CR-3 (formerly CISY 2314)**Database Management Systems**

Students will learn the concepts and theory of database models, with particular emphasis on the relational model. They will learn and practice database designs utilizing Entity-Relationship Modeling, functional dependencies, and database table normalization. Students will learn Structured Query Language (SQL) and use SQL statements to design, query and maintain databases.

Prerequisites: INFO 1112

Transferable (refer to transfer guide)

INFO 2313 CR-3 (formerly CISY 2411)**Object-Oriented Programming**

Students will learn the principles and concepts of object-oriented programming. They will learn class definition, objects, object interaction, inheritance, polymorphism, interface, abstract classes, and exception handling. They will also learn event-driven programming and object-oriented analysis and design.

Prerequisites: INFO 1112

Transferable (refer to transfer guide)

INFO 2411 CR-3**Foundations of Computer Security**

Students will learn fundamental concepts, theories, methodologies and techniques of computer security. Students will learn computer security techniques such as encryption methods, public key cryptography, hash function and signature schemes, key exchange protocols, authentication and access control methods. Students will also develop practical implementations of cryptographic techniques and learn how to apply them in real-life scenarios. Students will complete a project related to computer security and privacy.

Prerequisites: INFO 1112 and INFO 2311

Transferable (refer to transfer guide)

INFO 2412 CR-3 (formerly CISY 2414)**Management of Information Systems**

Students will learn information system management in the global economy. They will learn how to plan information systems and design corporate information technology architectures.

Students will also learn how to manage corporate information resources and how to select technologies for developing effective information systems. They will be introduced to issues in managing systems that support knowledge-based work and managing information system security.

Prerequisites: INFO 1113

Transferable (refer to transfer guide)

INFO 2413 CR-3 (formerly CISY 2415)**System Development Project**

Students will work on real-world computer information system projects on a team basis. They will integrate computer and system concepts learned in the first two years of the program to analyze project requirements, design and implement a software based information system using appropriate tools.

Prerequisites: INFO 2313

Transferable (refer to transfer guide)

INFO 3110 CR-3**Professional Communications in Information Technology**

Students will address the activities and techniques for developing proposals, specifications, user guides, reports, memoranda, executive summaries and other documentation commonly used in information technology. Students will present a variety of individual and group written and oral communication assignments, reflecting current Information Systems models.

Prerequisites: Acceptance into 3rd year of the BTech program.

Not Transferable

INFO 3120 CR-3**Web Programming with Java**

Students will learn the syntax, resources and utilities package of Java related to web applications. Students will also examine web design principles, apply their knowledge to construct web components, including Java Server Pages (JSP), Servlets and JavaBeans for both Internet and Intranet environments, and implement dynamic web applications using a Java web server and a relational database management system.

Prerequisites: 30 credits of 1100-level or higher courses, or permission of the instructor

INFO 3135 CR-3**Advanced Web Application Development**

Students will learn PHP and MySQL and use them to develop dynamic, secure and commercially usable websites. They will learn the basics of PHP and MySQL and will also learn how to access the data in a MySQL database through the Web using PHP. The students will be able to develop shopping carts and Web forums using PHP and MySQL.

Not Transferable

INFO 3150 CR-3 (formerly CISY 2413)**Object-Oriented Software Engineering**

Students will learn the methods of identifying system requirements and producing object models and designs based on the requirements. They will learn the concepts of Unified Modeling Language (UML). They will identify use cases and expand them into object-oriented designs. Students will use the concepts of software engineering to analyze, design and implement software systems. The students will also be introduced to the concepts of Agile Software Development.

Prerequisites: Acceptance into Bachelor of Technology in Information Technology
Not Transferable

INFO 3160 CR-3 (formerly INFO 4220)**Network Operating Systems**

Students will learn the principles, techniques and strategies used in planning, installing, testing, and administering a server operating system. The course covers creating and managing users using Active Directory, installing and configuring Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), Printer Server, Internet Information Services (IIS), Web Server, and a Virtual Private Network (VPN). Students will be required to plan, design, and install an application server simulating real-world scenarios. Students will have hands-on experience in installing, troubleshooting, fine-tuning, and administering a server operating system.

Prerequisites: Acceptance into Bachelor of Technology in Information Technology
Not Transferable

INFO 3170 CR-3**Security of Enterprise Networks**

Students will learn the fundamentals of network security and the principles of firewalls and Virtual Private Networks (VPN). They will learn how to identify network security threats. They will also learn how to select and deploy firewalls and manage VPNs.

Not Transferable

INFO 3180 CR-3**Wireless Networks**

Students will learn the concepts and practical skills of wireless local area networks (WLANs). They will learn the fundamentals of radio frequency (RF) signals, mathematical skills required in RF signal power calculations, wireless antennas, antenna accessories, and spread spectrum technologies. The students will also learn WLAN infrastructure devices, WLAN organizations and standards, WLAN network architectures, wireless site survey and WLAN troubleshooting techniques.

Prerequisites: Acceptance into 3rd-year of the BTech program
Not Transferable

INFO 3210 CR-3**Distributed Systems**

Students will learn principles, techniques and strategies used in design and implementation of distributed applications and system solutions that are robust, scalable, and secure. Students focus on modeling distributed systems and building distributed objects using .NET framework. Students will be required to develop a distributed business solution using C# and .NET Remoting.

Prerequisites: Acceptance into 3rd year of the BTech program.
Not Transferable

INFO 3225 CR-3 (formerly INFO 3220)**Web Multimedia**

Students will learn the different types of multimedia (e.g. text, images, sound, animation and video) required in website development. They will learn the theoretical foundations and the practical tools for creating graphics, sound, animation and video content that will be used in websites, as well as multimedia design considerations.

Prerequisites: Acceptance into Bachelor of Technology in Information Technology
Not Transferable

INFO 3230 CR-3**Advanced Object-Oriented Application Development**

Students will learn to use object-oriented methodology to analyze, design and implement real-world software applications. Students will learn the best practices for iterative software development recommended by the Unified Process (UP). Student will learn the advanced features of the Unified Modeling Language (UML) in modeling distributed software applications. Students also will learn the concepts of software design patterns and how these patterns can be used to create flexible and extensible software.

INFO 3235 CR-3**Software Quality Assurance**

Students will learn the essential features involved in developing timely, cost-effective and high-quality software products that meet the user's requirements. They will examine the effective deployment of quality assurance procedures throughout the entire software development process. They will learn the concepts of Total Quality Management (TQM), the development of quality assurance plans, the implementation of verification and validation functions, the selection of tools to support quality assurance, the application of software metrics to measure quality, and the International Standards Organization (ISO) certification process.

Prerequisites: INFO 3150
Not Transferable

INFO 3240 CR-3**Enterprise Resource Planning Systems**

Students will learn the concepts in Enterprise Resource Planning (ERP). They will learn the basis of how integrated information systems such as ERP systems can help companies to optimize business processes. Students also will learn business process modeling, process improvement and ERP implementation. They will explore the role of ERP in electronic commerce. Students will gain hands-on experience through working on an ERP system.

Prerequisites: Acceptance into 3rd year of the BTech program.
Not Transferable

INFO 3241 CR-3**Identity Management**

Students will learn the fundamental concepts of digital identity management. They will learn the concepts of digital identity, digital identity lifecycles, digital rights management and identity management architecture building. They will also examine industrial software and tools and use them to build identity management systems.

Prerequisites: INFO 3160
Not Transferable

INFO 3245 CR-3**Mobile Programming I**

Students will learn the skills for developing Android-based mobile applications. They will be introduced to the basics of wireless technologies associated with a smartphone such as cellular networks, Wi-Fi networks, satellite networks, and GPS systems. They will learn the Android fundamentals and the methods for designing and developing Android software programs for database, audio, video and communication applications.

*Prerequisites: Acceptance into Bachelor of Technology in Information Technology
Transferable (refer to transfer guide)*

INFO 3246 CR-3**Mobile Programming II**

Students will learn software application development for iOS, the mobile operating system from Apple Inc. They will be introduced to programming in Objective-C and will learn the skills in designing, developing and deploying different types of mobile applications for both iPad and iPhone.

Not Transferable

INFO 3250 CR-3**Content Management and Information Architecture**

Students will learn the concepts of content management and information architecture. They will learn the major components of a typical content management system (CMS) and its underlying information architecture that support information needs of enterprises. They will learn the criteria to evaluate and select a CMS. Student also will learn to design content access structures and to apply structured authoring techniques in content composition using Extensible Markup Language (XML) and Darwin Information Typing Architecture (DITA).

*Prerequisites: Acceptance into 3rd year of the BTech program.
Not Transferable*

INFO 3280 CR-3 (formerly INFO 4230)**Information Technology Project Management**

Students will learn topics in Information Technology (IT) project management. They will examine various issues related to the development and implementation of complex information systems. Students will explore the use of new technologies in IT project management and will use a project management software tool to complete assignments, case studies and a term project.

*Prerequisites: Acceptance into 3rd year of the BTech program.
Not Transferable*

INFO 3290 CR-3**Networking Technologies III**

Students will learn the fundamentals of virtualization. They will learn the internals of a Virtual Machine (VM), how to install and deploy VM Applications on desktop computers and enterprise servers, back up and recovering VMs, use virtual file systems, implement failover clusters, create load-balanced clusters, build VM clusters. They will also be introduced to storage networking and storage virtualization, and virtualized information systems.

Not Transferable

INFO 4110 CR-3**Cloud Computing**

Students will learn cloud computing basics, benefits and limitations, cloud computing technologies (hardware and infrastructure), cloud accessing technologies, cloud storage, standards in cloud computing, software as a service, and cloud application development.

*Prerequisites: 12 INFO credits at the 3000 level or higher and acceptance into Bachelor of Technology in Information Technology
Not Transferable*

INFO 4115 CR-3**Website Design**

Students will learn the Web design process. They will learn website planning and usability design, website navigation design, graphics and color selection, text formatting using cascaded style sheet (CSS), browser compatibility testing and interactivity design using JavaScripts.

*Prerequisites: 12 INFO credits at the 3000 level or higher and acceptance into Bachelor of Technology in Information Technology
Not Transferable*

INFO 4120 CR-3**Digital Forensics**

Students will learn the foundations of digital forensics. They will learn the key technical concepts, the methodologies used and the tools needed in digital forensics. Students will learn how to perform examinations for computers, networks, mobile devices, GPS, the Cloud and the Internet. Students will also learn how to collect evidence, document the scenes, and recover deleted data.

*Prerequisites: INFO 3170
Not Transferable*

INFO 4125 CR-3**Website Security**

Students will learn the core mechanisms and tools for Web security. They will learn the principles of Web attacks on authentication, users, application servers, data stores, back-end components, application logic and bypassing client side controls. They will also learn how to discover and prevent Web security flaws during Web application development and measures to improve Web security.

*Prerequisites: 12 INFO credits at the 3xxx level and acceptance into 3rd year of the BTech program.
Not Transferable*

INFO 4190 CR-3**Integration Project I**

Students will conduct an extensive literature review and research for projects originating from faculty or the stakeholders from the industry or local communities. Students will carry out detailed project designs and complete the overall project design documentation in this capstone course. They will report the design results through presentations that are open to all faculty and students in the department and industry sponsors. Students will apply in great depth and breadth the system, hardware, software and project management knowledge they learned in the program to the accomplish the tasks of the project.

Note: This course is a prerequisite for INFO 4290 Integration Project II where the students will implement their designs using software and/or hardware.

Prerequisites: 24 INFO credits at the 3000 level or higher and acceptance into Bachelor of Technology in Information Technology
Not Transferable

**INFO 4210 CR-3 (formerly INFO 4210/PSYC 4920)
Human Factors and Computer Interface Design**

Students will study procedures for analyzing human-computer interaction (HCI) and will translate this information into design criteria. They will learn to ensure that computer interface design specifications meet end-user requirements for perceptual and cognitive factors; learnability; recall, recognition and retention; speed and accuracy of performance; cultural factors; and job satisfaction. They will identify task and system requirements and perform usability testing methodologies for both desktop and small screen interfaces.

Prerequisites: 12 INFO credits at the 3xxx level and acceptance into 3rd year of the BTech program.
Transferable (refer to transfer guide)

INFO 4225 CR-3**Animations**

Students will learn the skills of using professional software to create animations for Web applications. They will learn simple and complex graphics, graphics on multiple layers, symbols and basic animation, motion and shape Tweening, buttons and actions, and action programming.

Prerequisites: INFO 3225
Not Transferable

INFO 4235 CR-3**Special Topics in Web and Mobile Application Development**

Students will learn emerging technologies in mobile and web application development. The department will update the content of the course based on industrial needs. Currently this course teaches social media application development, specifically Facebook application development. Students will learn the Facebook Markup Language (FBML), the Facebook API, the Facebook Query Language (FQL), and the skills for Facebook application development.

Prerequisites: INFO 3150
Not Transferable

INFO 4250 CR-3**Special Topics in Network Administration and Security**

Students will learn special topics in network administration and security. This course is designed to cover emerging technologies that the department deems important but are not covered in other courses. Currently the course covers data center fundamentals. Topics include introduction to server farms, infrastructure protocols, security and load balancing, server health management, persistence mechanisms on load balancers and data center design.

Prerequisites: INFO 3160
Not Transferable

INFO 4290 CR-3**Integration Project II**

Students will implement the project designs they produced in the course INFO 4190 (Integration Project I) using suitable software tools and selected hardware. They will test and debug the project implementations and generate the final system prototype and project documentation. They will report and demonstrate the final project results through presentations which are open to all faculty and students in the department, as well as industrial sponsors.

Prerequisites: INFO 4190
Not Transferable

INFO 4310 CR-3**Entrepreneurial Development in Information Technology**

Students will gain an understanding of entrepreneurship fundamentals in the information technology sector, including business planning, financing and venture capital, operations, human resources, marketing and personal selling.

Prerequisites: Acceptance into 3rd year of the BTech program.
Not Transferable

INFO 4320 CR-3**Software Quality Assurance**

Students will learn the essential features involved developing timely, cost-effective and high quality software products that meet the user's requirements. They will examine the effective deployment of quality assurance procedures throughout the entire software development process. Other topics covered in this course will include: the concepts of Total Quality Management (TQM), development of quality assurance plans, implementation of verification and validation functions, selection of tools to support quality assurance, application of software metrics to measure quality, and the International Standards Organization (ISO) certification process.

INFO 4330 CR-3**Data Warehousing and Data Mining**

Students will examine the problems caused by having too much information and the methods, processes and tools for extracting useful information from multidimensional databases and data marts stored on different system platforms. They will also acquire the techniques for defining, selecting, implementing and evaluating data warehousing and data mining solutions for businesses.

INFO 4350 CR-3

Wireless Technologies and Programming

Students will learn the concepts and principles of wireless technologies, wireless devices, wireless signals, wireless networks and wireless access technologies. They will learn wireless programming techniques and will develop wireless applications using technologies that include Wireless Markup Language (WML), WMLScript, Java and Microsoft .NET based wireless application development environments.

INFO 4370 CR-3

Security of Wireless Systems

Students will learn about wireless security technologies such as advanced user authentication, robust encryption, and intrusion prevention. They also will learn concepts of wireless discovery, wireless attack identification and monitoring, and wireless security policies and solutions. Students will be required to conduct research and work on a project to solve real-world wireless system security problems in a simulated environment.

Prerequisites: 12 INFO credits at the 3xxx level and acceptance into 3rd year of the BTech program. INFO 3180 is strongly recommended.

Not Transferable

INFO 4380 CR-3

Wireless Sensor Networks

Students will learn the concepts of wireless sensor networks and their applications. They will learn the fundamentals of ZigBee wireless networking, ZigBee protocol layers, transceiver requirements, battery life analysis, as well as examples of ZigBee networks and devices. They will conduct research and develop an application using products from the industry.

Prerequisites: 12 INFO credits at the 3xxx level and acceptance into 3rd year of the BTech program. INFO 3180 is strongly recommended.

Not Transferable

INTERDISCIPLINARY EXPRESSIVE ARTS (IDEA)

IDEA 1100 CR-3

Interdisciplinary Foundations

Students will explore various practices, skills, and disciplines to further their academic, personal, and professional development. They will examine interdisciplinary inquiry and creativity, the uses of interdisciplinary academic approaches, and the applications of interdisciplinarity in culture, education, and professional domains. They will learn interdisciplinary skills through individual projects, group work, and the development of online portfolios.

Transferable (refer to transfer guide)

IDEA 1240 CR-3

Writing for New Forms and Media

Students will learn and practice new forms of creative writing such as collaborative composition, writing for new and social media, blogging, and writing for digital publications. They will study emerging uses of online technologies and will learn writing skills through individual composition, group work, and the development of electronic portfolios.

NOTE: Students may earn credits for only one of CRWR 1240 or IDEA 1240, as they are the same course.

Transferable (refer to transfer guide)

IDEA 3100 CR-3

Interdisciplinary Expressive Arts 1

Students will learn about the history, philosophy, and current application of interdisciplinary approaches within the expressive arts. They will develop interdisciplinary skills in creativity and academic inquiry, will become familiar with multiple expressive modalities (creative writing, music, movement, fine arts, theatre, expressive arts therapies, storytelling, photography, film making, etc.) and will explore the application of those modalities in an integrated learning environment.

NOTE: Students may earn credits for only one of IDEA 3100 and CUST 3100, as they are the same course.

Prerequisites: 30 credits of 1100-level or higher courses

IDEA 3301 CR-3 (formerly CRWR 3301)

Myth, Culture, and Creativity

Students will learn about the role of mythological traditions in culture and creativity throughout the world. They will contextualize their own creative and academic inquiries within the multicultural streams of mythological expression and will broaden their understanding of the roots of creativity.

Prerequisites: 30 credits of 1100-level or higher courses

Not Transferable

IDEA 3302 CR-3

Creativity and Leadership in Groups

Students will experience, learn to facilitate, and lead the interpersonal and creative process within a group context. They will participate in and examine creative modalities, self-awareness practices, and group dynamics. They will apply facilitation and leadership strategies for promoting creativity, community, and personal development.

Prerequisites: 60 credits of 1100-level or higher courses.

Transferable (refer to transfer guide)

IDEA 4100 CR-3

Interdisciplinary Expressive Arts 2

Students will learn to apply a diverse number of current interdisciplinary approaches within the expressive arts. They will develop the interdisciplinary skills to employ creativity across multiple expressive modalities (creative writing, music, movement, fine arts, theatre, expressive arts therapies, storytelling, mythopoeics, photography, film making, etc.) and will explore potential academic and career directions within the cultural and social services sectors.

NOTE: Students may earn credits for only one of IDEA 4100 and CUST 4100, as they are the same course.

Prerequisites: CUST 3100, IDEA 3100, or permission from the instructor

INTERIOR DESIGN (IDSN)

IDSN 1113 CR-4

Studio 1

Students will experiment with and make discoveries about the principles and elements of design. They will develop their problem-solving skills by creating solutions for two- and three-dimensional design problems. They will work individually and in teams, with a focus on critical analysis, design process and student progress. They will develop and apply design vocabulary to various sizes and types of exercises related to spatial definition and organization.

Co-requisites: IDSN 1135 IDSN 1135

Not Transferable

IDSN 1121 CR-3

Materials

Students will learn about materials and associated technologies of processing and installation. They will learn about the properties, and will explore conventional and potential applications of a variety of materials such as wood, glass, metal, and fabric, with emphasis on understanding form, workability, strength, and durability. Students will produce an inventory of fundamental materials.

IDSN 1135 CR-3

Design Awareness 1

Students acquire a critical awareness of the importance and impact of design through research, analysis, discussion of both historical and contemporary issues. They will learn, explore and apply the principles and elements of design by executing projects. Students will discuss and debate interior design and built environment issues. They will learn and employ the vocabulary of interior design.

Co-requisites: IDSN 1113 IDSN 1113

IDSN 1141 CR-3

Technical Drawing 1

Students will be introduced to professional interior design drafting standards. They will practise the fundamental skills of manual drafting: line weight, line quality, line type and lettering. They will produce drawings and document two and three-dimensional objects, furniture and spaces through various drawing types such as plans, elevations, sections and paraline drawings.

Not Transferable

IDSN 1145 CR-3

Drawing for Interior Design

Students will use sketching as a tool for design communication. Using various media, they will ideate, delineate human form and convey emotional character within the built environment. They will sketch environments in perspective and render the effects of light, working to clarify their design ideas. They will draw to stimulate thinking and visualize ideas with an emphasis on developing hand-eye coordination and line control. Students will manipulate their drawings and develop their process through annotation and analysis of their work.

Not Transferable

IDSN 1202 CR-4

Studio 2

Students will continue to apply the principles and elements of design to three-dimensional design projects. They will analyze and experiment with spatial definition and organization, light and colour, and heighten their ability to use space as a design tool. Students will learn how to determine project requirements and criteria, utilize design processes, and create design solutions that are appropriate to purpose and how people interact with the built environment.

*Prerequisites: IDSN 1113 (C+) and 1121 and 1135 and 1141
Transferable (refer to transfer guide)*

IDSN 1221 CR-3

Components

Students will learn about component materials of the built environment and manufacturing processes. They will discover the properties and characteristics of manufactured component materials such as plywood, concrete, ceramics, textiles, carpet, wallcovering, hardware, lighting, window covering and furniture. They will explore conventional and potential applications. Emphasis will be on understanding the history, development, characteristics and behavior of the components.

*Prerequisites: IDSN 1113 (C+) and 1121 and 1135 and 1141
Not Transferable*

IDSN 1235 CR-3

Design Awareness 2

Students will continue to acquire a critical awareness of the importance and impact of design. Students will explore the social, political and physical influences affecting historical changes in interior design by researching and analyzing the evolution and development of the built environment from antiquity to the 20th century. They will discuss and link issues across chronological, geographic, cultural and sociological contexts. They will increase their understanding of the vocabulary of interior design through problem-based learning.

*Prerequisites: IDSN 1113 (C+) and 1121 and 1135 and 1141
Not Transferable*

IDSN 1241 CR-3

Technical Drawing 2

Students will continue to draft technical drawings manually, communicating ideas, objects, and interior spaces. They will begin to explore material specifications, construction methods, and produce a simple set of orthographic drawings. Students will draw three dimensional paraline views and measured perspective drawings.

*Prerequisites: IDSN 1113 (C+) and 1121 and 1135 and 1141
Not Transferable*

IDSN 2300 CR-4

Studio 3

Students will produce, individually and in groups, original designs that respond to specific, conceptual, behavioural, and contextual criteria for living spaces. They will focus on meeting the complex needs of individuals and families in the built environment.

Prerequisites: IDSN 1202 (C+) and 1221 and 1235 and 1241 and 3 credits of ENGL 1100 or higher or approved 3 credit writing-intensive course at the 1100-level or higher

Co-requisites: IDSN 2331 IDSN 2331

Not Transferable

IDSN 2325 CR-3**Building Systems 1**

Students will learn about technical aspects of built environment systems, such as structural, electrical and mechanical. They will learn about how the constituent subsystems of floor, wall, ceilings, penetrations, comfort systems, power, data communication, lighting, and water use function. Students will produce technical drawings, applying this knowledge in concurrent courses. Emphasis will be on understanding current building techniques and exploring sustainable innovations and choices.

Prerequisites: IDSN 1202 (C+) and 1221 and 1235 and 1241 and 3 credits of ENGL 1100 or higher or approved 3-credit writing-intensive course at the 1100-level or higher
Not Transferable

IDSN 2331 CR-3**Design Theories 1**

Students will study fundamental principles and processes involved in creating design solutions for living environments. They will study the theories related to typologies of living spaces such as entry, socializing and relaxing, sleeping, dressing, cooking and eating spaces. Students will research and explore 20th century and current design history and ideologies. They will also explore, discuss and debate a range of built environment issues.

Prerequisites: IDSN 1202 (C+) and 1221 and 1235 and 1241 and 3 credits of ENGL 1100 or higher, or approved 3 credit writing-intensive course at the 1100-level or higher
Co-requisites: IDSN 2300 IDSN 2300
Not Transferable

IDSN 2345 CR-3**Drawing and Rendering 1**

Students will investigate design process communication through drawing and ideation exercises. They will expand their technique depicting objects in context to environmental conditions. They will be introduced to digital drawing software and will manipulate drawings using digital programs and experiment with a range of drawing and rendering techniques using manual and digital means.

Prerequisites: IDSN 1202 (C+) and 1221 and 1235 and 1241 and 3 credits of ENGL 1100 or higher or approved 3 credit writing-intensive course at the 1100-level or higher
Not Transferable

IDSN 2375 CR-3 (formerly IDSN 1270)**Environmental Human Factors**

Students will study how humans relate to the built environment and how it affects behaviour. Students will develop an understanding of human factors research methods and their application to interior design. They will learn how to shape interior spaces by applying knowledge of anthropometrics, ergonomics, proxemics, universal design, sustainable design and human behavior.

Students will actively engage in problem-based learning (PBL) modules.

Prerequisites: IDSN 1202 (C+) and 1221 and 1235 and 1241 and 3 credits of ENGL 1100 or higher or approved 3 credit writing-intensive course at the 1100-level or higher
Not Transferable

IDSN 2400 CR-4**Studio 4**

Students will continue to produce, individually and in teams, original designs that respond to specific conceptual, behavioural, and contextual criteria for living spaces. They will focus on process, space planning, and spatial volume development.

Prerequisites: IDSN 2300 (C+) and 2325 and 2331 and 2345 and 2375
Co-requisites: IDSN 2431 IDSN 2431
Not Transferable

IDSN 2425 CR-3**Building Systems 2**

Students will explore technical aspects of building environments. They will learn about and draw various assemblies found within building systems to expand their understanding and application of building code principles. They will study lighting design systems, acoustics, energy management, and sustainable systems, applying this knowledge in concurrent courses. They will focus on understanding multi-unit built environments and communicate knowledge through digital technical drawings.

Prerequisites: IDSN 2300 (C+) and 2325 and 2331 and 2345 and 2375
Not Transferable

IDSN 2431 CR-3**Design Theories 2**

Students will expand their understanding of applied and theoretical issues, principles and processes involved in creating design solutions, emphasizing space planning and spatial volume development. Students will investigate, analyze and discuss historical, contemporary, and future design issues, ideologies and approaches. Students will explore and connect ideological concepts with their own interior design applications.

Prerequisites: IDSN 2300 (C+) and 2325 and 2331 and 2345 and 2375
Co-requisites: IDSN 2400 IDSN 2400
Not Transferable

IDSN 2445 CR-3**Drawing and Rendering 2**

Students will continue to develop drawing and rendering skills to effectively visualize design concepts and ideas within the built environment. They will further develop their ability to communicate design intent and deliver effective visual presentations, practicing manual drawing, rendering, and digital manipulation skills.

Prerequisites: IDSN 2300 (C+) and 2325 and 2331 and 2345 and 2375
Not Transferable

IDSN 2465 CR-1 (formerly IDSN 2361)**Workplace Experience**

Students will participate in a practicum with a supplier or representative of products and materials for the architectural and design community. They will focus on observing, documenting, and understanding how these industries interface with the interior design profession.

Prerequisites: IDSN 2300 and IDSN 2325 and IDSN 2331 and IDSN 2345 and IDSN 2375
Co-requisites: IDSN 2400 and IDSN 2425 and IDSN 2431 and IDSN 2445 IDSN 2400 and IDSN 2425 and IDSN 2431 and IDSN 2445

IDSN 2540 CR-3**Computer Drawing**

Students will produce complex computer generated technical drawings and documents. They will create professional standard two- and three-dimensional interior design drawings.

*Prerequisites: IDSN 1241 or permission of instructor
Not Transferable*

IDSN 3500 CR-4**Studio 5**

Students will produce creative, experiential design solutions. They will work on various commercial projects such as retail, workplace and public spaces. They will expand their design skills, refining their process and design methodology.

Prerequisites: IDSN 2400 (C+) and 2425 and 2431 and 2445 and (2540 or approved equivalent)

Co-requisites: IDSN 3531 IDSN 3531

Not Transferable

IDSN 3525 CR-3 (formerly IDSN 3521)**Building Systems 3**

Students will communicate how and why materials and components are connected through drawing technical details. They will study construction assemblies common to public spaces. Students will resolve building connections (such as floor to wall, wall to ceiling), penetrations, architectural woodwork, case goods, and furniture. They will produce a set of computer-drawn, construction-ready details incorporating appropriate technical specifications and interior design industry drafting standards, based on their own designs from Studio projects.

Prerequisites: IDSN 2400 (C+) and 2425 and 2431 and 2445 and (2540 or approved equivalent)

Not Transferable

IDSN 3531 CR-3**Design Theories 3**

Students will study public space typologies and programming processes for specialized areas of practice in interior design, such as retail and the workplace. They will research theoretical and practical design considerations using problem definition and problem solving tools. They will explore, discuss, and debate historical, current, and future interior design and building environment issues. Students will apply this knowledge in studio projects.

Prerequisites: IDSN 2400 (C+) and 2425 and 2431 and 2445 and (2540 or approved equivalent)

Co-requisites: IDSN 3500 IDSN 3500

Not Transferable

IDSN 3551 CR-3**Field Studies**

Students will engage in intensive weekly off campus instructional, informative, and/or analytical activities that link to their design projects in studio courses. They will study design applications in the local built environment. Students will convene at one or more design firms or project sites to listen to presentations, observe, sketch, analyze, and discuss interior design. Students will also attend public lectures, exhibits, and special events as these opportunities arise.

Prerequisites: IDSN 2400 (B-) and IDSN 2425 and IDSN 2431 and (IDSN 2445 or IDSN 2441)

Co-requisites: IDSN 3500 and IDSN 3525 and IDSN 3531 and IDSN 3591 IDSN 3500 and IDSN 3525 and IDSN 3531 and IDSN 3591

3591

IDSN 3591 CR-1**Major Field Studies 1**

Students will research, plan, and prepare for an intensive field study experience that will take place in the spring semester as part of IDSN 3692. They will, in collaboration with faculty, determine the destination from an approved list, to ensure compliance with the course objectives.

Note: Major Field Studies is taken over two consecutive semesters and will appear on the transcript as IDSN 3591 and IDSN 3692. Students registering in IDSN 3591 are committing to register in IDSN 3692 in the subsequent term. The cost of travel and all related expenses are borne by the student.

Prerequisites: IDSN 2400 (B-) and IDSN 2425 and IDSN 2431 and IDSN 2445 and (IDSN 2540 or IDSN 2441)

Co-requisites: IDSN 3500 and IDSN 3525 and IDSN 3531 and IDSN 3551 IDSN 3500 and IDSN 3525 and IDSN 3531 and IDSN 3551

IDSN 3600 CR-4**Studio 6**

Students will produce creative and experiential design solutions. They will work on various complex project types such as hospitality, institutional and public spaces. They will expand their design skills, refining their process and design methodology. They will collaborate with team members and present comprehensive design solutions incorporating stakeholder needs, public health and safety issues, and sustainability.

Prerequisites: IDSN 3500 (C+) and 3525 and 3531

Co-requisites: IDSN 3635 IDSN 3635

Not Transferable

IDSN 3625 CR-3 (formerly IDSN 4721)**Contract Documentation**

Students will learn about the production of interior design contract documentation. They will prepare and coordinate working drawings, schedules, product and material specifications, and bid documents. Students will learn about construction contracts and various industry regulations.

Prerequisites: IDSN 3500 (C+) and 3525 and 3531

Not Transferable

IDSN 3635 CR-3**Design Theories 4**

Students will study theoretical approaches and their practical considerations for specialized area(s) of practice, such as hospitality, institutional, and health care, informing studio project(s) in IDSN 3600. They will continue to explore, discuss, and debate historical, current, and future interior design and building environment issues. Students will develop objective criteria for critical analysis and generate a personal design philosophy. They will utilize and develop writing skills, culminating in a research paper.

Prerequisites: IDSN 3500 (C+) and 3525 and 3531

Co-requisites: IDSN 3600 IDSN 3600

Not Transferable

IDSN 3642 CR-3 (formerly IDSN 3645)

Representation

Students will apply a variety of two and three dimensional techniques and technologies to communicate design ideas. They will produce presentation material incorporating effective visual and verbal representational skills to confidently express interior design solutions. They will exhibit their skills in both digital and real time presentations.

Prerequisites: IDSN 3500 (B-) and IDSN 3525 and IDSN 3531 and IDSN 3551

Co-requisites: IDSN 3600 and IDSN 3625 and IDSN 3635 IDSN 3600 and IDSN 3625 and IDSN 3635

IDSN 3651 CR-3

Site Tutorial III

Students will engage in intensive off campus (site) tutorial activities that relate(s) directly to their studies in the Studio VI course IDSN 3600. They will study design applications in our community's built environment of both completed and under-construction projects. Students will convene at one or more design firms or project sites to listen to presentations, observe, sketch, analyze, and discuss interior design. Students will also attend lectures, exhibits, and special events, as these opportunities arise.

Prerequisites: IDSN 3500 and IDSN 3521 and IDSN 3531 and IDSN 3541 and IDSN 3551 and IDSN 3561

IDSN 3692 CR-2

Major Field Studies

Students will engage in an intensive field study in another city or country for five to nine consecutive days. They will assimilate design theory and knowledge with respect to the context of site, culture, climate, and geography. They will attend and participate in the scheduled activities at design/architecture firms, buildings and interior spaces, design schools and programs, museums and galleries, and other significant locations of the region. Students, in collaboration with faculty, will determine the destination for the field study from a Kwantlen-approved list.

The cost of travel and all related expenses are borne by the student.

Prerequisites: IDSN 3500 (C+) and 3525 and 3531
Not Transferable

IDSN 4001 CR-4

Senior Studio 1

Students will consolidate previous learning to advance and broaden their understanding of interior design. They will undertake a comprehensive, individually focused, interior design project. Students will choose a project topic and a specific building in which to develop extensive research and programming, culminating in a detailed interior design solution.

Note: Senior Studio is taken over two consecutive semesters and will appear on the transcript as IDSN 4001 and IDSN 4002. Students registering in IDSN 4001 are committing to register in IDSN 4002 in the subsequent term.

Prerequisites: IDSN 3600 (C+)
Co-requisites: IDSN 4720 IDSN 4720
Not Transferable

IDSN 4002 CR-4

Senior Studio 2

Students will consolidate previous learning to advance and broaden their understanding of interior design. They will undertake a comprehensive, individually focused, interior design project. Students will choose a project topic and a specific building in which to develop extensive research and programming, culminating in a detailed interior design solution.

Note: Senior Studio is taken over two consecutive semesters and will appear on the transcript as IDSN 4001 and IDSN 4002.

Prerequisites: IDSN 4001 (C)
Not Transferable

IDSN 4060 CR-2

Professional Experience

Students will participate in a two-week practicum with an interior design or architectural firm. They will increase their knowledge of interior design practices by observing, recording and understanding the operations of the firm and participating in design processes within the firm. Students will reflect critically upon the practicum experience with peers and instructors.

Prerequisites: IDSN 3600 and 3625 and 3635 and 3642
Not Transferable

IDSN 4061 CR-1

Professional Experience

Students will participate in a practicum with an interior design or architectural firm. They will increase their knowledge of interior design practices by observing, recording and understanding the operations of the firm and participating in design processes within the firm. Students will reflect critically upon the practicum experience with peers and instructors.

Prerequisites: IDSN 3600 and 3625 and 3635
Not Transferable

IDSN 4720 CR-3

Advanced Design Studies 1

Students will enhance their knowledge through research and critical evaluation of topics of interest and relevant concerns. They will develop a deeper understanding of historical, current, emerging, and future interior design and built environment issues. Students will formalize their research and disseminate findings in public forums such as presentations, publications, or installations.

Note: Advanced Design Studies is taken over two consecutive semesters and will appear on the transcript as IDSN 4720 and IDSN 4820. Students registering in IDSN 4720 are committing to register in IDSN 4820 in the subsequent term.

Prerequisites: IDSN 3600 and 3625 and 3635
Co-requisites: IDSN 4001 IDSN 4001
Not Transferable

IDSN 4785 CR-3

Professional Practice 1

Students will be introduced to basic business practices for professional interior designers including how to market themselves through a professional resume and portfolio. They will explore the design project as a commercial venture considering the successive phases of the design process. They will debate issues such as global perspective, professionalism, professional organizations, licensure, and ethical standards of practice.

Prerequisites: IDSN 3600 (C+) and 3625 and 3635
Not Transferable

IDSN 4800 CR-5
Thesis Synthesis

Student will consolidate previous learning to advance and broaden their understanding of interior design by completing, presenting, and defending a thesis project using a programming document developed in prerequisite course IDSN 4700, a list of resources utilized, and mentor's guidance.

Prerequisites: IDSN 4700 and IDSN 4721 and IDSN 4765 and IDSN 4781

IDSN 4820 CR-3
Advanced Design Studies 2

Students will enhance their knowledge through research and critical evaluation of topics of interest and relevant concerns. They will develop a deeper understanding of historical, current, emerging, and future interior design and built environment issues. Students will formalize their research and disseminate findings in public forums such as presentations, publications, or installations.

Note: Advanced Design Studies is taken over two consecutive semesters and will appear on the transcript as IDSN 4720 and IDSN 4820.

Prerequisites: IDSN 4001 and 4720 and 4785

Co-requisites: IDSN 4002 IDSN 4002

Not Transferable

IDSN 4860 CR-1 (formerly IDSN 4761)
Work Experience IV

Students will participate in a practicum with an interior design or architectural firm (different firm than the placement in IDSN 3561) with emphasis on observing, recording and understanding the operations of this firm. They will participate in the design processes within the firm to whatever extent is possible.

Prerequisites: IDSN 4700 with a minimum of B- and IDSN 4721 and IDSN 4765 and IDSN 4781

IDSN 4865 CR-1
Mentorship II

Students will develop and maintain a professional relationship with a mentor or mentors, and mentor a junior student. They will seek out advice with their self-directed senior project in IDSN 4800. Students will lead, plan and create a public showcase to present the results of their self-directed senior project.

Prerequisites: IDSN 4700 and IDSN 4721 and IDSN 4765 and IDSN 4781

Co-requisites: IDSN 4800 and IDSN 4880 IDSN 4800 and IDSN 4880

IDSN 4880 CR-3
Professional Practice 2

Students will continue to examine business and professional practice relevant to interior design. They will prepare themselves to enter the interior design profession through improving communication skills in the form of a resume and portfolio as well as interview techniques. They will discuss business procedures such as sales and marketing, financial management, fee proposals and contracts as well as legal, ethical, and professional liability issues. They will also evaluate the contributions of interior design to contemporary society and debate key issues relating to image and perceived value of the profession.

Prerequisites: IDSN 4001 and 4720 and 4785

Not Transferable

IDSN 4900 CR-3
Self-Directed Study

Students in their final years of study will have the opportunity to explore and integrate personal areas of interest and career objectives within the interior design profession (subject to faculty approval). They will gain proficiency in career knowledge and skills required for entry level employment, as well as hone independent learning through research, planning, and presenting a project related to a negotiated area of study.

Prerequisites: IDSN 3500

J**JAPANESE (JAPN)****JAPN 1100 CR-3**
Basic Japanese I

Students who have little or no previous knowledge of Japanese will learn basic communication skills used in a Japanese cultural context. They will develop their ability to speak, comprehend, read, and write Japanese through various communicative tasks.

Transferable (refer to transfer guide)

JAPN 1101 CR-3
Basic Japanese II

Students who have completed Japanese 1100 or an equivalent course will continue learning spoken and written Japanese. They will develop basic oral and written communication skills used in a Japanese cultural context through the study of vocabulary, pronunciation, grammar, and short essay writing.

Prerequisites: JAPN 1100 or assessment by instructor.

Transferable (refer to transfer guide)

JAPN 1200 CR-3
Introduction to Contemporary Japanese Society and Culture

Students who have an interest in Japan, but little or no background in Japanese studies, will gain a broad overview of contemporary Japanese society and culture. They will read, watch, listen to, discuss, and write about a variety of materials introducing topics such as Japan's geography, history, customs and events, social structure, religion, family, demographics, regional cultures, minority groups and subcultures, politics, economy, sports, literature and arts.

NOTE: Students may earn credit for only one of JAPN 1200 and CUST 1200 as they are identical courses.

Transferable (refer to transfer guide)

JAPN 2200 CR-3
Intermediate Japanese I

Students will build on previously acquired listening, speaking, reading, and writing skills. They will further develop intercultural communication skills and increase their understanding of modern Japanese culture.

Prerequisites: JAPN 1101 or assessment by instructor.

Transferable (refer to transfer guide)

JAPN 2201 CR-3

Intermediate Japanese II

Students will build on previously acquired skills and become more fluent and accurate in speech and listening comprehension. They will develop reading and writing skills while increasing their understanding of modern Japanese society and culture. Students will further develop intercultural communication skills in both social and workplace situations.

Prerequisites: JAPN 2200 or assessment by instructor.

Transferable (refer to transfer guide)

JAPN 3300 CR-3

Upper Intermediate Japanese I

Students will develop their proficiency in a variety of contexts with written and spoken Japanese to an upper-intermediate level. They will focus on complex grammatical structures and specialized vocabulary. Students will identify aspects of Japanese culture reflected in the language they learn. They will be introduced to strategies for becoming independent language learners.

Prerequisites: JAPN 2201 or assessment by instructor

Transferable (refer to transfer guide)

JAPN 3301 CR-3

Upper Intermediate Japanese II

Students will extend their proficiency in a variety of contexts with written and spoken Japanese at an upper-intermediate level. They will further explore complex grammatical structures, particularly those related to levels of formality, and will focus on expanding specialized vocabulary and analyzing aspects of Japanese culture reflected in the language they learn. Students will be encouraged to use strategies for directing their own learning.

Prerequisites: JAPN 3300 or assessment by instructor

Transferable (refer to transfer guide)

JAPN 3310 CR-3

Japanese Culture and Business

Students will explore the role and characteristics of business in Japan and the powerful influence of business on contemporary Japanese culture. First, they will follow the development of industry and business in Japan from the beginning of the Edo Period until the end of the Second World War. Then students will examine the remarkable recovery and development of Japan's postwar economy that culminated, in 1980s and 90s, in theories and stereotypes relating to the concept of a unique Japanese business style. Finally, students will examine changes in the Japanese economy since the bursting of Japan's "economic bubble" in the mid 1990s and the effects of these changes on business, society and culture today. Students will read texts as well as current articles in newspapers (such as the Wall Street Journal or The Daily Yomiuri (English edition), journals and magazines (such as The Economist), and watch movies and documentaries in order to explore a broad range of topics, from the role of business in Japan's international relations to its effects on the lives of individual Japanese and their environment.

NOTE: Students may earn credits for only one of JAPN 3310 and CUST 3310 as they are identical courses. The course will be conducted in English.

Prerequisites: 30 credit of 1100-level courses or higher

Transferable (refer to transfer guide)

JAPN 3320 CR-3

Japanese Culture Through Film

Students will deepen their understanding of contemporary Japanese art and culture by viewing important post-war Japanese movies. They will focus on influential directors and characteristic genres, including but not limited to comedies, samurai epics and anime [animation]. Students will view a variety of works (in English or Japanese with English subtitles), discuss important themes and cultural references, and connect these movies to the broader Japanese culture, especially youth culture. They will observe how movies both make and question "culture" and, in turn, how culture determines the content of movies and their popular success. Students will read works by critics who examine various characteristics of Japanese culture, especially its "visual bias", evident in arts ranging from Japanese writing (Kanji) and wood-block prints (ukiyo-e) to contemporary movies, magazines, commercials, and fashion. Students will also identify the contributions of Japanese film to international "movie culture" and discuss, more generally, the importance of visual media in the post-modern, post-literate, non-rhetorical age of film, television and the Internet. Finally, they will consider how the increasing success of Japanese animation in foreign markets might contribute to Japan's cultural integration into the global community and discuss the future of post-modern technological societies.

NOTE: Students may earn credits for only one of JAPN 3320 and CUST 3320 as they are identical courses. The course will be conducted in English.

Prerequisites: 3 credits of 1100-level courses or higher

Transferable (refer to transfer guide)

JAPN 3350 CR-6

Contemporary Japanese Society and Culture: Field School

Students will consolidate their knowledge of Japanese society and culture through living and studying in Japan. Students will interact with Japanese students and people in the communities they visit, attend lectures and visit historically and culturally significant sites. They will identify aspects of Japanese culture and society of special interest to them and undertake individually-structured research projects designed to deepen their knowledge in their areas of interest.

Note: Students must be nineteen years or older. They will spend two weeks at Kwantlen and three weeks in Japan. This course and its activities will be conducted in English.

Students may earn credits for only one of CUST 3350 or JAPN 3350 as they are cross-listed courses.

Prerequisites: 30 credits of 1100-level courses or higher, including JAPN/CUST 1200, or permission by instructor

Not Transferable

JAPN 4320 CR-3

Understanding Japanese Culture through Literature

Students will deepen their understanding of the history, complexity and beauty of Japanese culture by exploring its writing systems and literature. They will closely examine, in English translation, examples from various genres in order to better understand how the written language interrelates with other aspects of Japanese culture. They will critique theories that attempt to explain Japanese culture in relation to writing. Students will observe how Japanese literature represents the living culture of Japan at various time periods (but especially since the Meiji Restoration of 1868), and they will question how these representations contribute to nation-making and to forming Japanese identity.

Note: The course will be conducted in English. It isn't necessary for students to be able to speak or read Japanese, as all texts will be in English translation. Students may earn credit for only one of JAPN 4320 and CUST 4320 as they are identical courses.

Prerequisites: 60 credits of 1100 courses or higher, including one of the following: JAPN/CUST 1200, JAPN/CUST 3310, JAPN/CUST 3320, JAPN 1101(or assessment by instructor), ANTH 1100, ENGL 2319, HIST 1150, LING 1300.

Transferable (refer to transfer guide)

JAPN 4400 CR-3

Advanced Japanese I: Conversation

Students will expand their proficiency in a variety of social and academic contexts with spoken Japanese at an advanced level. They will refine their knowledge of Japanese oral communication skills, including complex grammatical structures and specialized vocabulary, as well as analyze aspects of Japanese culture reflected in the language they learn. They will further develop discourse and sociolinguistic competence through a variety of activities using authentic materials in the popular media. Students will also learn how to utilize texts and written work in support of their developing oral skills.

Prerequisites: JAPN 3301 or assessment by instructor

Transferable (refer to transfer guide)

JAPN 4410 CR-3

Advanced Japanese for Business

Students will develop their Japanese language skills at an advanced level for careers in business, trade, and commerce. They will learn how to prepare documents of the type commonly used in Japanese business environments. They will also expand their intercultural communication skills in the Japanese business environment and enhance their ability to participate in various business activities in Japanese in a culturally appropriate manner.

Prerequisites: JAPN 3301 or assessment by instructor

Transferable (refer to transfer guide)

JOURNALISM (JRNL)

JRNL 1160 CR-3

Introduction to Journalism

Students will explore how journalism fits in a media landscape that includes both traditional mainstream news sources and alternative information sources such as social networking, YouTube, Twitter and blogs. They will also explore reporting by citizen journalists. Students will explore the ramifications of economic and technological change in the industry. They will also study its impact on journalists and journalism, citizens, human rights, community and democracy.

Prerequisites: A grade of 'B' in English 12 (or equivalent)

Transferable (refer to transfer guide)

JRNL 1220 CR-3

Citizen Journalism

Students will explore the role of citizen journalism in the dissemination of information. They will explore the investigative techniques commonly employed by professional journalists, including but not limited to court searches and Freedom of Information requests. They will learn how to use many of these techniques to find information important to themselves and their communities. They will discover how tools such as blogging, social networking and search engine optimization can be used to share this information with the larger community. They will learn how to write clearly and concisely. Students will also explore how media law affects citizen journalism, and vice versa.

Prerequisites: A grade of 'B' in English 12 (or equivalent)

Transferable (refer to transfer guide)

JRNL 2120 CR-3

Storytelling 1

Students will explore journalistic and other non-fiction storytelling, with an emphasis on the different writing styles and conventions of such genres as narrative, documentary, online, print and broadcast media. Students will analyze a range of non-fiction storytelling and reporting, explore the importance of audience, and create works in a variety of styles.

Prerequisites: JRNL 1160

Transferable (refer to transfer guide)

JRNL 2140 CR-3

Introduction to News: How We Inform Ourselves

Students will explore the evolving concept of news and related issues of how a civil society informs itself, through examining the professionalization of the media, the development of objectivity and changes in the late stages of a mass media culture. Students will examine questions such as: What is news? Is objectivity possible? What is the difference in how news is covered and presented by different media operations? What are the effects of citizen journalism, "corporatization" and other ownership models of the media? What is the impact of wide-scale cultural disruption on news coverage?

Prerequisites: JRNL 1160

Transferable (refer to transfer guide)

JRNL 2230 CR-3**Multimedia Storytelling**

Students will explore the types of multimedia journalism and other non-fiction storytelling made possible by inexpensive hardware and software tools, and the ability to easily publish on the Internet. They will explore the role of audio, video and interactivity in creating rich, immersive stories, through profiles, event coverage, journalistic storytelling and other modes. Students will learn storytelling skills and the technical skills (both hardware and software) needed to create effective stories of their own.

Prerequisites: JRNL 1160

JRNL 2240 CR-3**Beyond the News**

Students will examine what is happening in media areas beyond news, including, but not limited to, health and science, education, sports, entertainment, fashion and lifestyles, and opinion writing. Students will explore the evolving mediascape, which includes traditional media and new-media competitors, and examine differences in writing styles and presentation. They will examine the potential for accessing and providing in-depth information in specialist and niche areas, analyze non-news publications, and develop and publish traditional or non-traditional information projects in their own areas of interest.

Prerequisites: JRNL 1160

JRNL 2250 CR-3**Public Affairs Journalism 1**

Students will explore the relationship between journalism and politics, investigate the role of journalism as a public watchdog, and learn about the historical and current practice of journalism as it impacts public policy. They will examine a range of political coverage including: journalistic coverage of politics in the form of multimedia news stories, opinion pieces, editorials and blogs, and strategic use of political communication by governments and political parties.

Prerequisites: JRNL 1160

Transferable (refer to transfer guide)

JRNL 2471 CR-4.5**Work Experience**

Students will experience the daily routine used in the preparation of a publication during a four-week industry placement. They will perform the duties of full-time reporters during their placement, applying the skills they learned in the first two years of the program.

Prerequisites: JRNL 2301 and JRNL 2332 and or JRNL 2373

JRNL 3155 CR-3**Storytelling 2: Reporting**

Students will learn the essential skills of reporting, including conducting interviews; writing different types of stories; establishing connections with reliable sources; finding stories; and writing stories for a variety of media platforms. They will examine the differences between news writing and that of feature, column, blog and editorial writing. Students will critique news coverage of local, national and international events and develop the ability to recognize and write a newsworthy story.

Note 1: Students are required to have a digital audio recorder and hand-held microphone for this course. Specifications will be provided by the department.

Note 2: This course may include mandatory field trips.

Prerequisites: 45 credits of any 1100-level or higher courses, including ENGL 1100 and JRNL 1220 and JRNL 2120 and JRNL 2230

Not Transferable

JRNL 3160 CR-3**Photojournalism**

Students will learn still and video photojournalism basics for print and online publication. They will explore the differences between photojournalism and other types of photography. They will gain practical experience while photographing and/or video-recording subjects in a variety of lighting conditions and locations requiring different techniques. Students will learn basic video-editing, principles of photo layout and use of photojournalism software such as Adobe Photoshop and Soundslides.

Note: Students are required to have a digital single-lens reflex (SLR) camera for this course. Specifications will be provided by the department.

Prerequisites: 45 credits 1100-level or higher courses, including JRNL 1160

JRNL 3170 CR-3**Storytelling 3: Narrative Nonfiction**

Students will explore the world of narrative nonfiction, which marries strong journalism and narrative storytelling. They will learn advanced nonfiction writing techniques and how the nonfiction-publishing industry functions, both online and in print. They will analyze published work, including but not limited to magazine articles, books, memoirs and personal essays. They will learn the art of narrative nonfiction and develop their "voices" as writers.

Prerequisites: 45 credits 1100-level or higher courses, including JRNL 1220 and JRNL 2120 and JRNL 2230 and ENGL 1100
Transferable (refer to transfer guide)

JRNL 3260 CR-3**Media Economics and Entrepreneurial Journalism**

Students will explore the economics of existing and emerging media. They will also explore the implications and opportunities for journalists working in traditional and new media. They will learn skills, techniques and technologies needed for developing a professional reputation and personal brand. Students will learn the organizational, business and personal skills needed for freelance employment, and for leading or working as a team member with media start-up companies.

Prerequisites: 45 credits 1100-level or higher, including JRNL 1220 and JRNL 2120 and JRNL 2230 and ENGL 1100
Not Transferable

JRNL 3270 CR-3

Advanced Photojournalism

Students will expand their photojournalism skills in the use of professional-standard cameras to produce and publish photographs and videos. They will explore the legal and ethical aspects of photojournalism and consider the role of photojournalism in public discourse. They will learn how to control lighting and other variables in various locations. Students will learn and apply advanced techniques in such photojournalism software as Adobe Photoshop and programs for video-editing and combining still photographs and audio for online publication. They will produce a portfolio of their work and learn about freelancing as a photojournalist.

Note: Students are required to have a digital single lens reflex (SLR) camera for this course. Specifications will be provided by the department.

Prerequisites: 45 credits 1100-level or higher, including JRNL 2230 and JRNL 3160

JRNL 4140 CR-4.5

Work Experience II

A work experience is arranged during the seventh semester with newspapers, magazines or online publications in and out of the college area. Students will experience the daily routine used in the preparation of a publication during a four-week industry placement where they will perform the duties of full-time staffers. Following that work experience, they will report back with an assessment.

JRNL 4141 CR-3

Work Experience

Students will work for 120 hours, or equivalent, as journalists in one or more media businesses or organizations. They will further their personal and professional development, integrating knowledge and skills acquired from the Journalism curriculum in the context of their practical experience. They will investigate potential job markets through the work-experience placements they choose, such as freelance work, job shadowing and fixed-term placements. They will develop their journalistic skills in areas of interest to build contacts and create networks that will help them in their careers.

Note: Placements must be approved by the department.

Note: Students must be registered in the Bachelor of Journalism and have a minimum GPA of 3.3.

Note: Equivalency to 120 hours is determined by the department based on work produced in a project-based placement or placements.

Prerequisites: 45 credits 1100-level or higher courses, including JRNL 3155 and JRNL 3160

Not Transferable

JRNL 4160 CR-3

Journalism Research Methods

Students will learn to use a critical approach in conducting advanced research using electronic databases and other information sources including, but not limited to: social media; blogs; public and corporate websites; Statistics Canada; scholarly journals; and mainstream news media. They will learn about and apply media law and journalism principles of fairness, accuracy and balance in assessing and comparing the validity of various information sources. They will use Freedom of Information (FOI) and Access to Information (ATI) laws to obtain government records. They will use information gathered via various research methods to write original journalism articles.

Note: The Journalism and Communications Studies department strongly recommends students have three quantitative-course credits before taking this course. Check with the department for recommended quantitative courses.

Prerequisites: 45 credits of any level-1100 or higher, including JRNL 1220 and JRNL 2120 and JRNL 3155

JRNL 4165 CR-3 (formerly JRNL 4160)

Data Journalism

Students will learn how to use data-journalism techniques to produce compelling news stories and interactive online tools. They will obtain raw data, from open-data portals and using Freedom of Information and Access to Information requests. They will analyze data, using tools such as Excel Pivot Tables, to find patterns that can form the basis of interesting journalism. They will also create a range of engaging online tools, including maps, interactive graphics and searchable databases. They will explore and apply media law and journalism's principles of fairness, accuracy and balance in assessing and comparing the validity of various information sources.

Note: The Journalism and Communications Studies department strongly recommends students complete three quantitative-course credits before taking this course. Check with the department for recommended courses.

Prerequisites: JRNL 3155

Not Transferable

JRNL 4190 CR-3

Directed Study Honours I - Research

Students working under the supervision of a faculty member will identify a topic for their honours thesis and undertake a research program that includes an extensive reading list developed by the student and faculty supervisor. They will design an outline for their thesis project.

Prerequisites: JRNL 3200

JRNL 4240 CR-3 (formerly JRNL 3120)

Social Issues Journalism

Students will explore the history and practice of social-issues journalism, a long-established branch of reporting that ranges from the work of early social commentators such as Charles Dickens to today's investigative reporters. They will analyze social-issues journalism, which combines feature narrative writing, investigative reporting, and an invitation to change that goes beyond standard journalism. They will explore the ethics and traditions of social-issues journalism from the perspective of the public interest. They will be expected to be aware of political and social issues in their own communities. Students will compare journalistic and academic-writing styles and write a social-issues journalism feature on a specific social issue, or an academic essay about social-issues journalism for their final project.

Note: Students who wish to write a journalistic narrative feature, rather than an academic essay, are advised to take JRNL 3155: Storytelling 2 - Reporting prior to attempting this course as the narrative project requires at least a basic understanding of journalism-specific writing skills and formats. However, all students have the option of writing an academic paper instead.

*Prerequisites: 60 credits of any 1100-level or higher courses, including JRNL 3155 and ENGL 1100
Transferable (refer to transfer guide)*

JRNL 4250 CR-3

Public Affairs Journalism 2

Students will critique and generate political stories at the local, regional, provincial and federal levels, using a variety of information sources. They will learn how to access documents and individuals as sources of information, and how to evaluate and select information for use in news stories. They will consider the watchdog role of political reporting in a democracy, and will examine interactions among journalists, politicians, bureaucrats and non-governmental organizations and lobby groups with diverse interests, from Greenpeace to the Canadian Taxpayers Federation.

Note: This course may include mandatory field trips.

*Prerequisites: 45 credits of any 1100-level or higher courses, including JRNL 3155 and POLI 1120 and ENGL 1100
Not Transferable*

JRNL 4260 CR-3

Computer Programming for Journalists

Students will be exposed to and work in a number of programming and scripting languages (including, but not limited to Flash ActionScript, JavaScript, HTML and Cascading Stylesheets, and the PHP scripting language) and programs (such as Adobe Flash) that are used to create visually rich, interactive media websites and components of those sites. They will apply a range of skills needed to create and publish interactives, and to design, develop and deploy database-driven information applications. They will develop full-featured websites.

Note: This is a hands-on course, which requires basic computer literacy; however, previous knowledge of computer programming is not required.

Prerequisites: 45 credits of 1100-level or higher, including JRNL 1220 and JRNL 2120 and JRNL 2230

JRNL 4270 CR-3

Advanced Storytelling

Students will work as a newsroom team during the semester to report and produce stories for a single-theme on-line publication (a story package). Students will develop the initial concept and identify stories using the full-range of storytelling methods (narrative text, visualized data, video, audio, photography, etc.). They will also learn or deepen skills in storytelling, website design and interactivity. They will produce a final project that will be a rich and interactive website on the assigned topic.

Note: Students are required to have a digital SLR camera and digital audio recorder for this course. Specifications will be provided by the department.

*Prerequisites: 60 credits of 1100-level or higher, including JRNL 3155 and ENGL 1100
Not Transferable*

JRNL 4290 CR-3

Honours Thesis

Students working under the supervision of a faculty member will write an honours thesis based on the research and outline completed in Journalism 4190. Students will engage in an extensive process of draft-writing and revisions to produce the final thesis.

Prerequisites: JRNL 4190

JRNL 4295 CR-3

Journalism Honours Seminar

Students will explore contemporary mass communication and journalism issues and research strategies. They will examine advanced methodological approaches to mass communications and journalism research through critical evaluation and evaluate the strengths and weaknesses of a variety of research methods. This course is mandatory for those students registered in the Bachelor of Applied Journalism Honours Degree.

Prerequisites: Admission to the Bachelor of Applied Journalism

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LEGAL ADMINISTRATIVE STUDIES (LGLA)

LGLA 1115 CR-3 (formerly ABTY 1115)

Bookkeeping For the Law Office

Students will practice basic bookkeeping functions for a law office. They will perform all functions of the complete accounting cycle, reconcile bank statements and perform payroll functions.

LGLA 1125 CR-3

Introduction To Legal Office Procedures And Legal Research

Students will study and apply the procedures and documentation related to a general legal office for success in the workplace. They will work in teams to examine statute and case law.

LGLA 1135 CR-3 (formerly ABTY 1135)

Computer Competency

Students will produce databases, spreadsheets and reports, and slide shows using Microsoft Excel, Access and PowerPoint.

LGLA 1145 CR-3 (formerly ABTY 1145)**Word Processing**

Students will produce a variety of business documents using basic and intermediate features of word processing software. Proper formatting, proofreading, and attention to detail will be emphasized.

LGLA 1155 CR-3 (formerly ABTY 1155)**Business Communications**

Students will practice English language skills, applying the mechanics of style, developing proofreading and editing skills and using words effectively. They will apply these skills to a variety of business communications.

LGLA 1202 CR-3 (formerly ABTY 1202)**Legal Office Procedures - Corporate Law**

Students will study the BC Business Corporations Act, and any relevant acts and regulations, and the terminology and procedures relating to corporate law. They will prepare and process the documentation required for incorporation of a company, for post-incorporation, for annual requirement and for registration, and will file the appropriate documents with the Registrar of Companies.

LGLA 1203 CR-3 (formerly ABTY 1203)**Legal Office Procedures - Conveyancing**

Students will apply the procedures and documentations related to the transfer of real estate in British Columbia. They will focus on the transfer of title of residential properties, including strata title and mortgage financing.

Prerequisites: (ABTY 1145 and ABTY 1155 and ABTY 1202 and ABTY 1205) or [LGLA 1145 and (LGLA 1155 or CMNS 1140) and LGLA 1202 and LGLA 1205]

LGLA 1204 CR-3 (formerly ABTY 1204)**Legal Office Procedures - Wills and Estates**

Students will prepare and process wills, codicils, applications for Letters Probate and Letters of Administration, correspondence regarding estates, distribution and passing of accounts

Prerequisites: (ABTY 1145 and ABTY 1155 and ABTY 1202 and ABTY 1205) or [LGLA 1145 and (LGLA 1155 or CMNS 1140) and LGLA 1202 and LGLA 1205]

LGLA 1205 CR-3 (formerly ABTY 1205)**Legal Office Procedures - Litigation**

Students will study the process of civil litigation in BC. They will learn the preparation and processing of civil litigation documents, including trial procedures and collections procedures resulting from court judgments.

LGLA 1206 CR-3 (formerly ABTY 1206)**Legal Office Procedures - Family Law**

Students will be introduced to the process of family law in BC. They will learn the preparation and processing of family law documents, including trial procedures and collections procedures resulting from court judgments. Student centered instruction will focus on the legal procedures and documentation related to marriage agreements, separation agreements, division of family assets and defended and undefended divorces. Students will become familiar with the requirements of the Divorce Act and the Family Relations Act

Prerequisites: (ABTY 1145 and ABTY 1155 and ABTY 1202 and ABTY 1205) or [LGLA 1145 and (LGLA 1155 or CMNS 1140) and LGLA 1202 and LGLA 1205]

Transferable (refer to transfer guide)

LGLA 1399 CR-3 (formerly ABTY 1399)**Legal Assistant Work Experience/Project**

Students will apply academic and practical knowledge and skills through relevant experience in the workplace or through the completion of a comprehensive project.

Prerequisites: (ABTY 1125 and ABTY 1145 and ABTY 1155 and ABTY 1202 and ABTY 1205) or [LGLA 1125 and LGLA 1145 and (LGLA 1155 or CMNS 1140) and LGLA 1202 and LGLA 1205]

Co-requisites: (ABTY 1115 and ABTY 1135 and ABTY 1203 and ABTY 1204 and ABTY 1206) or [LGLA 1115 and (LGLA 1135 or CBSY 1105) and LGLA 1203, and LGLA 1204 and LGLA 1206] (ABTY 1115 and ABTY 1135 and ABTY 1203 and ABTY 1204 and ABTY 1206) or [LGLA 1115 and (LGLA 1135 or CBSY 1105) and LGLA 1203, and LGLA 1204 and LGLA 1206]

LINGUISTICS (LING)

LING 1100 CR-3**Introduction to Language Structure**

Students will acquire a basic understanding of the structural properties of languages in general. They will learn how words and sentences are formed and how sounds are articulated and patterned. Students will analyze examples from a variety of languages and discuss applications of linguistic findings to language learning and teaching.

Transferable (refer to transfer guide)

LING 1300 CR-3**Languages of the World**

Students will learn fundamental facts about the world's languages and will examine topics critical to language. They will examine a range of questions: the regional and historical similarity and diversity of languages, linguistic typology and language universals, sound and structural features of the world's languages, issues of languages in contact, minority language endangerment, and the role of English as a world language.

Transferable (refer to transfer guide)

LING 2120 CR-3**Grammatical Patterns in Language**

Students will examine the principles that govern the way that words are created and organized into sentences, and how the meanings of words and sentences are interpreted. They will investigate the systems that underlie the organization and structure of natural languages and apply these principles to the description and analysis of individual languages. Students will evaluate and analyze data from a variety of languages around the world.

Prerequisites: LING 1100

Transferable (refer to transfer guide)

LING 2300 CR-3**Language in Society**

Students will examine the relationship between language and culture in past and present societies. They will analyze variation in language based on region, social class, gender, and age. Students will study contact and conflict between languages and look at different kinds of language policies enacted throughout the world. Students will also investigate how cultural attitudes and expectations and group attachments affect language usage.

Prerequisites: LING 1100 or LING 1300

Transferable (refer to transfer guide)

LING 2400 CR-3

First and Second Language Acquisition

Students will study processes and issues associated with a child learning a first language and an adult studying a second language. Topics will include the acquisition of vocabulary, grammar and pronunciation. Students will become familiar with normal language development and review fundamental questions in current theoretical models.

Prerequisites: LING 1100

Transferable (refer to transfer guide)

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MANDARIN (MAND)

MAND 1100 CR-3

Beginner Mandarin I

Students will develop basic skills in listening, speaking, reading and writing in Mandarin Chinese while exploring the Chinese culture. This course is intended for students who cannot write more than 200 Chinese characters.

Transferable (refer to transfer guide)

MAND 1101 CR-3

Beginner Mandarin II

Students will practice and enhance the basic linguistic skills developed in Mandarin 1101 and will acquire additional grammatical structures and vocabulary for achieving intermediate proficiency in conversation, reading, writing and translation as well as further understanding of the Chinese culture and customs.

Prerequisites: MAND 1100, or Mandarin 11, or assessment by instructor

Transferable (refer to transfer guide)

MAND 2200 CR-3

Intermediate Mandarin I

Students will practice and enhance the basic linguistic skills developed in Mandarin 1101 and will acquire additional grammatical structures and vocabulary for achieving intermediate proficiency in conversation, reading, writing and translation as well as further understanding of the Chinese culture and customs.

Prerequisites: MAND 1101, or Mandarin 11 with B, or Mandarin 12 with C, or assessment by instructor

Transferable (refer to transfer guide)

MAND 2201 CR-3

Intermediate Mandarin II

Students will build on previously acquired linguistic skills to further the development of speaking and writing skills and the understanding of the Chinese culture. They will focus on intermediate reading, conversation, translation and composition.

Prerequisites: Mandarin 2200, or Mandarin 12 with B, or assessment by instructor

Transferable (refer to transfer guide)

MAND 3300 CR-3

Mandarin for Speakers of Other Chinese Dialects I

Students will learn Mandarin phonetics (including its Pinyin spelling system) and will study the differences between Mandarin and other Chinese dialects in terms of pronunciation, grammar, diction and character writing. They will develop communicative competence in conversational Mandarin through a set of practical situations. Students need to have basic reading and writing skills in the Chinese language to take this course.

Prerequisites: None. However, students should contact the instructor for assessment if they are not sure of their level.

Transferable (refer to transfer guide)

MAND 3301 CR-3

Mandarin for Speakers of Other Chinese Dialects II

Students will review Mandarin phonetics (including the Pinyin spelling system) and study a variety of writings and discourses. They will further develop and refine their aural comprehension and oral fluency in Mandarin Chinese.

Prerequisites: MAND 2201 or 3300 or assessment by instructor.

Transferable (refer to transfer guide)

MAND 3310 CR-3

Upper Intermediate Mandarin: Reading and Writing I

Students will use a communicative approach to reinforce and expand their reading, writing, listening and speaking skills at the upper intermediate level with a special focus on the first two linguistic skills. They will study more complex grammatical structures and vocabulary as well as a variety of topics on social and cultural issues. They will achieve upper intermediate proficiency in both reading and writing in various social and cultural contexts.

NOTE: Students with a competence in the language beyond the level of the course in which they are registered may be required to withdraw.

Prerequisites: MAND 2201 or MAND 12 with an A or assessment by instructor

Transferable (refer to transfer guide)

MAND 3311 CR-3

Upper Intermediate Mandarin: Reading and Writing II

MAND 3311 is a continuation of MAND 3310. Students will use a holistic approach to develop their reading, writing, speaking and listening skills of the Chinese language at the upper intermediate level with a special focus on the first two linguistic skills. They will consolidate their language knowledge with more complex grammatical structures, phrases and idioms. Students will gain more writing skills with various forms in Chinese social and cultural contexts. They will achieve upper intermediate proficiency in both reading and writing with more sophisticated skills and advanced usages

Prerequisites: MAND 3310 or assessment by instructor

Transferable (refer to transfer guide)

MAND 3312 CR-3

Chinese Language and Culture Through Film

Students will acquire an authentic Chinese language and culture experience through viewing and analyzing selected Chinese films. They will use visual scenarios to improve their communication skills in Mandarin and to enhance their understanding of the Chinese culture. This course is conducted in Mandarin.

Prerequisites: Mandarin 12 with an A or MAND 2201 or higher or assessment by instructor

Transferable (refer to transfer guide)

MAND 4321 CR-3**Business Chinese I**

Students will learn specialized Chinese business vocabulary, conventions of business interaction and correspondence so as to be able to participate adequately in various business activities, and to process different Chinese business documents.

Note: Students must know approximately 2000 Chinese characters

*Prerequisites: MAND 3311 or assessment by instructor
Transferable (refer to transfer guide)*

MAND 4323 CR-3**Business Chinese II**

Students will continue to learn specialized Chinese business vocabulary, conventions of business interaction and correspondence so as to further enhance their ability to participate fully in various Chinese business activities, and to deal with different business documents.

*Prerequisites: MAND 4321 or assessment by instructor
Transferable (refer to transfer guide)*

MAND 4481 CR-3**Modern Chinese Literature I**

Students will study modern Chinese literature from the May 4th Movement in 1919 to 1949 when the People's Republic of China was founded. They will read a selection of the best known modern Chinese fiction, prose and poetry written during this period by writers in China, Taiwan and Hong Kong as well as by overseas Chinese writers. Students will also learn basic literary theories so as to cultivate their ability for literary analysis, appreciation and research.

*Prerequisites: MAND 3311 or assessment by the instructor
Transferable (refer to transfer guide)*

MAND 4483 CR-3**Modern Chinese Literature II**

Students will study modern Chinese literature from 1949 when the People's Republic of China was founded to the beginning of the 21st century. They will read a selection of the best known modern Chinese fiction, prose and poetry written during this period by writers in China, Taiwan and Hong Kong as well as by overseas Chinese writers. Students will continue to learn literary theories to further aid their literary understanding, appreciation and research.

*Prerequisites: MAND 4481 or assessment by the instructor
Transferable (refer to transfer guide)*

MARKETING (MRKT)**MRKT 1199 CR-3****Introduction to Marketing**

Students will learn the fundamentals of marketing and explore the relationships between companies, their customers and their competition. They will examine concepts that are integral to the field of marketing including marketing environment, customer behaviour, marketing research, product analysis, distribution, pricing strategies and promotion. They apply these concepts in solving marketing problems.

Transferable (refer to transfer guide)

MRKT 1220 CR-3**Dynamic Selling**

In this course, students make an intensive study of the theory and practice of personal selling, during which they will practice their selling skills on local companies. The course also briefly examines the main aspects of the sales management function.

MRKT 1299 CR-3**Consumer Behaviour**

Students will explore buyer behaviour and motivation using key theories from various social sciences (including Anthropology, Sociology and Psychology) and apply these theories in contemporary marketing situations.

*Prerequisites: MRKT 1199
Transferable (refer to transfer guide)*

MRKT 2111 CR-3**Introduction to e-marketing**

Students will learn the techniques and principles of e-marketing in the rapidly changing Internet environment. Students will study and evaluate various business models employing e-marketing strategies with a range of outcomes. Students will learn about fundamental business and marketing concepts, consumer behaviour, strategic objective setting, channel structures and examine such roles in the Internet environment.

*Prerequisites: MRKT1199
Not Transferable*

MRKT 2235 CR-3**Small Business Entrepreneurship**

Students will learn the fundamentals of small business ownership in a Canadian context and learn to make decisions on entrepreneurship. They will also learn the elements needed to identify and develop successful business ideas, and apply these to the business planning process in an entrepreneurial environment.

*Prerequisites: MRKT 1199 and (ACCT 1110 or ACCT 1210 or ACCT 2293)
Not Transferable*

MRKT 2321 CR-3**Retail Management**

Students will be introduced to both theoretical knowledge and practical skills in a variety of retail business models. They will learn consumer behavior, store design and layout, merchandise planning, services marketing, retail pricing strategy, advertising and selling.

*Prerequisites: MRKT 1199
Not Transferable*

MRKT 2333 CR-3**Marketing Management I**

Students will learn to combine fundamental marketing concepts with proven organizational management practices. Students will focus particular attention on the planning process, innovation and product development, and managerial control.

*Prerequisites: MRKT 1299 and (ACCT 1230 or MATH 1115 or PSYC 2300)
Transferable (refer to transfer guide)*

MRKT 2340 CR-3**Marketing Research**

Students will learn the theory and practice of marketing research as an aid to management decision-making. They will work on a "real-life" research project.

Prerequisites: MRKT 1199 and (ACCT 1230 or BUQU 1230 or MATH 2341 or PSYC 2300 or SOCI 2365 or CRIM 2103)

Not Transferable

MRKT 2360 CR-3**Selling and Sales Management**

Students will learn the theory and skills of professional selling and demonstrate these skills through completion of a practical selling project. Students will study basic selling processes, including prospecting, needs analysis, and formal sales presentations. Students will undertake a real life sales project that will require them to meet activity and sales targets. Students will begin this course with the theory and skills of professional selling, preparing them to complete a practical selling project. Students will also examine the sales management function in depth.

Prerequisites: MRKT 1199

Transferable (refer to transfer guide)

MRKT 2401 CR-3**Introduction to Integrated Marketing Communications - Advertising**

Students will work in creative teams to develop and present a comprehensive marketing communications proposal for a domestic marketing organization. They will thoroughly review of the field of contemporary advertising and promotion in Canada throughout the course. Students will closely examine the evolving theory and practice of developing an overall communications program as well as the client/agency relationship. Students will emerge from this course with the skills to expand their comprehension of Integrated Marketing Communications (IMC) in subsequent courses.

Prerequisites: MRKT 1199

Not Transferable

MRKT 2421 CR-3**Retail Buying and Merchandise Management**

Students will learn both theoretical and practical skills in retail merchandise management and retail buying. Students will examine evolving retail and societal trends and understand the impact of those trends on the retail and merchandise management strategies.

Prerequisites: MRKT 1199

Not Transferable

MRKT 2444 CR-3**Marketing Management II**

Students will apply marketing principles and methods from previous courses in the preparation of a detailed professional marketing plan for a real client. Students will develop and present their detailed marketing plan with strong emphasis placed on demonstration of analytical, critical thinking and research skills as well as a solid application of marketing. Students will work independently in the field and one-on-one with the instructor for much of the semester.

Prerequisites: MRKT 2333 and MRKT 2340

Transferable (refer to transfer guide)

MRKT 2455 CR-3**International Marketing**

Students will focus on the export needs of a local small to medium sized enterprise (SME), and on how its current product line can be marketed abroad. They will investigate how marketers must adapt to foreign environments and adeptly resolve conflicts between political, cultural and legal forces in order to be successful.

Prerequisites: MRKT 1199

Transferable (refer to transfer guide)

MRKT 3211 CR-3**Managing the Communication Process**

Students will learn the essential project management skills associated with strategic planning, briefing creative services, and delivering creative projects through a variety of traditional and modern marketing media. They will learn how key messages and graphic standards are delivered effectively and consistently to achieve marketing objectives.

MRKT 3240 CR-3**Marketing Information Management**

Students will learn to collect, analyze and interpret data available from a variety of sources, internal and external to the organization, to uncover the marketing insights that will provide competitive advantage for an organization. Students will use contemporary data tools and emerging information technologies of marketing information management.

Prerequisites: ENTR 3140 Entrepreneurial Marketing

(ENTR 3120 Managerial Accounting is highly recommended)

Not Transferable

MRKT 3311 CR-3**Marketing in a Digital World**

Students will learn the key business and technological elements of digital marketing explained through theory and business case analysis. Students will become familiar with a variety of online marketing tools (new media) that support the online marketing functions that help drive traffic to a website, improve conversion rates, and achieve overall marketing objectives.

MRKT 4160 CR-3**Business Development**

Students will learn to manage and direct the sales function to achieve organizational goals. They will develop consultative selling skills through study of key account management, group negotiations, and the preparation of proposals and quotations. Students will study leadership and managing a sales force, sales channels and the importance of strategic alliances which will prepare students to assume sales leadership roles in the organization.

MRKT 4177 CR-3**Contemporary Issues in Marketing**

Students will analyze and gain insight into significant contemporary marketing issues such as globalization and cross-cultural marketing, online marketing and e-commerce, modern corporate culture, outsourcing and marketing and business ethics. Students will interact with guest speakers, plan and lead seminar discussions, research and analyze contemporary marketing strategies and theories, and produce and present a comprehensive research project.

Prerequisites: 60 credits at the 1100 or higher level including ENGL 1100 and MRKT 1199

MRKT 4201 CR-3

Integrated Marketing Communication

Students will learn the fundamentals of market segmentation, positioning and targeting while acquiring skills in the alignment of all aspects of an organization's communication, covering a complete range of target audiences, to create a coherent integrated communication program. They will manage the organization's brand identity and communication with consumers, media, governments, employees, shareholders and community groups. Students will learn how to use a comprehensive variety of communication options in order to maximize return-on-marketing investment.

Prerequisites: MRKT 3211 and MRKT 3311

MRKT 4330 CR-6

Bachelor Business Administration in Marketing - Practicum

Students will apply marketing theory to undertake a major marketing analysis and develop a detailed marketing plan for an operational client/organization. They will practice the integration of marketing and business concepts learned throughout the degree; manage, design, prepare and present a comprehensive project that will meet the requirements of the operational organization. Students will develop and complete substantial primary research, that includes the design, implementation, and analysis of the client's marketing issue. They will develop a marketing plan that will be fully costed with all numbers justified. Students will provide recommendations that will have metrics attached to it so the operational organization/client can measure the success or failure of the activity undertaken. Student teams will develop, launch and manage an online business or participate in a competitive marketing business simulation program. The teams will make decisions and be held accountable for them through achievement of specified measurable Web Analytics, profit and loss results and other metrics in a competitive team environment.

Prerequisites: ENTR 3000 and ENTR 3110 and ENTR 3120 and ENTR 3130 and ENTR 3140 and ENTR 3150 and ENTR 4110 and MRKT 3240 and MRKT 4160 and MRKT 4201

Co-requisites: MRKT 4177 MRKT 4177

Not Transferable

MASONRY (MSRY)

MSRY 1001 CR-1.5

Masonry History and Communication

Students will describe the evolution of the bricklaying trade and will identify major historical architecture. They will know the role of the apprentice, business and labour organizations, and will recognize the responsibilities of employers and employees. Students will also learn to identify employability and leadership skills required in the bricklaying industry.

MSRY 1005 CR-2.5

First Aid and Safety in the Masonry Trade

Students will demonstrate the operation of forklift equipment and concrete fasteners and powder-actuated tools. They will be familiar with Workers' Compensation and WHMIS standards and procedures. Students will be able to describe recommended working and safety practices in the masonry trade and will complete a certificate in first aid.

Prerequisites: MSRY 1001

MSRY 1010 CR-3

Materials in the Masonry Trade

Students will describe and demonstrate the storage, mixing and application of the five types of mortar with respect to type of brick and block. They will identify the characteristics of mortar, brick and block. Students will demonstrate the construction of masonry units, and will describe the development of mortar.

Prerequisites: MSRY 1005

MSRY 1015 CR-2

Mortar, Grout, Layout and Construction in Brick Masonry

Students will demonstrate the appropriate use of mortar and grout in the layout and construction of projects. They will use the appropriate blocks, stone, and bricks in layout and projects, and will identify employability and leadership skills required in the bricklaying industry.

Prerequisites: MSRY 1010

Co-requisites: MSRY 1120 MSRY 1120

MSRY 1020 CR-3

Hand Tools

Students will demonstrate competent use and handling of hand tools in the brick masonry trade, including, levels, jointers, slickers, hand saws, mash hammers and chisels, pointing trowels, line pins and masonry line. They will also demonstrate safe procedures in the handling of hand tools.

Prerequisites: MSRY 1015

MSRY 1025 CR-3

Power Tools and Related Equipment

Students will demonstrate use and handling of power tools including masonry saws, cement mixers, power handsaws, grinders, power jointers, vibrators, compactors, and palette jacks. They will also demonstrate safe and effective procedures in the erection and dismantling of scaffolding.

Prerequisites: MSRY 1020

MSRY 1030 CR-1

Basic Blueprint Reading, Estimating and Layout

Students will demonstrate the ability to interpret building codes and symbols used in the brick masonry trade. They will also demonstrate their understanding of terminology and construction drawings to a level where they can proceed with the layout to complete a project.

MATH FOR TRADES (MATT)

MATT 1002 CR-.5

Math for Building Trades 1

First-year apprenticeship students in masonry and carpentry will learn the basic math needed for those trades.

MATT 1004 CR-.5

Math for Building Trades 2

Second-year apprenticeship students in masonry and carpentry will learn the measurement skills and related formulas needed for those trades.

Prerequisites: MATT 1002

MATT 1006 CR-5**Math for Building Trades 3**

Third-year apprenticeship students in masonry and carpentry will learn the estimating skills and related formulas needed for those trades.

Prerequisites: MATT 1004

MATT 1008 CR-5**Math for Building Trades 4**

Fourth-year apprenticeship students in masonry and carpentry will review all the math skills needed for those trades. They will also learn the math and science underlying safe use of job-related rigging and lifting machines.

Prerequisites: MATT 1006

MATT 1010 CR-1.5**Math for Entry Level Building Trades**

Entry-level students in masonry and carpentry will learn the basic math needed for those trades. They will also learn the math and science underlying safe use of job-related rigging and lifting machines.

Prerequisites: ABEM 0008 or MATP 1008 or Essentials of Math 11 (C) or assessment

MATT 1015 CR-3 (formerly MFAB 1106)**Mathematics/Science for Manufacturing and Mechanical Trades 1**

Students will learn to use whole numbers, decimals, fractions, proportions, percentages, equations, formulas, measurement, geometry, Pythagoras' theorem and right angle trigonometry in the context of manufacturing and mechanical trades. They will apply electrical, metallurgical, and other scientific principles and will be prepared to the National Occupational Analysis standard for these trades.

Prerequisites: ABEM 0008 or MATP 1008 or Vocational Placement Test

MATT 1025 CR-3 (formerly MFAB 1205)**Mathematics/Science for Manufacturing and Mechanical Trades II**

Students will apply the principles of geometric constructions, Pythagoras' theorem, and trigonometry to the manufacturing and mechanical trades, and will use these principles to solve fabrication layout problems and to estimate manufacturing costs using industry-standard methods. They will apply electrical, metallurgical, and other scientific principles. Students will be prepared to the National Occupational Analysis standard for these trades.

Prerequisites: MATT 1015 or MFAB 1105 or MFAB 1106 or permission of the instructor

MATT 1081 CR-1.5**Basic Mathematics for Welders**

Welding students in level C will learn the basic math skills needed in this trade. They will learn to apply these skills in various situations, including calculations for safe rigging and lifting.

Prerequisites: ABEM 0008 or MATP 1008 or MATQ 1091 or Essentials of Math 11 (C) or Apprentice & Workplace Mathematics 11 (C) or assessment
Not Transferable

MATHEMATICS (MATH)**MATH 1012 CR-3****Precalculus Algebra**

Students will develop the computational skills and conceptual understanding of algebra, functions, and graphs necessary to proceed to more advanced mathematics thinking. They will study equations, inequalities, graphs, functions, right angle trigonometry, and applications to problem solving. Note: Students may not use this course as science or math credit towards BSc degree.

Prerequisites: MATQ 1093; or MATQ 1099, or Pre-calculus 12 with a C-; or Principles of Mathematics 12 with a C-, or Pre-calculus 11 with a C+, or Principles of Mathematics 11 with a C+ Or Mathematics Assessment Test
Transferable (refer to transfer guide)

MATH 1112 CR-3**Pre-Calculus**

Students will develop the conceptual understanding and computation skills that will provide a solid foundation for the study of calculus. They will study functions, their graphs, and their applications to problem solving. In particular they will study, polynomial, rational, exponential, logarithmic, and trigonometric functions. They will develop their ability to use and understand the concepts and language of mathematics.

Prerequisites: MATH 1012; or MATH 1117 with a B; or MATQ 1093 with a B; or MATQ 1099 with an APre-calculus 12 with a C; or Principles of Mathematics 12 with a C; orPre-calculus 11 with an A; or Principles of Mathematics 11 with an A; or Mathematics Assessment Test
Transferable (refer to transfer guide)

MATH 1115 CR-3**Statistics I**

Students will summarize and display data and perform inferences about proportions, means and standard deviations for one and two populations. They will also perform regression analysis, and determine probabilities.

Prerequisites: MATQ 1093 or MATH 1117 or (ABEM 0011 or MATP 1011 or MATQ 1099 with a B-); or Pre-calculus 12 with a C; or Principles of Mathematics 12 with a C; or Pre-calculus 11 with a B; or Principles of Mathematics 11 with a B; or Pre-calculus 11 with a C plus Mathematics Placement Test; or Principles of Mathematics 11 with a C plus Mathematics Placement Test; or Pre-calculus 12 with a P plus Mathematics Placement Test; or Principles of Mathematics 12 with a P plus Mathematics Placement Test; or Foundations of Math 12 with a C; or Foundations of Math 11 with a B; or Applications of Mathematics 12 with a C plus Mathematics Placement Test; or Applications of Mathematics 11 with a C plus Mathematics Placement Test
Transferable (refer to transfer guide)

MATH 1116 CR-3**Mathematical Explorations**

Students will study the structure and development of Mathematics from the point of view of the non-mathematician. They will study historical material on the development of classical mathematical ideas as well as the evolution and structure of more recent mathematics, gaining an appreciation of historical and contemporary mathematical thinking.

This is an exploratory course in mathematics for students who have minimal mathematical background and whose major interests lie outside of the sciences. This course can be used to partially fulfill the quantitative requirement of the BA degree. It may not be used as a prerequisite for further Mathematics courses.

Prerequisites: MATQ 1093 or MATH 1117 or (ABEM 0011 or MATP 1011 or MATQ 1099 with a B-) or Principles of Mathematics 11 with a C or Applications of Mathematics 11 with a C; or Pre-calculus 11 with a C or Foundations of Math 11 with a C Transferable (refer to transfer guide)

MATH 1117 CR-3**Environmental Mathematics**

Students will study algebraic concepts and methods, making use of them in general and environmental problem solving. They will study basic geometry and trigonometry, as well as functions (polynomial, rational, exponential, and logarithmic).

Prerequisites: MATQ 1092 or ABEM 0010 or MATP 1010; or Pre-calculus 12 with a P; or Principles of Mathematics 12 with a P; or Pre-calculus 11 with a C; or Principles of Mathematics 11 with a C; or Applications of Mathematics 12 with a C; or Foundations of Math 11 with a C+; or Mathematics Placement Test Transferable (refer to transfer guide)

MATH 1120 CR-3**Differential Calculus**

Students will learn to differentiate algebraic and elementary transcendental functions and to apply these skills to graphing, maxima and minima, related rates, and rectilinear motion. They will be introduced to parametric curves and their differential calculus

Prerequisites: MATH 1112 or Pre-calculus 12 with a B; or Principles of Mathematics 12 with a B; or Pre-calculus 12 with a C plus Mathematics Placement Test; or Principles of Mathematics 12 with a C plus Mathematics Placement Test Transferable (refer to transfer guide)

MATH 1130 CR-3**Calculus for Life Sciences I**

Students will study differential calculus and its applications to biological sciences. In particular, they will study limits and differentiation of algebraic and elementary transcendental functions, with applications to graphing and optimization.

Prerequisites: MATH 1112 or Pre-calculus 12 with a C+; or Principles of Mathematics 12 with a C+; or Pre-calculus 12 with a C plus Mathematics Placement Test; or Principles of Mathematics 12 with a C plus Mathematics Placement Test Transferable (refer to transfer guide)

MATH 1135 CR-3**Problems and Concepts**

Students will develop skills in solving mathematical problems. They will study propositional and quantifier logic and apply this knowledge to solving problems and to elementary set theory, including relations and functions.

Prerequisites: Pre-calculus 11 with a B; or Principles of Mathematics 11 with a B; or Pre-calculus 12 with a C; or Principles of Mathematics 12 with a C

Co-requisites: MATH 1112 (not required if you have Pre-calculus 12 with a C+ or Principles of Mathematics 12 with a C+) MATH 1112 (not required if you have Pre-calculus 12 with a C+ or Principles of Mathematics 12 with a C+) Transferable (refer to transfer guide)

MATH 1140 CR-3**Calculus I (Business Applications)**

Students will study the differentiation of algebraic and elementary transcendental functions and apply these skills to graphing, finding maxima and minima and solving problems in business, economics and social sciences. Students will also study first and second order partial derivatives

Prerequisites: MATH 1112 or Pre-calculus 12 with a C+; or Principles of Mathematics 12 with a C+; or Pre-calculus 12 with a C plus Mathematics Placement Test; or Principles of Mathematics 12 with a C plus Placement Test Transferable (refer to transfer guide)

MATH 1152 CR-3**Matrix Algebra for Engineers**

Students will solve systems of linear equations, and study the algebra of matrices, determinants, invertibility, eigenvalues and eigenvectors, diagonalizability and systems of linear Ordinary Differential Equations (ODE's). They will study the geometry of Euclidean space, dot and cross products, the arithmetic of complex numbers, exponentials and logarithms of complex numbers, and the complex plane. Students will use a Computer Algebra System to solve problems in matrix algebra.

Prerequisites: (MATH 1120 or MATH 1130 with a C+) or (MATH 1140 with a B-) or MATH 1230 or MATH 1240 Transferable (refer to transfer guide)

MATH 1190 CR-4**Mathematics for Elementary School Teachers**

Students will study the theory and applications of arithmetic, geometry and data analysis (statistics). This course is designed for students planning a career as an elementary school teacher.

Prerequisites: Students who satisfy either (1) or (2) below are eligible to take MATH 1190. (1) MATH 1112 or Pre-calculus 12 with a C+; or Principles of Mathematics 12 with a C+ ; or Pre-calculus 12 with a C plus Mathematics Placement Test; or Principles of Mathematics 12 with a C plus Mathematics Placement Test OR (2) 18 Kwantlen Polytechnic University credits numbered 1100 or higher (or equivalent), or any university degree that is recognized by Kwantlen Polytechnic University, plus [MATQ 1093 or MATH 1115 or 1116 or 1117; or (MATP 1011 or ABEM 0011 or MATQ 1099 with a B-); or Pre-calculus 12 with a C; or Principles of Mathematics 12 with a C; or Pre-calculus 12 with a P plus Mathematics Placement Test; or Principles of Mathematics 12 with a P plus Mathematics Placement Test; or Pre-calculus 11 with a B; or Principles of Mathematics 11 with a B; or Pre-calculus 11 with a C plus Mathematics Placement Test; or Principles of Mathematics 11 with a C plus Mathematics Placement Test; or Foundations of Math 12 with a C; or Foundations of Math 11 with a B]
Transferable (refer to transfer guide)

MATH 1220 CR-3**Integral Calculus**

Students will learn to integrate algebraic and elementary transcendental functions and to apply these skills to appropriate problems. In addition, they will learn the fundamental theorem of calculus, the integral calculus of parametric curves, Taylor polynomials, sequences and series and simple differential equations.

Prerequisites: MATH 1120 or (MATH 1130 with C +) or (MATH 1140 with a B-)
Transferable (refer to transfer guide)

MATH 1230 CR-3**Calculus for Life Sciences II**

Students will study integral calculus and its applications to biological sciences. In particular, they will study the techniques of integration, including integration by parts and partial fractions; differential equations, including systems of linear differential equations; and mathematical models in the biological sciences.

Prerequisites: (MATH 1140 with a C+) or MATH 1120 or MATH 1130
Transferable (refer to transfer guide)

MATH 1240 CR-3**Calculus II (Business Applications)**

Students will study the integration of algebraic and elementary transcendental functions and apply these skills to solving problems in business, economics and social sciences. They will also study multivariate differential calculus, differential equations, matrix algebra and linear programming.

Prerequisites: MATH 1120 or MATH 1130 or MATH 1140
Transferable (refer to transfer guide)

MATH 2232 CR-3**Linear Algebra**

Students will study systems of linear equations, matrices, determinants, eigenvalues and eigenvectors, dot products, the Gram-Schmidt process, vector and scalar projections, lines and planes in Euclidean space. Students will also study vector spaces, including general vector spaces and subspaces, linear independence, spanning sets, bases, and linear transformations. Students will write simple proofs.

Prerequisites: MATH 1120 or (MATH 1130 with a C+) or (MATH 1140 with a B-) or MATH 1230 or MATH 1240
Transferable (refer to transfer guide)

MATH 2315 CR-3**Probability and Statistics**

Students will study introductory probability and statistics using a background of calculus. Topics include concepts of randomness, probability, probability distributions for discrete and continuous random variables, descriptive statistics, multivariate distributions, laws of expectation, functions of random variables, statistical inference, and hypothesis testing. Distributions studied will include binomial, normal, t, chi-square, geometric, hypergeometry, exponential and Poisson distributions.

Prerequisites: MATH 1220 or MATH 1230 or MATH 1240
Transferable (refer to transfer guide)

MATH 2321 CR-3**Multivariate Calculus (Calculus III)**

Students will study the calculus of three dimensions. They will study vectors, lines, planes, cylinders and surfaces; vector functions, space curves and motion in space; and differential and integral calculus of functions of several variables. Students will study optimization, including Lagrange Multipliers. They will study rectangular, polar, cylindrical, spherical and general coordinate systems. Students will study applied problems and use of a computer algebra system.

Prerequisites: MATH 1220 (or MATH 1230 with a C+) (or MATH 1240 with a B-)
Transferable (refer to transfer guide)

MATH 2331 CR-3**Introduction to Analysis**

Students will study the theory that underlies calculus. In particular, they will study real numbers, limits of sequences, limits of functions, continuity, and will learn how to construct proofs involving these concepts.

Prerequisites: MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)
Transferable (refer to transfer guide)

MATH 2335 CR-3**Statistics for Life Sciences**

Students will learn statistical techniques and their application to life sciences. They will study descriptive statistics, elementary probability, probability distributions, in particular, the binomial, normal, t and chi-square distributions, confidence intervals and hypothesis testing for population means, and proportions, as well as for differences in population means and proportions. Students will also study linear regression, and the chi-square goodness of fit test.

Prerequisites: MATH 1130 or MATH 1120 or MATH 1140
Transferable (refer to transfer guide)

MATH 2341 CR-4**Introduction to Statistics for Business**

Students will learn statistical techniques and their application to business and economics. They will study descriptive statistics, elementary probability, random variables, sampling distributions, linear regression, correlation, estimation and hypothesis testing. They will also learn how to apply statistical software to descriptive and inferential statistics. Distributions studied will include binomial, normal, t- and chi-square distributions.

Prerequisites: 9 credits numbered 1100 or higher and (MATH 1112 or Precalculus 12 or Foundations of Mathematics 12)
Transferable (refer to transfer guide)

MATH 2410 CR-3**Discrete Mathematics**

Students will study the basic techniques of discrete mathematics, including methods of logic, formal reasoning, induction, recursion, counting, functions and relations, modular arithmetic, and structures such as graphs and trees.

Prerequisites: MATH 1120 or MATH 1130 or MATH 1140 or CPSC 1103
Transferable (refer to transfer guide)

MATH 2721 CR-3**Complex Numbers and Linear Algebra**

Students will use row reduction to solve systems of linear equations. They will study the algorithms for matrix multiplication, inversion, transposition, determinants, eigenvalues and eigenvectors, and diagonalization, and apply these skills to practical problems. They will study the geometry of Euclidean space. They will study the arithmetic, exponentials and logarithms of complex numbers, and use them to solve a variety of applied problems in physics and engineering. Students will use a Computer Algebra System to solve problems in matrix algebra.

Prerequisites: MATH 1220 or MATH 1230
Transferable (refer to transfer guide)

MATH 2821 CR-3**Multivariate and Vector Calculus**

Students will study the principles of multivariate and vector calculus. They will study surfaces, partial derivatives, gradients, and multiple integrals in polar, cylindrical, and spherical coordinate systems. Students will also study derivatives of vector-valued functions, differential operators, line integrals and Green's theorem, surface integrals including the divergence and Stokes' theorems, conservative fields, and potentials, with an emphasis on applications.

Prerequisites: (MATH 1220 or MATH 1230) and (MATH 2721 or MATH 1152)
Transferable (refer to transfer guide)

MATH 3120 CR-3**Introduction to Applied Mathematics**

Students will learn a wide range of mathematical techniques and methods useful in applied mathematics. They will study Fourier series, Fourier integrals, Laplace and Fourier transforms; the gamma, beta, and error functions; Bessel functions, Dirac delta function, Legendre, Hermite, and Laguerre polynomials. They will also study an introduction to higher-order partial differential equations and their solutions by integral transforms and Green's Functions.

Prerequisites: MATH 2321 and (MATH 2232 or MATH 1152)
Transferable (refer to transfer guide)

MATH 3130 CR-3**Introduction to the Mathematics Classroom**

Students will study and implement theories related to the teaching of mathematics. They will review and investigate current and past mathematics teaching practices. They will complete a project that integrates theory with practice and produce a portfolio of written work. Students will be required to apply theory through activities such as tutoring mathematics, assisting in a classroom, or developing curriculum materials.

Prerequisites: MATH 2232, MATH 2321, MATH 2331, MATH 2410, and EDUC 2220
Transferable (refer to transfer guide)

MATH 3140 CR-3**Mathematical Computing**

Students will study the use of mathematical software such as MATLAB and Maple, and spreadsheets such as Excel to solve problems from mathematics and the applications of mathematics. They will be introduced to mathematical word-processing with LaTeX. Students are required to have a portable computer able to run software as designated by the instructor.

Prerequisites: MATH 2321 and MATH 2315 and (MATH 2232 or MATH 1152)
Transferable (refer to transfer guide)

MATH 3150 CR-3**The Structure of Mathematics**

Students will study the underlying structure of mathematics, including mathematical symbolism, introduction to set theory and introduction to logic. They will develop an understanding of methods of proof and an appreciation for the structure of mathematics.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232
Transferable (refer to transfer guide)

MATH 3160 CR-3**Group Theory**

Students will study the fundamental concepts and results of group theory. They will study groups and subgroups, Lagrange's theorem, homomorphisms, normal subgroups, factor groups, Cauchy's theorem and direct products.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232
Transferable (refer to transfer guide)

MATH 3170 CR-3**Complex Variables**

Students will study complex numbers, functions of complex numbers, analytic functions, Cauchy-Riemann equations, elementary functions, contour integration, Cauchy's integral theorem and formula, series

representations of analytic functions, poles and residues, with applications to physics and engineering.

Prerequisites: (MATH 2232 or MATH 1152 or MATH 2721) and (MATH 2321 or MATH 2821)
Transferable (refer to transfer guide)

MATH 3250 CR-3**Geometry**

Students will study Euclidean and other geometries, and construct geometrical proofs and objects. They will apply geometric concepts and reasoning to practical problems.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232

Transferable (refer to transfer guide)

MATH 3315 CR-3**Inferential Statistics**

Students will study the theory of statistical inference. They will study Analysis of Variance (ANOVA), multivariable distributions, distributions of functions of random variables, limiting distributions, inference, maximum likelihood, Bayes' estimation, Fisher information, and likelihood ratio tests.

Prerequisites: MATH 2315 and MATH 2321

Transferable (refer to transfer guide)

MATH 3322 CR-3 (formerly MATH 2322)**Vector Calculus (Calculus IV)**

Students will study the calculus of vector valued functions and vector fields. They will study derivatives of vector valued functions, the chain rule, Jacobians and invertibility, differential operators, line integrals and Green's theorem, surface integrals including divergence and Stokes' theorems, path independence and conservative fields and potentials.

Prerequisites: (MATH 2232 or MATH 1152) and MATH 2321

Transferable (refer to transfer guide)

MATH 3421 CR-3 (formerly MATH 2421)**Ordinary Differential Equations**

Students will study solving first order differential equations, Laplace transforms, systems of linear differential equations, plane autonomous systems and stability, and applications of differential equations. Students will also use a computer algebra system and graphical methods in studying differential equations.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and (MATH 2232 or 1152)

Transferable (refer to transfer guide)

MATH 3431 CR-3**Partial Differential Equations**

Students will study the wave equation, the heat equation, Laplace's equation, and other classical equations of mathematical physics. They will study Fourier series and Fourier transforms, Sturm-Liouville Theory, Laplace transforms and partial differential equations in polar coordinates.

Prerequisites: MATH 3421

Transferable (refer to transfer guide)

MATH 3450 CR-3**History of Mathematics**

Students will study the aspects of the history of mathematics from its earliest beginnings in solving concrete problems through the development of abstraction and rigour in the nineteenth and early twentieth centuries. They will examine and analyze both the growth of ideas and the context in which they developed, with emphasis on the mathematics taught in secondary school and the first two years of university study.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232

Transferable (refer to transfer guide)

MATH 4130 CR-3**Theory of Mathematics Education**

Students will explore theories and trends in mathematics education. They will survey significant historical, philosophical, psychological and societal factors influencing the development of mathematics education as a field of inquiry, and will critically examine and discuss current theories and research in mathematics instruction. They will investigate problem solving, reasoning and communication in mathematics.

Prerequisites: MATH 2232, MATH 2321, MATH 2331, MATH 2410, and EDUC 2220

Transferable (refer to transfer guide)

MATH 4150 CR-3**Number Theory**

Students will study the following topics: divisibility, properties of types of integer numbers, primes, congruences, Diophantine equations, primitive roots, and quadratic residues.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or MATH 1240 with a B-]] and MATH 2232

Transferable (refer to transfer guide)

MATH 4190 CR-3**Introduction to Point-Set Topology**

Students will study the fundamental concepts and results of point-set (general) topology. They will study sets, relations and functions, order, cardinality, Axiom of Choice, topological spaces, bases and subbases, continuity and homeomorphisms, metric spaces, countability and compactness.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232 and MATH 2331

Transferable (refer to transfer guide)

MATH 4210 CR-3**Biomathematics**

Students will study mathematical modelling and data analysis for biological systems. They will focus on developing and analysing dynamic models of biological systems and processes. They will study the mathematics of population dynamics, models of metabolic processes, genomics and epidemiology.

Prerequisites: MATH 3421 and MATH 2315

Transferable (refer to transfer guide)

MATH 4220 CR-3**Numerical Methods**

Students will study the theory and practical application of numerical methods for approximating solutions of linear and nonlinear problems. They will study solutions to nonlinear equations, interpolation and splines, numerical differentiation and integration, solution of initial and boundary value problems, and error sources and analysis. Students are required to have a portable computer able to run software as designated by the instructor.

Prerequisites: MATH 2321 and (MATH 2232 or MATH 1152 or MATH 2721) and (CPSC 1103 or MATH 3140)

Transferable (refer to transfer guide)

MATH 4240 CR-3

Mathematical Modelling

Students will study the formation, analysis, and interpretation of mathematical models drawn from the physical, biological, economic, and social sciences. They will study continuous and discrete, deterministic and stochastic models. Students will use techniques such as time series analysis, differential and difference equations, matrix analysis, optimization, simple stochastic processes, and numerical methods. Note: Students are required to have a portable computer able to run software as designated by the instructor.

Prerequisites: MATH 2321 and MATH 2315 and (MATH 2232 or MATH 1152)

Transferable (refer to transfer guide)

MATH 4250 CR-3

Special Topics in Mathematics

Students will study a particular advanced topic in mathematics, depending upon student interest and faculty availability.

Note: Students may take this course multiple times for further credit on different topics.

Prerequisites: [MATH 1220 or (MATH 1230 with a C+) or (MATH 1240 with a B-)] and MATH 2232

Transferable (refer to transfer guide)

MATH 4350 CR-3

Senior Project

Students will complete a substantial research project under the supervision of an instructor. They will identify relevant sources of information, in the form of a literature search and review, and submit a final paper investigating a research question.

Note: The student's topic must be approved by the Mathematics Department.

Prerequisites: 9 MATH credits at the 3000-level or higher

Transferable (refer to transfer guide)

MATHEMATICS QUALIFYING (MATQ)

MATQ 0001 CR-5 (formerly ABEM 0001)

Adult Literacy Fundamental Mathematics Level 1

Students will learn beginning math concepts including addition and subtraction without carrying or borrowing, rounding whole numbers, ordering whole numbers to 100, counting by 2's, 5's, 10's up to 100, estimating time, applying addition and subtraction in real life situations, identifying geometric figures, recognizing time concepts (i.e., a.m./p.m., hours, min, sec.).

Prerequisites: ACP Math Assessment

Not Transferable

MATQ 0002 CR-5 (formerly ABEM 0002)

Adult Literacy Fundamental Mathematics Level 2

Students will learn addition and subtraction with carrying and borrowing, round whole numbers, order numbers using greater than, less than, and equal. Students will learn multiplication of a single digit by multiple digits, making change, telling time, adding time, and solving problems using perimeter of squares and rectangles.

Prerequisites: MATQ 0001 or ABEM 0001 or ACP Math Assessment

Not Transferable

MATQ 0003 CR-5 (formerly ABEM 0003)

Adult Literacy Fundamental Mathematics Level 3

Students will learn the divisibility rules for 2, 3, 5, and 10. Students will learn to multiply and divide larger numbers. Students will learn to add and subtract time and learn to make change. Students will find areas and perimeters of squares and rectangles.

Prerequisites: MATQ 0002 or ABEM 0002 or ACP Math Assessment

Not Transferable

MATQ 0004 CR-5 (formerly ABEM 0004)

Adult Literacy Fundamental Mathematics Level 4

Students will learn to add, subtract, multiply, and divide decimals. Students will apply decimal calculations to various problems including area, perimeter, metric measurement, record keeping, and unit pricing.

Prerequisites: MATQ 0003 or ABEM 0003 or ACP Math Assessment

Not Transferable

MATQ 0005 CR-5 (formerly ABEM 0005)

Adult Literacy Fundamental Mathematics Level 5

Students will learn to add, subtract, multiply, and divide fractions and mixed numbers. Students will also convert between fractions and decimals.

Prerequisites: MATQ 0004 or ABEM 0004 or ACP Math Assessment

Not Transferable

MATQ 0006 CR-5 (formerly ABEM 0006)

Adult Literacy Fundamental Mathematics Level 6

Students will learn ratio, rate, proportion, percentage, and descriptive statistics.

Prerequisites: MATQ 0005 or ABEM 0005 or ACP Math Assessment

Not Transferable

MATQ 0010 CR-3 (formerly ABEM 0010)

Intermediate Mathematics (Math 10)

Students will briefly review fundamental arithmetic and descriptive statistics. They will focus on a study of algebra, word problems, graphs, measurement, geometry and right-triangle trigonometry, with an introduction to logic and sets. Students will upgrade their mathematics skills and understanding in preparation for an applied or academic program.

Prerequisites: MATQ 0008 or ABEM 0008 or MATQ 0009 or ABEM 0009 or MATP 1009 or MATQ 1091 or ACP Assessment or Mathematics Placement Test

Not Transferable

MATQ 0011 CR-3 (formerly ABEM 0011)

Advanced Mathematics (Math 11)

Students will learn algebra and trigonometry, with an emphasis on problem-solving. They will be introduced to functions, systems of equations, quadratic and exponential functions, inequalities, radical expressions, complex numbers, and the sine and cosine laws.

Prerequisites: MATQ 0010 or ABEM 0010 or MATP 1010 or MATQ 1092 or ACP Assessment or Mathematics Placement Test. Transferable (refer to transfer guide)

MATQ 0027 CR-0 (formerly ABEM 0027)**Directed Study: Math**

Students will work on a variety of units taken from other ABE math courses at the Intermediate or Advanced level. The student and instructor will draw up a list of units appropriate to the student's needs.

Prerequisites: ACP Assessment

Not Transferable

MATQ 1071 CR-5 (formerly MATQ 0001)**Adult Literacy Fundamental Mathematics Level 1**

Students will learn beginning math concepts including addition and subtraction without carrying or borrowing, rounding whole numbers, ordering whole numbers to 100, counting by 2's, 5's, 10's up to 100, estimating time, applying addition and subtraction in real life situations, identifying geometric figures, recognizing time concepts (i.e., a.m./p.m., hours, min, sec.).

Prerequisites: ACP Math Assessment

MATQ 1072 CR-5 (formerly MATQ 0002)**Adult Literacy Fundamental Mathematics Level 2**

Students will learn addition and subtraction with carrying and borrowing, round whole numbers, order numbers using greater than, less than, and equal. Students will learn multiplication of a single digit by multiple digits, making change, telling time, adding time, and solving problems using perimeter of squares and rectangles.

Prerequisites: MATQ 1071 or MATQ 0001 or ABEM 0001 or ACP Math Assessment

MATQ 1073 CR-5 (formerly MATQ 0003)**Adult Literacy Fundamental Mathematics Level 3**

Students will learn the divisibility rules for 2, 3, 5, and 10. Students will learn to multiply and divide larger numbers. Students will learn to add and subtract time and learn to make change. Students will find areas and perimeters of squares and rectangles.

Prerequisites: MATQ 1072 or MATQ 0002 or ABEM 0002 or ACP Math Assessment

MATQ 1074 CR-5 (formerly MATQ 0004)**Adult Literacy Fundamental Mathematics Level 4**

Students will learn to add, subtract, multiply, and divide decimals. Students will apply decimal calculations to various problems including area, perimeter, metric measurement, record keeping, and unit pricing.

Prerequisites: MATQ 1073 or MATQ 0003 or ABEM 0003 or ACP Math Assessment

MATQ 1075 CR-5 (formerly MATQ 0005)**Adult Literacy Fundamental Mathematics Level 5**

Students will learn to add, subtract, multiply, and divide fractions and mixed numbers. Students will also convert between fractions and decimals.

Prerequisites: MATQ 1074 or MATQ 0004 or ABEM 0004 or ACP Math Assessment

MATQ 1076 CR-5 (formerly MATQ 0006)**Adult Literacy Fundamental Mathematics Level 6**

Students will learn ratio, rate, proportion, percentage, and descriptive statistics.

Prerequisites: MATQ 1075 or MATQ 0005 or ABEM 0005 or ACP Math Assessment

MATQ 1079 CR-3 (formerly MATQ 1091)**Basic Mathematics**

Students will briefly review fundamental arithmetic. They will then study the following topics in beginning algebra: introductory statistics, signed numbers, evaluation of expressions, solution of equations and inequalities, and word problems with one variable. Students will also learn basic geometry, introductory trigonometry, and measurement with an emphasis on metric conversion.

MATQ 1089 CR-3**Intermediate Algebraic Math**

Students will study operations with rational numbers, ratio, proportion, percent, powers, roots, scientific notation, measurement, geometry, and trigonometry. They will also perform operations on, factor, and evaluate algebraic expressions as well as solve and graph equations.

Prerequisites: Apprenticeship and Workplace Mathematics 10 (B), or Foundations and Pre-Calculus Math 10 (C), or Apprenticeship and Workplace Mathematics 11 (C+), or Foundations of Math 11 (C-), or Pre-Calculus Math 11 (C-), or MATQ 1076 (MASTERY), or MATQ 1079 (C+), or MATQ 1094, or ACP Assessment with a result of "MATQ 1089", or Mathematics Placement Test with a result of "MATQ 1089"

MATQ 1091 CR-3**Basic Mathematics**

Students will briefly review fundamental arithmetic. They will then study the following topics in beginning algebra: introductory statistics, signed numbers, evaluation of expressions, solution of equations and inequalities, and word problems with one variable. They will also learn basic geometry, introductory trigonometry, and measurement with an emphasis on metric conversion.

MATQ 1092 CR-3 (formerly MATP 1010)**Introductory Algebra**

Students will briefly review fundamental arithmetic and descriptive statistics. They will focus on a study of algebra, word problems, graphs, measurement, geometry and right-triangle trigonometry, with an introduction to logic and sets. Students will upgrade their mathematics skills and understanding in preparation for an applied or academic program.

Prerequisites: Principles of Math 10 (C) or Pre-calculus Math 10 (C) or Foundations of Math 10 (C) or Applications or Principles of Mathematics 11 (P) or ABEM 0009 or MATP 1009 or MATQ 1091 or ABEM 0008 or MATQ 0006 or ACP Assessment or Mathematics Placement Test.

Not Transferable

MATQ 1093 CR-3**Intermediate Algebra**

Students will study algebraic concepts and methods, making use of them in problem solving. They will study polynomial, exponential, logarithm and trigonometric functions.

Prerequisites: MATQ 1092 or ABEM 0010 or Pre-calculus 12 with a P; or Principles of Mathematics 12 with a P; or Pre-calculus 11 with a C; or Principles of Mathematics 11 with a C; or Applications of Mathematics 12 with a C; or Foundations of Math 11 with a C+; or Mathematics Placement Test

Not Transferable

MATQ 1094 CR-3

Foundations of Mathematics

Students will study financial math, measurement, algebra, geometry, probability, statistics, logical reasoning, and trigonometry.

Note: This course can be taken in either a classroom related instruction environment (fixed intake) or an individually-paced learning environment (continuous intake).

Prerequisites: Apprenticeship and Workplace Mathematics 10 (A), or Foundations of Math and Pre-calculus 10 (B), Apprenticeship and Workplace Mathematics 11 (B+), Foundations of Math 11 (C), or Pre-Calculus Math 11 (C-), or MATQ 1079 (A), or MATQ 1091 (A), or MATQ 1089 (C), or an ACP Math assessment result of "MATQ 1094", or Math Placement Test result of "MATQ 1094" Not Transferable

MATQ 1099 CR-3 (formerly MATP 1011)

Qualifying Studies Math

Students will review real numbers, operations with rational numbers, polynomials, solving and graphing linear equations and inequalities. They will also study quadratic, radical and rational expressions, equations, and functions as well as systems of linear equations and inequalities. Note: Students preparing for programs in the sciences, engineering, and other related fields may use this as a qualifying course.

Prerequisites: Foundations of Math & Pre-calculus 10 (B+), or Foundations of Math 11 (C+), or Pre-Calculus Math 11 (C), or MATQ 1089 (C+), or MATQ 1094, or ACP Assessment with a result of "MATQ 1099", or Mathematics Placement Test with a result of "MATQ 1099". Not Transferable

METAL FABRICATION (MFAB)

MFAB 1100 CR-2.5

Safe Working Procedures

Students will use personal protective equipment, adhere to applicable safety regulations and use fire suppression equipment. They will employ safe lifting techniques, use cranes, lift trucks and material handling equipment, as well as tie knots, bends, and hitches in ropes to be used in the rigging of equipment. Students will use safety procedures to erect ladders and scaffolding and investigate the common causes of accidents in metal fabrication shops and job sites and address special precautions to be taken in adverse weather conditions.

MFAB 1110 CR-2

Trade-specific Tools

Students will select and use appropriate tools for various tasks with an emphasis on safety. They will complete various assignments and projects using hand tools, bench and hand grinders, portable power tools, and drill presses specific to the metal fabrication industry.

Prerequisites: MFAB 1100

MFAB 1115 CR-2

Basic Stationary Power Equipment

Students will operate metal fabrication equipment including power shears, power brake press, power plate rolls, ironworker, pipe cutters, hole punches, and power metal saws. They will safely complete various basic projects using stationary shop equipment as they relate to the metal fabrication industry.

Prerequisites: MFAB 1100

MFAB 1120 CR-2

Oxy-fuel and Cutting Equipment

Students will assemble and disassemble cutting equipment and use safety procedures for oxy-fuel equipment. They will use oxy-fuel equipment to heat and cut various plate and structural shapes and pipe smoothly and accurately, with hand-held torches and machines.

Prerequisites: MFAB 1100

MFAB 1125 CR-2.5

Welding for Metal Fabrication

Students will learn the theory of oxy-fuel and arc welding. They will weld various gauges of metal with oxy-fuel, and arc weld various shapes of metal using Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW) practices. Students will learn the theory of air carbon arc cutting and plasma arc cutting, and will use air carbon arc cutting equipment to complete various practical projects. They will also use mechanical testing equipment for testing weld specimens.

Prerequisites: MFAB 1100

MFAB 1130 CR-2

Read Basic Drawings

Students will interpret basic blueprints, and sketch or draw objects in a variety of methods including orthographic projection, isometric projection, and secondary views of objects. They will interpret drafting and welding symbols, multi-view shop drawings as well as basic structural drawings. Students will lay out simple templates, identify common structural shapes, use basic layout terms, and develop patterns using parallel line development.

MFAB 1141 CR-4

Basic Metal Fabrication

Students will perform shop layout tasks, math calculations, and will prepare work orders. They will differentiate among common fitting considerations and procedures, safe work practices, standard allowances, required accuracy, and shop tolerances. Students will complete a variety of metal fabrication practical projects using different types of equipment, metals, and structural shapes. They will utilize common methods of metal preparation for fine finishing of projects and application of a variety of coatings and paints.

Prerequisites: MFAB 1100

MFAB 1150 CR-1.5

Metallurgy Theory

Students will describe the effects of heat and stress on metals and differentiate among the types, grades and properties of steels, as well as choose appropriate stress relieving techniques for metals. They will employ standard destructive testing inspection techniques.

MFAB 1206 CR-2 (formerly MFAB 1205)

Metal Fabrication Math

Students will study applied trades mathematics required by metal fabricators. They will solve problems involving dimension, area, weight and volume. Students will calculate ratio and proportion. They will apply geometric construction, trigonometry and Pythagoras theorem to practical applications.

MILLWRIGHT (INDUSTRIAL MECHANIC) (MWIN)

MWIN 1101 CR-2

Millwright Trade Safety

Students will address safe work practices and how they pertain to industrial work sites. They will examine the Occupational Health and Safety Regulation and Guidelines of WorkSafeBC applicable to the millwright trade. Students will practice the safe handling and storage methods for materials and equipment. They will participate in weekly toolbox safety orientation sessions. Students will interact with other students on a program safety committee to achieve an effective safe working environment.

MWIN 1105 CR-2

Print Reading and Sketching

Students will interpret engineering drawings and sketches and will make decisions pertaining to the manufacture, installation, positioning, and/or maintenance of machines or machine components. They will make standardized sketches of machine shop drawings, machine installation drawings, assembly drawings, and detailed engineering drawings. Students will communicate technical information as to the size, shape, construction, and installation details of parts, mechanisms or machines.

Co-requisites: MWIN 1101

MWIN 1111 CR-2

Measuring and Layout Tools

Students will use a variety of measuring and layout tools. They will use techniques appropriate and necessary to make non-precision and precision measurements in either imperial or metric standard. Students will develop strategies from a blueprint or sketch, then lay out the shapes or objects (parts) for manufacture. They will complete assignments that challenge them to make informed decisions on selection, use, concepts and procedures used with each tool or combination of tools taught. Students will develop an understanding of the need for consistency and accuracy based on equipment use. They will make sketches that use detailed methods of reporting.

Co-requisites: MWIN 1101

MWIN 1121 CR-1

Hand Tools and Bench Work

Students will develop basic hand skills that are the foundation for becoming a millwright (industrial mechanic) craftsperson. They will complete shop projects that involve bench work to practice hand skills using metal cutting tools, holding tools, striking tools, and assembling tools. Students will develop knowledge and skill in tool identification, tool selection, and tool maintenance.

Co-requisites: MWIN 1101

MWIN 1131 CR-1

Power Hand Tools

Students will develop and practise the skills required to safely use a large selection of power hand tools used in industrial applications. They will use tools such as electric power tools, pneumatic tools, honing tools, and chain saws. Students will plan and develop strategies to complete projects, and will create written maintenance reports on pieces of equipment or procedures for tool use. They will be certified in the use of selected powder actuated (explosive) tools.

Co-requisites: MWIN 1121

MWIN 1140 CR-4

Machine Tool Basics

Students will operate standard machine tools like metal-cutting saws, drilling machines, bench grinders and surface grinders. They will learn machining fundamentals and common methods of machining and shaping parts to meet given specifications. Students will practice common machining techniques to accurately produce shapes of various types on these machine tools. They will use reasoning and problem solving skills to interpret print information, plan machine tool operations and demonstrate safety awareness when using the machine tools.

Prerequisites: MWIN 1131

MWIN 1150 CR-2

Machine Tools

Students will operate machine tools like milling machines, lathes and a variety of other machine tools to produce industrial components/parts. They will develop machining knowledge and skills while accurately producing these various parts to given specifications. Students will use reasoning and problem solving skills to interpret print information, plan machine tool operations and demonstrate safety awareness when using the machine tools.

Prerequisites: MWIN 1140

MWIN 1160 CR-1 (formerly MWIN 1230)

Fasteners and Fittings

Students will identify and use a wide variety of fasteners to complete assignments that require them to differentiate between thread systems. They will use drawings, parts catalogues and service manuals to locate technical information on fasteners. Students will select the necessary and appropriate hand tools to make bolted and screwed connections and ensure that parts are assembled to specifications.

Prerequisites: MWIN 1140

MWIN 1170 CR-1.5

Metallurgy

Students will participate in lectures and will work in small discussion groups to examine and differentiate the properties of metals, interpret heat-treatment terms, and learn the requirements for different metal heat-treatments. They will learn the basics of different metal manufacturing processes. Students will experiment with identifying different properties of metals and non-metals, with conducting heat-treatments, and with destructive and non-destructive tests on metal samples in the shop.

Prerequisites: MWIN 1121

MWIN 1180 CR-2.5

Level 1 Welding for Millwrights

Students will use a variety of welding processes, welding equipment and other metal working tools appropriate and necessary for the task of joining metals. They will learn and practise procedures, terminology and appropriate safety precautions, as applied to oxy-acetylene use and shielded metal arc welding processes.

Prerequisites: MWIN 1103

MWIN 1205 CR-1

Lubrication

Students will study principles of friction, lubrication theory, and the function of lubricating products. They will dismantle, inspect, assemble, and test mechanical lubrication systems for maintenance then complete maintenance reports.

Prerequisites: MWIN 1120 and 1145 and 1146

MWIN 1235 CR-3.5

Hydraulics

Students will learn fluid power theory, terms, and basic hydraulic system design attending lectures and working in small groups. They will use computer simulation software and hydraulic training panels to construct and trouble-shoot circuits and examine how system components interact. In the shop students will inspect and reassemble selected hydraulic components.

Prerequisites: MWIN 1120 and 1145 and 1146

MWIN 1240 CR-3

Pneumatics

Students will learn gas theory and circuit design methodologies while attending lectures and working in small groups. They will use computer simulation software and pneumatic training panels to design, construct, and trouble-shoot circuits and examine how systems components interact. In the shop, students will report on distribution systems, conduct routine compressor inspections, and dismantle, inspect and reassemble pneumatic components.

Prerequisites: MWIN 1120 and 1145 and 1146

MUSIC (MUSI)

MUSI 1100 CR-3 (formerly MUSI 1010)

Rudiments of Music I

Students will study the basic written aspects of musical language, including notation in all clefs, intervals, major and minor scales, modes, circle of fifths, basic chord structures, cadences, transposition, rhythm, and basic musical terms. They will develop their skills through writing and through the analysis of representative historical examples.

Note: This course is open to non-music students.

Transferable (refer to transfer guide)

MUSI 1101 CR-2 (formerly MUSI 1011)

Aural Musicianship and Rhythm Training I

Students will begin the development of elementary musicianship skills, including sight singing, rhythm, conducting, and error detection. They will also begin to acquire the necessary skills for melodic, harmonic, and rhythmic dictation.

Note: This course is open to non-music students. (This course is formerly MUSI 1011).

Co-requisites: MUSI 1100 (Recommended) MUSI 1100 (Recommended)

Transferable (refer to transfer guide)

MUSI 1102 CR-2

Music and Computers

Students will focus on the acquisition of primary and secondary knowledge and skills in the interface between acoustic and electronic instruments and the MIDI-based technology of computer applications to music. They will also explore numerous and varied software and hardware configurations.

Transferable (refer to transfer guide)

MUSI 1103 CR-3 (formerly MUSI 1013)

Listening To Music I

Students will cultivate an understanding of Western music by developing basic aural skills in hearing rhythm, melody, harmony, color, texture, and form. They will do so primarily by listening to and studying representative examples of Western music from the Middle Ages to the time of Haydn and Mozart. To further develop their aural skills, they will attend specified concerts (with costs incurred) and will actively listen to and analyze the performances.

Note: This course is open to non-music students.

Transferable (refer to transfer guide)

MUSI 1105 CR-2

Major Instrument - Foundation I

Students will work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire. Students will also develop a foundation of technical, musical, and sight reading skills essential for advanced study.

Transferable (refer to transfer guide)

MUSI 1112 CR-2

Introduction to the Music Industry

Students will undertake a comprehensive overview of the music industry as well as familiarize themselves with the factors that contribute to success in the music business. They will also gain an understanding of the inter-relatedness of the many facets of the music industry, an essential element in professional growth, viability, and success.

Transferable (refer to transfer guide)

MUSI 1133 CR-2

Fretboard Studies I

Students will begin to develop a full knowledge of the harmonic and melodic capabilities of the guitar fretboard. They will study fretboard harmony (using four-note chord voicings), scales, and arpeggios, and will cultivate music reading skills in lower and intermediate positions.

Note: For students whose first instrument is guitar. This course is offered every second year.

Prerequisites: Audition and/or interview

Transferable (refer to transfer guide)

MUSI 1150 CR-3

The Language of Music I

Students will review basic musical concepts, including notation, intervals, scales, modes, chords, and rhythm. They will then study elementary acoustics, effective melodic design and begin writing basic four-part harmony. They will see illustrations of all concepts through the analysis of representative historical examples.

Prerequisites: Acceptance into the BMMA or Music Diploma and (MUSI 1200 with a "B" OR Kwantlen Music Placement into MUSI 1150/1151)

Co-requisites: Both MUSI 1151 and MUSI 1154 recommended Both MUSI 1151 and MUSI 1154 recommended

Transferable (refer to transfer guide)

MUSI 1151 CR-2

Aural Musicianship I

Students will work toward the development of essential musicianship skills, including sight singing, rhythm, conducting, error detection, as well as melodic, harmonic, and rhythmic dictation.

Prerequisites: Acceptance into the BMMA or Music Diploma and (MUSI 1200 with a "B" or Kwantlen Music Placement into MUSI 1150/51)

Co-requisites: MUSI 1150 and MUSI 1154 MUSI 1150 and MUSI 1154

Transferable (refer to transfer guide)

MUSI 1153 CR-3

History of Music I: Antiquity to 1600

Students will first survey the chronological development of Western art music from ancient times to the present, thus establishing a basic historical framework for further study. They will then examine in greater historical depth the development of Western music from Greek Antiquity to the end of the Renaissance, circa 1600. They will cultivate basic aural skills by actively listening to and analyzing representative works, and will begin to develop the skills the music historian uses in researching and writing about music.

Prerequisites: Acceptance into the BMMA or Music Diploma and (MUSI 1203 with a "B" or Kwantlen Music Placement into MUSI 1153)

Transferable (refer to transfer guide)

MUSI 1154 CR-1

Keyboard Skills I

Students will begin to develop basic keyboard skills. They will study keyboard harmony (chord progressions and harmonization) and will develop the ability to use simple accompaniment patterns and to harmonize simple melodies. Students will also develop skills in sight-reading and transposition.

Prerequisites: Acceptance into the BMMA or Music Diploma

Co-requisites: MUSI 1150 MUSI 1150

Transferable (refer to transfer guide)

MUSI 1155 CR-1

Secondary Instrument - I

Students will work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on fundamental technical and sight-reading requirements.

Note: Students will normally take no more than four (4) semesters of secondary instrument instruction.

Prerequisites: Students must successfully pass an audition to meet all requirements of MUSI 1154 , MUSI 1254 , MUSI 2354 , MUSI 2454 , or have permission of the department chair.

Transferable (refer to transfer guide)

MUSI 1156 CR-3

Major Instrument - Performance I

Students will work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on fundamental technical and sight-reading requirements.

Prerequisites: Successful audition

Transferable (refer to transfer guide)

MUSI 1157 CR-2

Major Instrument - Concentration I

Students will work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on fundamental technical and sight reading requirements.

Note: Diploma students will normally take no more than four (4) semesters of private lessons in courses ending in the numbers 56 or 57.

Transferable (refer to transfer guide)

MUSI 1158 CR-2

Piano Repertoire I: The Baroque Period

Students will undertake a chronological survey and analysis of important string-keyboard solo works from the Baroque era (ca. 1600-ca. 1750). They will study this repertoire from the point of view of the performer and teacher, assessing the music not only on its own terms, but also in the context of the development of string-keyboard instruments themselves, historic performance practices, and sociological trends. Students majoring in piano performance will be required to perform selected repertoire in class.

Prerequisites: Entrance to the Diploma in Music Program or permission of the instructor

Transferable (refer to transfer guide)

MUSI 1167 CR-2

Kwantlen String Orchestra I

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview.

This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: Ensemble placement according to instrumentation by audition and/or interview in consultation with performance faculty at the discretion of the conductor of each ensemble.

Transferable (refer to transfer guide)

MUSI 1168 CR-2

Kwantlen Wind Ensemble I

Students will rehearse and perform works of the Wind Literature repertoire from the 16th century to the present day. They will study and perform new works by Canadian composers each semester. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: Ensemble placement according to instrumentation by audition and/or interview in consultation with performance faculty at the discretion of the conductor of each ensemble.

Transferable (refer to transfer guide)

MUSI 1169 CR-2
Kwantlen Chorus I

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: Placement according to voice type by interview
Transferable (refer to transfer guide)

MUSI 1171 CR-2 (formerly MUSI 1166)
Guitar Chamber Ensemble I

Students will perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: Admission to the Diploma in Music program and/or permission of instructor
Transferable (refer to transfer guide)

MUSI 1172 CR-2 (formerly MUSI 1166)
Piano Chamber Ensemble I

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1173 CR-2 (formerly MUSI 1166)
Percussion Ensemble I

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of work music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1174 CR-2 (formerly MUSI 1166)
Woodwind Ensemble I

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1175 CR-2 (formerly MUSI 1166)
Brass Ensemble I

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1176 CR-2 (formerly MUSI 1166)
Vocal Chamber Ensemble I: Madrigal to Jazz

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: Successful audition
Transferable (refer to transfer guide)

MUSI 1177 CR-2 (formerly MUSI 1166)
Jazz Band I

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1178 CR-2 (formerly MUSI 1166)
Jazz Combo I

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: Permission of the instructor
Transferable (refer to transfer guide)

MUSI 1179 CR-2 (formerly MUSI 1166)
String Chamber Ensemble I

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: Acceptance into the Diploma in Music or permission of instructor
Transferable (refer to transfer guide)

MUSI 1180 CR-2
Opera Workshop Ensemble I

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: Placement according to voice type or successful audition
Transferable (refer to transfer guide)

MUSI 1181 CR-2
Kwantlen Chamber Singers I

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages

Prerequisites: Successful audition
Transferable (refer to transfer guide)

MUSI 1200 CR-3 (formerly MUSI 1020)**Rudiments of Music II**

Students will study basic written aspects of musical language, including chord building, chord progressions, simple voicing, basic arranging, applied rhythmic patterns, transposing instruments, ornamentation, and musical terms. They will develop their skills through writing and through the analysis of representative historical examples.

Prerequisites: MUSI 1100 or permission of instructor
Transferable (refer to transfer guide)

MUSI 1201 CR-2 (formerly MUSI 1021)**Aural Musicianship and Rhythm Training II**

Students will continue the development of elementary musicianship skills, including sight singing, rhythm, conducting, and error detection. They will also acquire more skills for melodic, harmonic, and rhythmic dictation.

Prerequisites: MUSI 1101 or permission of instructor
Co-requisites: MUSI 1200 MUSI 1200
Transferable (refer to transfer guide)

MUSI 1203 CR-3 (formerly MUSI 1023)**Listening To Music II**

Students will continue to cultivate an understanding of Western music by further developing basic aural skills in hearing rhythm, melody, harmony, color, texture, form, and orchestration. They will do so primarily by listening to and studying representative examples of Western music from the time of Beethoven to the present day, as well as popular music (jazz, blues, and rock), and selected non-Western musical traditions. To further develop their aural skills, students will attend specified concerts (with costs incurred) and will actively listen to and analyze the performances.

Note: This course is open to non-music students.

Prerequisites: MUSI 1103, or permission of instructor
Transferable (refer to transfer guide)

MUSI 1205 CR-2**Major Instrument - Foundation II**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire. Students will also continue to establish a foundation of technical, musical, and sight reading skills essential for advanced study.

Prerequisites: MUSI 1105
Transferable (refer to transfer guide)

MUSI 1233 CR-2**Fretboard Studies II**

Students will continue to develop a full knowledge of the harmonic and melodic capabilities of the guitar fretboard. They will undertake advanced level studies in fretboard harmony, scales, arpeggios, and modes, and will cultivate music reading skills in upper positions.

Note : For students whose first instrument is guitar. This course is offered every second year.

Prerequisites: MUSI 1133 or permission of the instructor
Transferable (refer to transfer guide)

MUSI 1250 CR-3**The Language of Music II**

Students will study late-Baroque and Classical diatonic harmony through writing and analysis. They will examine the function of all diatonic seventh chords and complete writing exercises in choral and keyboard styles. They will also look at musical form (period, binary, rounded binary, ternary) and combine their knowledge of harmony and form in the composition of a short original work.

Prerequisites: MUSI 1150
Transferable (refer to transfer guide)

MUSI 1251 CR-2**Aural Musicianship II**

Students will continue to develop essential musicianship skills, including sight singing, rhythm, conducting, error detection, as well as melodic, harmonic, and rhythmic dictation.

Prerequisites: MUSI 1151 or permission of instructor
Co-requisites: MUSI 1250 and MUSI 1254 (recommended) MUSI 1250 and MUSI 1254 (recommended)
Transferable (refer to transfer guide)

MUSI 1253 CR-3**History of Music II: 1600 to 1800**

Students will engage in intensive study of the development of Western art music during the Baroque and Classical periods, from circa 1600 to circa 1800. They will learn about the historical development of styles, genres, and forms, and will examine music as an expression of Western culture by relating it to changing artistic, social, and political contexts. They will continue to cultivate aural skills by actively listening to and studying representative works, and will further develop skills in researching, writing, and thinking critically about music.

Prerequisites: MUSI 1153, or permission of instructor
Transferable (refer to transfer guide)

MUSI 1254 CR-1**Keyboard Skills II**

Students will develop basic keyboard skills by furthering their study of keyboard harmony (chord progressions and harmonization) and by developing their ability to harmonize melodies using simple accompaniment patterns. They will also continue to improve their reading skills (sight-reading and transposition).

Prerequisites: MUSI 1154 or audition and/or interview
Co-requisites: MUSI 1250 or permission of instructor MUSI 1250 or permission of instructor
Transferable (refer to transfer guide)

MUSI 1255 CR-1**Secondary Instrument - II**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on fundamental technical and sight-reading requirements.

Note: Students will normally take no more than four (4) semesters of secondary instrument instruction.

Prerequisites: MUSI 1155 or permission of the department head.
Transferable (refer to transfer guide)

MUSI 1256 CR-3**Major Instrument - Performance II**

Students will work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of assigned repertoire, and on technical and sight reading requirements. They will participate in master classes as required by the instructor.

Prerequisites: MUSI 1156 (or MUSI 1157 with successful audition)

Transferable (refer to transfer guide)

MUSI 1257 CR-2**Major Instrument - Concentration II**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on fundamental technical and sight reading requirements. Note: Diploma students will normally take no more than four (4) semesters of private lessons in courses ending in the numbers 56 or 57.

Prerequisites: MUSI 1157 or (MUSI 1165 with successful audition)

Transferable (refer to transfer guide)

MUSI 1258 CR-2**Piano Repertoire II: The Classical Period**

Students will undertake a chronological survey and analysis of important solo klavier works from the Classical period (ca. 1750-ca. 1800). They will study this repertoire from the point of view of the performer and teacher, assessing the music not only on its own terms, but also in the context of the development of klavier instruments themselves, historic performance practices, and sociological trends. Students majoring in piano performance will be required to perform selected repertoire in class.

Prerequisites: MUSI 1158 or permission of the instructor

Transferable (refer to transfer guide)

MUSI 1267 CR-2**Kwantlen String Orchestra II**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1167

Transferable (refer to transfer guide)

MUSI 1268 CR-2**Kwantlen Wind Ensemble II**

Students will rehearse and perform Wind Literature repertoire from the 16th Century to the present day. Students will study and perform contemporary works by Canadian composers. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1168

Transferable (refer to transfer guide)

MUSI 1269 CR-2**Kwantlen Chorus II**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1169

Transferable (refer to transfer guide)

MUSI 1271 CR-2 (formerly MUSI 1266)**Guitar Chamber Ensemble II**

Students will continue to perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 1171

Transferable (refer to transfer guide)

MUSI 1272 CR-2 (formerly MUSI 1266)**Piano Chamber Ensemble II**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 1172

Transferable (refer to transfer guide)

MUSI 1273 CR-2 (formerly MUSI 1266)**Percussion Ensemble II**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of work music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 1173

Transferable (refer to transfer guide)

MUSI 1274 CR-2 (formerly MUSI 1266)**Woodwind Ensemble II**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 1174

Transferable (refer to transfer guide)

MUSI 1275 CR-2 (formerly MUSI 1266)**Brass Ensemble II**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 1175

Transferable (refer to transfer guide)

MUSI 1276 CR-2**Vocal Chamber Ensemble II: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: MUSI 1176 and successful audition
Transferable (refer to transfer guide)

MUSI 1277 CR-2 (formerly MUSI 1266)**Jazz Band II**

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 1177
Transferable (refer to transfer guide)

MUSI 1278 CR-2 (formerly MUSI 1266)**Jazz Combo II**

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 1178
Transferable (refer to transfer guide)

MUSI 1279 CR-2 (formerly MUSI 1266)**String Chamber Ensemble II**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 1179
Transferable (refer to transfer guide)

MUSI 1280 CR-2**Opera Workshop Ensemble II**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 1180 or successful audition
Transferable (refer to transfer guide)

MUSI 1281 CR-2**Kwantlen Chamber Singers II**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 1181 and a successful audition
Transferable (refer to transfer guide)

MUSI 2340 CR-2**Collaborative Piano I**

Students will explore the collaborative art of performing with vocalists. They will study and perform assigned works that are representative of standard vocal repertoire, including (but not limited to) Italian art songs of the 17th and 18th centuries, German Lieder, French mélodies, and orchestral transcriptions of oratorio and opera solos.

Note: MUSI 2340, MUSI 2440, MUSI 3540, and MUSI 3640 (Collaborative Piano I - IV) are not sequential and may be taken in any order. This course is for piano majors.

Prerequisites: MUSI 1256 or MUSI 1257 or permission of the instructor
Transferable (refer to transfer guide)

MUSI 2350 CR-3**The Language of Music III**

Students will study advanced diatonic harmony and begin the study of chromaticism. They will cover sequences, secondary-function chords, modulation, modal borrowing, and continue the study of form, relating it to large-scale harmonic plans. They will combine their knowledge of harmony and form in the composition of a short original work.

Prerequisites: MUSI 1250
Transferable (refer to transfer guide)

MUSI 2351 CR-2**Aural Musicianship III**

Students will work toward the development of more advanced musicianship skills, including sight singing, rhythm, conducting, error detection, as well as melodic, harmonic, and rhythmic dictation.

Prerequisites: MUSI 1251 or permission of instructor
Co-requisites: MUSI 2350 and MUSI 2354 (Recommended) MUSI 2350 and MUSI 2354 (Recommended)
Transferable (refer to transfer guide)

MUSI 2353 CR-3**History of Music III: 1800 to 1900**

Students will engage in intensive study of the development of Western art music during the Romantic era, from circa 1800 to circa 1900. They will focus on the historical development of styles, genres, and forms, but will also examine music as an expression of Western culture by relating it to changing artistic, social, and political contexts. They will continue to cultivate aural skills by actively listening to and studying representative works, and will further develop skills in researching, writing, and thinking critically about music.

Prerequisites: MUSI 1253 or permission of instructor
Transferable (refer to transfer guide)

MUSI 2354 CR-1**Keyboard Skills III**

Students will develop a higher level of keyboard proficiency by furthering their study of keyboard harmony (chord progressions and harmonization) and by cultivating their ability to harmonize melodies using simple accompaniment patterns. They will also continue to improve their reading skills (sight-reading and transposition).

Prerequisites: MUSI 1254 or audition and/or interview
Co-requisites: MUSI 2350 or permission of instructor MUSI 2350 or permission of instructor
Transferable (refer to transfer guide)

MUSI 2355 CR-1**Secondary Instrument - III**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on intermediate technical and sight-reading requirements.

Note: Students will normally take no more than four (4) semesters of secondary instrument instruction.

Prerequisites: MUSI 1255 or permission of the department head Transferable (refer to transfer guide)

MUSI 2356 CR-3**Major Instrument - Performance III**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of assigned repertoire, and on intermediate technical and sight-reading requirements.

Note: Diploma students will normally take no more than four (4) semesters of private lessons in courses ending in the numbers 56 or 57

Prerequisites: MUSI 1256 (or MUSI 1257 and a successful audition) Transferable (refer to transfer guide)

MUSI 2357 CR-2**Major Instrument - Concentration III**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on intermediate technical and sight reading requirements.

Note: Diploma students will normally take no more than four (4) semesters of private lessons in courses ending in the numbers 56 or 57.

Prerequisites: MUSI 1257 or (MUSI 1265 with successful audition) Transferable (refer to transfer guide)

MUSI 2358 CR-2**Piano Repertoire III: The Romantic Period**

Students will undertake a chronological survey and analysis of important piano solo and concerto works from the Romantic period (from the time of Schubert to ca. 1900). They will study this repertoire from the point of view of the performer and teacher, assessing the music not only on its own terms, but also in the context of the development of the piano itself, historic performance practices, and sociological trends. Students majoring in piano performance will be required to perform selected repertoire in class.

Prerequisites: MUSI 1258 or permission of the instructor Transferable (refer to transfer guide)

MUSI 2359 CR-1**Lyric Diction I**

Students will learn the symbols and sounds of the International Phonetic Alphabet. They will then learn the basic phonetics and principles of lyric diction of Italian and German as used in standard concert and operatic repertoire for voice.

Prerequisites: Acceptance into the Diploma Program - Vocal Performance or permission of instructor Transferable (refer to transfer guide)

MUSI 2367 CR-2**Kwantlen String Orchestra III**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1267 Transferable (refer to transfer guide)

MUSI 2368 CR-2**Kwantlen Wind Ensemble III**

Students will rehearse and perform Wind Literature repertoire from the 16th century to the present day. Students will study and perform contemporary works by Canadian composers. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1268 Transferable (refer to transfer guide)

MUSI 2369 CR-2**Kwantlen Chorus III**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 1269 Transferable (refer to transfer guide)

MUSI 2371 CR-2 (formerly MUSI 2366)**Guitar Chamber Ensemble III**

Students will continue to perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 1271 Transferable (refer to transfer guide)

MUSI 2372 CR-2 (formerly MUSI 2366)**Piano Chamber Ensemble III**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 1272 Transferable (refer to transfer guide)

MUSI 2373 CR-2 (formerly MUSI 2366)**Percussion Ensemble III**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of work music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 1273
Transferable (refer to transfer guide)

MUSI 2374 CR-2 (formerly MUSI 2366)**Woodwind Ensemble III**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 1274
Transferable (refer to transfer guide)

MUSI 2375 CR-2 (formerly MUSI 2366)**Brass Ensemble III**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 1275
Transferable (refer to transfer guide)

MUSI 2376 CR-2**Vocal Chamber Ensemble III: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: MUSI 1276 and successful audition
Transferable (refer to transfer guide)

MUSI 2377 CR-2 (formerly MUSI 2366)**Jazz Band III**

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 1277
Transferable (refer to transfer guide)

MUSI 2378 CR-2 (formerly MUSI 2366)**Jazz Combo III**

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off- campus throughout the semester.

Prerequisites: MUSI 1278
Transferable (refer to transfer guide)

MUSI 2379 CR-2**String Chamber Ensemble III**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 1279
Transferable (refer to transfer guide)

MUSI 2380 CR-2**Opera Workshop Ensemble III**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 1280 or a successful audition
Transferable (refer to transfer guide)

MUSI 2381 CR-2**Kwantlen Chamber Singers III**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 1281 and successful audition
Transferable (refer to transfer guide)

MUSI 2440 CR-2**Collaborative Piano II**

Students will work on the collaborative art of playing with orchestral string instruments. They will study and perform assigned works that are representative of standard string repertoire, including (but not limited to) baroque continuo keyboard parts, sonata repertoire, and orchestral reductions of concerted works.

Note: MUSI 2340, 2440, 3540, and 3640 (Collaborative Piano I - IV) are not sequential and may be taken in any order.

Prerequisites: MUSI 1256 or 1257 or permission of the instructor.
Transferable (refer to transfer guide)

MUSI 2450 CR-3**The Language of Music IV**

Students will study advanced chromatic harmony, including Neapolitan chords, augmented sixth chords, added dissonance chords, and remote modulations. They will also examine sonata form, text/music relationships in art songs, and compose a short original work using concepts studied.

Prerequisites: MUSI 2350
Transferable (refer to transfer guide)

MUSI 2451 CR-2**Aural Musicianship IV**

Students will work toward the development of advanced musicianship skills, including sight singing, rhythm, conducting, error detection, as well as melodic, harmonic, and rhythmic dictation.

Prerequisites: MUSI 2351 or permission of instructor
Co-requisites: MUSI 2450 and MUSI 2454 (Recommended) MUSI 2450 and MUSI 2454 (Recommended)
Transferable (refer to transfer guide)

MUSI 2453 CR-3**History of Music IV: 1900 To The Present**

Students will engage in intensive study of the development of Western art music in Europe and the Americas from circa 1900 to the present. They will focus on the diverse musical styles and trends that emerged in the Western art music tradition, but will also examine the influences of jazz, popular, and non-Western music. They will view these and other musical developments within the context of social, ideological, and technological change.

Students will continue to cultivate aural skills by actively listening to and studying representative works, and will further develop skills in researching, writing, and thinking critically about music.

*Prerequisites: MUSI 2353, or permission of instructor
Transferable (refer to transfer guide)*

MUSI 2454 CR-1**Keyboard Skills IV**

Students will develop a higher level of keyboard proficiency by furthering their study of keyboard harmony (chord progressions and harmonization) and by cultivating their ability to harmonize melodies using simple accompaniment patterns. They will also continue to improve their reading skills (sight-reading and transposition).

*Prerequisites: MUSI 2354 or audition and/or interview
Co-requisites: MUSI 2450 or permission of instructor MUSI 2450 or permission of instructor
Transferable (refer to transfer guide)*

MUSI 2455 CR-1**Secondary Instrument - IV**

Students will continue to work one-on-one with an instructor (vocal or instrumental) on the interpretation and performance of repertoire, and on intermediate technical and sight-reading requirements.

Note: Students will normally take no more than four (4) semesters of secondary instrument instruction.

*Prerequisites: MUSI 2355 or permission of the department head
Transferable (refer to transfer guide)*

MUSI 2456 CR-3**Major Instrument - Performance IV**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of assigned repertoire, and on technical and sight reading requirements. They will participate in master classes as required by the instructor.

*Prerequisites: MUSI 2356 (or MUSI 2357 with successful audition)
Transferable (refer to transfer guide)*

MUSI 2457 CR-2**Major Instrument - Concentration IV**

Students will continue to work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of repertoire, and on intermediate technical and sight-reading requirements.

Note: Diploma students will normally take no more than four (4) semesters of private lessons in courses ending in the numbers 56 or 57.

*Prerequisites: MUSI 2357 or (MUSI 2365 with successful audition)
Transferable (refer to transfer guide)*

MUSI 2458 CR-2**Piano Repertoire IV: 20th and 21st Century**

Students will undertake a chronological survey and analysis of important solo piano and concerto works in varied styles from the 20th century to the present day, including major Canadian piano music. Students will explore this repertoire from the point of view of the performer and teacher, assessing the music not only on its own terms, but also in the context of at least five styles of the 20th and 21st centuries, new concepts of form and notation, as well as performance practices and sociological trends. Students majoring in piano performance will be required to perform selected repertoire in class.

*Prerequisites: MUSI 2358 or permission of instructor
Transferable (refer to transfer guide)*

MUSI 2459 CR-1**Lyric Diction II**

Students will review the symbols and sounds of the International Phonetic Alphabet. They will then learn the basic phonetics and principles of lyric diction of French, Spanish and English as used in standard concert and operatic repertoire for voice.

*Prerequisites: MUSI 2359 or permission of instructor.
Transferable (refer to transfer guide)*

MUSI 2467 CR-2**Kwantlen String Orchestra IV**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

*Prerequisites: MUSI 2367
Transferable (refer to transfer guide)*

MUSI 2468 CR-2**Kwantlen Wind Ensemble IV**

Students will rehearse and perform works of the Wind Literature repertoire from the 16th century to the present day. They will study and perform new works by Canadian composers each semester. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

*Prerequisites: MUSI 2368 for Music majors
Transferable (refer to transfer guide)*

MUSI 2469 CR-2**Kwantlen Chorus IV**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

*Prerequisites: MUSI 2369
Transferable (refer to transfer guide)*

MUSI 2471 CR-2 (formerly MUSI 2466)**Guitar Chamber Ensemble IV**

Students will continue to perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 2371

Transferable (refer to transfer guide)

MUSI 2472 CR-2 (formerly MUSI 2466)**Piano Chamber Ensemble IV**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 2372

Transferable (refer to transfer guide)

MUSI 2473 CR-2 (formerly MUSI 2466)**Percussion Ensemble IV**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of world music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 2373

Transferable (refer to transfer guide)

MUSI 2474 CR-2 (formerly MUSI 2466)**Woodwind Ensemble IV**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 2374

Transferable (refer to transfer guide)

MUSI 2475 CR-2 (formerly MUSI 2466)**Brass Ensemble IV**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 2375

Transferable (refer to transfer guide)

MUSI 2476 CR-2**Vocal Chamber Ensemble IV: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: MUSI 2376 and successful audition

Transferable (refer to transfer guide)

MUSI 2477 CR-2 (formerly MUSI 2466)**Jazz Band IV**

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 2377

Transferable (refer to transfer guide)

MUSI 2478 CR-2 (formerly MUSI 2466)**Jazz Combo IV**

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off- campus throughout the semester.

Prerequisites: MUSI 2378

Transferable (refer to transfer guide)

MUSI 2479 CR-2**String Chamber Ensemble IV**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 2379

Transferable (refer to transfer guide)

MUSI 2480 CR-2**Opera Workshop Ensemble IV**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 2380 or a successful audition

Transferable (refer to transfer guide)

MUSI 2481 CR-2**Kwantlen Chamber Singers IV**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 2381 and successful audition

Transferable (refer to transfer guide)

MUSI 3113 CR-3**The Social History of the Guitar**

Students will survey the history and repertoire of the guitar as a means to understand how people of other times and places interpreted human experience, and how these beliefs and values affected music creation and expression. They will also use examples of guitar music from both history and the present to explore long-standing debates and fundamental issues regarding the role of music in society.

Note: Students need no formal training or background in music although a keen interest in the guitar and its history will be valuable.

Prerequisites: Any 1200-level English course

Not Transferable

MUSI 3500 CR-3

Special Topics

Students will engage in intensive study of special topics in the music of the 20th and 21st centuries. They will examine, analyze, and perform music from various repertoires, such as classical, jazz, world, and popular. Students will write at least one research paper. Note: The specific area of study will be established in advance by the music faculty.

Prerequisites: MUSI 1150 or equivalent or permission of instructor and ENGL 1100

Transferable (refer to transfer guide)

MUSI 3501 CR-3

Selected Topics in Western Music

Students will investigate one aspect of art music in Western culture, such as a major body of works, a subject (e.g., women and the piano in the nineteenth century), or one or more questions inviting historical inquiry (e.g., the challenges of recreating Baroque opera). They will use selected musical works as the basis for study. Students will first relate the topic to its cultural and historical context, and then examine the selected works in greater analytical and historical depth, which will include attending and evaluating professional performances.

Note: The topic will be established in advance by the Music Department. Students may take this course multiple times for further credit on different topics. Students are responsible for the costs of attending performances.

Prerequisites: Any 60 credits of 1100-level or higher, including ENGL 1100. Non-Music students must have permission of instructor.

MUSI 3502 CR-3

Computer Applications in Music Education

Students will examine various educational technologies and their applications in teaching and learning music. They will consider recent developments in technological practices, with a focus on utilizing these approaches in various teaching situations.

Prerequisites: Any 60 credits of 1100-level or higher, including ENGL 1100

Not Transferable

MUSI 3512 CR-3 (formerly MUSI 1202)

The Business of Music

Students will survey common business practices related to the music industry. They will also develop business-related knowledge and skills essential for managing a music career.

Prerequisites: MUSI 1112 and 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3533 CR-2

Acoustic Guitar Styles

Students will examine selected styles of guitar playing, such as flamenco, Celtic, world music, fingerstyle steel-string, Latin/South American, or fingerstyle jazz and blues. They will utilize audio and digital presentations as well as personal instruction to gain basic skills in each style.

Note: Topics are offered on a rotational basis. The specific topic will be established in advance by the Music Department. Students may take this course multiple times for further credit on different topics.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3535 CR-1.5

Jazz Improvisation I

Students will learn basic skills essential to effective improvisation, including listening and memorization skills, techniques for melodic development, and the use of simple harmonies. They will develop various practice techniques essential to improving improvisational skills.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3540 CR-2

Collaborative Piano III

Students will work on the collaborative art of performing with woodwind instruments. They will study and perform assigned works that are representative of standard woodwind repertoire, including (but not limited to) sonata repertoire, French conservatory test pieces and orchestral reductions of concerted works.

Note: MUSI 2340, 2440, 3540, and 3640 (Collaborative Piano I - IV) are not sequential and may be taken in any order.

Prerequisites: MUSI 1256 or 1257 or permission of the instructor.

Not Transferable

MUSI 3550 CR-3

The Language of Music V: Jazz and Pop

Students will learn the fundamental theoretical and aural skills associated with jazz and pop idioms including nomenclature, harmonic progressions, turnarounds, chord substitutions, polychords, non-functional harmony, as well as chord/scale relationships of the major, harmonic and melodic minor scales, symmetrical scales, and modes. They will develop their skills through writing and analysis of representative historical examples.

Prerequisites: MUSI 2450 or permission of instructor

Transferable (refer to transfer guide)

MUSI 3551 CR-3

Conducting I

Students will learn the necessary skills to conduct ensembles (instrumental/choral) at a basic to intermediate level. They will learn the craft of conducting including clear, proficient hand and baton technique in basic conducting patterns, coordinating the use of the body (including cuing) and the fundamentals of score reading and score preparation. Students will develop a responsible attitude to rehearsal preparation by using a gestural approach to control tempo, dynamics, articulation, phrasing, fermatas and releases.

Note: Some piano proficiency is required.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3553 CR-3

History of Jazz and Pop Music

Students will survey the history of jazz and popular music in North America. They will examine the issues and theories regarding the relationship between music and culture. Students will explore such topics as race and ethnicity, gender and sexuality, class, mass media, and aesthetics.

Prerequisites: Any 60 credits of 1100-level or higher, including ENGL 1100. Non-music students must have permission of the instructor.

Not Transferable

MUSI 3556 CR-4**Major Instrument - Performance V**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of assigned repertoire, and on technical and sight-reading requirements. They will participate in master classes as required by the instructor.

Prerequisites: MUSI 2456 or (MUSI 2457 and a successful audition)

MUSI 3557 CR-2**Major Instrument - Concentration V**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of repertoire, and on technical and sight reading requirements.

Prerequisites: A minimum of 54 credits at the 1100 level or higher, including MUSI 2457
Not Transferable

MUSI 3567 CR-2**Kwantlen String Orchestra V**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 2467

MUSI 3568 CR-2**Kwantlen Wind Ensemble V**

Students will rehearse and perform works of the Wind Literature repertoire from the 16th century to the present day. They will study and perform new works by Canadian composers each semester. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 2468 for Music majors
Transferable (refer to transfer guide)

MUSI 3569 CR-2**Kwantlen Chorus V**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 2469
Transferable (refer to transfer guide)

MUSI 3571 CR-2**Guitar Chamber Ensemble V**

Students will continue to perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 2471
Transferable (refer to transfer guide)

MUSI 3572 CR-2**Piano Chamber Ensemble V**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 2472
Transferable (refer to transfer guide)

MUSI 3573 CR-2**Percussion Ensemble V**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of world music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 2473
Transferable (refer to transfer guide)

MUSI 3574 CR-2**Woodwind Ensemble V**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 2474
Transferable (refer to transfer guide)

MUSI 3575 CR-2**Brass Ensemble V**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 2475
Transferable (refer to transfer guide)

MUSI 3576 CR-2**Vocal Chamber Ensemble V: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in baroque and jazz styles. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: MUSI 2476 and successful audition
Transferable (refer to transfer guide)

MUSI 3577 CR-2**Jazz Band V**

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 2477
Transferable (refer to transfer guide)

MUSI 3578 CR-2**Jazz Combo V**

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off- campus throughout the semester.

Prerequisites: MUSI 2478

Transferable (refer to transfer guide)

MUSI 3579 CR-2**String Chamber Ensemble V**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 2479

Transferable (refer to transfer guide)

MUSI 3580 CR-2**Opera Workshop Ensemble V**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 2480 or successful audition

MUSI 3581 CR-2**Kwantlen Chamber Singers V**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 2481 and successful audition

MUSI 3585 CR-2**Vocal Repertoire I**

Students will study the origins and development of the art song within the standard vocal repertoire. They will perform from selected art song repertoire and will study and analyze art song repertoire from the Italian, French, German and English art song literature as it relates to all voice types. Students will study compositional techniques of the art song, with a focus given to the relationship between the vocal melody and piano accompaniment.

Prerequisites: 60 credits of 1100 level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3586 CR-3**Introduction to Music Pedagogy**

Students will examine the skills, concepts and methodologies for teaching music in both private and ensemble/classroom settings. Students will study different teaching and learning styles and develop analytical and critical thinking skills in regards to teaching and learning. They will study aspects of teaching that constitute excellence in teaching music.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3590 CR-3**Orchestration and Arranging**

Students will study the conventions of writing for strings, woodwinds, brass and percussion (including instrument ranges, issues of transposition, articulation and special effects). Students will transcribe or adapt existing works for various ensemble combinations using appropriate manuscript techniques. They will complete several short transcriptions for chamber ensemble and full orchestra.

Prerequisites: MUSI 2450 or permission of the instructor

Not Transferable

MUSI 3591 CR-3**Composition**

Students will produce original work using traditional compositional methods. They will explore various modes of expression that reflect contemporary music styles, structures, and techniques.

Prerequisites: MUSI 2450 or permission of the instructor

Not Transferable

MUSI 3602 CR-3**Audio Recording and Production Techniques**

Students will acquire essential sound recording and reproduction techniques utilizing a Mac digital audio workstation. They will learn the fundamentals of sound, microphones, mixing, dynamic processing, equalization, effects, analog/digital recording, MIDI (Musical Instrument Digital Interface) production, and mastering.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3635 CR-1.5**Jazz Improvisation II**

Students will develop intermediate skills essential to effective improvisation including listening and memorization skills, techniques for melodic development, and the use of more elaborate harmonies and chord progressions. They will continue to develop various practice techniques essential to improving improvisational skills.

Prerequisites: MUSI 3535 and MUSI 3550

Not Transferable

MUSI 3640 CR-2**Collaborative Piano IV**

Students will work on the collaborative art of playing with brass instruments. They will study and perform assigned works that are representative of standard brass repertoire, including (but not limited to) sonata repertoire, French conservatory pieces and orchestral reductions of concerted works.

Note: MUSI 2340, 2440, 3540 and 3640 (Collaborative Piano I - IV) are not sequential and may be taken in any order.

Prerequisites: MUSI 1256 or 1257 or permission of the instructor.

Not Transferable

MUSI 3650 CR-3**The Language of Music VI: Contemporary**

Students will explore various facets of twentieth-century music as well as emerging trends in the present century. They will examine the main trends in the Western classical tradition; the interrelationships/mutual influences of these repertoires; and their connections with the other arts and with changes in society. Students will examine these repertoires from theoretical and historical perspectives, deepening their understanding by analyzing historically significant works.

Prerequisites: MUSI 2450

Transferable (refer to transfer guide)

MUSI 3653 CR-3**World Music**

Students will engage in an intensive examination of musical genres from various world cultures. They will study historical and contemporary examples of popular and folkloric music of Latin American, African, Arabic, Middle Eastern, Central Asian, Indian, Indonesian, Japanese, and Chinese traditions. Students will listen to selected examples of world music, through which they will develop strategies for analyzing music outside the tradition of Western art music in Europe and the Americas.

Note: This course is open to non-music students.

Prerequisites: Any 60 credits of 1100-level or higher, including ENGL 1100

Not Transferable

MUSI 3656 CR-4**Major Instrument - Performance VI**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of assigned repertoire, and on technical and sight-reading requirements. They will participate in master classes as required by the instructor and present a half recital (solo).

Prerequisites: MUSI 3556

MUSI 3657 CR-2**Major Instrument - Concentration VI**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of repertoire, and on technical and sight reading requirements.

Prerequisites: MUSI 3557

MUSI 3667 CR-2**Kwantlen String Orchestra VI**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview. This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3567

MUSI 3668 CR-2**Kwantlen Wind Ensemble VI**

Students will rehearse and perform works of the Wind Literature repertoire from the Renaissance period through to the present day. They will study and perform new works by Canadian composers each semester. Student will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3568 for Music majors

Transferable (refer to transfer guide)

MUSI 3669 CR-2**Kwantlen Chorus VI**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3569

Transferable (refer to transfer guide)

MUSI 3671 CR-2**Guitar Chamber Ensemble VI**

Students will continue to perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 3571

Transferable (refer to transfer guide)

MUSI 3672 CR-2**Piano Chamber Ensemble VI**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 3572

Transferable (refer to transfer guide)

MUSI 3673 CR-2**Percussion Ensemble VI**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of world music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 3573

Transferable (refer to transfer guide)

MUSI 3674 CR-2**Woodwind Ensemble VI**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 3574

Transferable (refer to transfer guide)

MUSI 3675 CR-2**Brass Ensemble VI**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 3575

Transferable (refer to transfer guide)

MUSI 3676 CR-2**Vocal Chamber Ensemble VI: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in baroque and jazz styles. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on- and off-campus.

Prerequisites: MUSI 3576 and successful audition

Transferable (refer to transfer guide)

MUSI 3677 CR-2**Jazz Band VI**

Students will work on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 3577

Transferable (refer to transfer guide)

MUSI 3678 CR-2**Jazz Combo VI**

Students will work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on- and off-campus throughout the semester.

Prerequisites: MUSI 3578

Transferable (refer to transfer guide)

MUSI 3679 CR-2**String Chamber Ensemble VI**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 3579

Transferable (refer to transfer guide)

MUSI 3680 CR-2**Opera Workshop Ensemble VI**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 3580 or successful audition

MUSI 3681 CR-2**Kwantlen Chamber Singers VI**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 3581 and a successful audition

MUSI 3685 CR-2**Vocal Repertoire II**

Students will study and perform operatic and oratorio solo repertoire from the 17th century to present day. Students will study and analyze musical components of style and compositional techniques of recitative and aria for all voice types, with a focus given to the relationship of solo operatic and oratorio repertoire and orchestral accompaniment.

Prerequisites: 60 credits of 1100 level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3686 CR-3**Approaches to Music Education**

Students will examine the educational philosophies, techniques, and musical methods of Orff, Kodaly, Suzuki, Dalcroze, Music for Young Children, Kindermusik and Gordon's Learning Theory. They will research teaching techniques that motivate learning behaviours. Students will compare the different approaches to developing music skills at various ages and stages of a child's development.

Prerequisites: 60 credits of 1100 level or higher coursework, including ENGL 1100

Not Transferable

MUSI 3688 CR-2**Studio Pedagogy I**

Students will study teaching methods and explore material in a systematic manner for beginner through elementary level private students. Students will examine different technical approaches and become familiar with suitable studio teaching material through directed reading, discussion, and practical assignments. Students may be required to perform selected repertoire in class.

Note: MUSI 3688, 4788, and 4888 (Studio Pedagogy I - III) are not sequential and may be taken in any order.

Prerequisites: 60 credits of 1100 level or higher, including ENGL 1100

Co-requisites: MUSI 3586 MUSI 3586

Not Transferable

MUSI 3691 CR-3**Song and Lyric Writing**

Students will study popular song styles from the beginning of the 19th century to the present in order to identify and understand key elements of song writing, and to develop original text and melodic ideas. Students will combine melodic and rhythmic ideas with popular harmonic progressions to create original material. They will also develop scoring skills through the creation of full scores (arrangements) and charts (lead sheets).

Prerequisites: MUSI 3550 or permission of instructor

Not Transferable

MUSI 4599 CR-3**Directed Studies in Western Music**

Students will carry out a detailed investigation of a topic relevant to the development of art music, jazz, or pop music within the Western tradition. They will do so under the supervision of a faculty member through a survey and review of written and audio/visual resources and, if appropriate, musical analysis as well as the consideration of cultural milieu. Students will develop a comprehensive understanding of their topic, in addition to submitting a final assignment.

Prerequisites: MUSI 1153 and MUSI 1253 and MUSI 2353 and MUSI 2453 and (MUSI 3501 or MUSI 3553)

MUSI 4735 CR-1.5**Jazz Improvisation III**

Students will develop advanced improvisational skills as well as their own personal improvisational style. They will explore more advanced improvisational techniques including syncopation, phrasing, rhythmic feels, and complex harmonies.

Prerequisites: MUSI 4635

Not Transferable

MUSI 4751 CR-3**Conducting II: Instrumental**

Students will gain the skills necessary to prepare and conduct instrumental music selected from standard wind and orchestral literature. Students will gain practical experience conducting the laboratory instrumental ensemble. They will develop aspects of rehearsal techniques as demonstrated through advanced use of a range of effective conducting gestures. Students will study score analysis, score preparation and score reading as it pertains to the instrumental ensemble setting.

Note: Students will prepare music with a soloist and develop fluency with asymmetrical rhythmic patterns. Students will participate in weekly applied sessions using piano and instrumental accompaniment. Video will be used in all classes as a method of evaluation.

Prerequisites: MUSI 3551

MUSI 4752 CR-3**Conducting II: Choral**

Students will gain the skills necessary to prepare and conduct choral music selected from standard choral literature. Students will gain practical experience conducting the laboratory choir and accompanying instrument(s). They will develop aspects of rehearsal techniques and vocal instruction as demonstrated through development and use of a range of effective conducting gestures. Students will study score analysis, score preparation and score reading as it pertains to the choral ensemble setting.

Prerequisites: MUSI 3551

Not Transferable

MUSI 4756 CR-4**Major Instrument - Performance VII**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of assigned repertoire, and on technical and sight reading requirements. They will participate in master classes as required by the instructor.

Prerequisites: MUSI 3656

MUSI 4757 CR-2**Major Instrument - Concentration VII**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of repertoire, and on technical and sight reading requirements.

Prerequisites: MUSI 3657

MUSI 4760 CR-3 (formerly MUSI 2460)**Psychophysiology of Music Performance**

Students will explore the psychological/physical relationship in music performance as well as the mental and emotional factors that affect learning and teaching. They will develop body awareness (posture, movement, and breathing) and its relationship to musical performance, as well as learn how to amend their physical movements to play more efficiently with less effort. Students will also investigate different approaches in developing musical skill, expressivity, interpretation, musical memory, and motivation, as well as survey different techniques for managing-and utilizing-performance anxiety.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Not Transferable

MUSI 4767 CR-2**Kwantlen String Orchestra VII**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview.

This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3667

MUSI 4768 CR-2**Kwantlen Wind Ensemble VII**

Students will rehearse and perform works of the Wind Literature repertoire from the Renaissance period to the present day.

They will study and perform new works by Canadian composers each semester. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students.

Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3668

MUSI 4769 CR-2**Kwantlen Chorus VII**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 3669

MUSI 4771 CR-2**Guitar Chamber Ensemble VII**

Students will perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 3671

MUSI 4772 CR-2**Piano Chamber Ensemble VII**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 3672

MUSI 4773 CR-2**Percussion Ensemble VII**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of world music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 3673

MUSI 4774 CR-2**Woodwind Ensemble VII**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 3674

MUSI 4775 CR-2**Brass Ensemble VII**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 3675

MUSI 4776 CR-2**Vocal Chamber Ensemble VII: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will perform in concerts both on and off campus.

Note: Students will audition for the ensemble at the beginning of each semester.

Prerequisites: MUSI 3676 or successful audition

MUSI 4777 CR-2**Jazz Band VII**

Students will expand on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on and off campus throughout the semester.

Prerequisites: MUSI 3677

MUSI 4778 CR-2**Jazz Combo VII**

Students will expand on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on and off campus throughout the semester.

Prerequisites: MUSI 3678

MUSI 4779 CR-2**String Chamber Ensemble VII**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 3679

MUSI 4780 CR-2**Opera Workshop Ensemble VII**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 3680 or successful audition

MUSI 4781 CR-2**Kwantlen Chamber Singers VII**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 3681 and successful audition

MUSI 4786 CR-3**Ensemble Rehearsal Techniques**

Students will choose either the choral or instrumental section of the course. Students in the choral section will explore standard choral repertoire and the application of rehearsal techniques as they apply to vocal development within choral ensembles. Students in the instrumental section will study standard instrumental repertoire and the application of rehearsal techniques as they apply to instrumental ensembles.

Note: This course consists of two independent sections: choral and instrumental

Prerequisites: MUSI 3551 or MUSI 4751 or MUSI 4752

Not Transferable

MUSI 4788 CR-2**Studio Pedagogy II**

Students will study teaching methods and explore material in a systematic manner for intermediate level private students. Students will examine different technical approaches and become familiar with suitable studio teaching material through directed reading, discussion, and practical assignments. Students may be required to perform selected repertoire in class.

Note: MUSI 3688, 4788, and 4888 (Studio Pedagogy I - III) are not sequential and may be taken in any order.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Co-requisites: MUSI 3586 MUSI 3586

Not Transferable

MUSI 4790 CR-3**Arranging for Small Ensembles**

Students will arrange music for small vocal and instrumental ensembles by means of transcription or adaptation of existing compositions. They will learn to recognize standard song forms, arrange and write for a rhythm section, as well as write and arrange in two, three, and four parts. Students will also learn to arrange music in various styles including Swing, Bossa Nova, Samba, Funk, and Pop/Rock styles.

Prerequisites: MUSI 2450

Co-requisites: MUSI 3550 and MUSI 3590 MUSI 3550 and MUSI 3590

Not Transferable

MUSI 4791 CR-3**Contemporary Composition**

Students will produce original creative work using contemporary compositional techniques. They will learn the skills of digital sampling and analog synthesis, multichannel/MIDI (Musical Instrument Digital Interfacing) sequencing, recording and production practices.

Prerequisites: MUSI 2450 or permission of the instructor

Not Transferable

MUSI 4835 CR-1.5**Jazz Improvisation IV**

Students will continue to develop advanced improvisational skills as well as their own personal improvisational style. They will continue to explore more advanced improvisational techniques including syncopation, phrasing, rhythmic feels, and complex harmonies.

Prerequisites: MUSI 4735

Not Transferable

MUSI 4856 CR-4**Major Instrument - Performance VIII**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of assigned repertoire, and on technical and sight reading requirements. They will participate in master classes as required by the instructor. Students will give a full recital (solo).

Prerequisites: MUSI 4756

MUSI 4857 CR-2**Major Instrument - Concentration VIII**

Students will work one-on-one with an instructor (vocal or instrumental) in the interpretation and performance of repertoire, and on technical and sight reading requirements.

Prerequisites: MUSI 4757

MUSI 4867 CR-2**Kwantlen String Orchestra VIII**

Students will rehearse and perform a wide variety of orchestral repertoire from the 16th to the 20th century, as well as works by contemporary Canadian composers.

Note: Placement in the ensemble is by audition and interview.

This course is open to all music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 4767

MUSI 4868 CR-2**Kwantlen Wind Ensemble VIII**

Students will rehearse and perform works of the Wind Literature repertoire from the Renaissance period to the present day. They will study and perform new works by Canadian composers each semester. Students will perform major works from the 400-year repertoire of Wind Ensemble, Chamber Winds, and Brass Ensemble literature.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 4768

MUSI 4869 CR-2**Kwantlen Chorus VIII**

Students will rehearse and perform choral works from the 16th century to the present in Western Classical tradition as well as works from the folk, jazz, popular, and musical theatre idioms.

Note: Placement in ensemble is by audition and/or interview. This course is open to all Music majors and other Kwantlen students. Members of the community may participate on a non-credit basis.

Prerequisites: MUSI 4769

MUSI 4871 CR-2**Guitar Chamber Ensemble VIII**

Students will perform duo, trio, and/or quartet music for guitar ensemble. They will study classical compositions but may also perform arrangements or transcriptions of standard jazz compositions, world, and folk music.

Prerequisites: MUSI 4771

MUSI 4872 CR-2**Piano Chamber Ensemble VIII**

Students will be placed in small ensembles for the study, preparation and performance of four-hand and eight-hand piano repertoire and works involving piano and different instrumental or vocal combinations. They will work with an assigned instrumental or vocal partner and will accompany that person in recital and at the final jury.

Prerequisites: MUSI 4772

MUSI 4873 CR-2**Percussion Ensemble VIII**

Students will study and perform repertoire for percussion instruments of both definite and indefinite pitch. They will also study selected rhythmic systems of world music cultures such as African drumming and Indonesian Gamelan.

NOTE: Both percussion and non-percussion majors may take this course.

Prerequisites: MUSI 4773

MUSI 4874 CR-2**Woodwind Ensemble VIII**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different woodwind instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger woodwind choirs. They will perform major works from the 400-year repertoire of the woodwind ensemble literature.

Prerequisites: MUSI 4774

MUSI 4875 CR-2**Brass Ensemble VIII**

Students will study, rehearse and perform original compositions and arrangements of repertoire for different brass instrument combinations. Students will, depending on enrolment and instrument type, study and perform in quartets, quintets, and larger brass choirs. They will perform major works from the 400-year repertoire of the brass ensemble literature.

Prerequisites: MUSI 4775

MUSI 4876 CR-2**Vocal Chamber Ensemble VIII: Madrigal to Jazz**

Students will study, rehearse and perform vocal repertoire in a variety of musical styles, ranging from Renaissance to the present. They will perform in concerts both on and off campus.

Note: Students will audition for the ensemble at the beginning of each semester.

Prerequisites: MUSI 4776 or successful audition

MUSI 4877 CR-2**Jazz Band VIII**

Students will continue to expand on improvisation skills and chart reading in an ensemble setting. They will perform selections from the standard jazz band repertoire. Students will perform in concert both on and off campus throughout the semester.

Prerequisites: MUSI 4777

MUSI 4878 CR-2**Jazz Combo VIII**

Students will continue to work on improvisation skills and chart reading in a small jazz combo setting. They will also prepare and perform selections from the standard jazz band repertoire. Students will perform in concert both on and off campus throughout the semester.

Prerequisites: MUSI 4778

MUSI 4879 CR-2**String Chamber Ensemble VIII**

Students will study, prepare and perform works for string duos, trios and/or quartets. Students may also work in mixed ensembles involving piano, woodwinds, brass, and/or guitar.

Prerequisites: MUSI 4779

MUSI 4880 CR-2**Opera Workshop Ensemble VIII**

Students will study, rehearse and perform staged solo, small ensemble and chorus repertoire from a variety of musical styles, including Opera, Oratorio, Musical Theatre and Operetta. Students will perform in concerts both on and off campus.

Note: Students will be required to perform in a variety of languages.

Prerequisites: MUSI 4780 or successful audition

MUSI 4881 CR-2**Kwantlen Chamber Singers VIII**

Students will study, rehearse and perform chamber choir repertoire in a variety of musical styles, ranging from Renaissance to the present day. They will audition for the ensemble at the beginning of each semester. Students will perform in concerts both on and off campus.

Note: Students may perform in a variety of languages.

Prerequisites: MUSI 4781 and successful audition

MUSI 4888 CR-2**Studio Pedagogy III**

Students will study teaching methods and explore material in a systematic manner for senior through advanced level private students. Students will examine different technical approaches and become familiar with suitable studio teaching material through directed reading, discussion, and practical assignments. Students may be required to perform selected repertoire in class.

Note: MUSI 3688, 4788, and 4888 (Studio Pedagogy I - III) are not sequential and may be taken in any order.

Prerequisites: 60 credits of 1100-level or higher coursework, including ENGL 1100

Co-requisites: MUSI 3586 MUSI 3586

Not Transferable

MUSI 4899 CR-3

Music Practicum

Students will participate in a practicum where they will integrate and apply theoretical/practical concepts from various courses. They will have an introduction to music in the community by observing various teaching/learning practices and assessment skills. Students will have opportunities in a variety of workplace settings to experience the daily and/or weekly approaches of musicians / conductors / teachers / administrators. They will observe and participate in the concept of music-making and arts education in a community environment. Students will also participate in class seminars to discuss and present issues arising from the practicum experience.

*Prerequisites: MUSI 3512 and (MUSI 3586 or MUSI 3686)
Not Transferable*

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NURSING (NRSRG)

NRSRG 1122 CR-3 (formerly NRSRG 1121)

Professional Growth 1: Introduction to the Profession of Nursing

Students will be introduced to the profession of nursing. They will explore the philosophy and concepts of the nursing program, the history of nursing, and the role of the nurse in health care, including Aboriginal health care. They will be introduced to the processes of inquiry, critical thinking, critical reflection and writing, and to the relationship between theory, practice, and research.

*Co-requisites: NRSRG 1131 and NRSRG 1142 and BIOL 1160
NRSRG 1131 and NRSRG 1142 and BIOL 1160
Transferable (refer to transfer guide)*

NRSRG 1131 CR-3

Self and Others 1: Self-Awareness and Interpersonal Communications

Students will explore how personal beliefs, values, experiences, perceptions and positionality relate to and impact on personal development and caring experiences with self and others (individuals, families and groups). They will examine theories and processes of caring, relational identity development and interpersonal relational communications drawn from nursing, psychology and communication frameworks. Students will examine the evolving health paradigms, including aboriginal health. They will reflect on how the intersection between caring and relational communications provides the context for health and healing.

*Co-requisites: NRSRG 1122 and NRSRG 1142 and BIOL 1160
NRSRG 1122 and NRSRG 1142 and BIOL 1160
Not Transferable*

NRSRG 1142 CR-5 (formerly NRSRG 1141)

Nursing Practice 1

Students will have an introduction to nursing practice with opportunities to learn basic nursing and assessment skills. They will have opportunities to experience nurses' work in a variety of settings. Students will develop a professional relationship with a family guided by theoretical perspectives of the curriculum. They will explore the importance of relationship and interconnectedness in Aboriginal culture, individuals and families.

*Co-requisites: NRSRG 1122 and NRSRG 1131 and BIOL 1160
NRSRG 1122 and NRSRG 1131 and BIOL 1160*

NRSRG 1211 CR-3

Health: Societal Perspectives, Health and Healing

Students will explore their own meaning of health, and the personal meaning of health for healthy families and families with chronic health challenges. They will explore health assessments, illness prevention, health promotion, health maintenance and chronic health challenges. Students will examine theoretical and conceptual frameworks of health in relation to self, including Aboriginal and other cultural frameworks. They will have an opportunity to identify personal resources and challenges that impact health by reflecting on personal experiences. Students will recognize that adopting health-promoting behaviours involves a complex personal change process.

*Prerequisites: NRSRG 1122 and NRSRG 1131 and NRSRG 1142 and BIOL 1160 and a Semester 1 cumulative GPA of 2.33
Co-requisites: NRSRG 1243 and BIOL 1260 NRSRG 1243 and BIOL 1260
Not Transferable*

NRSRG 1243 CR-11 (formerly NRSRG 1242)

Nursing Practice 2

Students will develop caring relationships with individuals and families experiencing chronic health challenges. They will reflect upon the complexities of caring for families with chronic health challenges and develop sensitivity toward the experience of health as perceived by the individual and/or family. Students will apply theory to practice in the home and community agencies, as well as practice psychomotor skills in acute care facilities.

*Prerequisites: NRSRG 1122 and NRSRG 1131 and NRSRG 1142 and BIOL 1160 and a Semester 1 cumulative GPA of 2.33
Co-requisites: NRSRG 1211 and BIOL 1260 NRSRG 1211 and BIOL 1260
Not Transferable*

NRSRG 2111 CR-2

Healing 1: Episodic Health Challenges

Students will explore people's experience with healing with particular reference to episodic health challenges. They will integrate theory and concepts related to healing. Students will develop a repertoire of nursing practice skills, including critical thinking, clinical decision-making, interpersonal, and organizational skills to promote healing.

*Prerequisites: NRSRG 1350 and ENGL 1100 or 1110 and a semester GPA of 2.42
Co-requisites: NRSRG 2141 and 2160 NRSRG 2141 and 2160*

NRSRG 2112 CR-2 (formerly NRSRG 2111)

Nursing Applications 1: Complex Episodic Health Challenges

Students will explore and develop a repertoire of nursing applications in relation to people's experience with healing and complex episodic health challenges. They will begin to integrate knowledge from clients' lived experiences (individuals and families), nursing theories and program philosophy, professional role, pathophysiology, diagnostics, and pharmacology to gain a broader view related to complex episodic health challenges.

Students will apply higher order thinking, clinical decision-making, interpersonal, and organizational skills in a theoretical context.

*Prerequisites: NRSRG 1211 and [NRSRG 1242 or NRSRG 1243] and BIOL 1260 and a semester 2 cumulative GPA of 2.33
Co-requisites: NRSRG 2142 and NRSRG 2160 and three undergraduate elective credit NRSRG 2142 and NRSRG 2160 and three undergraduate elective credit
Not Transferable*

NRSG 2141 CR-10
Nursing Practice 3

Students will have nursing practice experiences designed to develop caring relationships with people experiencing episodic health challenges. They will care for individuals and families in a variety of acute care settings. Students will also have opportunities to explore the transition for families between hospital and home.

Prerequisites: NRSG 1350 and ENGL 1100 or 1110 and a semester GPA of 2.42

NRSG 2142 CR-12 (formerly NRSG 2141)
Nursing Practice 3

Students will engage in nursing practice experiences focusing on increasingly complex episodic health challenges. They will continue to integrate theoretical knowledge to practice and to refine their clinical decision-making abilities. Students will have opportunities to explore and use the expertise of health team members in a variety of acute care settings. They will also explore the transitional experience for clients and families between hospital and home.

Prerequisites: NRSG 1211 and [NRSG 1242 or NRSG 1243] and BIOL 1260 with semester 2 GPA of 2.33

Co-requisites: NRSG 2112 and NRSG 2160 and three undergraduate elective credits NRSG 2112 and NRSG 2160 and three undergraduate elective credits

NRSG 2160 CR-2
Health Science 3: Pathophysiology 1

Students will explore pathophysiology in relation to homeostasis and pathogenesis. They will examine the topics of genetic and congenital defects, cancer and pain, and alterations in endocrine function, fluid/electrolyte and acid base balance, blood flow, immune response, hematological function, cardiac function, and respiratory function.

Prerequisites: [NRSG 1210 and NRSG 1231 and NRSG 1241 and NRSG 1350 and BIOL 1260] or [NRSG 1211 and (NRSG 1242 or NRSG 1243) and BIOL 1260] and a Semester 2 cumulative GPA of 2.33

Co-requisites: [NRSG 2111 and NRSG 2141] or [NRSG 2112 and NRSG 2142] and 3 undergraduate elective credits [NRSG 2111 and NRSG 2141] or [NRSG 2112 and NRSG 2142] and 3 undergraduate elective credits

NRSG 2211 CR-2
Healing Workshop 2: Complex Episodic Health Challenges

Students will explore people's experience with healing related to a variety of complex episodic health challenges. They will continue to develop their repertoire of nursing skills including critical thinking, clinical decision-making, interpersonal, and organizational skills to promote healing. Students will increase their self-direction in planning nursing care.

Prerequisites: NRSG 2111 & 2141 and a semester GPA of 2.42
Co-requisites: NRSG 2241 & 2260 NRSG 2241 & 2260

NRSG 2212 CR-2 (formerly NRSG 2211)
Nursing Applications 2: Complex Episodic Health Challenges

Students will continue to explore and develop a repertoire of nursing applications in relation to people's experience with healing and complex episodic health challenges. They will continue to integrate knowledge from clients' lived experiences (individuals and families), nursing theories, nurses work, pathophysiology, diagnostics, and pharmacology to gain a broader view related to complex episodic health challenges. Students will further develop the use higher order thinking, clinical decision-making, interpersonal, and organizational skills.

Prerequisites: NRSG 2112 and NRSG 2142 and NRSG 2160 and ENGL 12XX and three undergraduate elective credits and a Semester 3 cumulative GPA of 2.33

Co-requisites: NRSG 2220 and NRSG 2242 and NRSG 2260 NRSG 2220 and NRSG 2242 and NRSG 2260
Not Transferable

NRSG 2220 CR-2
Professional Growth 2: The Nursing Profession

Students will examine and explore the professional practice of nursing, building on the philosophy and concepts examined in Professional Growth 1. They will explore how nursing practice is guided by Professional Standards, Code of Ethics, Scope of Practice, as well as provincial and federal legislation. Students will explore the power and politics associated with leadership roles in nursing and healthcare organizations.

Prerequisites: NRSG 2112 and NRSG 2142 and NRSG 2160 and ENGL 12XX and any 3.0 credit elective with a semester 3 cumulative GPA of 2.33

Co-requisites: NRSG 2212 and NRSG 2242 and NRSG 2260 NRSG 2212 and NRSG 2242 and NRSG 2260
Not Transferable

NRSG 2241 CR-10
Nursing Practice 4

Students will have nursing practice experiences focusing on increasingly complex episodic health challenges. They will refine their clinical decision-making, and will have opportunities to explore and use the expertise of health team members in a variety of acute care settings. Students will also explore the transition for families, including generative families, between hospital and home.

Prerequisites: ENGL 12XX and NRSG 2111 and 2141 with a semester GPA of 2.42

Co-requisites: NRSG 2211 and 2260 NRSG 2211 and 2260

NRSG 2242 CR-12 (formerly NRSG 2241)
Nursing Practice 4

Students will have nursing practice experiences focusing on increasingly complex episodic health challenges. They will refine their clinical decision-making, and will have opportunities to explore and use the expertise of health team members in a variety of acute care settings. Students will also explore the transition for families, including generative families, between hospital and home.

Prerequisites: NRSG 2112 and NRSG 2142 and NRSG 2160 and ENGL 12XX and 3 undergraduate elective credits and a semester 3 cumulative GPA of 2.33

Co-requisites: NRSG 2212 and NRSG 2220 and NRSG 2260 NRSG 2212 and NRSG 2220 and NRSG 2260

NRSG 2260 CR-2**Health Science 4: Pathophysiology 2**

Students will build on the knowledge they acquired in NRSG 2160: Health Science 3: Pathophysiology 1. They will examine the topics of adaptations and alterations in endocrine, gastrointestinal, renal, neural, skeletal, musculotendinous, integumentary, reproductive, and integrated body function

Prerequisites: [NRSG 2111 and NRSG 2141 and NRSG 2160] or [NRSG 2112 and NRSG 2142 and NRSG 2160] and ENGL 12XX and 3 undergraduate elective credits and a semester 3 cumulative GPA of 2.33

Co-requisites: [NRSG 2211 and NRSG 2220 and NRSG 2241] or [NRSG 2212 and NRSG 2220 and NRSG 2242] [NRSG 2211 and NRSG 2220 and NRSG 2241] or [NRSG 2212 and NRSG 2220 and NRSG 2242]

NRSG 2350 CR-4.5**Consolidated Practice Experience 2**

Students will have experiences in acute care settings to consolidate learning from the first and second years of the program. They will develop caring relationships with individuals and families experiencing complex episodic health challenges.

Prerequisites: NRSG 2211 & NRSG 2241 & NRSG 2260 with a semester GPA of 2.42

NRSG 3111 CR-2**Health 3: Teaching and Learning for Prevention**

Students will examine a variety of teaching/learning theories, perspectives, and strategies that focus on health teaching for prevention and underlie meaningful interactions with individuals, families, and groups. They will explore and critique primary, secondary, and tertiary prevention programs and basic concepts of epidemiology. Students will also examine the nurse's role in prevention and the significance of interdisciplinary collaboration within a variety of contexts.

Prerequisites: NRSG 2350

NRSG 3130 CR-3 (formerly NRSG 1231)**Self and Others 2: Advanced Interpersonal Communications & Reflection on Practice**

Students will build upon theories and concepts from Self and Others 1. They will reflect on and enhance interpersonal relational communications and intervention strategies with individuals, families, groups, and the interdisciplinary team, including intercultural communication.

Prerequisites: (NRSG 2211 or NRSG 2212) and NRSG 2220 and (NRSG 2241 or NRSG 2242) and NRSG 2260 and a Semester 4 term GPA of 2.33 or higher

Not Transferable

NRSG 3141 CR-7.5 (formerly NRSG 3140)**Nursing Practice 5**

Students will have nursing practice experiences primarily in acute care settings and focusing on prevention. They will also broaden their experiences within interdisciplinary teams and integrate teaching and learning concepts in their practice.

Prerequisites: NRSG 2350

Co-requisites: NRSG 3111

NRSG 3142 CR-4**Nursing Practice 5: Mental Health**

Students will engage in nursing practice experiences in mental health settings, with an emphasis on healing, preventative health, and health promotion. They will broaden their experiences within interdisciplinary teams and have opportunities to demonstrate leadership skills. Students will examine the significance of ethics when engaging in caring relations that promote health and healing for clients with mental health challenges.

Note: This course includes a weekly seminar

Prerequisites: (NRSG 2350 or NRSG 2242) and (NRSG 2211 or NRSG 2212) and NRSG 2220 and NRSG 2260 and a Semester 4 term GPA of 2.33 or higher

Co-requisites: NRSG 3161 NRSG 3161

Not Transferable

NRSG 3143 CR-4**Nursing Practice 5: Child and Family Health**

Students will engage in nursing practice experiences in pediatric care settings with an emphasis on healing, preventative health and health promotion. They will broaden their experiences within interdisciplinary teams and have opportunities to demonstrate leadership skills. Students will examine the significance of ethics when engaging in caring relations that promote health and healing in the child and family.

Note: This course includes a weekly seminar.

Prerequisites: (NRSG 2350 or NRSG 2242) and (NRSG 2211 or NRSG 2212) and NRSG 2220 and NRSG 2260 and a Semester 4 term GPA of 2.33 or higher

Co-requisites: NRSG 3161 NRSG 3161

NRSG 3160 CR-3**Health Science 5: Advanced Health Challenges**

Students will build on their nursing knowledge and understanding of health and natural sciences in relation to complex episodic and chronic health challenges. They will explore issues and concepts related to caring for people with mental illnesses. Students will explore community health nursing practice and its role in health promotion, prevention, and rehabilitation. They will focus on current topics and emerging knowledge related to a variety of health care contexts.

Prerequisites: NRSG 2350

NRSG 3161 CR-3**Health Sciences 5: Health Challenges for Children and Mental Health Issues Across the Lifespan**

Students will build on their nursing knowledge and understanding of healing, preventative health and health promotion in relation to caring for children and families, and clients with mental health challenges across the lifespan. They will explore issues, concepts and current topics related to complex episodic and chronic health challenges.

Prerequisites: NRSG 2350 or NRSG 2242

Co-requisites: NRSG 3142 and NRSG 3143 NRSG 3142 and NRSG 3143

NRSG 3190 CR-4.5**Access for Registered Nurses**

Students will become acquainted with concepts and theories presented in the first 5 semesters of the Collaborative Nursing Program (CNP). They will apply ethical, feminist, and critical social theories and a phenomenological perspective when exploring self, others, health, and healing. Students will use their own practice experiences to make meaning of conceptual frameworks.

NRSG 3211 CR-3**Health 4: Health Promotion and Community Empowerment**

Students will focus on community as client from a health promotion perspective. They will explore the principles of health promotion, including social determinants of health, participation, capacity, and empowerment. Students will analyze community development as a pattern for health promotion and nursing practice.

Prerequisites: NRSG 3111 and 3141 and 3160 and PHIL 3010

NRSG 3212 CR-3 (formerly NRSG 3211)**Health 2: Health Promotion and Community Empowerment**

Students will focus on community as client from a health promotion perspective. They will explore community empowerment including concepts such as; primary health care, levels of prevention, population health, health prerequisites and determinants, capacity, assets, social justice and empowerment. Students will analyze community development as a philosophy and a process for health promotion with a focus on local, national and global health care issues.

Prerequisites: [NRSG 3141 or (NRSG 3142 and NRSG 3143)] and NRSG 3161 and (NRSG 3231 or NRSG 3130) and PHIL 3010 and a Semester 5 term GPA of 2.33 or higher.

Co-requisites: (NRSG 3244 or NRSG 3241) (NRSG 3244 or NRSG 3241)

Not Transferable

NRSG 3213 CR-3**Public Health & Maternity Nursing Theory**

Students will be introduced to the theory underlying Public Health and Maternity Nursing practice. They will explore the historical evolution and current practices for these two fields of nursing. Students will focus on concepts of health promotion/empowerment and relational caring as they relate to maternal-child, family, community and population health.

Prerequisites: NRSG 3142, 3143, 3130, PHIL 3010 and (NRSG 3160 or 3161) and a Semester 5 cumulative GPA of a minimum of 2.33

Co-requisites: NRSG 3243 and NRSG 3244 NRSG 3243 and NRSG 3244

Not Transferable

NRSG 3220 CR-3**Professional Growth 4: Research**

Students will enhance their abilities to participate in the research process through critically reflecting on various research methodologies. They will develop their abilities to comprehend, critique, and utilize research. Students will experience ways to transform personal inquisitiveness into a process of posing, exploring and answering researchable questions. They will explore ways to apply research findings to promote evidence-based practice.

Prerequisites: NRSG 3111 and 3141 and 3160 and PHIL 3010

NRSG 3225 CR-3**Professional Growth 3: Nursing Inquiry**

Students will study various modes of nursing inquiry, including scientific, philosophical, and historical modes of inquiry. They will explore the relationships between practice, theory and research and discuss past and present contributions to nursing knowledge.

Prerequisites: NRSG 3111 and 3141 and 3160 and PHIL 3010

NRSG 3231 CR-3**Self and Others 3: Reflection on Caring Practice**

Students will build upon theories and concepts from Self and Others 1 and 2. They will focus on enhancing their relational practice with individuals, families, and communities.

Prerequisites: NRSG 3111 and 3141 and 3160 and PHIL 3010

NRSG 3241 CR-4.5 (formerly NRSG 3240)**Nursing Practice 6**

Students will work with a community on an identified health issue. They will develop caring relationships with families, groups, communities, and/or populations with an emphasis on health promotion and community empowerment.

Prerequisites: NRSG 3111 and 3141 and 3160 and PHIL 3010

Co-requisites: NRSG 3211 NRSG 3211

NRSG 3242 CR-2**Nursing Practice 6: Public Health**

Students will explore public health nursing practice with a focus on concepts related to health promotion, disease prevention, harm reduction, and health surveillance. They will work collaboratively with public health nurses to explore community-based care for child-bearing families and vulnerable populations, such as youth, Aboriginals, immigrants, and homeless people. Students will learn to work in partnership with clients and the health care team. They will focus on client as family, group/aggregate, population, and/or community.

Note: This is a practice course with a weekly seminar.

Prerequisites: NRSG 3142, 3143, 3130, (3160 or 3161) and PHIL 3010, and a Semester 5 term GPA of 2.3 or higher

Co-requisites: NRSG 3213 and NRSG 3243 NRSG 3213 and NRSG 3243

Not Transferable

NRSG 3243 CR-3**Nursing Practice 6: Maternal Child**

Students will engage in nursing practice experiences, caring for mothers and babies and their families during the perinatal period. They will develop caring relationships with childbearing families while collaborating with the interdisciplinary team to provide evidence-informed, health promoting/empowering and culturally-safe care.

Note: This is a practice course with a weekly seminar.

Prerequisites: NRSG 3142, 3143, 3130, 3161 and PHIL 3010, and (NRSG 3160 or 3161) and a Semester 5 term GPA of 2.33 or higher

Co-requisites: NRSG 3213, NRSG 3242 NRSG 3213, NRSG 3242

Not Transferable

NRSG 3244 CR-6 (formerly NRSG 3241)**Nursing Practice 6: Community Development**

Students will work with a community on an identified health issue enabling them to apply principles of community development and capacity building. They will broaden their experiences working with diverse groups and communities to promote health with an emphasis on empowerment. Students will apply community development philosophy and processes recognizing the impact of the social determinants of health.

Note: This is a practice course with a weekly seminar.

Prerequisites: NRSG 3142, 3143, 3130 and (NRSG 3161 or NRSG 3160) and PHIL 3010 and a Semester 5 term GPA of 2.33 or higher

Co-requisites: NRSG 3212 NRSG 3212

Not Transferable

NRSG 3350 CR-4.5**Consolidated Nursing Practice 1**

Students will have opportunities to integrate learning from previous semesters and advance their professional nursing practice. They will consolidate learning and enhance their clinical decision-making skills in a variety of settings. Students will have opportunities to provide care for clients within complex episodic and/or chronic health challenges, and will develop independence in their nursing practice.

Note: This is a 5 week fulltime preceptorship course.

Prerequisites: (NRSG 3211 or NRSG 3212) and NRSG 3213 and (NRSG 3241 or 3244) and (NRSG 3242 and NRSG 3243) with a Semester 6 term GPA of 2.33 or higher

Not Transferable

NRSG 3355 CR-4.5**Consolidated Practice Experience 4**

Students will have opportunities to integrate learning from previous semesters and to advance their professional nursing practice. They will consolidate learning and advance their clinical decision-making skills in a variety of community and home care settings.

Prerequisites: NRSG 3211 and 3220 and 3225 and 3231 and 3241, and a cumulative Collaborative Nursing Program GPA of 2.42

NRSG 4111 CR-3**Professional Growth 5: Nurses Influencing Change**

Students will explore ways to influence and create change for the promotion of societal health. They will examine the culture, power, and politics of leadership and organizations. Students will critique selected strategies for enhancing professional influence on the evolving Canadian health care system.

Prerequisites: NRSG 3350 and 3355, and a cumulative program CPA of 2.42

NRSG 4112 CR-3 (formerly NRSG 4111)**Health 4: Influencing Change**

Students will explore ways to influence and create change for the promotion of societal health. They will examine the culture, power, and politics of leadership and organizations. Students will critique selected strategies for enhancing professional influence on the evolving Canadian health care system, and society.

Prerequisites: (NRSG 3350 and NRSG 3355), and a Semester 6 term GPA of 2.33 or higher

Co-requisites: NRSG 4142

Not Transferable

NRSG 4120 CR-3**Qualitative and Quantitative Analysis**

Students will be given a grounding in the techniques commonly used in the analysis of both quantitative and qualitative data. They will engage in the process of qualitative analysis through examining qualitative data, data coding, and thematic construction. Students will also examine a range of descriptive and inferential statistical approaches to quantitative analysis using a computer-based system.

Prerequisites: NRSG 3220 and 3225

NRSG 4121 CR-3 (formerly NRSG 3225)**Professional Growth 3: Inquiry and Research Methods**

Students will examine concepts and theories related to inquiry and research in professional nursing practice. Students will enhance their abilities to participate in inquiry and the research process through critical reflection of various qualitative and quantitative research methodologies. They will develop their abilities to comprehend, critique, and utilize data, using appropriate techniques. Students will gain practical knowledge of the many ways in which qualitative and quantitative research techniques provide a contextual and in-depth understanding of people's ways of knowing and experiencing. They will explore ways to apply research findings to guide reflective evidence-informed nursing practice.

Note: This course is partially online.

Prerequisites: NRSG 3350 and a cumulative semester 6 GPA of 2.33 or higher, or NRSG 3190

Co-requisites: NRSG 4112, NRSG 4122, NRSG 4142

Not Transferable

NRSG 4122 CR-3 (formerly NRSG 4120)**Professional Growth 4: Qualitative & Quantitative Analysis**

Students will be introduced to the techniques commonly used in the analysis of quantitative and qualitative data, using a variety of data analysis software. They will engage in the process of qualitative analysis by collecting, examining and coding qualitative data. Students will also examine and apply a variety of descriptive and inferential statistical approaches to quantitative analysis.

Prerequisites: NRSG 3350 and a semester 6 term GPA of 2.33 or higher, or NRSG 3190

Co-requisites: NRSG 4142, NRSG 4112, NRSG 4121

NRSG 4141 CR-4.5**Nursing Practice 7**

Students will engage in activities to influence change for the promotion of societal health within the Canadian health care system. They will have opportunities to work collaboratively with interdisciplinary and multi-sectoral groups. Students will also use this practice experience for personal growth in their practice as professional nurses.

Prerequisites: NRSG 3211 and 3241 and 3350 and 3355, and a cumulative program GPA of 2.42

NRSG 4142 CR-6 (formerly NRSG 4141)**Nursing Practice 7: Change**

Students will engage in activities to influence change for the promotion of societal health within the Canadian health care system. They will have opportunities to work collaboratively with interdisciplinary and multi-sectoral groups. Students demonstrate leadership and personal and professional growth in their practice as nurses in public and non-governmental non-profit organizational settings.

Note: This is a practice course with a seminar.

Prerequisites: NRSG 3350 and Semester 6 term GPA of 2.33 or higher, or NRSG 3190

Co-requisites: NRSG 4112 NRSG 4112

Not Transferable

NRSG 4211 CR-3**Health/Professional Growth: Transitions**

Students will strengthen their knowledge and understanding of the theoretical foundations of nursing practice in a variety of settings. They will explore and critique nurses' roles in health-promoting practice, such as in public health, community development and involvement with people with complex health challenges. Students will also focus on issues related to the transition from student to practicing nurse.

Prerequisites: NRSG 4111 and 4120 and 4141

NRSG 4241 CR-7 (formerly NRSG 4240)**Nursing Practice 8**

Students will develop their practice and enhance their knowledge within a specific area such as a particular practice setting, a certain client population, or a specific health challenges. They will have opportunities to develop and advance their practice, gaining increasing competence and confidence in preparation for professional nursing practice. Students will also explore transitions in the health care system and in the workplace that affect nurses.

Prerequisites: NRSG 4211

NRSG 4242 CR-8.5**Consolidated Nursing Practice 2**

Students will integrate learning from throughout the program and advance their professional nursing practice in a specific practice setting. They will increase competence and confidence across the professional and practice standards of nursing in preparation for their role as a beginning Registered Nurse.

Note: This is a 10 week full time preceptorship experience.

Prerequisites: Cumulative Program GPA of 2.33 or higher

NRSG 5100 CR-2**Program Orientation: Introduction to Nursing**

Students will participate in a two-week on-campus residency that includes an orientation to the program, orientation to online learning, and an introduction to case-based learning. They will be introduced to nursing skills related to physical assessment, professional nursing practice standards and essentials of Canada's health care system. They will begin to practice relational engagement, critical thinking and a variety of clinical decision-making models, including aboriginal frameworks. Students will apply knowledge of physical assessment, critical thinking and relational engagement in case studies and in the simulation lab. They will begin to develop a learning ePortfolio.

Not Transferable

NRSG 5110 CR-4**Practice and Praxis 1: Episodic Health Challenges**

Students will engage in a relational process with individuals and families experiencing episodic health challenges in the home, community, agencies and care facilities. They will enhance their knowledge and develop awareness of and sensitivity to the experience of health perceived by individuals and families. Students will apply theoretical learning in practice settings and praxis seminars.

NOTE: Praxis is delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Not Transferable

NRSG 5120 CR-2**Relational Engagement 1**

Students will focus on their personal discovery of self, and self in mutual relational engagement with others. They will explore how personal beliefs, values, experiences, world views and perceptions relate to and impact personal development and caring experiences with self and others, such as individuals, families, and groups, within increasingly complex practice settings.

NOTE: Delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5110, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Not Transferable

NRSG 5130 CR-4**Health Promotion 1: Episodic Health Challenges**

Students will explore at an introductory level, from a health promotion perspective, people's experiences related to episodic health challenges and healing. They will build on nursing practice skills by discussing and critiquing client experiences. They will apply critical thinking, clinical decision-making, relational and organizational skills to promote healing.

NOTE: Delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5110, NRSG 5120, NRSG 5131, NRSG 5140, NRSG 5141

Not Transferable

NRSG 5131 CR-1**Health Promotion 2: Pharmacology 1**

Students will explore and apply fundamental principles of pharmacology with an emphasis on health promotion. They will explore the principles of safe and therapeutic medication administration. Students will consider the legal and ethical implications of safe medication management.

NOTE: Delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5140, NRSG 5141

Not Transferable

NRSG 5140 CR-1.5**Critical Inquiry 1: Quantitative Research**

Students will enhance their abilities to participate in the research process through critical reflection of various quantitative research methodologies. They will develop their abilities to comprehend, critique, and utilize quantitative research. Students will use statistical analysis and deductive reasoning. They will explore ways to apply research findings to promote evidence-based practice to support health, ecological well-being and sustainability.

NOTE: Delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5141

Not Transferable

NRSG 5141 CR-1.5**Critical Inquiry 2: Qualitative Research**

Students will enhance their abilities to participate in the research process through critical reflection of various qualitative research methodologies. They will develop their abilities to comprehend, critique, and utilize qualitative data, using appropriate techniques such as clustering and thematic analysis. Students will gain practical knowledge of the many ways in which qualitative research techniques provide a contextual and in-depth understanding of people's ways of knowing and experiencing. Students will explore ways to apply research findings to guide reflective evidence-informed nursing practice.

NOTE: Delivered fully online.

Prerequisites: NRSG 5100

Co-requisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140

Not Transferable

NRSG 5210 CR-4**Practice and Praxis 2: Older Adults**

Students will relationally engage with individuals and families experiencing chronic health challenges with a focus on older adults. They will reflect upon the complexities of caring for families with chronic health challenges. Students will enhance their knowledge and develop keen sensitivity toward the experience of health as perceived by individuals and their families. They will apply theoretical learning in practice settings and praxis seminars.

NOTE: This course is partially online.

Prerequisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Co-requisites: GNQU 1301, NRSG 5220, NRSG 5230, NRSG 5240, NRSG 5250

Not Transferable

NRSG 5220 CR-2**Relational Engagement 2**

Students will develop a conceptual and experiential understanding of relational engagement and caring practice when working with older adults and people experiencing mental health challenges. They will enhance their awareness and understanding of the narratives, values, and intents influencing their relationships with clients and colleagues, and further develop their capacity for relational caring practices.

NOTE: Delivered fully online.

Prerequisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Co-requisites: NRSG 5210, GNQU 1301, NRSG 5230, NRSG 5240, NRSG 5250

Not Transferable

NRSG 5230 CR-1**Health Promotion 4: Pharmacology 2**

Students will review and apply fundamental principles of pharmacology related to mental health and aging with a consistent emphasis on health promotion through medication monitoring and client education. They will explore the use of these principles in practice, including relevant legislation, drug action and interaction, routes of administration, principles of medication administration, and calculation of dosages for drugs used, with a focus on routes other than oral. Students will become familiar with the generic and trade names of drugs prescribed for common health challenges related to mental health and aging.

NOTE: Delivered fully online.

Prerequisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Co-requisites: NRSG 5210, GNQU 1301, NRSG 5220, NRSG 5240, NRSG 5250

Not Transferable

NRSG 5240 CR-2**Critical Inquiry 3: Data Analysis**

Students will be introduced to the techniques commonly used in the analysis of quantitative and qualitative data, using a variety of data analysis software. They will engage in the process of qualitative analysis by collecting, examining and coding qualitative data, using thematic analysis. Students will also examine a variety of descriptive and inferential statistical approaches to quantitative analysis.

NOTE: Delivered fully online.

Prerequisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Co-requisites: NRSG 5210, GNQU 1301, NRSG 5220, NRSG 5230, NRSG 5250

Not Transferable

NRSG 5250 CR-2**Professional Role 1**

Students will be introduced to the complexities of professional nursing roles. They will explore the philosophy and foundational concepts of the nursing program, the history of the nursing profession, and nursing roles within the Canadian health care system. Students will explore how nursing practice is guided by the Professional Standards, Code of Ethics, Scope of Practice, other Practice Standards, as well as provincial and federal legislation. Students will explore the relationship between theory, practice, and research and the interdisciplinary aspects of the nurse's role. NOTE: Delivered fully online.

Prerequisites: NRSG 5110, NRSG 5120, NRSG 5130, NRSG 5131, NRSG 5140, NRSG 5141

Co-requisites: GNQU 1301, NRSG 5210, NRSG 5220, NRSG 5230, NRSG 5240 GNQU 1301, NRSG 5210, NRSG 5220, NRSG 5230, NRSG 5240
Not Transferable

NRSG 5300 CR-2**Program Orientation: Access for BPN graduates**

Students will participate in a two week on-campus residency that includes an orientation to the program and the consolidation residency. They will review the processes of case-based and online learning. Students will review nursing skills related to physical assessment, professional nursing practice standards and the essentials of Canada's health care system. They will incorporate the principles of relational engagement, higher order thinking and clinical decision-making models, including aboriginal frameworks. Students will apply this knowledge to case studies and in the simulation lab. They will begin to develop a learning ePortfolio.

Prerequisites: Kwantlen Polytechnic University Bachelor of Psychiatric Nursing graduate admitted to the Bachelor of Science in Nursing – Post Baccalaureate program.

Co-requisites: NRSG 5310 NRSG 5310
Not Transferable

NRSG 5310 CR-18**Practice and Praxis 3: Capstone 1**

Students will relationally engage in client-centered care for individuals and families within their home and acute care settings. They will develop an understanding of the experience of health challenges and healing practices that support client-directed care. Students will participate in a two week residency at Kwantlen for labs and simulation, followed by full-time practice for ten weeks.

Prerequisites: GNQU 1301, NRSG 5210, NRSG 5220, NRSG 5230, NRSG 5240 and NRSG 5250 or a Kwantlen Polytechnic University Bachelor of Psychiatric Nursing graduate admitted to the Bachelor of Science in Nursing Post Baccalaureate program.
Not Transferable

NRSG 5410 CR-5**Practice and Praxis 4: The experience of nursing of families**

Students will relationally engage with individuals and families experiencing health challenges, focusing on generative families and pediatrics. They will reflect upon the complexities of caring for families with health challenges and develop sensitivity toward the experience of health as perceived by the individual/family. Students will apply theoretical learning to practice placements and praxis seminars.

NOTE: Praxis seminars are fully online.

Prerequisites: NRSG 5310

Co-requisites: NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321 NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321
Not Transferable

NRSG 5420 CR-1**Relational Engagement 3: Family Context**

Students will further develop a conceptual and experiential understanding of the relational nature of caring practice within families, focusing on pediatrics and generative families. They will enhance their awareness and understanding of the narratives, values, and intents influencing their relationships with clients and their families, and will enhance their capacity for relational caring practice. NOTE: Delivered fully online.

Prerequisites: NRSG 5310

Co-requisites: NRSG 5410, NRSG 5450, GNQU 1309, GNQU 1321 NRSG 5410, NRSG 5450, GNQU 1309, GNQU 1321
Not Transferable

NRSG 5450 CR-1**Professional Role 2: Teaching and Learning**

Students will examine a variety of teaching and learning theories, perspectives, and strategies that underlie meaningful relational interactions with individuals, families, and groups. They will explore the influence of personal meaning, beliefs, and values on teaching and learning processes from the perspective of both teacher and learner. Students will participate in teaching and learning encounters with a focus on health education, epidemiology and prevention. NOTE: Delivered fully online.

Prerequisites: NRSG 5310

Co-requisites: NRSG 5410, NRSG 5420, GNQU 1309, GNQU 1321 NRSG 5410, NRSG 5420, GNQU 1309, GNQU 1321
Not Transferable

NRSG 5510 CR-5**Practice and Praxis 5: Community Context**

Students will develop caring, relationally engaged partnerships with community agencies with a focus on health promotion, capacity building, and community development. They will reflect upon the complexities of community health and development. Students will apply theoretical learning related to empowerment, participatory action, cultural safety, cultural competence, change agency, and project planning in practice placements and praxis seminars. NOTE: Praxis is delivered fully online.

Prerequisites: NRSG 5410, NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321

Co-requisites: NRSG 5520, NRSG 5530, NRSG 5540, NRSG 5541 NRSG 5520, NRSG 5530, NRSG 5540, NRSG 5541
Not Transferable

NRSG 5520 CR-2**Relational Engagement 4: Community**

Students will develop a conceptual and experiential understanding of relational engagement within the context of community. They will enhance their awareness and understanding of the narratives, values, and intents influencing their relationships with community groups, and will enhance their capacity for relational caring practices. NOTE: Delivered fully online.

Prerequisites: NRSG 5410, NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321

Co-requisites: NRSG 5510, NRSG 5530, NRSG 5540, NRSG 5541 NRSG 5510, NRSG 5530, NRSG 5540, NRSG 5541
Not Transferable

NRSG 5530 CR-2**Health Promotion 7: Community Context**

Students will explore the concepts of primary, secondary, and tertiary prevention in the context of Canadian community health. They will focus on a comparative analysis of primary health care, prevention, and health promotion and examine the roles of nurses within the community. Students will examine the significance of interdisciplinary collaboration in working with community health issues. They will analyze social determinants of health, environmental health, and the impacts these have on the health and well-being of Canadians. Students will explore community development and change agency theories to improve community health with a focus on Aboriginal community dynamics. NOTE: Delivered fully online.

Prerequisites: NRSG 5410, NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321

Co-requisites: NRSG 5510, NRSG 5520, NRSG 5540, NRSG 5541 NRSG 5510, NRSG 5520, NRSG 5540, NRSG 5541
Not Transferable

NRSG 5540 CR-2**Critical Inquiry 4: Nursing Theories**

Students will examine concepts and theories related to nursing science and practice, health and well-being. They will apply ethical, feminist, and critical theories and a phenomenological perspective when exploring the nursing profession, health, and healing. Students will use their own practice experiences to make meaning of conceptual frameworks and nursing theories. They will explore the process of concept development and synthesis and the genesis of theory development. Students will examine the central tenets of Aboriginal traditional knowledge and compare them to the ontology, epistemology, and methodology of theory development in western knowledge. NOTE: Delivered fully online.

Prerequisites: NRSG 5410, NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321

Co-requisites: NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5541 NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5541
Not Transferable

NRSG 5541 CR-2**Critical Inquiry 5: Health Care and Bioethics**

Students will develop a fundamental understanding of ethical theory applied to cases in bioethics and health care. They will examine ethical approaches as tools for generating and evaluating informed decisions and fundamental rights about ethical issues in healthcare. Students will discuss case studies from a variety of disciplines in the context of exploring general moral principles and their applications within health care. Students will apply a phenomenological perspective to the examination of ethical issues within health care and society. They will explore Aboriginal ethical philosophy such as relatedness, generational responsibility, and holistic and communal decision-making. NOTE: Delivered fully online.

Prerequisites: NRSG 5410, NRSG 5420, NRSG 5450, GNQU 1309, GNQU 1321

Co-requisites: NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5540 NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5540
Not Transferable

NRSG 5610 CR-5**Practice and Praxis 6: Global Context: Capstone 2**

Students will relationally engage with individuals, families or groups with a focus on primary health care and global health. They will reflect upon the complexities of community health and development in a global context. They will explore travel nursing, international nursing, and the disparities in health care across the globe and on a local level. Students will apply theoretical learning in practice placements and online praxis seminars. NOTE: Praxis is delivered fully online.

Prerequisites: NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5540, NRSG 5541

Co-requisites: NRSG 5620, NRSG 5650 NRSG 5620, NRSG 5650
Not Transferable

NRSG 5620 CR-2**Relational Engagement 5: Global Context**

Students will develop a conceptual and experiential understanding of relational engagement and caring practice with a focus on the global community as client from a health promotion perspective. They will explore the principles of health promotion, including social determinants of health, participation, capacity, and empowerment in a global context. Students will analyze community development as a pattern for health promotion and global nursing practice. They will explore professional issues necessary for transition to the transcultural and international workplace, including social, political, and regulatory issues central to nursing practice.

NOTE: Delivered fully online.

Prerequisites: NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5540, NRSG 5541

Co-requisites: NRSG 5610, NRSG 5650 NRSG 5610, NRSG 5650
Not Transferable

NRSG 5650 CR-2

Professional Role 3: Health Care Leadership

Students will explore leadership roles in nursing and health care within practice, education, research, and administration. They will explore ways to influence and create change for the promotion of societal health and for optimal workplace quality. Students will examine the culture, power, and politics of leadership within health and social organizations. They will critique selected strategies for enhancing professional influence on the evolving Canadian health care system, and critically evaluate the role of the nurse as they transition into the graduate role.

NOTE: Delivered fully online.

Prerequisites: NRSG 5510, NRSG 5520, NRSG 5530, NRSG 5540, NRSG 5541

Co-requisites: NRSG 5610, NRSG 5620 NRSG 5610, NRSG 5620

Not Transferable

NRSG 5710 CR-10

Practice and Praxis 7: Practice Consolidation: Capstone 3

Students will relationally engage with individuals and families or groups within acute care or community practice settings to consolidate their practice knowledge, skills, and competencies. They will synthesize practice, theory, insights and experiences from all other courses in the program and apply these to their nursing practice. Students will apply theoretical learning in practice placements and online praxis seminars.

NOTE: Praxis is delivered fully online.

Prerequisites: NRSG 5610, NRSG 5620, NRSG 5650

Not Transferable

P

PARTSPERSON (PRTS)

PRTS 1100 CR-2

Parts Trade Introduction and Safety

Students will be introduced to the parts trade through a variety of information including modules and videos. They will complete practical assignments working on the parts and service counter. Students will use a variety of measuring tools and techniques to perform accurate measurements. They will identify and select mechanics' air and hand tools for use by the shop technicians. Students will complete a computer-based on-line program for Workplace Hazardous Materials Information Systems (WHMIS).

PRTS 1110 CR-3

Warehousing Tasks & Parts Catalogues

Students will learn to identify and differentiate between different kinds of warehouse systems. They will set up a mini warehouse and stock items based on two types of stocking procedures. Students will become familiar with the many different catalogue systems available, and will be able to locate accurate part numbers for a variety of applications. Students will complete an assignment on the parts and service counter of approximately one week.

PRTS 1120 CR-4

Counter Duties and Basic Vehicular Systems

Students will learn the principles of good inventory control and will perform inventory counts. They will complete work orders and parts sales invoices. Students will perform price calculations including chain discounts, mark-ups, and pricing structures. They will be introduced to basic engine theory and operation. Students will complete an assignment on the parts and service counter of approximately one week in length.

PRTS 1130 CR-3

Mechanical Parts Introduction

Students will become familiar with the construction and operation of engine belts, hoses, filters, bearings, and batteries. They will learn to select the correct belt, hose, filter, bearing, or battery for a specific application from a variety of parts catalogues. Students will learn the requirements for storage of seals and gaskets. They will study the application and operation of a variety of automotive service technician's specialty tools including pullers, cooling system tools, brake tools, and air tools. Students will complete an assignment on the parts and service counter of approximately one week in length.

PRTS 1140 CR-2

Standard Stock, Lubricant & Shop Supplies

Students will learn to identify and measure threaded fasteners and fittings, and to select the appropriate items needed from parts catalogues. They will learn about friction and lubrication as it relates to the automotive trade, and will be able to select the correct engine, transmission and gear oil based on the API and SAE classification ratings. Students will complete an assignment on the parts and service counter of approximately one week in length.

PRTS 1150 CR-2

Catalogues and Engine Components

Students will locate dealer catalogue part numbers through use of a computer, microfiche, and parts catalogues. They will learn the design and function of engine blocks and internal components, cylinder heads, oil pans, valve covers, and related retail items. Students will practice selecting the correct part number from a variety of catalogues for the components mentioned above. Students will complete an assignment on the parts and service counter of approximately one week in length.

PRTS 1160 CR-3

Engine Support Systems

Students will learn the function and operation of components on the lubrication system, cooling system, fuel system, and exhaust and emission control systems on automobiles. They will practice selecting, from catalogues, the correct part for applications for these systems. Students will complete a practical assignment on the parts and service counter of approximately one week in length.

PHILOSOPHY (PHIL)

PHIL 1100 CR-3

Introduction to Philosophy

Students will study central topics in the major areas of philosophy. They will examine a variety of philosophical perspectives on issues such as mind-body problem, the nature of reality, the limits of human knowledge, morality and moral judgement, and the justification of religious beliefs.

Transferable (refer to transfer guide)

PHIL 1101 CR-3 (formerly HUMN 1100)**Philosophy, Culture, and Identity**

Students will be introduced-through literary and philosophical works-to issues connected with how the modern identity is formed and how it is constituted in Western culture.

Transferable (refer to transfer guide)

PHIL 1110 CR-3**Confronting Moral Issues: Introduction to Ethics**

Students will consider the meaning and justification of moral judgments by examining various views on whether or not morality has an objective basis. They will be introduced to leading theories of ethical conduct and will learn to apply these theories to contemporary moral problems and workaday situations.

Transferable (refer to transfer guide)

PHIL 1111 CR-3**Sustainability: Analysis and Ethics**

Students will study elements of traditional philosophy courses such as critical thinking, philosophy of science, and ethics to provide a detailed analysis of a variety of concepts of sustainability. They will examine sustainability policies and practices related to the environment, social equity, and economics.

Note: This course is cross-listed with POST 1100. Students may not get credit for both courses.

Transferable (refer to transfer guide)

PHIL 1112 CR-3**Environmental Ethics**

Students will examine central problems in environmental ethics. They will investigate the philosophical implications of various views about humans' relationship to nature, and consider such topics as the extent of our obligations to non-human animals, to the environment, and to future generations.

Transferable (refer to transfer guide)

PHIL 1145 CR-3**Critical Thinking**

Students will study the process of argument reconstruction and evaluation. They will focus on skills necessary that will enable them to distinguish argumentative from non-argumentative writing, rationally persuasive from rhetorically persuasive arguments, and strong from weak arguments. Students will be expected to analyze arguments from a variety of contexts such as newspaper editorials, advertising and surveys.

Transferable (refer to transfer guide)

PHIL 1150 CR-3**Introduction to Formal Logic**

Students will study the basic techniques of formal deductive logic. They will learn the semantics and syntax of two artificial languages-sentential logic (SL) and predicate logic (PL)-with emphasis given to the former. With the aid of the formal techniques learned in this course, students will gain insight into the nature of rational argument and sound reasoning.

Transferable (refer to transfer guide)

PHIL 1155 CR-3**Introduction to Scientific Reasoning**

Students will examine the methodology behind arguments and experimentation in science, including the careful analysis of data, measurement of probability, and the formulation of various explanatory hypotheses. In so doing, they will become familiar, not only with how scientists go about their work, but with the philosophical foundations of scientific reasoning.

Transferable (refer to transfer guide)

PHIL 2106 CR-3**Ancient Greek Philosophy**

Students will examine the philosophical developments in ancient Greece that gave rise to Western Philosophy, with particular emphasis on one or more of Socrates, Plato or Aristotle.

Transferable (refer to transfer guide)

PHIL 2107 CR-3 (formerly PHIL 1107)**Modern Philosophy: Descartes to Kant**

Students will study some of the major philosophical texts from the modern period, beginning from the time of Descartes. They will apply methods of philosophical analysis to these texts in the exploration of epistemological, metaphysical, ethical and social-political questions.

Prerequisites: 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 2110 CR-3**Moral Theory**

Students will examine some of the major normative ethical theories. They will study classic works representing the major ethical traditions, including virtue theory, deontology, social contract theory, and utilitarianism. They will examine concepts such as duty, virtue, well-being or happiness, and right action. Students will obtain a critical grasp of these ethical theories and concepts by reading classic works.

Prerequisites: 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 2115 CR-3**Asian Philosophy**

Students will critically examine selected representative schools of philosophy in Asian traditions, including Hinduism, Confucianism, Taoism, and Zen Buddhism. They will explore such topics as reality, self, knowledge, ethics, and death.

Transferable (refer to transfer guide)

PHIL 2117 CR-3**Social and Political Philosophy**

Students will examine selected central problems in social and political philosophy. They will investigate such topics as the justification of the state, the tension between individual freedom and social constraint, and theories of social justice.

Transferable (refer to transfer guide)

PHIL 2120 CR-3 (formerly PHIL 1120)**Philosophy of Religion**

Students will examine arguments for and against the existence of God, as well as other traditional problems of theology, from a philosophical perspective. In the course of such examinations, they will use both classic and contemporary sources.

Transferable (refer to transfer guide)

PHIL 2150 CR-3**Philosophical Paradoxes, Puzzles and Enigmas**

Students will study the history of the paradox, extending from the ancient Greeks, through the Middle Ages, the Enlightenment, and into the twentieth century. They will get a glimpse into the minds of Zeno, Socrates, Aquinas, Ockham, Pascal, Kant, Quine, Russell, and other major philosophers as they grapple with the twists and turns of philosophical riddles, sometimes finding answers and sometimes not.

Transferable (refer to transfer guide)

PHIL 2210 CR-3 (formerly PHIL 1210)**Epistemology**

Students will study traditional themes in epistemology. Using classical and contemporary readings, they will examine problems related to the justification of beliefs, the nature of truth, and theories describing the foundations of knowledge.

Prerequisites: 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 2215 CR-3 (formerly PHIL 1211)**Metaphysics**

Students will study some of the main traditional topics of metaphysics. Using classical and contemporary readings, they will investigate problems related to mind-body interactionism, space and time, free will and fatalism, and theories of reality and truth.

Prerequisites: 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3010 CR-3**Health Care Ethics**

Students will study various ethical and meta-ethical theories and will apply them to moral dilemmas in health care at the clinical, professional, and organizational levels. They will analyze various case studies that will help them develop competence in moral reasoning as it relates to personal, professional, and societal values-including (but not restricted to) the abortion and euthanasia debates, patient autonomy and the right to refuse treatment, two-tier health care, allocation of scarce resources, patient abuse and management of patient behaviour, alternative therapies, and the patient-caregiver relationship.

Note: This course is intended for Bachelor of Psychiatric Nursing and the Bachelor of Science in Nursing. It will not count as upper-level PHIL credits for Philosophy BA degree programs.

Prerequisites: 45 credits of 1100 or higher

Not Transferable

PHIL 3033 CR-3 (formerly ENTR 3033)**Business Ethics**

Students will study various ethical and meta-ethical theories, and will apply them in standard business contexts, such as employer-employee relations, risk analysis, occupational and product safety, environmental protection, and multinational practices. Students will acquire the tools to allow them to make ethical business decisions.

PHIL 3040 CR-3**Philosophy of Art**

Students will investigate central questions about the nature and value of art (e.g., painting, sculpture, music, literature, and film). They will critically examine attempts to answer questions such as the following: What is art? Is there a difference between aesthetic judgments and mere judgments of taste or subjective preference? What is beauty? Should moral considerations affect our evaluations of art?

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3100 CR-3**Great Philosophers of the 20th Century**

Students will examine the life, work, and influence of one or more notable 20th Century philosopher(s). They will apply principles of rhetoric and philosophical analysis through close reading of selected texts, informed discussion, and formal writing.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3101 CR-3 (formerly PHIL 2101)**20th Century Analytic Philosophy**

Students will acquire a detailed historical and conceptual framework for the assessment of 20th Century philosophical analysis. They will study issues raised by Russell and others near the beginning of the 20th Century. Students will then consider the historical and conceptual unfolding of various alternative approaches to these issues by later 20th Century analytical philosophers. They will focus on a technical examination of concepts such as: truth, reference, description, and meaning.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3105 CR-3**Life and Death**

Students will study various ethical and metaphysical issues surrounding human existence and mortality. In particular, they will investigate the two central questions, "What is a good life?" and "Is death bad for the person who dies?" Using a variety of philosophical sources, they may also examine a number of related issues, including the possibility of life after death, the relationship between personal identity and immortality, the reasons why killing is generally considered wrong, and the moral status of abortion, euthanasia, and suicide.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3109 CR-3 (formerly PHIL 2109)**Foundations in Ethics**

Students will investigate central questions about the nature and foundations of ethical judgement. They will examine a variety of perspectives on such issues as the objectivity and prescriptivity of moral judgement.

Prerequisites: 18 credits of 1100-level courses or higher including 3 credits of PHIL or permission of the instructor

Transferable (refer to transfer guide)

PHIL 3110 CR-3**The Possibility of Knowledge**

Students will investigate central questions about the nature and foundations of epistemic judgement. They will examine a variety of perspectives on such issues as the justification of knowledge claims and the internalism/externalism debate in epistemology.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)

PHIL 3118 CR-3**Ethics and Public Policy**

Students will critically examine ethical issues in public policy through readings in classic and/or contemporary texts. They will consider topics such as policy governing life and death, sex and reproduction, freedom of speech, punishment, and the environment.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)

PHIL 3119 CR-3 (formerly PHIL 2119)**Contemporary Moral Theory**

Students will consider selected problems associated with various philosophical approaches to morality. They will investigate standard moral perspectives such as Utilitarianism, Kantianism, Contractarianism, Feminist Ethics, and Virtue Theory, in order to assess their philosophical strengths and weaknesses by introducing theoretical as well as practical considerations.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)

PHIL 3120 CR-3**Free Will and Determinism**

Students will examine the philosophical problems involved in assigning moral responsibility in a world governed by causes which are, ultimately, outside of our control. Using both classic and contemporary sources, they will evaluate the reasoning behind deterministic theories that deny the reality of free will, claiming that all events, including human actions, have prior causes that render them inevitable.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)

PHIL 3150 CR-3 (formerly PHIL 1250)**Advanced Formal Logic**

Students will be introduced to contemporary symbolic logic. They will gain a working understanding of some symbolic languages, propositional logic and first-order predicate logic. Students will also discuss syntax and semantics at an elementary level, and soundness and completeness of first-order logical systems will be proved.

Prerequisites: PHIL 1150 or 3 credits of MATH 1000-level or higher or permission of the instructor.
Transferable (refer to transfer guide)

PHIL 3220 CR-3**Empiricism**

Students will study the motivations and influence of empiricism—the epistemological theory that genuine information about the world must be acquired by a posteriori or experiential means, so that nothing can be thought without first being sensed. They will analyze and compare the views of prominent empiricists such as Francis Bacon, John Locke, George Berkeley, David Hume, and John Stuart Mill.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor.
Transferable (refer to transfer guide)

PHIL 3225 CR-3**Rationalism**

Students will study the motivations and influence of rationalism—the epistemological view that regards reason as the chief source and test of knowledge. They will analyze and compare the views of prominent rationalists such as René Descartes, Benedict Spinoza, Gottfried Leibniz, and Immanuel Kant.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor.
Transferable (refer to transfer guide)

PHIL 3320 CR-3**Personal Identity**

Students will investigate various philosophical puzzles surrounding the problem of personal identity. In particular, they will contemplate the central metaphysical question, under what circumstances is a person existing at one time identical with a person existing at another time? Students will also examine problems related to the connection between personal identity and physical continuity, the psychological underpinnings of selfhood, and the relationship between personal identity and immortality.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor.
Transferable (refer to transfer guide)

PHIL 3425 CR-3**Language and Meaning**

Students will examine the nature of language through the study of topics such as truth, reference, meaning, linguistic structure, speech acts and context of use.

Prerequisites: 18 credits of 1100 level courses or higher including any 3 credits of PHIL or permission of instructor. PHIL 1150 is recommended.

PHIL 3430 CR-3**Philosophy of Mind: Consciousness**

Students will investigate central questions about the nature of consciousness and the place of the mind in the physical world. They will examine competing approaches to the explanation of mental phenomena.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor.
Transferable (refer to transfer guide)

PHIL 3510 CR-3**Confronting Moral Issues: Bio-medical Ethics**

Students will examine moral problems, and proposed solutions to moral problems, in the context of health care. They will focus on case studies drawn from the bio-medical and health care fields.

Prerequisites: 18 credits of 1100 level courses or higher including any 3 credits of PHIL or permission of instructor.

PHIL 3512 CR-3**Confronting Moral Issues: The Natural Environment**

Students will examine moral problems, and proposed solutions to moral problems, that pertain to the environment and human interaction with the environment. Students will examine content drawn from current issues.

Prerequisites: 18 credits of 1100 level courses or higher, including any 3 credits of PHIL or permission of the instructor. PHIL 2110 is recommended.

PHIL 3533 CR-3**Confronting Moral Issues: Business Ethics**

Students will examine moral problems and proposed solutions to moral problems that arise in a business context. They will apply moral theories and models for decision-making to specific scenarios.

Prerequisites: 18 credits of 1100-level courses or higher including any 3 credits of PHIL or permission of the instructor.

PHIL 3900 CR-3**Honours Research and Thesis I**

Students will conduct a literature review on a topic chosen in consultation with the instructor. They will explore a topic, narrow the topic and formulate a significant research problem. Students will carry out preliminary interpretive and analytical work on the problem.

Note: This course is the first part of a two-course series which culminates in an honours thesis. PHIL 4900 is the second part of the series.

Prerequisites: 24 credits PHIL courses with at least a B+ and the permission of the Philosophy Department Honours Committee

PHIL 4040 CR-3**Topics in the Philosophy of Art**

Students will study a selected topic or body of work in the philosophy of art. Using a variety of classic and contemporary sources, they will consider one or more problems related to the nature of art (e.g., art as imitation, art as representation, art as expression, the relationship between art and form, the relationship between art and the aesthetic experience) or the nature of a specific form of art (e.g., painting, sculpture, music, literature, film). Students will discuss topics(s) that may be associated with a particular movement, time period, or philosophical figure.

Note: This is a seminar-based course. The specific course content will be established in advance by the instructor.

*Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)*

PHIL 4110 CR-3**Topics in Ethics**

Students will engage in an in-depth study of a selected topic in applied ethics, normative ethics, or metaethics, which may be associated with a particular movement, time period, or philosophical figure.

Note: This is a seminar-based course. Students may take this course more than once, as topics vary, with permission of the department chair. The topic in a given semester will be determined in advance by the department. Please check with the department for the current topic.

*Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)*

PHIL 4117 CR-3**Topics in Social and Political Philosophy**

Students will study a selected theme, issue, or body of work in the area of socio-political philosophy. They will examine one or more theoretical approaches-e.g., Marxism, feminism, liberalism, communitarianism, post-modern political theory-and then consider the implications of the examined approach(es) for issues like the nation state, globalization, restructuring, and the social policies surrounding welfare and health care.

Note: This is a seminar-based course. Students may take this course more than once, as topics vary, with permission of the department chair. The topic in a given semester will be determined in advance by the department. Please check with the department for the current topic.

*Co-requisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)*

PHIL 4120 CR-3**Topics in Philosophy of Religion**

Students will study a selected theme, issue, or body of work in the philosophy of religion. Using a variety of textual sources and strict principles of philosophical analysis, they will consider one or more problems related to traditional arguments for God's existence, arguments against the existence of God, the role of faith in religious belief, the status of miracles, the relationship between science and religion, or the relationship between religion and morality.

Note: This is a seminar-based course. The specific course content will be established in advance by the instructor.

*Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)*

PHIL 4210 CR-3**Topics in Epistemology**

Students will study a selected topic or body of work in the field of epistemology. Using a variety of classic and contemporary sources, they will consider one or more themes related to defining knowledge, scepticism and the Pyrrhonian problem, foundationalism and coherentism, epistemic justification, contextualism and relativism, epistemology and science, or the relationship between epistemology and human cognition. Students will discuss topics(s) that may be associated with a particular movement, time period, or philosophical figure.

Note: This is a seminar-based course. Students may take this course more than once, as topics vary, with permission of the department chair. The topic in a given semester will be determined in advance by the department. Please check with the department for the current topic.

*Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor
Transferable (refer to transfer guide)*

PHIL 4215 CR-3

Topics in Metaphysics

Students will study a selected topic or body of work in the field of metaphysics. Using a variety of classic and contemporary sources, they will consider one or more themes related to the nature of universals and particulars, time and space, appearance and reality, persistence and change, personal identity, free will and determinism, causation, the nature of physical substance, or the feasibility of metaphysics as a genuine philosophical pursuit. Students will discuss topic(s) that may be associated with a particular movement, time period, or philosophical figure.

Note: This is a seminar-based course. Students may take this course more than once, as topics vary, with permission of the department chair. The topic in a given semester will be determined in advance by the department. Please check with the department for the current topic.

Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor Transferable (refer to transfer guide)

PHIL 4430 CR-3

Topics in Philosophy of Mind

Students will study a selected theme, issue, or body of work in the philosophy of mind. Using a variety of textual sources and strict principles of philosophical analysis, they will consider one or more problems related to the traditional mind-body debate, the nature of consciousness, mental causation, psycho-physical supervenience, or intentionality. Students will discuss topic(s) that may be associated with a particular movement, time period, or philosophical figure.

Note: This is a seminar-based course. Students may take this course more than once, as topics vary, with permission of the department chair. The topic in a given semester will be determined in advance by the department. Please check with the department for the current topic.

Prerequisites: 60 credits of 1100-level courses or higher including any 6 credits of PHIL or permission of the instructor Transferable (refer to transfer guide)

PHIL 4900 CR-3

Honours Research and Thesis II

Students will develop a philosophical position on a research question while working closely with the instructor. They will prepare an extended written discussion of the position developed in a format typical of articles in professional philosophical journals or otherwise suitable as an honours thesis.

Note: This course is a continuation of PHIL 3900.

Prerequisites: PHIL 3900 with at least a B+ and permission of the Philosophy Department Honours Committee

PHYSICS (PHYS)

PHYS 1100 CR-4

Introductory Physics

Students in this survey course will study kinematics and dynamics in one and two dimensions, energy and momentum conservation, electricity and magnetism, waves, and geometric optics. In the lab students will also study basic techniques of measurement, including the use of computers and report writing.

Note: This is a preparatory course for students who have not passed Principles of Physics 12.

Prerequisites: (MATQ 1093 or MATH 1117) or (ABEM 0011 or MATP 1011 or MATQ 1099 with a B-) or Pre-calculus 12 with a C; or Principles of Mathematics 12 with a C; or Pre-calculus 11 with a B; or Principles of Mathematics 11 with a B; or Pre-calculus 11 with a C plus Mathematics Placement Test; or Principles of Mathematics 11 with a C plus Mathematics Placement Test; or Pre-calculus 12 with a P plus Mathematics Placement Test; or Principles of Mathematics 12 with a P plus Mathematics Placement Test; or Applications of Mathematics 12 with a C plus Mathematics Placement Test; or Applications of Mathematics 11 with a C plus Mathematics Placement Test; or {Foundations of Mathematics 12 with a C AND [PHYQ 1098 or Physics 11 with a C]}

Co-requisites: NOTE: Those planning to take further physics courses beyond PHYS 1100 should be aware that the minimum math requirements for those courses are higher than those for PHYS 1100. Students should investigate these as soon as possible to avoid future delays. NOTE: Those planning to take further physics courses beyond PHYS 1100 should be aware that the minimum math requirements for those courses are higher than those for PHYS 1100. Students should investigate these as soon as possible to avoid future delays. Transferable (refer to transfer guide)

PHYS 1101 CR-4

Physics for Life Sciences I

Students will study work, energy, power, efficiency, and heat; kinematics and dynamics of rotation; fluids; oscillations, waves, and sound. Students will study relevant examples and applications of each course topic in the areas of medical and life sciences. Students will participate in laboratory activities that emphasize data collection and analysis.

*Prerequisites: PHYS 1100 or Principles of Physics 12 (with a P)
Co-requisites: MATH 1120 or 1130 or 1140 MATH 1120 or 1130 or 1140
Transferable (refer to transfer guide)*

PHYS 1102 CR-4

Physics for Life Sciences II

Students will learn about optics and optical instruments; electrostatic forces and fields; magnetic forces and fields; electromagnetic induction; electric circuits; atomic structure, nuclear physics and radioactivity. Students will study relevant examples and applications of each course topic in the areas of medical and life sciences. Students will participate in laboratory activities that will emphasize data collection and analysis.

*Prerequisites: PHYS 1101 or PHYS 1120
Co-requisites: MATH 1220 or 1230 or 1240 MATH 1220 or 1230 or 1240
Transferable (refer to transfer guide)*

PHYS 1112 CR-3**Reel Physics**

Students will study a wide range of physical concepts in the context of popular culture. They will investigate the often-incorrect portrayal of basic physics in varied source material (movies, television, and print media). Students will critically view source materials and determine when the physics has been correctly or incorrectly portrayed.

NOTE: This is an introductory course in physics intended for students not specializing in science or applied science, but will utilize basic arithmetic skills. No prior study of physics is required.

Transferable (refer to transfer guide)

PHYS 1120 CR-4**Physics for Physical and Applied Sciences I**

Students will learn about statics, dynamics, oscillations, mechanical waves and sound. They will use computers extensively in the lab for data collection and analysis.

Prerequisites: PHYS 1100 or Principles of Physics 12 (with a C)

Co-requisites: MATH 1120 or 1130 MATH 1120 or 1130

Transferable (refer to transfer guide)

PHYS 1170 CR-3**Mechanics I**

Students will study the statics, kinematics and dynamics of particles and rigid bodies. They will apply vector analysis to three-dimensional static-equilibrium problems, and differential and integral calculus to dynamics problems, as well as make use of Newton's laws and the concepts of impulse, momentum, work and energy. Students will focus on the analysis of practical mechanics problems in two and three dimensions.

Note: This is an Applied Science (Engineering) course.

Prerequisites: PHYS 1120

Co-requisites: MATH 1220 MATH 1220

Transferable (refer to transfer guide)

PHYS 1220 CR-4**Physics for Physical and Applied Sciences II**

Students will learn about optics, modern physics, electricity and magnetism. They will use computers extensively in the lab for data collection and analysis.

Note: Students who intend to go on in the physical or applied sciences must take MATH 1220 to ensure transfer credit

Prerequisites: PHYS 1120 or 1101

Co-requisites: MATH 1220 or 1230 MATH 1220 or 1230

Transferable (refer to transfer guide)

PHYS 1400 CR-3**Energy, Environment, Physics**

Students will learn the basic principles of environmental physics. Students will build, analyze, and critique physical models of environmental processes. Students will apply environmental physics concepts to topical problems such as consumer energy use, renewable energy resources, carbon footprint, water use, waste, and global warming.

Prerequisites: (Principles of Math 11 with a C+) or (Pre-calculus 11 with a C+) or (Foundations of Math 11 with a C+) or (Principles of Math 12 with a C) or (Pre-calculus 12 with a C) or (Foundations of Math 12 with a C) or MATH 1117

Transferable (refer to transfer guide)

PHYS 1401 CR-1**Environmental Physics Lab**

Students will conduct laboratory investigations related to environmental physics concepts such as: energy use, electrical power generation, fluid statics and dynamics. Students will use computers to obtain and analyze data, and to write reports.

Prerequisites: (Principles of Math 11 with a C+) or (Pre-calculus 11 with a C+) or (Foundations of Math 11 with a C+) or (Principles of Math 12 with a C) or (Pre-calculus 12 with a C) or (Foundations of Math 12 with a C) or MATH 1117

Transferable (refer to transfer guide)

PHYS 1600 CR-3**Introduction to Modern Technology**

Students will learn to work with microcontroller chips which are at the heart of many modern technological devices. Students will program a microcontroller to develop a device (e.g. a calculator or a simple robot) to function as intended. Students will learn the basics of the C programming language as well as skills such as simple circuit design, data acquisition, digital input and output (DIO), analog-to-digital conversion (ADC), pulse width modulation (PWM), and timing.

Prerequisites: PHYS 1100 or Principles of Physics 12 (with a C)

Transferable (refer to transfer guide)

PHYS 2010 CR-3**Modern Physics**

Students will study the basic postulates and results of the Special Theory of Relativity and Quantum Mechanics. Students will review the experimental evidence for quantization. Students will use the Schrödinger Equation to obtain wavefunctions for a variety of situations, including the Hydrogen atom. Students will also be introduced to solid state physics with an emphasis on electronic devices.

Prerequisites: (PHYS 1102 or 1220) and (MATH 1220 or 1230)

Co-requisites: MATH 2721 MATH 2721

Transferable (refer to transfer guide)

PHYS 2030 CR-3**Classical Mechanics**

Students will study intermediate topics in Classical Mechanics that rely heavily on mathematical skills developed in introductory calculus courses. Students will study topics such as time, position and velocity dependent forces, damped and forced vibrations, inertial and non-inertial frames of reference, the Kepler problem, and fluid mechanics. Students will extend the concepts learned in PHYS 1120.

Prerequisites: PHYS 1120 or (PHYS 1101 with a B)

Co-requisites: MATH 2821 MATH 2821

Transferable (refer to transfer guide)

PHYS 2040 CR-3**Thermal Physics**

Students will learn about the thermal properties of matter, and mechanisms of heat transfer. Students will study heat engines and refrigeration, phase changes, and the laws of thermodynamics. Students will also study environmental applications of thermal physics and applications in green energy technology.

Prerequisites: (PHYS 1102 or PHYS 1220) and (MATH 1220 or MATH 1230)

Transferable (refer to transfer guide)

PHYS 2100 CR-3**Experimental Physics**

Students will learn how physical and statistical principles are applied in designing experiments and analyzing their results. They will use analogue and digital electronics, electronic instrumentation, and computers in the acquisition of experimental data. Students will perform experiments in classical mechanics, fluid dynamics, optics, thermodynamics, electronics, and/or modern physics.

Prerequisites: (PHYS 1102 or PHYS 1220) and (MATH 1220 or MATH 1230)

Transferable (refer to transfer guide)

PHYS 2101 CR-2.5**Experimental Physics I**

Students will learn how physical principles are applied in designing experiments and analyzing their results. They will learn the electronic skills necessary to work in a modern physics laboratory. Students will perform experiments in basic analogue and digital electronics, learn the use of standard electronic instrumentation, and use the computer for data analysis.

Prerequisites: PHYS 1220

Co-requisites: MATH 2321 or 2232 or 2233 MATH 2321 or 2232 or 2233

Transferable (refer to transfer guide)

PHYS 2201 CR-2.5**Experimental Physics II**

Students will learn how physical principles are applied in designing experiments and analyzing their results. They will use analogue and digital electronics, electronic instrumentation and computers, in the acquisition of experimental data. Students will perform experiments in thermodynamics, electronics, and modern physics, and will use computers in modelling, data analysis, and in writing reports.

Prerequisites: PHYS 2101

Transferable (refer to transfer guide)

PHYS 2330 CR-3**Intermediate Mechanics**

This course extends the concepts covered in PHYS 1120. Students will study the general motion of particles and rigid bodies, inertial and non-inertial frames of reference, the harmonic oscillator, and central forces.

Prerequisites: PHYS 1120 or (PHYS 1101 with a B or better)

Co-requisites: MATH 2321 MATH 2321

Transferable (refer to transfer guide)

PHYS 2420 CR-3**Intermediate Electricity and Magnetism**

Students will learn the principles of electricity and magnetism at an intermediate level. Topics covered are: electrostatic forces and fields, electric potential, capacitance and dielectrics, DC and AC circuits, magnetic fields, magnetic properties of materials, an introduction to semiconductor devices and Maxwell's equations.

Prerequisites: (PHYS 1220 or PHYS 1102) and (MATH 1220 or MATH 1230)

Co-requisites: MATH 2321 or MATH 2721 or MATH 1152 MATH 2321 or MATH 2721 or MATH 1152

Transferable (refer to transfer guide)

PHYS 2421 CR-2**Laboratory in Electric Circuits**

Students will learn about: measuring voltage, frequency and phase angle using an oscilloscope; charging and discharging of a capacitor; RC, RL and LCR circuits; resonance and oscillations; rectification and filter circuits; transistor characteristics and amplification; and operational amplifiers.

Prerequisites: PHYS 1220 or (1102 with a B or better.)

Co-requisites: MATH 2321 and PHYS 2420 MATH 2321 and PHYS 2420

Transferable (refer to transfer guide)

PHYS 2424 CR-3**Relativity and Quanta**

Students will study special relativity and quantum physics at an intermediate level. They will examine aspects and applications of Lorentz transformation, dynamics and conservation laws. Students will also review the experimental evidence for quantization and conduct a qualitative discussion of quantum mechanics and their application to simple systems of atoms and nuclei.

Prerequisites: (PHYS 1102 or 1220) and (MATH 1220 or 1230)

PHYS 2600 CR-3**Electronics with Microcontrollers**

Students will learn about direct current (DC) and alternating current (AC) circuits. Students will build, and study the behaviour of circuits containing resistors, capacitors, inductors, diodes, operational amplifiers, and transistors. Students will work with programmable microcontrollers using the C language to utilize microcontroller fundamentals such as digital input and output (DIO), analog-to-digital conversion (ADC), and timing to apply them to circuit design and data acquisition.

Prerequisites: PHYS 1220 and (PHYS 1600 or APSC 1299) and MATH 1220

Co-requisites: PHYS 2610 PHYS 2610

Not Transferable

PHYS 2610 CR-3**Sensors and Actuators**

Students will be introduced to components of measurement systems using a variety of sensors, with emphasis on the practical use of associated signal measurement equipment. Students will also learn the theory of operation of sensors, actuators, and transducers and use these components to build working systems.

Prerequisites: (PHYS 1600 or APSC 1299) and PHYS 2100

Co-requisites: PHYS 2600 PHYS 2600

Transferable (refer to transfer guide)

PHYS 3202 CR-3**Biophysics**

Students will study the biomechanics of the skeletal system, the strength of materials as it applies to the human body, the fluid dynamics of the circulatory system, diffusion and Brownian motion, thermoregulation of the body, the optics and neurophysics of vision, the acoustics of the ear and the human voice, electrical models of nerve conduction, and radiation dosimetry.

Prerequisites: (PHYS 1101 or 1120) and (MATH 1120 or 1130)

Note: PHYS 1220 is recommended

Co-requisites: BIOL 1210 BIOL 1210

Transferable (refer to transfer guide)

PHYS 3700 CR-3

Signal and Image Processing

Students will learn about the noise characteristics of components, sensors, and systems, as well as signal recovery techniques. They will also learn about the acquisition, processing and analysis of images for scientific and industrial applications. Students will develop and work with instrumentation and software for signal and image processing in the laboratory. Students will apply statistical analysis throughout, both for theory and for analysis.

Prerequisites: PHYS 2420 AND PHYS 2610

PHYS 3950 CR-3

Work Experience - Part I

Students will apply their previous learning to a real world situation during a work experience term that has been approved by, and with supervision from, Physics faculty. Students will prepare a plan of the work to be performed. Students will work full-time for seven weeks and will write a report at the end of that period.

Prerequisites: Approval of Physics work experience committee AND completion of at least 9 PHYS credits at the 3000 level. Not Transferable

PHYS 3951 CR-3

Work Experience - Part II

Students will continue to apply their previous learning to a real world situation during a work experience term that has been approved by, and with supervision from, Physics faculty. Students will work full-time for at least seven weeks and will prepare a final report and a presentation at the conclusion of the placement. Students will use the report and presentation to demonstrate the understanding they have gained of the applicability and relevance of their studies to modern technology.

Prerequisites: Approval of Physics work experience committee AND completion of at least 9 PHYS credits at the 3000 level. Not Transferable

PHYSICS QUALIFYING (PHYQ)

PHYQ 1098 CR-4

Introduction to Physics

Students will learn introductory concepts of physics, exploring energy in the fields of mechanics, dynamics, heat, waves, electricity, and light. They will extend these concepts to investigate renewable and sustainable sources of energy as future replacements for fossil fuel sources.

Prerequisites: Principles of Math 10 or Foundations of Mathematics and Pre-calculus 10 or MATQ 0010 or MATQ 1092 or MATQ 1089 or ACP Math Placement. Not Transferable

PLUMBING (PLMB)

PLMB 1101 CR-2

Safety in the Workplace

Students will address safe work practices and how they pertain to construction work sites. They will examine the Occupational Health and Safety Regulation and Guidelines of WorkSafe BC applicable to the plumbing trade. Students will be able to demonstrate and use general safe work practices and procedures when using tools and equipment, practice the safe handling and storage methods for materials and equipment. They will receive basic St. John's First Aid, Hilti Powder Actuated Tool, Ipex Gluing and Workplace Hazardous Materials Information System (WHMIS) certificates.

PLMB 1105 CR-6

Organization of Work

Students will use mathematics and science to solve problems in the plumbing trades. They will interpret engineering drawings and sketches and will make decisions pertaining to the installation, positioning, and/or maintenance of piping and fixtures currently used in the plumbing trade. Students will use codes and standards in the application of shop projects, as well as describe and use manufacturer and supplier documentation encountered in the plumbing trade.

PLMB 1110 CR-4

Prepare and Assemble Plumbing Components

Students will describe piping and tubing materials used in the plumbing trade. They will join piping, for example: plastic, copper, and carbon steel. Students will describe, select, and install valves used in the plumbing trade. They will describe fittings and connection methods, select, and install fittings. Students will be able to use acceptable methods of structure penetration.

PLMB 1121 CR-5

Tools and Equipment

Students will develop basic skills to identify, select, inspect, use, and maintain hand tools and stationary, as well as portable power tools, appropriate to plumbing processes. They will complete shop projects that involve bench work to practice hand skills using a variety of industry related tools. Students will develop skills involving soldering and rigging equipment along with but not limited to ladders, knots and platforms.

POLICY STUDIES (POST)

POST 1100 CR-3

Sustainability: Analysis and Ethics

Students will study elements of traditional philosophy courses such as critical thinking, philosophy of science, and ethics to provide a detailed analysis of a variety of concepts of sustainability. They will examine sustainability policies and practices related to the environment, social equity, and economics.

Note: Students in the Policy Studies (POST) program must take POST 1100, the first of four umbrella courses required for this degree. This course is cross-listed with PHIL 1111. Students may not get credit for both courses.

Transferable (refer to transfer guide)

POST 2100 CR-3

Sustainability and Government

Students will explore environmental sustainability as an issue in Canadian politics. They will examine the evolution of the environmental movement in Canada, and study the linkages between environmental concerns and Canadian political culture, parties, advocacy organizations, federal-provincial relations, domestic and foreign policy, and other areas of interest.

Note: Students may earn credits for only one of POST 2100 or POLI 2100 as they are cross-listed courses.

Prerequisites: Any 6 credits at 1100-level or higher. Transferable (refer to transfer guide)

POST 3100 CR-3**Economics of Sustainability Policy**

Students will study current sustainability issues and policies from an economic perspective. Students will learn about the Neoclassical Growth Theory. The students will study several topics including: the values and the limitations of the alternative measures of economic welfare, policy reports and studies, and the implications of complementarity between natural and human-made capital. Note: Students may earn credit for only one of ECON 3100 and POST 3100 as they are identical courses.

Prerequisites: ECON 1150 and ECON 1250

Not Transferable

POST 3110 CR-3**Applied Policy Seminar I**

Students will study a specific set of applications of the principles of sustainability policy under the guidance of a practitioner. They will work in groups and examine specific situations and case studies to gain an insight into the practical difficulties of decision making and policy setting as it applies to real-life situations. They will study how concepts of ethics, governance, and economics are integrated. They will analyze the sustainability aspects of projects on topics such as water conservation, climate change mitigation, or food security.

Note: This course is restricted to BA in Policy Studies program students.

Prerequisites: 60 credits of 1100-level or higher courses with a C or better

POST 4110 CR-3**Advanced Applied Policy Seminar**

Students will study applications of policy, with a focus on sustainability, under the guidance of a practitioner. They will examine complex real-life situations and case studies, such as impacts of policy decisions on climate change mitigation, energy efficiency, subsidized housing, green space conservation, and others. They will study how concepts of ethics, governance, and economics, as well as the psychology of public behaviour, are integrated into policy decision-making for sustainability. They will work in groups on a specific project, liaise with community stakeholders, and make recommendations for action in a formal presentation to stakeholders.

Note: This course is cross-listed with POLI 4110. This course is restricted to BA Policy Studies program students and students in a B.A. program in Political Science.

Prerequisites: POST 3110; or 18 POLI credits at the 1100-level or higher, including POLI 2100, and SOCI 2260
Not Transferable

POST 4150 CR-3**Psychology and Sustainability: Attitudes and Behaviour**

Students will explore the challenges involved in changing attitudes and behaviour as it pertains to sustainability policy. They will examine the foundations of attitudes, how they are formed, changed and their relationship to behaviour. Students will also learn what makes persuasion campaigns effective, as well as individual and social factors that interfere with attitude-behaviour consistency. They will learn to apply this knowledge to the evaluation of sustainability policy designed to change attitudes and behaviour. Note: (1) This course is a requirement for the BA in Policy Studies. For Psychology students this course counts as a general elective not a psychology major/minor credit. (2) This course is cross-listed as PSYC 4150. Students who have taken PSYC 4150 may not register for this course. Students may earn credits from only one of POST 4150 or PSYC 4150.

Prerequisites: 60 credits of 1100 or higher

Co-requisites: None None

Not Transferable

POLITICAL SCIENCE (POLI)**POLI 1110 CR-3 (formerly POLI 2110)****Ideology and Politics**

Students will study and critically analyze the political ideologies that have played an important role in shaping the 20th century and the present political landscape, and that have influenced the political attitudes and actions of individuals, groups and societies.

Transferable (refer to transfer guide)

POLI 1120 CR-3 (formerly POLI 2420)**Canadian Government and Politics**

Students will examine Canadian political culture, including the challenges to Canadian unity posed by those with separatist sentiments. They will discuss regionalism, multiculturalism, cultural and linguistic duality, bilingualism, Canadian identity, political parties and ideologies, the bureaucracy, federalism, the economy, constitutional change, and other topics of current interest.

Transferable (refer to transfer guide)

POLI 1123 CR-3**Politics in the City**

Students will study the evolution of politics at the municipal level in Canada, including political parties and civic movements, the local management of services, labour relations, lobby groups, budgeting, and policy making. They will examine the relationships between municipal governments and the provincial and federal governments, and explore other topics of current interest relating to city politics in Canada.

Transferable (refer to transfer guide)

POLI 1125 CR-3**Introduction to Political Science**

Students will study basic terms and concepts relevant to the study of institutions and processes in government. They will acquire an understanding of Canadian government and politics and will compare Canada to other countries in order to further a broad understanding of the effect of politics and government on the population.

Transferable (refer to transfer guide)

POLI 1145 CR-3 (formerly POLI 2145)**Introduction to Comparative Government and Politics**

Students will study, and critically analyze, the key topics in the field of comparative politics, with a special emphasis on understanding the dynamics that shape the character and quality of contemporary political systems.

Transferable (refer to transfer guide)

POLI 1150 CR-3 (formerly POLI 2147)**Introduction to International Relations**

Students will develop the analytical skills with which to explain or understand world politics. They will be introduced to the intellectual tools such as core concepts and schools of thought, in order to make sense of the complex world of international politics. Students will explore a broad range of contemporary topics, including the role and importance of various state and non-state actors, the promotion of international order, and salient features of the international political economy, including the disparities between the countries of the North and South.

Transferable (refer to transfer guide)

POLI 2100 CR-3**Sustainability and Government**

Students will explore environmental sustainability as an issue in Canadian politics. They will examine the evolution of the environmental movement in Canada, and study the linkages between environmental concerns and Canadian political culture, parties, advocacy organizations, federal-provincial relations, domestic and foreign policy, and other areas of interest.

Note: Students may earn credits for only one of POST 2100 or POLI 2100 as they are cross-listed courses.

Prerequisites: Any 6 credits at 1100-level or higher

Transferable (refer to transfer guide)

POLI 2120 CR-3**Government & Politics of the Prairie Provinces**

Students will study the structures and processes of government in the Canadian Prairie Provinces. Students will study the role of the national government in shaping the Prairies and will analyze the theoretical approaches to federalism and regionalism. Comparisons with other Canadian provinces will enhance student awareness of different political traditions and allow them to develop reasoned judgments about politics and government in their home province as well as the country as a whole.

Prerequisites: POLI 1125 or 1120

POLI 2121 CR-3**Law and Politics: The Charter of Rights and Freedoms**

Students will study the concepts of rights and freedoms as they have been treated historically in Canada, and will analyze the place of rights in Canadian law prior to the entrenchment of the Charter of Rights and Freedoms. They will examine the Charter and the role of the courts with emphasis on the Supreme Court, and will discuss the place of rights and courts in a democratic society. Students will study the legalization of politics and politicization of the judiciary to better understand recent developments in Canadian law and politics regarding rights

Prerequisites: 3 credits of 1100 level POLI courses

Transferable (refer to transfer guide)

POLI 2130 CR-3**International Relations Theory**

Students will learn the theories of International Relations, from realism and liberalism to "radical" challengers such as Marxism, dependency theory, critical theory, postmodernism, and feminism. Students will explore, debate, and compare theories to develop a solid grasp of the different perspectives and to establish their own theoretical preferences.

Prerequisites: 3 credits of 1100 level POLI courses

Transferable (refer to transfer guide)

POLI 2131 CR-3**European Integration**

Students will acquire a detailed factual and conceptual framework for the analysis of the process of European integration. They will study the historical origins of the European Union (EU), the institutions (structure and process) and the challenges of integration in the 21st century. Students will focus on the political, social, and economic impacts on the member states, the tension between nation-state and confederation, supra-national citizenship, democracy and regional integration, and the role and status of the EU in world affairs.

Prerequisites: 3 credits of 1100-level POLI courses

POLI 2140 CR-3**Comparative Politics of Asia**

Students will be introduced to the government and politics of key Asian states. They will learn about the dynamics that shape the character and quality of contemporary Asian political systems, the underlying assumption being that "they who know only one country, know no country well." Students will enhance their understanding of political transformation in a comparative context will be enhanced by the study of different Asian countries.

Prerequisites: 3 credits of 1100-level POLI courses

Transferable (refer to transfer guide)

POLI 2150 CR-3**States, Markets, Globalization: International Political Economy**

Students will acquire a detailed conceptual framework for the analysis of the international political economy. They will study the dynamic interaction among states, societies, firms, and markets, at the international level. Students will focus on major "IPE" perspectives and theories, and learn to apply these to issue areas including monetary and financial relations, international trade, foreign investment, foreign debt, and development finance.

Prerequisites: 3 credits of 1100-level POLI courses

Transferable (refer to transfer guide)

POLI 2155 CR-3**War, Crime, and Violence: Contemporary Political Conflict**

Students will study the sources and nature of major contemporary international and national conflicts, such as disputes between the great powers, rich nations and poor nations, between Third World countries and within states. Students will focus on the phenomena of war, violence, and crime.

Prerequisites: 3 credit of 1100-level POLI courses, or HIST 2335

Transferable (refer to transfer guide)

POLI 2200 CR-3**Classic Thinkers: History of Political Thought**

Students will survey the development of political theory in the western tradition, ranging from the thought of Plato and other ancient thinkers to the works of modern liberal-democratic thinkers such as Hobbes, Locke, Rousseau, Burke, Mill, Nietzsche, and others. They will acquire a foundation in the great debates of western political life.

Prerequisites: 3 credits of 1100-level POLI or PHIL or HIST courses, or by permission of the instructor
Transferable (refer to transfer guide)

POLI 2235 CR-3**British Columbia Government and Politics**

Students will examine British Columbia's political culture and various elements affecting it, such as immigration, native land claims, primary and secondary resource industries, federal-provincial relations, interest group behaviour, union activity, environmental issues, political parties, and government policy-making.

Prerequisites: 3 credits of 1100-level POLI courses
Transferable (refer to transfer guide)

POLI 3100 CR-3**American Government and Politics**

Students will examine the institutions and processes associated with the federal government of the United States. They will study the executive, legislative and judicial branches, as well as the party system, the electoral system and election finance. Students will analyze the policy making process in America employing both foreign and domestic examples to highlight the important roles played by pressure groups, corporations and the media.

Prerequisites: Any 18 credits of 1100-level or higher, including any 3 POLI credits (POLI 1110 or 1125 or 1145 recommended)
Transferable (refer to transfer guide)

POLI 3122 CR-3**Introduction to Canadian Foreign Policy**

Students will examine the history and current state of the foreign and defence policies of Canada. They will also study the following specific areas: domestic and foreign influences on policy, governmental structures affecting policy, the interplay of trade, defence and diplomatic decision-making. Students will appraise recent policy initiatives with a view to developing an understanding of Canada's place in the global community.

Prerequisites: Any 18 credits of 1100-level or higher, including any 3 POLI credits (POLI 1110 or 1120 recommended)

POLI 3125 CR-3**Nation and Identity in Canadian Politics**

Students will examine the politics of national identity in Canada. They will probe competing visions of Canadian identity and nationhood, and explore the challenges to these posed by Quebec and indigenous nationalisms as well as the intersections between multicultural pluralism and nationhood in Canadian politics.

Prerequisites: Any 18 credits of 1100-level or higher, including any 3 POLI credits
Transferable (refer to transfer guide)

POLI 3131 CR-3**The Politics of Continental Integration**

Students will examine the phenomenon of continental integration, paying particular attention to North America as a contested site of integration. Students will investigate the existing status of North American integration and analyze debates around the merits and demerits of deepening it, using the European Union as a key point of comparison. They will probe the challenges of treaty-making, legal compliance and enforcement, and dispute resolution in continental contexts. Students will also analyze the affinities and tensions between regional, continental, and global forms of integration, and assess the implications of North American integration.

Prerequisites: Any 18 credits of 1100-level or higher, including any 3 POLI credits
Transferable (refer to transfer guide)

POLI 3146 CR-3**Government and Politics of India**

Students will examine the sources and nature of conflict, power and political change in India, developing a critical understanding of the forces – historical, cultural, institutional and economic – that shape contemporary Indian political life. They will analyze themes of development and modernization as they apply to India and the wider South Asian region, critically analyze the advantages and disadvantages of democracy in a developing society, and examine challenges facing India in the twenty-first century.

Prerequisites: Any 18 credits of 1100-level or higher, including any 3 POLI credits
Transferable (refer to transfer guide)

POLI 3147 CR-3**Foreign Policies of the Major Powers**

Students will acquire a factual and conceptual comparative framework of foreign policy as practiced by major powers. They will analyze the types of powers, various foreign policies, styles of foreign policy, constellation of the major powers and the target audience of the major powers. Students will review some case studies on the challenges arising to, and by, the major powers. They will explore, debate, and compare theories to develop a solid grasp of the different theoretical perspectives of the foreign policies of major powers, and will establish their own theoretical preferences.

Prerequisites: Any 18 credits of 1100-level or higher, including 3 credits of POLI 1125 or 1145 or 1150 (POLI 2130 recommended)
Transferable (refer to transfer guide)

POLI 3150 CR-3**American Foreign Policy**

Students will examine the historical patterns of, and contemporary issues in, U.S. foreign policy. They will discuss the challenges faced by the U.S., its increasing reliance on unilateralism, and the response of other great powers to the U.S. in the Cold War and post-Cold War era. Students will also examine the sources of American foreign policy and will explore the linkages among political institutions, the policy formulation process, and policy outcomes.

Prerequisites: Any 18 credits of 1100-level or higher, including 3 credits of POLI 1125 or 1145 or 1150 (POLI 2130 recommended)

POLI 3160 CR-3**International Organization**

Students will acquire a basic knowledge of the nature, activities, and problems of international organizations in political, economic, and social issue-areas. They will analyze the historical evolution, structural mechanisms, and governance styles of these organizations in addressing various global problems. Students will critically examine the most prominent theoretical and conceptual approaches to the analysis of international organizations, with particular emphasis on the notions of multilateralism and global governance.

Prerequisites: 18 credits of 1100-level or higher, including 3 credits of POLI 1125 or POLI 1145 or POLI 1150 or POST 2100 Transferable (refer to transfer guide)

POLI 3170 CR-3**International Peacekeeping**

Students will examine the multiple dimensions of peacekeeping operations in the world. They will explore the origin and growth of peacekeeping operations undertaken by international organizations, particularly the UN and the regional organizations, and the debate about the philosophy and strategy of peacekeeping operations. Students will analyze case studies, assess the strengths and weaknesses of overall peacekeeping operations, and evaluate the lessons to be learned from the past

Prerequisites: Any 18 credits of 1100-level or higher, including 3 credits of POLI 1125 or 1145 or 1150 Transferable (refer to transfer guide)

POLI 3190 CR-3**Selected Topics in Canadian Politics**

Students will engage in an intensive study of an important selected issue, or related set of issues, in Canadian politics, as chosen by the instructor. Students will conduct readings, research, and class discussion at an advanced undergraduate level and be expected to demonstrate an effective mastery of the topic in question.

NOTE: Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher, including any 3 POLI credits Transferable (refer to transfer guide)

POLI 3199 CR-3**Selected Topics in International Politics**

Students will engage in an intensive study of an important selected issue, or related set of issues, in international politics, as chosen by the instructor. Students will conduct readings, research, and class discussion at an advanced undergraduate level and be expected to demonstrate an effective mastery of the topic in question.

NOTE: Students may take this course multiple times for further credit on different topics.

Prerequisites: 18 credits of 1100-level or higher, including any 3 POLI credits Transferable (refer to transfer guide)

POLI 3240 CR-3 (formerly POLI 1240)**Chinese Government and Politics**

Students will learn the characteristics of the Chinese civilization, the reform and revolution in the pre-Communist era, the Communist road to power, the development of Chinese politics from 1949 to the present, and China's international relations.

Prerequisites: POLI 1125 (POLI 2145 strongly recommended) Transferable (refer to transfer guide)

POLI 3500 CR-3**Public Debates in Politics**

Students will explore the theory and practice of political debate, examining fundamental principles of rhetoric and public communication, and examples of famous historical debates, before conducting their own formal debates around important political issues. Students will, under the supervision of the instructor, identify the issues to be debated, conduct rigorous scholarly research on their chosen topic, develop debating strategies, and moderate and conduct their own debates.

Prerequisites: 18 credits of 1100-level or higher, including any 3 POLI credits. Transferable (refer to transfer guide)

POLI 4110 CR-3**Advanced Applied Policy Seminar**

Students will study applications of policy, with a focus on sustainability, under the guidance of a practitioner. They will examine complex real-life situations and case studies, such as impacts of policy decisions on climate change mitigation, energy efficiency, subsidized housing, green space conservation, and others. They will study how concepts of ethics, governance, and economics, as well as the psychology of public behaviour, are integrated into policy decision-making for sustainability. They will work in groups on a specific project, liaise with community stakeholders, and make recommendations for action in a formal presentation to stakeholders.

Note: This course is cross-listed with POST 4110. This course is restricted to BA Policy Studies program students and students in a BA program in Political Science.

Prerequisites: POST 3110; or 18 POLI credits at the 1100-level or higher, including POLI 2100, and SOCI 2260 Not Transferable

POLI 4125 CR-3**The Politics of Multiculturalism in Canada**

Students will critically explore the political issues raised by Canada's experience with cultural and religious diversity, informed by theoretical approaches to the wider themes of culture and religion in politics. They will examine the evolution of Canada's policy of official multiculturalism and the broader meanings attached to the term 'multiculturalism,' considering, in the process, liberal, nationalist, and radical critiques of multiculturalism in theory and practice. Students will also critically engage theoretical issues around the relationship between religious and cultural pluralism, and debates over the role of religion in the public life of a pluralistic society such as Canada.

NOTE: This is a seminar course.

Prerequisites: 45 credits at 1100-level or higher, including 3 POLI credits (POLI 1120 recommended) Transferable (refer to transfer guide)

POLI 4145 CR-3 (formerly POLI 3145)**Border Regions and Trans-Border Politics**

Students will acquire a factual and conceptual framework for the comparative analysis of trans-border regions in international politics. They will analyze two types and two levels of trans-borders: peaceful and conflictual, and regional-continental/local. Students will review a spectrum of trans-border areas in the Americas, Western and Eastern Europe, and Asia. They will address the challenges of multi-level governance in the 21st century in the context of case studies of peaceful trans-border regions. Students will analyze the political, social, economic and environmental impacts of trans-border integration; the tension between nation-state, inter-governmentalism and supra-nationalism; identity, citizenship and democracy; and the status of trans-borders in domestic and world affairs.

Note: This is a seminar course.

Prerequisites: 45 credits at 1100-level or higher, including 3 POLI credits (POLI 1150 recommended)

Not Transferable

POLI 4210 CR-3**Democracy: Classic and Contemporary Debates**

Students will critically examine democratic thought. They will explore such questions as the nature and foundation of democratic beliefs, critiques of democracy both ancient and modern, affinities and tensions between liberal and democratic ideals, and contemporary visions of democracy and their critics.

NOTE: This is a seminar course.

Prerequisites: 45 credits at 1100-level or higher, including 3 POLI credits (POLI 1110 highly recommended)

Transferable (refer to transfer guide)

POLI 4330 CR-3**International Human Rights**

Students will critically examine a variety of issues relating to human rights, including the theoretical underpinnings of human rights, various categories of rights, the mechanisms available for their implementation, and issues relating to their effectiveness. They will probe the reasons why human rights violations continue to occur in many regions of the world, critically assess the emergence and evolution of the current international human rights regime, and explore the conditions that foster or hinder the implementation of international human rights norms.

Note: This is a seminar course.

Prerequisites: 45 credits at the 1100-level or higher, including 3 POLI credits.

Transferable (refer to transfer guide)

POLI 4340 CR-3**Public International Law**

Students will examine conceptual, theoretical, and empirical dimensions of international law. They will explore the distinction between public and private international law, and probe a range of general areas of law, including: human rights and humanitarian law, as well as specialized international law, including criminal; environmental; trade and investment; and space law. Students will analyze the application of international law at the national level, with special emphasis on the incorporation of international law within the law of Canada. They will examine the challenges of international treaty making; legal compliance and enforcement; international dispute resolution; and will explore the relationship between international law and international relations.

NOTE: This is a seminar course.

Prerequisites: 45 credits of 1100-level or higher, including 3 credits of POLI 1110 or 1125 or 1145 or 1150

Transferable (refer to transfer guide)

POLI 4420 CR-3**Issues in Public Policy and Administration**

Students will acquire a detailed factual and conceptual framework for the analysis of specific topics within the discipline of public policy and administration. They will critically examine such subjects as the role of government, government intervention, the role and structure of government bureaucracies, interest and pressure groups, the management of the political process, and the relationship between public and foreign policy.

NOTE: This is a seminar course.

Prerequisites: Any 3000 level POLI course

Transferable (refer to transfer guide)

POLI 4500 CR-3**Model United Nations**

Students will explore international organizations and parliamentary procedure with a particular focus upon the United Nations (UN). They will use a "learning by doing" approach to gain valuable experiences in engagement with foreign policies, UN functions and structure, research skills, public speaking, diplomacy, and negotiation and compromise. Students will examine the history and mandate of the UN's various principal organs and agencies through readings, case studies, role-playing and simulations. NOTE: students enrolled in this course will be required to participate in KPU's annual Model United Nations (KMUN) Conference, in order to apply their knowledge of the UN to real-world issues and to demonstrate their understanding of parliamentary procedure.

Prerequisites: POLI 1150 plus any 42 credits at the 1100-level or higher

Transferable (refer to transfer guide)

POWER LINE TECHNICIAN (PTEC)

PTEC 1098 CR-3

Physics and Math for Power Line Technicians

Students will learn the physics underlying electric power distribution and power line rigging, and the math necessary to use that physics. They will learn to predict the current, voltage, and power usage in various electric circuits, up to and including circuits of resistors in series and parallel with more than one power supply and circuits of resistors, capacitors and inductors in series or in parallel. Students will also learn to predict the forces involved in ensuring the safe construction and maintenance of electrical power lines.

Prerequisites: Prerequisites: [ABEM 0082 or 0011 or PSPM 1082 or MATP 1011 or Math 1093 or Principles of Math 11 or Applications of Math 11] and [ABEP 0088 or 0011 or PSPP 1088 or PHYP 1012 or Physics 11]

PTEC 1101 CR-3

Electrical Safe Work Practices and Regulations

Students will be introduced to provincial and electrical utility-specific safety regulations and policies. They will explore personal protective equipment selection, field communication procedures, energized line limits of approach, equipment and grid lock-out procedures and grounding as related to the electrical utilities industry. Students will perform practical exercises including: Fire Suppression, WHMIS, First Aid Level 1, and will acquire Transportation of Dangerous Goods training. They will operate in diverse environments (manhole, bucket truck, pole top).

PTEC 1103 CR-1.5

Introductory Computer Skills

Students will learn basic personal computer skills to search the Internet and to communicate information through e-mail, word processing, spreadsheets, and presentation software.

PTEC 1105 CR-1.5

Communications and Team Building

Students will practise and apply elements of communication skills, teamwork, problem-solving, and situational leadership. They will write resumes, cover letters, and will practise interviewing skills. Students will learn to respond effectively to critical incidents.

PTEC 1106 CR-1.5

Applied Electrical Theory

Students will learn the fundamental principles of electrical theory. They will apply these principles to single-phase motors and generators, single-phase transformation and transformer construction, polarity, ratios, series and parallel installation, and load checks. Students will also learn about single-phase, primary and secondary metering for the utility industry.

PTEC 1107 CR-1.5

Electrical Tools and Instruments

Students will learn the care and use of tools commonly used in the electric utility industry. They will learn how to select, use, and maintain hand tools and common power tools. Students will complete practical exercises.

PTEC 1108 CR-1.5

Electrical Utility Equipment

Students will operate some of the heavy equipment used in the electric utility industry and will care for hydraulic-equipped vehicles. They will gain familiarity with heavy-line equipment.

PTEC 1109 CR-1.5

Basic Rigging and Lifting

Students will learn the physics and practices of safe equipment-assisted lifts. They will use basic rigging and lifting equipment.

PTEC 1110 CR-3

Electrical Utility Climbing

Students will identify, select, use, and maintain electric utility wood-pole climbing equipment. They will test poles to assess if they can be climbed safely. Students will climb wood poles and structures, and will work on elevated and suspended platforms.

PTEC 1111 CR-2.5

Electrical Overhead and Underground Distribution

Students will learn the key parameters used in the identification and selection of electrical overhead hardware and supports. They will learn the principles of construction and maintenance of distribution lines. Students will identify line status and identify and select pertinent installation hardware to construct distribution lines.

PTEC 1113 CR-1

Physical Fitness

Students will practise to meet industry's physical bona fide occupational requirements embodied in a physical capacity test. They will complete a series of aerobic, strength, and flexibility routines performed three times a week to develop aerobic capacity.

PRODUCT DESIGN (DEPD)

DEPD 1100 CR-3

Design Methods and Materials

Students will be introduced to properties, potential, and the language of materials. They will learn about the processes of manufacturing and assembly that are used in product design. Students will develop insight into how materials behave and how information and understanding are used to guide design, decision-making in relationship to these materials and processes. They will explore materiality in developing design outcomes through a series of lectures, projects and workshops.

Co-requisites: DEPD 1130 DEPD 1130

Not Transferable

DEPD 1110 CR-3

Visualization for Product Design

Students will develop fundamental skills in visualization for product design (sketching, drawing, and rendering). They will apply theories, concepts, methods and materials comprehending how these hand visualization techniques are integral to the design process; how drawing is a means to an end, for example: communicating and analyzing ideas, simplifying complex problems and processes, persuading clients, manufacturers and users, and providing technical information about construction, assembly and use. Students will transfer these visualization skills to project work.

Co-requisites: DEPD 1100 and 1120 and 1130 DEPD 1100 and 1120 and 1130

Transferable (refer to transfer guide)

DEPD 1120 CR-3**Computer Fundamentals**

Students will examine basic computer hardware and software concepts, and the Internet, in relation to product design. They will use word processing and spreadsheet software to develop solutions for design and business problems. Students will explore the 2D and 3D capabilities of using various tools and techniques. They will design and build compositions to create print materials.

This course is similar to FMRK 1105. Students will not be able to earn credits for more than one of FMRK 1105 or DEPD 1120.

Transferable (refer to transfer guide)

DEPD 1121 CR-3**Construction Technologies**

Students will learn fundamental techniques and methods of construction technology related to soft materials for applications in product design. They will produce reference samples focusing on technical and production aspects of design projects. Students will become proficient in: industrial sewing techniques, patternmaking methods and applications, and textile selection for a variety of pliable materials, both natural and synthetic.

Not Transferable

DEPD 1130 CR-3**Design Thinking**

Students will be introduced to a number of strategies related to the design of products, such as methods of rational analysis and synthesis, formal design paradigms drawn from history, strategies for developing concepts, and making products meaningful to user groups. They will be introduced to the relationship of design thinking to the process of design. Students will understand the use of a diverse set of tools deployable within different design contexts or at different stages in the design process. They will use various techniques for exploring and representing design ideas to provide a foundation for future expertise in designing. Students will explore hybrid-thinking models through interdisciplinary actions that will provide a framework for leadership in their discipline.

Transferable (refer to transfer guide)

DEPD 1210 CR-3**Three-Dimensional Design: Product Design**

Students will apply creative and innovative problem-solving skills to comprehensive three-dimensional design projects focusing on product design, such as sportswear and accessories, protective and safety gear, rescue apparel, uniforms, and shelters. Students will expand their knowledge of materials, processes, and methods as well as three-dimensional modeling and prototyping techniques, along with presentation methods relating to industrial product production.

This course is similar to FIND 1210. Students will not be able to earn credits for more than one of FIND 1210 or DEPD 1210.

Prerequisites: DEPD 1100

Transferable (refer to transfer guide)

DEPD 1220 CR-3**Digital Technologies for Product Design**

Students will learn the fundamentals of digital manufacturing technologies using industry standard software, with a focus on computer-aided design (CAD) for product design. Students will learn to create and develop design ideas from data using three-dimensional modeling software. Students will extend their prior knowledge of computer applications to create and present innovative product designs geared to production. They will develop and explore generative design processes to produce virtual 3D products.

Prerequisites: DEPD 1120

Not Transferable

DEPD 1230 CR-3**Transformative Thinking for Product Design**

Students will be introduced to the complexities of societal threats and opportunities that affect design. They will understand the transformative nature of design that exists in a dynamic context. Students will study areas, such as cultural change, globalization, sustainability and technological advances, that will likely impact the design professions over the next decade.

Prerequisites: DEPD 1130 and ENGL 1100 (or permission of the instructor)

Not Transferable

DEPD 2310 CR-6**Design Explorations 1: Materials & Fasteners**

Students will explore concepts, materials, and fastening components appropriate to product design. They will apply critical thinking and creative problem-solving processes to explore and experiment with multiple combinations of materials, assembling and affixing technologies. Students will document their findings for future reference, and present the results of their explorations.

Prerequisites: DEPD 1210 and 1220 and 1230 and FIND 1150 and 1220

Co-requisites: DEPD 2320 DEPD 2320

Not Transferable

DEPD 2320 CR-3**Material Technology**

Students will investigate the technical aspects of soft materials in relation to product design. They will explore the profiles of natural and synthetic materials, including: classification, specification, structure, measurement, and performance. They will seek new uses and applications for soft materials, and consider environmental and technological factors appropriate to product design.

Prerequisites: DEPD 1210 and 1220 and 1230 and FIND 1150 and 1220

Co-requisites: DEPD 2310 DEPD 2310

Not Transferable

DEPD 2410 CR-6**Design Explorations 2: Materials in Context**

Students will further explore concepts, materials, and components, in response to specific criteria for diverse contexts in product design. They will apply critical thinking and creative problem-solving processes in exploring solutions that allow for products to be used differently and more effectively. Students will incorporate relevant socio-cultural, human factor research, and technologies into their design exercises, and present their process and results.

Prerequisites: DEPD 2310 and 2320 and MRKT 1199

Co-requisites: DEPD 2420 DEPD 2420

Not Transferable

DEPD 2420 CR-3**Production Technology**

Students will study various levels of production technology in product design. They will investigate and compare the principles and processes of current production and manufacturing requirements, and consider the limitations and comparative costs involved in forming materials to the required specifications (e.g. shape, size, and finish). Students will explore new resourceful and sustainable applications of production for product design.

Prerequisites: DEPD 2310 and 2320

Co-requisites: DEPD 2410 DEPD 2410

Not Transferable

DEPD 2430 CR-3**Socio-Cultural Issues in Design**

Students will consider essential concepts, theories and methods related to cultural issues and how these might impact the design of soft products. They will engage in critical thinking and creative problem-solving activities related to local, regional, and global issues, such as: social structures, economics, politics, gender, ethnicity, class and age; environment, sustainability and ethical practices.

Prerequisites: DEPD 1130 and 1210 and 1220 and 1230 and FIND 1150

Not Transferable

DEPD 2431 CR-3**Human Factors for Product Design**

Students will develop an understanding of ergonomics and human factors within the context of designing highly effective recreational and technical apparel and related soft products. They will research the relationship between product design and user needs for comfort, safety, well-being, and performance. They will explore methods for developing detailed user profiles and system requirements, and for evaluating design alternatives relative to functional and task variables; human needs, capabilities and limitations.

Prerequisites: ENGL 1100 and MRKT 1199

Transferable (refer to transfer guide)

DEPD 3510 CR-6**Design Engagement 1: Leisure and Sports Gear**

Students will respond to design briefs and engage in rigorously researching the design of soft goods products for leisure and sports gear. They will critically analyze existing and potential consumer markets, including under-represented demographic groups, with the aim of creatively improving such aspects as function, performance and comfort of products. Students will incorporate interdisciplinary knowledge and technologies into project work.

Prerequisites: DEPD 2410 and 2420 and 2431

Co-requisites: DEPD 3520 DEPD 3520

DEPD 3520 CR-3**Production Technology-Sourcing**

Students will study sourcing as a major aspect of production technology in soft product design. They will create specifications that include: sizing/grading, product measurements, bills of materials to gather components, vendor information, critical paths, and efficient, lean manufacturing techniques.

Prerequisites: DEPD 2410 and 2420 and 2430 and 2431 and MRKT 1199

Co-requisites: DEPD 3510 DEPD 3510

Not Transferable

DEPD 3530 CR-3**Semiotics for Product Design**

Students will reflect on the relationship between semiotics (the study of sign systems) and product design. They will analyze major theories and current discourse to explore how signs and symbols, codes and conventions are used to convey meaning in the marketplace. Students will investigate the types of messages soft goods products communicate in different contexts.

Prerequisites: ENGL 1100 and MRKT 1199

Not Transferable

DEPD 3610 CR-6**Design Engagement 2: Special Protective Gear**

Students will further their skills in responding critically and creatively to designing protective gear for dangerous, and unpredictable contexts, e.g. search and rescue, law enforcement, health and safety, and military activities. They will confer with users and critically analyze their needs, with the aim of innovatively and economically improving such aspects as, function, performance and comfort. Students will consider the manufacturing requirements in the development of their solutions.

Prerequisites: DEPD 3510 and 3520

Co-requisites: DEPD 3620 and 3630 DEPD 3620 and 3630

Not Transferable

DEPD 3620 CR-3**Product Manufacturing**

Students will study production operations management and process sequencing. They will assess existing examples of product design to analyze the steps required in prototype manufacturing, evaluating the compatibility of materials with the design concept and end use. Students will connect with industry in order to develop a critical manufacturing path relevant to soft product manufacturing.

Prerequisites: DEPD 2431 and 3510 and 3520

Co-requisites: DEPD 3610 DEPD 3610

Not Transferable

DEPD 3630 CR-3**Industry Experience**

Students will initiate and complete a faculty-approved, industry-related experience relevant to product design and manufacture, e.g. a work arrangement, an educational study tour, a set of trade shows, visits to manufacturing plants, or contributor at a major conference. They will observe and record their experiences, relate them to their course work, and provide documented evidence of the practical knowledge gained and its potential application.

Prerequisites: DEPD 3510 and 3520 and ENGL 1100 and MRKT 1199

Co-requisites: DEPD 3610 and 3620 DEPD 3610 and 3620
Not Transferable

DEPD 4710 CR-6**Design Convergence 1: Research & Ideation**

Students will synthesize their knowledge and skills, by completing feasibility studies of a major industry-related project that highlights their personal abilities in product design. They will engage in rigorous research, brainstorm and test ideas, and propose strategies for future development. Students will probe and justify the economic viability, environmental impact, and the technologies required for realization. Students will make professional presentations about their feasibility studies to the university and the community.

Prerequisites: DEPD 3610 and 3620 and 3630

Co-requisites: DEPD 4720 DEPD 4720

Not Transferable

DEPD 4720 CR-3**Products & Business Scenarios**

Students will analyze the relationship between soft products and business scenarios. They will analyze circumstances from a global perspective in relation to today's economy. They will study international trade agreements and the legality of trade, and integrate socio-political factors into their research. Students will envision a business scenario, including product development, business supply chain, along with market research and cost estimates.

Prerequisites: DEPD 3610 and 3620 and 3630

Co-requisites: DEPD 4710 DEPD 4710

Not Transferable

DEPD 4810 CR-9**Design Convergence 2: Realization & Praxis**

Students will produce a final prototype of their major, industry-related project in product design. They will respond to research completed previously, by advancing and implementing their design strategies. Students will integrate interdisciplinary content; technological advances; specify appropriate manufacturing processes; estimate the economic viability; predict the environmental and ethical impacts of their design decisions. They will demonstrate and defend their solution through comprehensive presentations, documents, to the university and the community.

Prerequisites: DEPD 4710 and 4720

Not Transferable

DEPD 4831 CR-3**The Business of Product Design**

Students will practice professional business and leadership skills relevant to engagement in the product design profession. They will prepare themselves with appropriate knowledge, skills and tools, e.g. resumes, business proposals, portfolios and other documents typically required in business and manufacturing environments. Students will discuss business procedures, marketing plans, financial management, fee proposals and contracts, intellectual property issues, government regulations, ethical and professional liability issues.

Prerequisites: DEPD 4710 and 4720 and MRKT 4177

Co-requisites: DEPD 4810 DEPD 4810

Not Transferable

PSYCHIATRIC NURSING (PSYN)**PSYN 1100 CR-5****Individuals and Their Health**

Students will explore the personal meaning of health. They will complete health assessments, and counsel individuals on health maintenance in the practice setting. Students will examine select theoretical and conceptual frameworks addressing caring, mental health, and the role of the Registered Psychiatric Nurse (RPN) in working with individuals. They will explore the individual's experience of health and how it's affected by social determinants.

Co-requisites: ENGL 1100 and PSYC 1100 and BIOL 1160 ENGL 1100 and PSYC 1100 and BIOL 1160

PSYN 1200 CR-5**Families and Their Health : Psychiatric / Mental Health Nursing**

Students will recognize the effects of mental health challenges in the individual and the family. They will apply psychiatric nursing interventions guided by nursing theories and the lived experience of families.

Prerequisites: PSYN 1100

Co-requisites: ANTH 1100 and BIOL 1260 and three credits of 1200-level ENGL

PSYN 2101 CR-9 (formerly PSYN 2100)**Groups and Their Health: Psychiatric/Mental Health Nursing**

Students will examine roles, relationships, challenges, and interventions for groups. They will apply select theories of group dynamics in co-leading small heterogeneous and homogeneous groups composed of persons experiencing mental health challenges. Students will experience the role of the RPN in working through stages such as forming, norming, storming and performing.

Prerequisites: PSYN 1200

Co-requisites: PSYN 2120

PSYN 2120 CR-3**Pharmacology and Other Therapeutics: Psychiatric/Mental Health Nursing**

Students will learn pharmacodynamics: generic and trade names of medications, formulary drugs, non-formulary drugs, alternative, traditional and complementary therapies. They will practice safe medication administration including preparing and administering drugs, and assessing responses to medications and other therapeutics in simulations.

Prerequisites: PSYN 1200

Co-requisites: PSYN 2101 PSYN 2101

PSYN 2201 CR-8 (formerly PSYN 2200)**Psychiatric/Mental Health Nursing: Acute Care as Community**

Students will apply select theories to maintain, restore, or improve the health of people in acute care communities. They will assess these communities using both a needs assessment and a community development model to facilitate informed health care decision-making. Students will apply knowledge of acute health care challenges and use nursing assessment and intervention skills in caring for individuals in a community context.

Prerequisites: PSYN 2101 and PSYN 2120 and SOCI 1125 and (ANTH 2142 or CRIM 2330)

PSYN 3100 CR-7**Community Health: Psychiatric Mental Health Nursing**

Students will apply community development models working with communities to maintain, restore, or improve the health of people in communities. They will have practice in a variety of communities where psychiatric and mental health needs can be addressed.

Prerequisites: PSYN 2201 or (CAHS 3500 or NRSNG 3190 for RPN's only)

Co-requisites: PSYN 3120 and WOMN 3100 PSYN 3120 and WOMN 3100

PSYN 3120 CR-3**Psychiatric/Mental Health Nursing: Health Care Economics, Leadership and Management**

Students will explore theory of basic economics and management with a focus on health care in Canada. They will develop leadership skills, group facilitation talents, and basic business planning and budget preparation. Students will work with an agency and will propose creative financial solutions to health care that maintains quality of care. They will integrate conflict resolution models, develop an understanding of working with unions, and be introduced to policy analysis. Students will also utilize nursing informatics.

Prerequisites: PSYN 2201

PSYN 3200 CR-7**Global Problems and Health**

Students will apply concepts and theories to address health challenges related to crises and environmental factors. They will examine the relationship between environment and health including epidemiological analysis, policy, and assessment on a local and global level. Students will work with a community on an identified crisis and/or environmental health issue. They will also explore the relationship of health and harmony to the land, natural world, and environment, from many perspectives including Aboriginal people's perspective.

Prerequisites: PSYN 3100 and WOMN 3100

Co-requisites: PSYN 3220 and PSYN 3230 and PSYN 3240

PSYN 3220 CR-2**Issues in Mental Health Nursing**

Students will use critical social theory to explore current issues and societal trends associated with the oppression of people experiencing mental health issues. They will explore the role of the Registered Psychiatric Nurse (RPN) in relation to these issues and societal trends.

Prerequisites: PSYN 3100 and WOMN 3100

Co-requisites: PSYN 3200 and PSYN 3230 and PSYN 3240

PSYN 3230 CR-3**Psychiatric/Mental Health: Nursing Research**

Students will enhance their abilities to participate in the research process through critically reflecting on various research methodologies. They will develop their abilities to comprehend, critique and utilize research. Students will experience ways to transform personal inquisitiveness into a process of posing, exploring, and answering researchable questions. They will explore ways to critically examine their practice in relation to research. Students will explore the political considerations in conducting research.

Prerequisites: PSYN 3100

Co-requisites: PSYN 3200 and PSYN 3220 and PSYN 3240

PSYN 3240 CR-3**Qualitative and Quantitative Analysis**

Students will learn techniques commonly used in the analysis of both qualitative and quantitative data. They will engage in the process of qualitative analysis through examining qualitative data, data coding, and thematic construction. Students will also examine a range of descriptive and inferential statistical approaches to quantitative analysis using a computer-based system.

Prerequisites: PSYN 3100 and PSYN 3120

Co-requisites: PSYN 3200 and PSYN 3220 and PSYN 3230

PSYN 4100 CR-7**Capstone Course: Psychiatric / Mental Health Nursing**

Students will collaborate with peers to suggest course content based on course concepts and self-identified learning needs. They will practice in a variety of clinical settings to integrate learning from previous nursing and non-nursing courses. Students will apply advanced nursing skills in counseling, psychotherapy, and case management as they work with individuals, families and groups.

Prerequisites: PSYN 3200

Co-requisites: PHIL 3010 and SOCI 3345 PHIL 3010 and SOCI 3345

PSYN 4200 CR-10**Psychiatric/Mental Health Nursing: Preceptorship**

Students will participate in a Preceptorship of their choice, based on availability of preferred placements. They will increase knowledge and skills to develop independence and confidence as a practitioner in the field of psychiatric/mental health nursing.

Prerequisites: PSYN 4100

PSYCHOLOGY (PSYC)**PSYC 1100 CR-3****Introduction to Psychology: Basic Processes**

Students will study topics related to basic psychological processes. They will critically examine areas such as the biological basis of behaviour, sensation, perception, states of consciousness, learning and memory. Students will learn about the historical and philosophical contexts behind the development of psychology and the research methods used by psychologists.

Transferable (refer to transfer guide)

PSYC 1200 CR-3**Introduction to Psychology: Areas and Applications**

Students will study topics related to applications of psychological processes. They will critically examine areas such as cognition, motivation, emotion, theories of personality, development over the life span, the psychology of health and well-being, psychological disorders, approaches to treatment and therapy, and principles of social and cultural psychology.

Transferable (refer to transfer guide)

PSYC 2300 CR-3**Applied Statistics**

Students will learn to apply descriptive and inferential statistics in the analysis of behavioral research

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2308 CR-3**History and Systems of Contemporary Psychology**

Students will study the evolution of psychology's modern history, beginning approximately in the nineteenth century. They will analyze the debates, important discoveries, famous experiments, and differences seen amongst competing traditions within psychology. Students will examine the limitations of an historical approach to psychology.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2315 CR-3**Brain and Behaviour**

Students will demonstrate how normal and abnormal behaviour in both humans and animals may be understood through knowledge of the function of the brain and its underlying structure. They will examine psychophysicologists' current understanding of brain and nervous system involvement in areas such as sensation, perception, movement, memory, psychopathology, and recovery from brain damage.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2320 CR-3**Developmental Psychology: Childhood**

Students will study the process of human development from conception to adolescence, including major principles of development and the descriptive changes in child growth and behaviour. They will study the implications of theory and research findings for areas such as learning, personality, social behaviour, and psychopathology.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2321 CR-3**Developmental Psychology: Adolescence**

Students will examine the physical, cognitive, emotional and social changes that contribute to psychological development during adolescence. They will explore and discuss the implications of the major theories and research findings in the field of adolescent development.

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2322 CR-3**Developmental Psychology: Adulthood**

Students will become familiar with the developmental processes from young adulthood through old age. They will study the implications of specific periods/stages, such as parenting, career choice, role changes and losses, including dying and death.

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2330 CR-3**Social Psychology**

Students will explore psychological processes that occur in groups and their influence on the individual around such topics as social beliefs, self-esteem, prejudice, aggression, interpersonal attraction and intimate relationships, attitudes and behaviour, persuasion, conformity, and decision-making. Students will apply knowledge of these concepts to a wide variety of settings that may include law, business, and health.

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2350 CR-3**Psychopathology**

Students will critically examine historical and contemporary approaches to the understanding of psychological disorders and explore issues associated with diagnosis and classification. Students will study specific classifications of psychological disorders including anxiety, somatoform, dissociative, mood, personality, eating and psychotic disorders.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2370 CR-3**Psychology of Personality**

Students will analyze Western personality theories such as the Psychoanalytic perspective, the Existential perspective, the Trait perspective, the Behavioural-Cognitive perspective, and the Humanistic perspective, among others.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2375 CR-3**Perception**

Students will study the psychology of perception. They will learn about depth perception, colour perception, attention, spatial processing, audition and smell.

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2385 CR-3**Cognition**

Students will study cognitive processes, including memory, problem solving, reasoning, attention, spatial abilities and decision making.

Prerequisites: PSYC 1100 and PSYC 1200

Transferable (refer to transfer guide)

PSYC 2400 CR-3**Experimental Psychology: Research Methodology**

Students will examine the scientific method as a way of studying behavioral phenomena and explore research paradigms commonly used in psychology.

Prerequisites: PSYC 1100 and 1200

Transferable (refer to transfer guide)

PSYC 2430 CR-3**Social Psychology: Theory and Research**

Students will apply the theory, principles and methods of research learned in Social Psychology 2330 by doing an in-depth research investigation in their chosen area of interest. They will present a final research report orally and in written form.

Prerequisites: PSYC 2330

Transferable (refer to transfer guide)

PSYC 2450 CR-3**Clinical Psychology: Psychotherapy**

Students will explore the practice of clinical psychology. They will learn about assessment techniques, legal and ethical issues, effectiveness of therapy and major theoretical approaches to therapy.

Prerequisites: PSYC 2350

Transferable (refer to transfer guide)

PSYC 3010 CR-3**Human Sexuality**

Students will critically examine current research and theoretical perspectives that define the study of human sexuality. They will examine the interactive effects of physiology, cognition, socioemotional development, and culture on sexual development, sexual expression, sexual orientation, and gender-identity. Students will engage in critical discourse as it relates to sexuality in the media and society and will argue, with reference to empirical evidence, for or against contentious issues in human sexuality.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2400

Transferable (refer to transfer guide)

PSYC 3200 CR-3**Industrial and Organizational Psychology**

Students will learn to apply principles of psychology to create well-functioning and efficient organizations. They will focus on motivation to work, personnel selection and evaluation, employee development and relationships, with an emphasis on the application of psychological principles of individual behavior and group dynamics in various types of community and industrial organizations.

Prerequisites: PSYC 2300 and 2330 and 2400

Transferable (refer to transfer guide)

PSYC 3210 CR-3**Attitudes and Persuasion**

Students will critically examine the nature of attitudes, the relationship between attitudes and behaviour, the formation of attitudes, and the changes of attitudes through persuasion and influence. They will analyze current and past theories of persuasion and will learn to recognize applications of these theories in advertisements, political rhetoric, and other sources of influence.

Prerequisites: PSYC 2300 and PSYC 2330 and PSYC 2400

PSYC 3215 CR-3**Psychology of Memory**

Students will engage in an in-depth examination of memory, one of the central areas in cognitive psychology. They will critically examine modern memory theory in its historical context, from the earliest works on forgetting to modern structural and processing theories. Student will also critically examine the neurology of memory, memory impairment and memory changes over the lifespan.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2385 and 2400

Transferable (refer to transfer guide)

PSYC 3220 CR-3**Group Dynamics**

Students will explore the processes that occur among individuals within groups, as well as the processes involved when groups interact with each other. They will examine the functions and structure of groups, leadership, conformity pressure, group decision making, group performance and productivity. They will also gain knowledge about conflict and cooperation within groups and between groups. Throughout the course, students will learn to analyze group dynamics in their own experiences participating in and observing groups.

NOTE: This is a seminar course.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 3300 CR-3**Applied Statistics II**

Students will learn about statistical analyses and commonly used research designs in behavioural research, including analysis of variance (ANOVA) models, correlation, regression and multiple regression, as well as chi-square procedures, focusing on both conceptual understanding and practical application. They will learn computer software applications commonly used by potential employers to analyze data sets and interpret results.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2400

Transferable (refer to transfer guide)

PSYC 3303 CR-3**Learning: Theory and Practice**

Students will critically examine classical and modern learning theory, including such areas as habituation, sensitization, classical and operant conditioning, modeling, concept formation, and how the theoretical perspectives on these topics relate to the cognitive perspective. They will investigate aspects of learning theory such as generalization, discrimination, reinforcement and punishment in the light of both animal and human learning. Students will explore and discuss issues of stimulus control and the application of learning principles in everyday life.

Prerequisites: PSYC 2300 and PSYC 2400

PSYC 3307 CR-3**Historical and Philosophical Foundations of Psychology**

Students will critically analyze selected themes within the intellectual history of western civilization from early origins to the present time, with particular emphasis on ideas that form the background of contemporary psychology.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 3311 CR-3**Psychology of Consciousness**

Students will engage in an in-depth examination of the psychology of consciousness, one of the most fascinating and least understood frontiers of science. They will critically examine the phenomena associated with consciousness from a strictly scientific perspective. Students will critically explore, debate and discuss the historical overview of thinking on consciousness including the mind-body problem, theories of consciousness, altered states of consciousness, how consciousness interacts with the laws of physics, the current cognitive neuroscience approaches to understanding the processes involved in consciousness, and consciousness and quackery.

Note: This is a seminar course.

Prerequisites: PSYC 2300 and PSYC 2400

PSYC 3316 CR-3**Infancy**

Students will explore current research trends and theoretical perspectives in the field of infant development. They will critically examine genetics and prenatal development, labour and birth, and the developmental processes of physical growth, brain maturation, cognition, sensation, perception, and learning in infancy. Students will analyze the process of attachment and emotional development, and the environmental and interpersonal conditions associated with optimal pre- and postnatal development.

Prerequisites: 45 credits at the 1100 level or higher, including PSYC 2300 and PSYC 2400 and (PSYC 2320 or PSYC 2321)
Transferable (refer to transfer guide)

PSYC 3320 CR-3**Drugs and Behaviour**

Students will learn about psychopharmacology and neurophysiology as it relates to psychoactive drugs. They will examine in depth the different classes of drugs, stimulants, hallucinogens, and tranquilizers and their various effects on the nervous system, as well as the relationship between those effects and drug-induced changes in behaviour. Students will also critically analyze historical and current aspects of social policy and its basis, including possible topics such as research on usage, availability, a discussion of the effects of patent laws and the use of drugs in sports.

Note: This is a seminar course.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2315 and 2400
Transferable (refer to transfer guide)

PSYC 3325 CR-3**Psychology of Gender**

Students will critically examine current research and theoretical perspectives on gender. They will examine the biological, cognitive, social, and cultural variables linked to gender identity. Students will explore, debate and discuss gender issues, gender roles, gender stereotypes, and gendered communication.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2330 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3343 CR-3**Psychology of Prejudice**

Students will critically examine current research and theoretical perspectives on prejudice. They will learn the cognitive and social origins of prejudice. Students will explore and discuss forms of prejudice and discrimination pertaining to ethnic, racial, national, and religious groups. They will explore and discuss strategies to counter prejudice.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2330 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3350 CR-3**Advanced Topics in Psychopathology**

Students will engage in an in-depth examination of specific classifications of adult psychopathology on topics varying from year to year, such as personality disorders, sexual and gender identity disorders, substance abuse disorders, cognitive and psychophysiological disorders, psychological disorders associated with aging, impulse control disorders, mood disorders, sleep disorders, and psychotic disorders. Students will expand their knowledge of DSM diagnoses, explore issues around differential diagnosis and comorbidity, critically examine current diagnostic classification systems, consider recent research in the area, and explore gender, social and cultural issues in the diagnosis and treatment of psychological disorders. Students will develop their familiarity with diagnostic criteria and the course of specific disorders through media and textbook clinical cases.

Note: This is a seminar course

Prerequisites: PSYC 2300 and PSYC 2350 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3370 CR-3**Advanced Personality Theory**

Students will examine and analyze original readings within the area of Personality Theory. They will discuss and evaluate readings from the following areas: psychoanalytic, analytical, object relations, individual, interpersonal, existential and phenomenological, humanistic, transpersonal, trait, behavioural, feminist, biological, cognitive, somatic, and eastern perspectives.

Note: This is a seminar based course.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2370 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3400 CR-3**Applied Research I**

Students will learn how to carry out research using experimental, quasi-experimental, and complex correlational designs. They will learn how to plan a course of research, design and implement a study, analyze and interpret the results, and communicate the findings to a variety of audiences including the academic and local communities.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2400
Transferable (refer to transfer guide)

PSYC 3450 CR-3**Clinical Psychology: Intervention**

Students will learn about the practice of clinical psychology. They will critically examine assessment techniques, legal and ethical issues, as well as theory, practice, and outcome research of major approaches to therapeutic intervention and prevention.

Note: This is a seminar course.

Prerequisites: PSYC 2300 and PSYC 2350 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3451 CR-3**Psychology and Law**

Students will critically examine the relationship between psychology and the law. They will analyze the roles that cognitive, social, and clinical psychology play in both criminal and civil matters. Students will analyze and interpret research in areas such as jury decision making, eyewitness memory of children and adults, expert testimony, competency, criminal responsibility, police investigations, and risk assessment.

Note: This is a seminar course.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2400
Transferable (refer to transfer guide)

PSYC 3500 CR-3**Interpersonal Relations I**

Students will survey select issues of interpersonal relations relevant to working effectively with others and interacting successfully in the workplace. They will critically examine topics such as interpersonal influence, impression formation and management, nonverbal communication, individual differences, obstacles to effective interaction, social roles and power.

Prerequisites: PSYC 2330 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3600 CR-3**Health Psychology**

Students will learn how the discipline of psychology addresses the prevention and treatment of illness, and the promotion of psychological and physical health. They will explore the nature of stress, illness-prone personality types, and health management from a psychobiological perspective.

Prerequisites: PSYC 2300 and PSYC 2330 and PSYC 2400

PSYC 3800 CR-3**Evolutionary Psychology**

Students will critically discuss research and present the theories, methods, and current issues in the field of evolutionary psychology as it applies to human and animal behaviour. Students will focus in particular on the history of evolutionary thought, methods for testing evolutionary hypotheses, the problems of survival, mating strategies, parental care, kinship, cooperation, aggression, dominance hierarchies, memes, and Darwinian medicine.

Note: This is a seminar course.

Prerequisites: PSYC 2330 and PSYC 2400

PSYC 3910 CR-3**Neuropsychology**

Students will learn the basic principles of neuropsychology as they relate to brain function and behaviour, especially in the context of the workplace and rehabilitation. Students will examine experimental and clinical neuropsychology and neurology. Students will identify sensory, motor, cognitive and affective disturbances resulting from brain damage and dysfunction, and the tests administered in their diagnosis. Students will participate in field trips to neuropsychological testing sites and hospitals where available.

NOTE: This is a seminar-based course.

Prerequisites: PSYC 2300 and PSYC 2315 and PSYC 2400

PSYC 3920 CR-3**Aging**

Students will critically examine fundamental psychological processes from mid-life onward, including current research with emphasis on physical changes, sensation and perception, work, social relationships, the self and sense of well-being. They will develop skills and awareness of issues related to working with older adults.

Prerequisites: 60 credits of 1100-level or higher courses including PSYC 1200 or (PSYC 1100 and PSYN 1200); PSYC 2322 highly recommended
Transferable (refer to transfer guide)

PSYC 3930 CR-3**Consumer Psychology Research & Applications**

Students will examine the psychology of consumer behavior and advertising. They will review the cognitive and social psychological literature with an emphasis on experimental research.

Prerequisites: PSYC 2300 and PSYC 2330 and PSYC 2385 and PSYC 2400
Transferable (refer to transfer guide)

PSYC 3940 CR-3**Adult Education**

Students will learn theories, research findings, and techniques applicable to training adult learners. They will explore a variety of contexts within which adult students learn, and will practice training techniques in simulated or actual settings.

Prerequisites: 45 credits at the 1100 level or higher, including PSYC 2300 and 2400
Not Transferable

PSYC 3950 CR-3**Cognitive Ergonomics**

Students will study cognitive processing as it relates to human-machine interactions. They will examine information theory, attention and spatial displays, language and communication, memory, decision-making, manual control, human error, process control, automation, and human computer interaction. They will explore several case studies in reference to these issues.

Note: This is a seminar course.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2385 and 2400
Transferable (refer to transfer guide)

PSYC 3960 CR-3**Program Evaluation**

Students will learn to evaluate the effectiveness of institutional programs and procedures, including human service programs and corporate procedures. They will learn to identify the elements of effective programs and how to conduct needs assessments. Students will also learn how to do background preparation including liaising with different stakeholders, as well as designing, implementing, reporting and presenting evaluations of programs.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2400

Not Transferable

PSYC 3970 CR-3**Community Psychology**

Students will learn about social institutions and their policies and how they affect the mental and physical health of individuals and groups living within communities. They will learn about primary, secondary and tertiary preventive strategies and measures that can be used for promoting health used by community-based multidisciplinary and multicultural agencies and programs. Students will explore career opportunities within these programs.

Prerequisites: 45 credits at the 1100 level or higher, including PSYC 2300 and 2400

Not Transferable

PSYC 3980 CR-3**Environmental Psychology**

Students will critically examine theory and application in the field of environmental psychology and the interrelationships between ourselves and the environmental systems in which we live and work. They will study specific topics such as the history and scope of environmental psychology; theories of environment and behaviour; environmental stress; natural environments; built environments; designing for humans; specialized living and working environments and behavioural change in relation to contemporary global environmental issues.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2330 and (PSYC 2400 or CRIM 1208 or SOCI 2260)

Transferable (refer to transfer guide)

PSYC 4000 CR-3**Practicum**

Students will identify, select, design, manage, and present a comprehensive applied psychology project that will meet the requirements of a client organization under the co-supervision of the employer and a faculty member. They will meet regularly throughout the semester with a faculty member to discuss their progress, and will produce a final report describing their project and its result upon completion of the practicum.

Prerequisites: PSYC 4400 (PSYC 4800 recommended)

Transferable (refer to transfer guide)

PSYC 4100 CR-3**Tests and Measurement**

Students will study the basic principles of psychological testing including norms, reliability, validity, item response theory, scaling, scoring methods, item analysis, and ethical standards. They will experience taking and interpreting tests. They will focus on the use of appropriate standardized occupational tests and the development of evaluation instruments in the work setting.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 4150 CR-3**Psychology and Sustainability: Attitudes and Behaviour**

Students will explore the challenges involved in changing attitudes and behaviour as it pertains to sustainability policy. They will examine the foundations of attitudes, how they are formed, changed and their relationship to behaviour. Students will also learn what makes persuasion campaigns effective, as well as individual and social factors that interfere with attitude-behaviour consistency. They will learn to apply this knowledge to the evaluation of sustainability policy designed to change attitudes and behaviour. Note: (1) This course is a requirement for the BA in Policy Studies. For Psychology students this course counts as a general elective not a psychology major/minor credit. (2) This course is cross-listed as POST 4150. Students who have taken POST 4150 may not register for this course.

Prerequisites: 60 credits of 1100 or higher

Not Transferable

PSYC 4200 CR-3**Human Factors: Technology and Behaviour**

Students will study the human role in modern systems, with a focus on the design of systems that optimize performance, productivity, and human well-being. They will examine the history of human factors and ergonomics; human and system capabilities and limitations (physical, perceptual, and cognitive); environmental stress effects; task analysis; performance measurement; human error, and workspace design. Students will examine several case studies that exemplify various types of human factors problems and intervention strategies.

Note: This is a seminar-based course.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 4210 CR-3**Critical Thinking in Psychology**

Students will examine and critically analyze information from different sources such as advertising, the Internet, magazines, news, and interpersonal communication. They will differentiate between science and pseudoscience, and question core assumptions and beliefs.

Note: This is a seminar course.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 4315 CR-3**Neuroscience**

Students will examine brain function in depth by focusing on the biophysics of neural membranes, ion channels/receptors, neurotransmission, and signaling. They will examine the biophysiological mechanisms underlying neural development, neural organization, learning and memory, and brain dysfunction.

Note: This is a seminar-based course.

Prerequisites: PSYC 2300 and PSYC 2315 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 4350 CR-3**Developmental Psychopathology**

Students will engage in an in-depth exploration of developmental psychopathology from infancy to adolescence with an emphasis on the characteristics of disorders most commonly identified in childhood, including their determinants and potential outcomes. They will critically explore, debate, and discuss current theories and research as well as recent trends in intervention and prevention. Students will critically examine developmental psychopathology within the broader contexts of family, school, culture, and the community while investigating the ethical and challenging issues related to the research and diagnosis of childhood disorders.

Note: This is a seminar course.

Prerequisites: PSYC 2300 and PSYC 2350 and PSYC 2400 and (PSYC 2320 or PSYC 2321)

Transferable (refer to transfer guide)

PSYC 4400 CR-3**Research Methods II: Qualitative Methodologies**

Students will design and implement research projects using qualitative methodologies such as case studies, phenomenological interviews, surveys, focus groups and accessing archival data. They will learn how to analyze qualitative data using appropriate techniques such as horizontalization, clustering, and thematic analysis, and open, axial, and selective coding.

Prerequisites: 45 credits at the 1100 level or higher including PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 4500 CR-3**Interpersonal Relations II**

Students will survey issues of interpersonal relations relevant to working effectively with others and interacting successfully with customers and clients. Students will critically examine interpersonal problems and solutions involved in working with, understanding, and getting along with others. They will explore theory and research in the areas of conflict and aggression, cooperation, prejudice, cultural diversity, and community psychology.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and 2330 and 2400

Transferable (refer to transfer guide)

PSYC 4600 CR-3**Positive Psychology**

Students will explore, evaluate, and apply findings from positive psychology—an area of psychology relying on social science methods to study human well-being, human strengths, and factors that enable some people to flourish in the face of adversity. They will compare the major theories of positive psychology and will examine the historical background of positive psychology. Students will develop expertise in the use of social science methodology to study human strengths and well-being. Students will also develop expertise in distinguishing justified from unjustified interpretations of research in positive psychology.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2300 and (PSYC 2400 or CRIM 1208 or SOCI 2260)

Transferable (refer to transfer guide)

PSYC 4650 CR-3**Psychology of Genocide**

Students will apply theories from social and personality psychology to the understanding of the causes, correlates, and consequences of genocide and mass killing. They will think critically about the complex and multi-factorial relationships found in the real world. Students will explore the psychology of different groups of people associated with genocide, including perpetrators, bystanders, rescuers, and survivors. Students will also learn about the extent to which the discipline of psychology itself has been shaped by various episodes of genocide and other mass killing.

Prerequisites: 45 Credits at the 1100 Level or higher, including PSYC 2330 and PSYC 2300 and (PSYC 2400 or CRIM 1208 or SOCI 2260)

Transferable (refer to transfer guide)

PSYC 4700 CR-3**Culture and Psychology**

Students will critically examine research findings pertaining to the influence of culture on human behavior including issues of ethnicity and race, the acculturation process, self and identity, health beliefs and practices, language and accent, interpersonal attraction and intimate relationships, prejudice and discrimination. They will explore the practical applications of these findings to day-to-day life involving interactions with culturally diverse individuals, and develop greater inter-cultural sensitivity. Note: This is a seminar course

Prerequisites: PSYC 2300 and PSYC 2330 and (PSYC 2400 or CRIM 2103 or SOCI 2260 or MATH 2335)

Transferable (refer to transfer guide)

PSYC 4800 CR-3**Professional & Ethical Issues**

Students will examine ethical codes/requirements and issues in applied research, and regulations governing the practice of psychology in Canada and the US and, more specifically, in British Columbia. Students will also prepare for job searching by creating effective portfolios and resumes, and by developing effective job search techniques and interviewing styles.

Prerequisites: 45 credits at 1100-level or higher, including PSYC 2300 and 2400

Not Transferable

PSYC 4900 CR-3**Special Topics in Psychology**

Students will engage in an intensive study of a selected topic in psychology. This study will include the development of a proposal, writing reports and presenting the results.

Note : The area of study will be established in advance by the department.

Prerequisites: PSYC 2400

PSYC 4910 CR-3

Rehabilitation

Students will learn about the field of rehabilitation psychology. They will learn many of the issues which rehabilitation psychologists need to consider when working with people who have acquired a physical disability. They will learn about the work of rehabilitation psychologists, other rehabilitation professionals and the role of psychology in aiding the rehabilitation of individuals with acquired disabilities. Students will examine some common disabling conditions which may include brain injury, stroke, Parkinson's disease, spinal cord injury, amputation, and sensory impairment. They will study the psychological, social, medical, and vocational effects of such conditions.

Note: This is a seminar based course.

Prerequisites: PSYC 2300 and PSYC 2400

Transferable (refer to transfer guide)

PSYC 5000 CR-6

Honours Thesis I (BAA)

Students will carry out a detailed investigation of a topic of interest relevant to psychology. They will carry out the investigation under the supervision of a faculty member with expertise in the area, in the form of a literature survey and review. Students will be required to identify relevant sources of information and will submit a final paper representing an original literature review and an empirical research design.

NOTE: This is a seminar-based course. The final paper for this course will be used for subsequent completion of a thesis in PSYC 5010. Students are strongly advised to seek methodological advice in the development of their proposal.

Prerequisites: PSYC 3300 (B+) and PSYC 3400 (B+), and permission of supervisor and permission of Psychology Honours Committee

Not Transferable

PSYC 5001 CR-6

Honours Thesis I (BA)

Students will carry out a detailed investigation of a topic of interest relevant to psychology. They will carry out the investigation under the supervision of a faculty member with expertise in the area, in the form of a literature survey and review. Students will be required to identify relevant sources of information and will submit a final paper representing an original literature review and an empirical research design.

NOTE: This is a seminar-based course

Prerequisites: Permission of Psychology Honours Committee and PSYC 3300 (B+) and [PSYC 3400 (B+) or PSYC 3334 (B+)]

PSYC 5002 CR-6

Honours Thesis I (BSc)

Students will carry out a detailed investigation of a topic of interest relevant to psychology. They will carry out the investigation under the supervision of a faculty member with expertise in the area, in the form of a literature survey and review. Students will be required to identify relevant sources of information and will submit a final paper representing an original literature review and an empirical research design.

NOTE: This is a seminar-based course.

Prerequisites: PSYC 3300 (B+) and PSYC 3400 (B+) and permission of supervisor and permission of Psychology Honours Committee

Not Transferable

PSYC 5010 CR-6

Honours Thesis II

Honours candidates will carry out research under the supervision of a faculty member with expertise in the area selected. They will use the information obtained from the literature review in PSYC 5000 or 5001 or 5002 to help identify specific issues for research. Candidates will, using appropriate methods, collect and interpret data, and write a thesis on the results of the project, and will present their thesis.

Note: Candidates are strongly advised to seek methodological advice in the development of their proposal.

Prerequisites: PSYC 5000 (B) or PSYC 5001 (B) or PSYC 5002 (B). This course may not be repeated without special permission of department.

PUBLIC RELATIONS (PRLN)

PRLN 1120 CR-3

PR Writing Fundamentals

Students will develop proficiency in public relations writing skills. They will study the principles of public relations writing to help achieve corporate objectives through professional communication on behalf of an organization. Students will study the role of research, objectives, audiences, and channels in public relations writing as well as how to persuade and frame an argument, conduct audience analysis and use Canadian Press Style. They will gain practical experience in writing and designing a corporate newsletter.

Co-requisites: PRLN 1140, PRLN 1141

PRLN 1140 CR-3

Digital Applications for Print Media

Students will learn a variety of computer applications for the production of print-ready communications. They will develop the skills and knowledge needed to generate effective print materials used in the public relations field. Students will work with various Windows-based programs such as MS Office and Adobe Creative Suite to design and print a variety of professional materials.

Co-requisites: PRLN 1141

PRLN 1141 CR-3

Visual Design

Students will study basic design elements and principles involved in creating effective page layout. They will learn about the history and anatomy of typography and how to make good font choices. Students will learn how to critically evaluate and solve design problems using the terminology of design and print production.

PRLN 1150 CR-3

Introduction to Public Relations

Students will learn about public relations including the related activities of public affairs and publicity. They will learn how to formulate communication plans and determine strategic tactics, objectives, target audiences and key messages.

PRLN 1210 CR-3**Media Relations**

Students will learn the structure and organization of traditional, electronic, digital & social media and examine the characteristics, benefits, strengths and weaknesses of each media type for specific public relations goals. Students will learn how to work effectively with all types of media and to develop strategies to effectively represent an organization and gain positive unpaid (earned) media coverage. They will create a media list from an actual professional media database, pitch a story idea and respond to media questions in a simulated environment.

Prerequisites: PRLN 1150

Co-requisites: PRLN 1220 PRLN 1220

PRLN 1220 CR-3**Writing for Media Relations**

Students will develop proficiency in the writing of materials in support of media relations activities. They will write news releases, media advisories, backgrounders, profiles and other components of a media kit for both traditional and social media usage. Students will learn to use Canadian Press Style to write engaging and effective approaches aimed at media gatekeepers such as desk editors, producers and bloggers in order to achieve positive unpaid media coverage and publicity for organizations and clients.

Prerequisites: PRLN 1120

Co-requisites: PRLN 1210 PRLN 1210

PRLN 1230 CR-1.5**Public Relations Research**

Students will learn qualitative and quantitative research methods and measurement tools as applied to the professional practice of public relations. They will learn various research methods including sampling and survey methods, focus group research, content analysis, and online research. Students will analyze and evaluate applied and academic research studies and will complete a research project.

Prerequisites: PRLN 1150

Not Transferable

PRLN 1236 CR-3 (formerly PRLN 2336)**Visual Presentations**

Students will gain practical experience in the planning, design, production and delivery of aspects of multimedia presentations used in the field of public relations. They will study multimedia design theories and apply specific principles to such digital formats as photographs, video, and electronic slides to convey creative ideas and express information effectively. They will learn how to design and produce handouts and/or information packages that reflect repeating elements, both in content and design, used in visual presentations. Students will learn how to critically evaluate the design and application of each of the presentational formats used and how to critique the overall delivery of information.

Prerequisites: PRLN 1141, PRLN 1140

Not Transferable

PRLN 1250 CR-3**Digital Applications for Electronic Media**

Students will explore the planning, development, production and communication of electronic media content. Students will be introduced to tools and techniques used in the production and authoring of graphics, text, photography, video and sound to design, edit and produce digital and electronic communications used in public relations, marketing and corporate communications.

Prerequisites: PRLN 1140 and PRLN 1141

PRLN 2310 CR-3**Issues Management & Crisis Response**

Students will learn the theory and practice of reputation management for an organization. They will explore how professional communicators handle issues identification, crisis management and stakeholder analysis on behalf of an organization. They will learn how to evaluate communication risks; conduct stakeholder analyses; and prepare plans and strategies to manage communication around issues and crises for both internal and external stakeholders. Students will also focus on managing media relations during a crisis, with special emphasis on the role of the key spokesperson for the organization.

Prerequisites: PRLN 1150, PRLN 1210

Not Transferable

PRLN 2320 CR-3**Promotional Writing & Design**

Students will learn to plan, budget, write, design and produce printed corporate communications products such as posters, information sheets, flyers, advertorials and fundraising profiles. They will produce polished, audience-directed, professional print communications projects that assist an organization to convey information about corporate goals and programs and build customer, community and public support.

Prerequisites: PRLN 1140 , PRLN 1250, PRLN 1141

PRLN 2332 CR-3**Event Planning & Sponsorship**

Students will learn the basics of raising charitable donations for a nonprofit organization, with emphasis on special event fundraising, media coverage and volunteer recognition. Students will plan a fundraising event for a nonprofit whereby they conduct meetings with representatives of the organization to determine venue, theme, activities and timing. They will plan the creative and production aspects of the event, which will be implemented in PRLN 2432 Event Production & Management in the spring term.

Prerequisites: PRLN 1150, PRLN 1210

PRLN 2338 CR-3**Advanced Visual Design**

Students will build upon their knowledge of visual design and refine their ability to apply advanced typography and page layout principles to class projects. Students will further develop analytical skills to produce and evaluate effective design strategies and demonstrate the importance of design thinking to business success. Students will identify current areas of strength and prepare and maintain a print portfolio of their best design work.

Prerequisites: PRLN 1140, PRLN 1141, PRLN 1236, PRLN 1250

Not Transferable

PRLN 2345 CR-3**Introduction to Fundraising & Development**

Students will examine the basics of fundraising and development for non-profit organizations, foundations and charities. They will examine the principles and strategic issues in fundraising; the role of the development officer; and the nature of fundraising campaigns. Students will develop an understanding of annual, capital and special project fundraising as well as how to work effectively with non-profit volunteer boards.

Prerequisites: 30 credits of 1100-level or higher

PRLN 2350 CR-3**Publicity & Promotion**

Students will explore the tools, techniques, methodologies and best practices of planning publicity and promotional campaigns for a wide variety of organizations including profit and non-profit organizations. They will learn to incorporate both paid and unpaid media into a publicity plan; to keep the budget to a minimum; and to build the plan so that it can be integrated with, and evaluated against, overall organizational public relations and communications objectives.

Prerequisites: PRLN 1150

Not Transferable

PRLN 2432 CR-3**Event Production & Management**

Students will work with a client and implement the client-approved event proposal. They will learn to work as a team to organize, publicize, stage and manage a special event for a non-profit organization planned in a previous semester in PRLN 2332 Event Planning and Sponsorship.

Prerequisites: PRLN 2332

Not Transferable

PRLN 2441 CR-3 (formerly PRLN 1241)**Organizational Communications**

Students will learn the techniques and strategies for creating and managing communications on behalf of an organization with employees and other audiences defined as internal to the organization. They will study how to design and produce effective professional communications plans, programs, policies and tools to effectively communicate corporate messages, promote employee engagement & productivity and create a positive organizational culture.

Prerequisites: PRLN 1150

Not Transferable

PRLN 2450 CR-3**Public Relations Management**

Students will review the major managerial functions, including strategic planning, organizing, leading, budgeting and human resources, as they relate to public relations. They will learn current concepts, theories, techniques, and models of managing public relations departments, agencies and consultancies. Students will learn about the integration of social science theories and management techniques in the research, planning, implementation, and evaluation of public relations strategies.

Prerequisites: PRLN 2350

Transferable (refer to transfer guide)

PRLN 2455 CR-3**Creative Services Consulting**

Students will learn how to establish a consulting company to gain contract and freelance project work in a creative services field such as public relations, corporate communications, marketing communications or graphic design. They will explore current concepts, theories and practical skills related to the establishment and marketing of a creative services consulting business. Students will examine business, marketing, ethical, legal and professional considerations specific to creative service businesses, agencies and consultancies.

Prerequisites: PRLN 1120, PRLN 1230, PRLN 1140, PRLN 1141, PRLN 1150, PRLN 1210, PRLN 1220, PRLN 1236, PRLN 1250, PRLN 2310, PRLN 2320, PRLN 2332, PRLN 2338, PRLN 2350
Not Transferable

PRLN 2477 CR-3**PR Practicum**

Students will apply the skills and knowledge of professional public relations practice by securing, with instructor guidance and approval, an unpaid practicum of four weeks on-site in a professional communications environment. They will demonstrate mastery of the full range of PR competencies gained in the PR Diploma Program through tasks completed while working full-time, five days a week, for a minimum of 30 hours a week, for four weeks within the PR industry with consideration given to the student's interests, skills and personal suitability as well as the needs of both the student and the sponsor employer.

Prerequisites: PRLN 1130, PRLN 1220, PRLN 2310, PRLN 2320, PRLN 2338, PRLN 2331, PRLN 2350

Not Transferable

PRLN 2478 CR-1.5**Professional Readiness**

Students will learn the techniques and practices of preparing for work opportunities in a professional and/or creative services field. They will analyze job postings and produce effective cover letters, resumes, and requests for informational interviews. They will design and organize a professional portfolio and learn to effectively present the portfolio to an employer. Students will practice professional networking skills and gain skills in handling employment tests and interviews. They will produce an analysis of the employment market for their chosen field and create a plan for a job search.

Prerequisites: PRLN 1130, PRLN 1220, PRLN 2310, PRLN 2320, PRLN 2338, PRLN 2331, PRLN 2350

Not Transferable

PRLN 3010 CR-3**Ethics of Communication**

Students will examine ethical challenges that arise in the careers of organizational communications, marketing, business and public relations professionals. Students will explore the ethical codes of professional associations governing the practice of business communications. They will examine leadership roles for communicators in shaping ethical futures for profit and non-profit organizations.

Prerequisites: 30 credits of 1100-level or higher

PUBLIC SAFETY COMMUNICATIONS (PSCM)

PSCM 1100 CR-3

Call Processing

Students will work in cooperative teams to learn and practise call-processing skills needed by communicators for successful integration into public safety and related industries, using both manual and automated systems. They will learn technical language used in the industry and how agencies function.

Co-requisites: PSCM 1280 PSCM 1280

PSCM 1120 CR-3

Radio Communications

Students will gain competency through practice in simulated radio dispatching within a communication centre team environment, applying radio protocol and procedures to Industry Canada specifications. They will identify the technologies (telephone, radio, and computer-aided dispatch systems) used within the communications industry in radio communications.

Co-requisites: PSCM 1280 PSCM 1280

PSCM 1140 CR-3

Human Behaviour

Students will analyze and practice inclusive techniques for dealing with the elderly, young children, the mentally and emotionally disadvantaged, and those members of our community with language barriers. They will learn to recognize and deal effectively with occupational, organizational, and event-related stress within themselves through journal writing and personal reflection.

Co-requisites: PSCM 1280 PSCM 1280

PSCM 1150 CR-3

Legal & Regulatory Influences

Students will examine the legal and regulatory influences on primary responding public safety agencies such as police, fire, and ambulance services. They will research federal and provincial statutes, municipal by-laws, and common laws affecting the public safety sector.

Co-requisites: PSCM 1280 PSCM 1280

PSCM 1200 CR-3

Police Communications

Students will work in a team environment to operate a simulated tri-service communications centre. They will learn the protocols and techniques for police call processing and radio dispatching through practical simulations, beginning at an entry level of operational competency and working up to handling multiple incident scenarios

Prerequisites: PSCM 1100 and 1120 and 1140 and 1150 and 1400

Co-requisites: PSCM 1281 PSCM 1281

PSCM 1240 CR-3

Human Behaviour II

Students will further study psychological disorders, social disobedience and victimization emphasized from the perspective of public safety communicators. The student will apply stress management techniques to deal with: critical incident stress, shiftwork, media stress, and sleep disorders. Students will also reflect on and acquire practical insights into different types of behaviors and their effects as they practice interaction with a diverse group of callers.

Prerequisites: PSCM 1100 and 1120 and 1140 and 1150 and 1400

Co-requisites: PSCM 1281 PSCM 1281

PSCM 1260 CR-3

Practicum

Students will observe and experience hands-on operations in a variety of public safety communications centres. They will produce written reports on procedures, technologies, and organization used in each centre.

Prerequisites: PSCM 1100 and PSCM 1120 and PSCM 1140 and PSCM 1150 and PSCM 1400

Co-requisites: PSCM 1281 PSCM 1281

PSCM 1280 CR-1.5

Public Safety Communications Lab 1

Students will examine computer aided dispatch software concepts, and its application to the public safety communications field. They will use the communications lab telephone system, computer aided dispatch software, mapping software and Records Management System (RMS) software to create and dispatch emergency calls in a simulated lab environment. Students will achieve a minimum 45 nwpm keyboarding speed.

PSCM 1281 CR-1.5

Public Safety Communications Lab 2

Students will continue to use the communications lab telephone system, current computer aided dispatch software, mapping software and Records Management System (RMS) software to create and dispatch emergency calls in a simulated lab environment. They will practice scenarios to assess a variety of responses for police, fire and ambulance and become proficient in the processing and dispatching of emergency calls. Students will achieve a minimum 50 net words per minute (NWPM) keyboarding speed.

Prerequisites: PSCM 1280

PSCM 1300 CR-3

Fire Communications

Students will identify the protocols and techniques for incident processing and dispatching in the fire service. They will utilize procedures for WHMIS and TDG in the context of fire exercises. Fire call processing, radio dispatching and incident command will be practiced in lab simulations. Students will work in a team environment to operate a simulated tri-service communications centre by the end of the course.

Co-requisites: PSCM 1281 PSCM 1281

PSCM 1400 CR-3

Emergency Planning

Students will examine emergency planning and preparedness regulations and procedures at the federal, provincial and municipal level, with the focus on analyzing the interaction of public safety agencies during a person-induced or natural disaster. They will apply their knowledge of emergency planning to establish and prepare personal strategies and equipment for themselves and their families.

Co-requisites: PSCM 1280 PSCM 1280

PSCM 1500 CR-3

Emergency Medical Communications

Students will learn the protocols and techniques for incident processing and dispatching in emergency medical situations. They will practice emergency medical call assessment and radio dispatching in lab simulations in a team environment, and will provide emergency medical telephone instruction. They will work together to operate a simulated tri-service communications centre.

Prerequisites: PSCM 1100 and PSCM 1120 and PSCM 1140 and PSCM 1150 and PSCM 1400

Co-requisites: PSCM 1281 PSCM 1281

PUNJABI (PUNJ)

PUNJ 1100 CR-3

Introductory Punjabi I

Students who have little or no previous knowledge of Punjabi (Gurmukhi) script will learn to read and write at the basic level. While exploring the Punjabi culture, students will use the communicative approach to develop the ability to speak, comprehend, read, and write Punjabi.

Note: Any student with Grade 12 Punjabi or with previous language skills meeting or exceeding the learning outcomes of PUNJ 1100 is not permitted to register in this introductory course. Students with a competence in the language beyond the level of the course in which they are registered may be required to withdraw.

Transferable (refer to transfer guide)

PUNJ 1101 CR-3

Introductory Punjabi II

Students will continue to build on basic reading and writing skills learned in PUNJ 1100 as well as improve their oral and listening skills while exploring the Punjabi and Indian cultures.

Note: Any student with Grade 12 Punjabi or with previous language skills meeting or exceeding the learning outcomes of PUNJ 1101 is not permitted to register in this introductory course. Students with a competence in the language beyond the level of the course in which they are registered may be required to withdraw.

Prerequisites: PUNJ 1100 or Interview with instructor

Transferable (refer to transfer guide)

PUNJ 2200 CR-3

Intermediate Punjabi I

Students will use the communicative approach to review and expand their knowledge of basic Punjabi grammar. While further exploring the Punjabi culture, students will continue to develop oral, listening, reading, and writing skills at the intermediate level.

Note: Students with a competence in the language beyond the level of the course in which they are registered may be required to withdraw.

Prerequisites: Punjabi 11 (B) or Punjabi 12 or PUNJ 1101 or assessment by instructor

Transferable (refer to transfer guide)

PUNJ 2201 CR-3

Intermediate Punjabi II

Through integrated and interactive practice in reading, writing, listening and speaking, students will use the communicative approach to reinforce and expand their linguistic skills at the intermediate level. Students will also continue to work on their intercultural learning skills.

Note: Students with a competence in the language beyond the level of the course in which they are registered may be required to withdraw.

Prerequisites: Punjabi 12 (B) or PUNJ 2200 or assessment by instructor

Transferable (refer to transfer guide)

PUNJ 3300 CR-3

Canadian Punjabi Literature

Students should have an intermediate knowledge of Punjabi in order to take this course as the language of instruction will primarily be Punjabi. Students will reinforce and expand their linguistic skills through a study of Canadian Punjabi literature in a variety of forms, including poetry, short stories, plays and various forms of nonfiction (magazine and newspaper articles). They will do so through integrated and interactive practise in reading, writing, listening and speaking. Students will also continue to work on their intercultural learning skills.

Prerequisites: PUNJ 2201 or assessment by instructor

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SECURITY MANAGEMENT (SECU)

SECU 2000 CR-3

Private Security and Public Policing

Students will acquire a basic understanding of private security and public policing. They will address the various issues and challenges facing these two areas including regulations, recruitment, training, the exercise of legal authority, and organizational strategies. Students will explore the inter-relationship between private security and public police agencies and the ethical issues of concern to each.

Prerequisites: CRIM 1100 or 1101

SECU 2001 CR-3

Introduction to Security Management

Students will explore applied ethics and management theory as they relate to security management. They will gain practical knowledge of the practices of security management through case studies, class presentations and guest lectures. Students will apply basic elements of management to practical security industry scenarios. Students will explore topics of particular interest in the industry including confidentiality; liability; employee integrity; human relations; supervision and disciplinary actions; information security; business strategy; and client relations.

Prerequisites: BUSI 1210 or 1215

SECU 3001 CR-3

Security Systems and Controls

Students will attain knowledge of key components of security systems and controls inherent in a physical security program. They will be involved in a detailed examination of specific security systems utilized by the security industry including intrusion and duress alarm systems, various forms of perimeter protection, locks and keys, access control systems, closed circuit television and other physical protection elements. Students will examine the relationship between physical and dynamic security through the study of strategies and applications for security systems and controls, including how design and space can impact human behaviour. They will gain understanding of the critical role of security personnel in linking control through design with security systems.

Prerequisites: SECU 2000 and 60 credit at 1000-level or above

SECU 4000 CR-3

Modern Approaches to Security

Students will gain knowledge of key areas of interest in the security industry with special emphasis on the importance of technology, both as an area of concern and as an important tool in the industry. They will focus on cutting edge technology and modern approaches to security by interacting with security industry professionals.

Prerequisites: CRIM 4201

SECU 4001 CR-3

Security: Project-Based Research

Students will acquire and apply knowledge of the security industry. They will conduct a literature search and apply their knowledge to one of the following subject areas: physical security; investigations; loss prevention; liaison/external relations; emergency planning; security management; information security; substance abuse and personnel security. They will apply the skills and knowledge acquired in preceding courses to specific security industry situations or scenarios. Students will prepare to write an industry standard exam.

Prerequisites: SECU 4000

SECU 4002 CR-3

Security Risk Assessment and Management

Students will study and discuss security risk assessment and management. They will discuss terminology and theories and identify vulnerabilities, criticality, and risk. Students will select appropriate countermeasures to reduce or mitigate vulnerabilities. They will apply security risk assessment and management knowledge by planning and conducting a security risk assessment, or security audit, in a specific environment.

Prerequisites: SECU 4000

SECU 4250 CR-6

Security Management Practicum

Students will apply theories and knowledge of security management to real life situations within a chosen area of specialization. They will gain work experience within a corporate or public security department or a private security company. Students will prepare a plan to address a specific concern or problem identified in the practicum setting. They will acquire marketable job skills.

Prerequisites: CRIM 4201 and SECU 4000 and 4001

SOCIOLOGY (SOCI)

SOCI 1125 CR-3

Introduction to Society: Processes and Structures

Students will learn essential concepts, theoretical perspectives, and methods used in the discipline of sociology. They will explore sociological analysis on topics such as culture, socialization and social interaction, deviance, social inequality, gender and sexuality, race and ethnicity, aging, health, dis(abilities), mass media, family, education, work, religion, economy, polity, population and demography, social change, and globalization. Students will critically examine assumptions we make about social life and will develop informed views on social issues that are important in their own lives and the lives of others in local, national, and global communities.

Transferable (refer to transfer guide)

SOCI 2225 CR-3 (formerly SOCI 1225)

Canadian Society: Conflict and Consensus

Students will study various aspects of Canadian society. They will use sociological perspectives to critically analyze such things as Canadian identity, ethnic diversity and multiculturalism, national unity, regional differences, foreign control, and international relations. Students will explore the structure of Canadian society including issues related to health care, education, economy and work, social inequalities, government, and social policies.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2230 CR-3 (formerly SOCI 1230)

Racialization and Ethnicity in Canada

Students will explore the impact of racialization and ethnicity on Canadian social policy and practice in areas such as law and justice, education, human service delivery, arts, and the media. They will analyze evidence of systemic patterns of advantage and disadvantage based on race, ethnicity, and aboriginality in Canadian society. Students will critically examine the effects of race, ethnicity and aboriginality on social, political, and academic discourse, and on resistance movements.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2235 CR-3 (formerly SOCI 1235)

The Development of Sociological Thought

Students will explore the development of sociological thought from early modernist thinkers through to contemporary, post-colonial, and post-modern theorizing. They will critically evaluate essential sociological concepts, models, and theoretical approaches in light of the historical contexts in which they were developed, ongoing debates within the discipline, and their relevance to contemporary social life.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2240 CR-3 (formerly SOCI 1240)**Women in Canada**

Students will examine the diversity of women's lives in Canada. They will consider various approaches to the study of gender (i.e., what constitutes femininity and masculinity), as well as various perspectives on gender inequality. Students will examine the diverse ways in which women's experiences shape and are shaped by institutions such as the economy, the state, education, family, and mass media. They will analyze the interrelationships in gender, race, ethnicity, class, age, sexuality, disability, and geography as well as their impact on the conditions of women's lives both within Canada and globally.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2250 CR-3 (formerly SOCI 1250)**Families in Canada**

Students will examine the institution of the family in Canada in both historical and contemporary contexts. They will consider issues and approaches relevant to the sociology of the family and explore the structure and organization of various family forms and relations in the context of social, economic, and cultural transformation. Students will analyze the impact of gender, race, ethnicity and class on the institution of the family and compare cross-cultural and other differences among families both within Canada and globally.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2255 CR-3 (formerly SOCI 1255)**Sociology of Everyday Life and Interaction**

Students will inquire into everyday practices, interactions, and social processes involved in the accomplishment of identities and the social order. They will learn how to frame scenes and situations through which identities and the social order emerge as lived experience. They will examine the relativity of relationships, participation and belonging, self-presentation and performativity, and the importance of communicative ideals. They will analyze the ways that reality is socially constructed and the social order is reproduced, challenged, and transformed through common place taken-for-granted social interactions, rituals, routines, and representations. Students will explore everyday social practices, images, and spaces in a way that offers new meaning to social phenomena such as fashion, flirting, friendship, leisure, workplaces, and city life.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2260 CR-3 (formerly SOCI 1260)**Research Methods in Sociology**

Students will study the research methods used in the social sciences. Students will examine both quantitative and qualitative approaches used to conduct social research. They will emphasize practical applications of research while learning all the stages involved in designing and executing a research project.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2270 CR-3 (formerly SOCI 1270)**Sociology of Education: A Critical Perspective**

Students will critically explore the sociological, philosophical, and psychological concepts and theories of education and learning. They will examine the historical, socio-economic, and political factors responsible for the establishment and growth of the education system and schooling in the Canadian and global contexts. Students will investigate and analyze current educational issues and controversies. They will analyze the effects of discrimination and inequality on the achievement levels of students, and the organization of schools and universities. Students will critically examine the effects of "race"/ethnicity, gender, class, sexual orientation, and disabilities on the experiences of teachers and students in schools.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2275 CR-3 (formerly SOCI 1275)**Mass Media and Society**

Students will study the place of the mass media in Canadian society and their role in the social construction of reality. They will examine the development of print, radio, television, and new media in a global context, and will focus on the interconnection between media and other social institutions. Students will evaluate and apply various theoretical approaches to media production, content, and audiences.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2280 CR-3 (formerly SOCI 1280)**Sociology of Health, Disability, and Society**

Students will learn about the social, cultural, economic, and political factors surrounding experiences of health, disability, and society. They will learn about the social construction of health and disability, and the structure of Canada's health care system including health care professionals and health care delivery systems. Students will also explore the interaction between health care providers and service users, and current policy and health issues.

Prerequisites: SOCI 1125 or HSCI 1115

Transferable (refer to transfer guide)

SOCI 2285 CR-3**Gods in the Global Village: A Sociological Perspective of World Religions**

Students will examine the social dimensions of religion in communities and countries across the world. They will explore the social relevance of religion to individuals and collectives in both the local and the wider global village. Students will explore several interpretations of religion offered by sociologists, past and present. They will also examine religion's contribution to the shaping of social reality and the status of religion in the world today as well as its future.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 2311 CR-3**Social Justice in the Global and Local Contexts**

Students will explore social, political, and economic justice in the global and local contexts. They will also examine social justice-related concepts of exploitation, oppression, resistance, privilege, power, inequity, self-determination, and (respect for) cultural diversity, from the sociological and related historical, philosophical, and political perspectives. Finally, students will examine the connections between local and global social justice-related issues and conflicts and how these issues and conflicts are handled in international bodies such as the UN.

Prerequisites: SOCI 1125 (POLI 1150 or POLI 2130 recommended)

Transferable (refer to transfer guide)

SOCI 2365 CR-3**Introduction to Social Research Statistics**

Students will study basic statistical techniques used in sociology. They will examine descriptive and inferential statistics at an introductory level with an emphasis on practical applications. Students will learn to interpret and summarize data, perform basic bivariate analysis, and report findings in an informative and unbiased way.

Prerequisites: SOCI 1125 and (CRIM 1208 or SOCI 2260)

Transferable (refer to transfer guide)

SOCI 3210 CR-3**Technology and Society**

Students will examine the complex relationship between technology and society in Canada and internationally from a sociological perspective. They will focus on the social and ethical implications of modern technology, as well as its historical development and cultural foundations. Students will learn to think critically and comprehensively about the role of technology in contemporary societies, through comparative analysis and theoretical evaluation. They will pay particular attention to the social, economic, political, and cultural transformations brought about by computerization, and explore the value conflicts and social challenges created by the new information technologies.

Prerequisites: 45 credits, at 1100 or higher, including SOCI 1125
Transferable (refer to transfer guide)

SOCI 3230 CR-3**International Migration and Ethnic Communities**

Students will critically examine the causes of international migration, refugee movements, and the establishment of ethnic communities outside of their countries of origin. They will focus on environmental crisis, ethnic strife and cleansing, wars, economic crisis, disease, and cultural issues. Students will look at the development of ethnic communities as a result of migration and the viability of such communities in the context of both multi-culturalism and uni-culturalism. They will also examine the ways in which gender, class, ethnicity, racialization, and legal status organize migration and settlement.

Note: This is a seminar course.

Prerequisites: 30 credits including SOCI 1125 (SOCI 2230 recommended)

Transferable (refer to transfer guide)

SOCI 3235 CR-3**Classic Sociological Theories**

Students will examine classic sociological theories including the works of theorists such as Comte, Marx, Durkheim, Weber, Cooley and Mead, as well as early feminist and non-western theorists. They will explore the historical contexts in which the theories were developed and bring them to life by engaging in conceptual and critical analysis that furthers self-understanding and uncovers dimensions of our lives often take for granted. They will engage the theories through dialogue, join in debates that characterize sociology, and apply classic social theories to contemporary phenomena, issues, and problems, rather than treat the theories as relics of the past.

Note: this is a seminar course

Prerequisites: SOCI 2235

SOCI 3240 CR-3**Gender in Global Context**

Students will examine the social, sexual, economic, and political dimensions of gender from multiple geographic and cultural locations. They will explore the foundational explorations of feminism into the study of gender, and reflect on subsequent diverse approaches to the study of gender from cross-cultural and interdisciplinary approaches such as post-colonial and critical race theory, queer theory, cultural studies, political economy, and Indigenous traditional knowledge. Students will analyze social identities, ideologies, structures, and policies that rest upon gendered processes of imperialism, neoliberalism, racialization, and sexualization in both local and global contexts.

Prerequisites: SOCI 2240

Transferable (refer to transfer guide)

SOCI 3245 CR-3**Gender, Bodies, and Sexualities**

Students will explore historical and contemporary conceptions of sexualities and embodiment relating to gender in Westernized societies. Students will study the changing construction of gender, sexual identities and politics of embodiment that shape our everyday lives in relation to other socialized differences such as race and class. They will explore, discuss, and debate important theoretical and conceptual frameworks in gender and sexualities studies such as social structure, intersectionality, and social constructionism.

Prerequisites: 30 credits at 1100-level or higher including SOCI 2240 or permission of the instructor

SOCI 3260 CR-3**Qualitative Methods in Sociology**

Students will learn the theoretical and ethical underpinnings of qualitative research as well as the practical tools of the trade. They will use a broad range of applications including observational analysis, in-depth interviews and focus groups, participatory action research, ethnographic research, case studies, and narrative research. Students will gain practical knowledge of the many ways in which qualitative research techniques provide a contextual and in-depth understanding of social phenomenon. Students will use computer software and will also learn to organize, manage and interpret qualitative data.

Note: This is a seminar course.

Prerequisites: SOCI 2260

Transferable (refer to transfer guide)

SOCI 3270 CR-3**Education, Nation-Building and Globalization**

Students will critically examine the historical, socio-economic, and political factors responsible for the establishment and growth of education systems in different parts of the world. They will explore the roles of the education system in colonial intervention, promotion of Westernization, nation-building, and modernization globally. Students will explore the effects of globalization, neo-liberalism, and neo-conservatism on education systems and students in various countries from critical multidisciplinary perspectives.

Note: This is a seminar course

Prerequisites: 30 credits of 1100 level or higher, including SOCI 1125 (SOCI 2270 recommended)

Transferable (refer to transfer guide)

SOCI 3275 CR-3**Sociology of Popular Culture**

Students will explore the role of popular culture in their everyday lives and its connection with social structures and processes. They will apply various sociological perspectives, concepts, and interpretive strategies to a critical examination of a variety of popular culture forms, consumer goods, and leisure activities. They will analyze the production and consumption of popular culture within the local and global contexts and explore the relationships between popular culture, and community, identities, ethnicity, gender, the body and sexuality.

Prerequisites: SOCI 2275

Transferable (refer to transfer guide)

SOCI 3280 CR-3**Sociology of Dying and Death**

Students will critically examine cultural, historical, and contemporary attitudes and practices concerning dying and death. They will focus on the dying process, medicalization of death, funerals and body disposal, grief and bereavement, the coroner's role, suicide, assisted death, and other end of life decisions.

Note: This is a seminar course.

Prerequisites: 60 credits, at 1100 level or higher, including SOCI 1125

Transferable (refer to transfer guide)

SOCI 3300 CR-3 (formerly SOCI 2300)**Sociology of Work and Occupations**

Students will study the sociological aspects of work and occupations in the Canadian context. They will explore topics such as the historical transformation of work, the meaning of work, the impact of new technologies, and work structuring and restructuring. They will also examine the social organization of occupations, the relationship between work and social inequality, employment opportunities and insecurities, and control and resistance. Students will critically analyze issues related to work and occupations that affect Canadians in significant ways.

Note: This is a seminar course.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 3310 CR-3 (formerly SOCI 2310)**Conflict Analysis and Resolution**

Students will explore the emerging interdisciplinary field of Conflict Analysis and Resolution (CAR). They will critically analyze the basic elements and processes of human social conflict in interpersonal and broader social contexts. Students will learn core concepts and theories of conflict, including the thoughts and emotions that support conflict and the ones that challenge it; the social structures and processes that support, uphold, or diffuse it; and the ways in which the conditions that support conflict can be transformed. Students will analyze an interdisciplinary body of scholarship that includes theoretical, professional, and applied studies of conflict and its resolution.

Note: This is a seminar class

Prerequisites: 45 credits at the 1100 level or higher, including SOCI 1125

Transferable (refer to transfer guide)

SOCI 3320 CR-3 (formerly SOCI 2320)**Sociology of Global Inequalities**

Students will critically examine a number of perspectives on development and underdevelopment within a global context, focusing in particular on economic, political and social change. They will critically examine the globalization process, including problems of inequality and its social, political, and economic roots. They will also analyze the role of regional and world bodies, including the North American Free Trade Agreement (NAFTA), the World Bank, the International Monetary Fund (IMF), and the World Trade Organization (WTO) in development and underdevelopment, paying particular attention to the effects of these organizations on communities and individuals.

Note: This is a seminar course.

Prerequisites: 18 credits of 1100-level or higher, including SOCI 1125

Transferable (refer to transfer guide)

SOCI 3330 CR-3**Contemporary Sociological Theories**

Students will engage in an extensive and critical examination of the assumptions, terminologies, and implications of the dominant frameworks of contemporary sociological theory from the early 20th century to the present.

They will examine and explore several sociological themes, including power and social structure, the individual in modern society, modernity, postmodernity, and globalization. Students will examine the works of leading theorists of the contemporary period.

Note: This is a seminar course.

Prerequisites: SOCI 2235

Not Transferable

SOCI 3345 CR-3 (formerly SOCI 2345)**Social Policy in Context**

Students will examine how social issues are defined, and how social policies are formulated, administered, and revised. They will explore the dynamic relationship between social policy and Canada's social structure from varying theoretical perspectives. Students will consider historical and global influences, contemporary welfare state programs, as well as ideological, social, and economic factors shaping policy formation.

Note: This is a seminar course.

Prerequisites: SOCI 1125

Transferable (refer to transfer guide)

SOCI 3365 CR-3

Quantitative Research Methods

Students will study statistical methods for research in the social sciences at an advanced level. Students will employ statistical theory to enhance understanding beyond the basic applications of descriptive and inferential statistics. Students will use existing sociological empirical case studies to examine the issues motivating the research, the key research questions, and the reports of findings. They will analyze secondary data using statistical techniques in the context of the broader logic of quantitative sociological inquiry, with a special focus on applied regression analysis.

Prerequisites: SOCI 2365 or PSYC 2300 or permission of the instructor

SOCI 3385 CR-3 (formerly SOCI 2385)

Introduction to Demography

Students will study the analysis of population and its three main components: fertility, mortality, and migration. They will engage in an examination of demographic patterns in contemporary Canadian society, along with extensive cross-cultural and historical analysis. Students will also undertake in-depth study of significant contemporary international demographic changes, particularly those taking place in Asia and the USA.

*Prerequisites: SOCI 1125
Transferable (refer to transfer guide)*

SOCI 4225 CR-3

Advanced Topics in Canadian Issues

Students will engage in an intensive and critical examination of a number of Canadian issues, as selected by the instructor. Students will conduct a primary research project outside the classroom and/or in the field for a portion of the semester on a specific topic. They will review relevant literature, write a proposal, collect and/or analyze data, write a paper, and give a presentation of the paper.

Note: The topic(s) of study will be established in advance by the department. Please check with the department for proposed offerings. This is a seminar course. Students may take this course multiple times for further credit on different topics.

Prerequisites: 60 credits at the 1100-level or higher including SOCI 2225 and SOCI 2260 (or CRIM 1208 or PSYC 2300 or PSYC 2400)

SOCI 4230 CR-3

Advanced Topics in Race/Ethnicity: A Global Perspective

Students will engage in an intensive and critical examination of a number of issues and policies relating to race and ethnicity globally, as selected by the instructor. Students will conduct a primary research project outside the classroom and/or in the field for a portion of the semester on a specific topic.

Note: This is a seminar course.

Note: The topic(s) of study will be established in advance by the department. Please check with the department for proposed offerings. For further credit on different topics, students may take this course multiple times.

Prerequisites: 45 credits at 1100 level or higher, including SOCI 1125 and SOCI 2230

SOCI 4275 CR-3

Lost in Transmission: Diversity and the Media

Students will explore the historical and contemporary role of the media in framing images of, and discourses about ethno-racial minorities, women, senior citizens, people with disabilities, and sexualized minorities in Canadian society. They will examine both historic and modern-day media portrayals of minority communities in Canada, and will further explore the impact of those portrayals on the public's perception and behaviour, as well as individual responses. Students will also examine the cultural history and experiences of minorities, and how and why minority groups have created systems of mass media self-representation to counter the mainstream mass media.

Note: This is a seminar course.

*Prerequisites: A minimum of 60 credits at the 1100-level or higher, including SOCI 1125 and 2275
Transferable (refer to transfer guide)*

SOCI 4310 CR-3

Terrorism, Globalization, and Social Justice

Students will explore the socio-economic and historical foundations of globalization, inequality, social (in)justice, resistance, and terrorism. They will analyze social (in)justice, globalization and terrorism in local and global political, ideological, and religious conflicts. Students will analyze forms of resistance, oppression, and global inequality. Finally, they will examine theories and practices of conflict resolution, global economic justice, international and inter-ethnic arenas and peace initiatives of the United Nations and other bodies.

Note: This is a seminar course.

*Prerequisites: 45 credits of 1100 level or higher, including SOCI 1125 (SOCI 2230 and 3320 recommended)
Transferable (refer to transfer guide)*

SOCI 4320 CR-3

Advanced Topics in Global Studies

Students will engage in an intensive and critical examination of a number of global issues, as selected by the instructor. Students will conduct a primary research project outside the classroom and/or in the field for a portion of the semester on a specific topic.

Note: This is a seminar course.

Note: The topic(s) of study will be established in advance by the department. Please check with the department for proposed offerings. For further credit on different topics, students may take this course multiple times.

Prerequisites: 45 credits at 1100 level or higher, including SOCI 1125 and SOCI 3320

SOCI 4325 CR-6

Sociological Aspects of Community Service

Students will gain employment experience through volunteer work at not for profit social service agencies, international organizations or other community groups. They will work to complete a mutually agreed upon project that focuses on an issue or problem faced by the host agency. Through this project they will integrate sociological theory, concepts and methods and apply to the understanding of practical social issues. Students will also be involved in classroom based analysis and reflection about the interrelationships among organizations, culture and society.

Prerequisites: 60 1100-level or higher credits including SOCI 1125 and (SOCI 2260 or PSYC 2400 or CRIM 2103)

SOCI 4330 CR-6

Global Community Service

Students will deepen their formal preparation for local and global citizenship and gain practical experience through a field placement, doing volunteer work as part of a team with international non-for-profit/non-governmental or other community organizations in another country. They will engage in praxis-oriented, reciprocal learning about social justice issues through the application of theoretical and sociological knowledge, concepts, and methods to the practical, everyday lives of disadvantaged people and groups. They will work to complete a mutually agreed upon project that focuses on a social justice issue or problem faced by the host agency. Students will also be involved in classroom based analysis and critical reflection about the interrelationships among organizations, cultures and global society.

Prerequisites: 45 credits at 1100-level or higher including SOCI 3320

Transferable (refer to transfer guide)

SPANISH (SPAN)

SPAN 1100 CR-3

Basic Spanish I

Students who have little or no previous knowledge of Spanish will learn basic communication skills used in a Spanish cultural context. They will develop the ability to speak, comprehend, read, and write Spanish at a beginner level through various communicative tasks.

Transferable (refer to transfer guide)

SPAN 1101 CR-3

Basic Spanish II

Students will build on previously acquired basic skills in Spanish and continue to develop speaking, listening, reading, and writing proficiency at a basic level through various communicative tasks. In addition, students will continue exploring the culture of Spanish-speaking peoples.

Note: This course is designed for students with a basic knowledge of Spanish only. Therefore, students who speak the language beyond the level of this course are overqualified and need to be assessed to register appropriately.

Prerequisites: SPAN 1100 or assessment by instructor

Transferable (refer to transfer guide)

SPAN 2200 CR-3

Intermediate Spanish I

Students will develop reading and writing skills while further exploring the Hispanic culture. They will converse exclusively in Spanish during class time.

Prerequisites: Spanish 11 with B or higher or Spanish 12 or SPAN 1101 or assessment by instructor

Transferable (refer to transfer guide)

SPAN 2201 CR-3

Intermediate Spanish II

Students will continue to develop reading and writing skills while further exploring the Hispanic culture. They will converse exclusively in Spanish during class time.

Prerequisites: Spanish 12 with B or SPAN 2200 or assessment by instructor

Transferable (refer to transfer guide)

SPAN 2205 CR-3

Writing and Oral Skills for Spanish Speakers

Students possessing a native or near-native command of oral Spanish and/or an upper intermediate level of the language will consolidate their knowledge of Spanish with a special focus on writing the language formally (i.e. spelling, orthography and punctuation, expanding vocabulary at formal registers, and broadening the range of topics used in written and oral expression). Students will gain writing skills in a simple but formal and clear style. They will also increase their awareness of the diversity of Spanish spoken in different Spanish-speaking cultures.

Note: This course is designed for students possessing a native or near native command of oral Spanish.

Prerequisites: SPAN 2201, or native or near-native oral command of Spanish, or assessment test

Transferable (refer to transfer guide)

SPAN 3310 CR-3

Advanced Spanish Conversation through Film

Students will expand their conversational proficiency through the understanding of and appreciation for Spanish-speaking cultures and communities around the globe. Students will combine language and culture through the study of popular films as rich sources of cultural information. Students will be exposed to content-based communicative language learning to acquire advanced Spanish conversational skills in meaningful contexts.

Prerequisites: SPAN 2201 or 2205 or Assessment Test

Transferable (refer to transfer guide)

SPAN 3320 CR-3

Advanced Spanish Reading and Writing

Students will improve literary reading skills and advanced writing in Spanish. They will review complex grammar structures used in literary texts from different Spanish-speaking authors. Students will be provided with the necessary tools to enhance their vocabulary and to think critically and analytically about what they read and write in Spanish. They will write factual, expository, argumentative, and narrative essays.

Prerequisites: SPAN 2201 or 2205 or Assessment Test

Transferable (refer to transfer guide)

SPECIAL EDUCATION TEACHER ASSISTANT (SETA)

SETA 1101 CR-3

Including Diverse Learners in Schools

Students will examine and reflect upon the philosophical, historical, organizational, and daily aspects of inclusive schooling. They will investigate patterns of diversity, possible implications of specific disabilities, and how individual strengths and needs may be supported in the classroom. Students will examine their role and own values, beliefs, and attitudes in supporting students with special needs and teachers in the school community.

Prerequisites: ECHS 1135

SETA 1105 CR-3

Supporting Learning in Schools

Students will explore the elements and processes of effective instruction and the role of the teacher assistant in supporting learning. They will investigate models of learning, including Multiple Intelligences Theory, and discuss how they apply to classroom practice. Students will apply strategies and positive approaches to support learners through classroom activities and case studies.

SETA 1120 CR-2

Principles of Proactive and Positive Behaviour Support

Students will examine the principles of positive behavior support and proactive classroom management. They will develop positive behavior support plans based on information acquired from a functional assessment. Students will examine their own values, beliefs and attitudes in relation to their role in supporting children and youth with challenging behaviors.

SETA 1161 CR-1.5

Change and Development: Childhood

Students will explore the human passage from conception through middle childhood. They will draw on theory and personal experience to investigate and reflect on child development, change, and diversity in relation to self and others.

SETA 1162 CR-1.5

Change and Development: Adolescence through Middle Adulthood

Students will explore the human passage from adolescence through middle adulthood. They will draw on theory and personal experience to investigate and reflect on adolescent and adult development, change, and diversity in relation to self and others.

Prerequisites: SETA 1161

SETA 1225 CR-1.5

Alternative and Augmentative Communication

Students will examine issues related to the education of individuals who use nonverbal forms of communication. They will explore strategies for the creation and support of technical and non-technical augmentative and alternative systems for communication and written output. Students will examine their role, and the role of other professionals, in enhancing participation and interaction for children with severe communication challenges.

Prerequisites: ECHS 1125 and ECHS 1135 and SETA 1101 and SETA 1105 and SETA 1120 and SETA 1161 and SETA 1270

SETA 1270 CR-3.5

Practicum One

Students will participate in a four-week, full-time practicum in an elementary or secondary school setting. They will observe, assist, and work with children and/or adolescents requiring learning, behavioral, and/or physical support under the guidance and supervision of professional staff. Students will also participate in seminars to discuss self, theory and practice issues.

Prerequisites: SETA 1161

Co-requisites: ECHS 1135 and SETA 1101 ECHS 1135 and SETA 1101

SETA 1280 CR-2.5

Health and Personal Care Support for Teacher Assistants

Students will explore health and personal care issues for children and adolescents with disabilities, and the role of the teacher assistant in supporting them. They will practice selected psychomotor skills necessary to provide health and personal care support.

SETA 1305 CR-3

Overview of Curriculum for Inclusive Schools

Students will examine the philosophy, goals, and content of curriculum in elementary and secondary schools in British Columbia. They will explore the philosophy of inclusive education and their role within the context of curriculum delivery. Students will apply the principles of adapting and modifying curriculum to learning activities. They will identify and develop strategies to facilitate learning, based on students' strengths and needs.

Prerequisites: ECHS 1125 and ECHS 1135 and SETA 1101 and SETA 1105 and SETA 1120 and SETA 1161 and SETA 1270

SETA 1370 CR-3.5

Practicum Two

Students will integrate and apply theoretical concepts from their coursework in a final, four-week practicum that is a full-time experience in an elementary or secondary school setting. They will actively observe, assist, and work with children and/or adolescents requiring learning, behavioural, and/or physical support under the guidance and supervision of professional staff. Students will also participate in seminars to discuss self, theory, and practice issues.

Prerequisites: SETA 1162, SETA 1225, SETA 1270, SETA 1280, SETA 1305, CAHS 2120, ECHS 1212 and (CMNS 1217 or ENGL 1100 or CMNS 1140)

T

TECHNICAL APPAREL DESIGN (DETA)

DETA 5110 CR-3

Technical Apparel in Context

Students will examine the relationship between technical apparel and the intended context of use. They will learn to apply a human-centred systems approach to characterize human, functional, and environmental design requirements and objectives. Students will explore selected topics in ergonomics, anthropometry, psychology, thermal physiology, kinesiology, and safety as they relate to technical apparel design for recreational, occupational, athletic, survival, and therapeutic contexts.

Co-requisites: DETA 5120 and 5130 and 5140 DETA 5120 and 5130 and 5140

Not Transferable

DETA 5120 CR-3

Technical Textile Technologies

Students will enhance their knowledge of advances in textile technologies that are revolutionizing the technical apparel industry. They will study the properties, processing, and testing of high tech textiles and new millennium fibres for a range of applications including: athletic and recreational performance, protection, occupational, survival, medical, smart fabrics, and eco-textiles for sustainability. Students will gain an understanding of the properties that influence function and performance. They will explore ways to apply research to further promote their understanding of technical textile applications.

Co-requisites: DETA 5110 and 5130 and 5140 DETA 5110 and 5130 and 5140
Not Transferable

DETA 5130 CR-3

Creative Innovation

Students will explore, interpret, and conceptualize innovative processes for creative solutions in the designing of technical performance apparel. They will envision future technical apparel opportunities through evaluation of the current marketplace, interpretation of economic forecasts, sustainability issues, and target market user profiles. Students will systematize the effective application of design processes resulting in a variety of exploratory and defensible options.

Co-requisites: DETA 5110 and 5120 and 5140 DETA 5110 and 5120 and 5140
Not Transferable

DETA 5140 CR-3

Advances in Apparel Production

Students will research and analyze advanced production methodologies for technical apparel. They will examine technical apparel components to understand the implications of product integrity. Students will execute rapid prototyping techniques as an iterative process and evaluate production methodologies for fit, function, and environmental sustainability.

Co-requisites: DETA 5110 and 5120 and 5130 DETA 5110 and 5120 and 5130
Not Transferable

DETA 5200 CR-3

Global Business Strategies for Technical Apparel

Students will reach beyond existing market demands to create new opportunities. They will critique business models, leadership practices, and global strategies while considering diverse organizational, social, and cultural relationships within the technical apparel industry. Students will assess geographical, ethical, and sustainability issues related to the use and function of technical apparel in global sourcing, trade negotiations, and logistical planning.

Prerequisites: DETA 5110 and 5120 and 5130 and 5140
Not Transferable

DETA 5210 CR-3

User Experience

Students will apply and critique methods of engaging with and learning from technical apparel users throughout an iterative design process. They will formulate and implement testing strategies to evaluate user experience of technical apparel products.

Prerequisites: DETA 5200
Not Transferable

DETA 5230 CR-3

Strategic Design Direction

Students will research market opportunities and critique creative strategies, technological advances, and leadership approaches in the design of technical performance apparel. They will evaluate principles of research design methodology for the purposes of measuring potential innovation and creative solutions. Students will, through divergent thinking and exploration, debate strategic design directions and research to inform the final capstone project in DETA 5300.

Prerequisites: DETA 5200
Transferable (refer to transfer guide)

DETA 5300 CR-9

Capstone Project

Students will develop and conduct a complete design process for technical apparel based on approval of the capstone proposal developed in DETA 5230, Strategic Design Direction. They will apply the key elements of an iterative design process to generate a detailed, responsive design and an associated business strategy. Students will incorporate an understanding of the human-centred systems approach, current textile technologies, apparel production standards, user and market analyses, business strategies, project management, and innovation.

Prerequisites: DETA 5200 and 5210 and 5230
Not Transferable

U

UNIVERSITY CONNECTIONS (UCON)

UCON 1099 CR-3

Cross Culture Job Search

Students, both first and second language speakers, will learn practical job search skills to work in the Canadian and international workforce. Students will learn and practise job-search techniques, job and career correspondence (including applications and resumes), self-marketing strategies and techniques, and oral communication, (e.g., telephoning and interviewing skills). They will compare and discuss rights and responsibilities in workplace cultures around the world.

Prerequisites: ELST 0281 with B- or [(Accuplacer 108 or TOEFL IBT 79 or CB-TOEFL 213 or TOEFL 550) and (Kwantlen ESL Writing Band 6 or TOEFL IBT writing sub-score 21 or TWE 4.5)] or IELTS 6.0 with a minimum sub-score of 5.5 or English 12 with C

W

WELDING (WELD)

WELD 1010 CR-1

Worksite Safety and Orientation

Students will describe the scope of the welder trade in British Columbia. They will identify and respond to workplace hazards. Students will safely use and maintain welders' hand tools, power tools, and personal safety equipment. They will study the role of WorkSafeBC and their responsibility to apply its regulations and policies. Students will review basic occupational Mathematics.

Not Transferable

WELD 1115 CR-4**Oxy Fuel Welding and Cutting**

Students will learn the function of each component in an oxy fuel welding and cutting system, and will assemble, test, adjust and operate this equipment. They will study the properties of high pressure oxygen, acetylene and propane gases, and will learn and apply oxy fuel safety standards. Students will develop skill by completing a variety of welding and cutting exercises.

Prerequisites: WELD 1010

Not Transferable

WELD 1120 CR-4**Basic Shielded Metal Arc Welding**

Students will study shielded metal arc welding (SMAW) theory and applications. They will select, set up and adjust SMAW power sources. Students will learn the composition and classification of SMAW electrodes. They will develop skill by completing a variety of welded joints. Students will learn to apply SMAW safety standards.

Prerequisites: WELD 1115

Not Transferable

WELD 1130 CR-4**Basic Gas Metal Arc Welding**

Students will study basic gas metal arc welding (GMAW) theory and application. They will select, set up, and adjust GMAW power sources and wire feeders. Students will learn the composition and classification of GMAW electrode wires and shielding gases. They will develop skill by completing a variety of weld joints. Students will learn and apply GMAW safety standards.

Prerequisites: WELD 1120

WELD 1140 CR-1**Material Handling**

Students will study hand and power rigging techniques used by welders and fabricators. They will select and use slings, shackles, spreaders and related rigging hardware. Students will learn the concepts of safe working load, centre of gravity, and rigging limitations. They will learn and apply the Occupational Health and Safety Regulation and Guidelines of WorkSafe BC.

Not Transferable

WELD 1200 CR-1**Air Arc and Plasma Arc Cutting**

Students will study air arc and plasma arc theory and application. They will select, set up, and operate plasma arc and air arc power sources. Students will use and maintain torches and related equipment. They will develop skills by cutting carbon steel, stainless steel and aluminum plate. Students will learn and comply with air arc and plasma arc safety standards.

Prerequisites: WELD 1130

Not Transferable

WELD 1210 CR-4**Advanced Shielded Metal Arc Welding**

Students will study advanced Shielded Metal Arc Welding (SMAW) theory and application. They will describe the major components and operating principles of SMAW power sources. Students will review the composition and application of SMAW electrodes. They will further develop their skills by completing a variety of welded joints.

Prerequisites: WELD 1200

Co-requisites: WELD 1220

WELD 1220 CR-1**Read Technical Drawings**

Students will read and interpret fabrication drawings. They will study the principles of orthographic and pictorial projections, including all lines, views and related information. Students will interpret symbols, abbreviations and material specifications. They will identify and solve dimensioning problems.

Co-requisites: WELD 1210 WELD 1210

Not Transferable

WELD 1230 CR-4**Advanced Semi-Automated Weld**

Students will study advanced semi-automatic welding theory and application. They will develop the skill and knowledge needed to produce high-quality welds using a number of standard welding processes. Students will have their work visually and destructively tested.

Prerequisites: WELD 1220

Not Transferable

WELD 1240 CR-1 (formerly WELD 1203)**Basic Metallurgy**

Students will study the physical and mechanical properties of ferrous and non ferrous metals. They will describe the manufacture and processing of iron and steel. Students will learn to identify metals using practical techniques. They will classify and describe applications of iron and steel products.

Prerequisites: WELD 1220

Not Transferable

WELD 1250 CR-2**Stationary Shop Equipment**

Students will select, set up and operate stationary fabrication equipment. They will use and maintain press drills, stationary saws, iron workers and power squaring shears. Students will develop skill by working on individual and group projects. They will comply with fabrication machinery safety regulations.

Co-requisites: WELD 1230 and 1240

WELD 1251 CR-2**Basic Metal Fabrication**

Students will develop the skills and knowledge needed to fabricate basic welded components. They will employ trades math, layout, cutting and assembly techniques. Students will select, set up and operate stationary fabrication equipment. They will use and maintain press drills, saws, iron workers, and power shears. Students will be required to work in teams and demonstrate effective project planning skills.

Prerequisites: WELD 1010 and WELD 1220

Not Transferable

WELD 2100 CR-5**Shielded Metal Arc Pipe Welding**

Students will study pipe welding theory technique and safety using the Shielded Metal Arc Welding process (SMAW). They will learn appropriate tool use, pipe groove preparation and fitting techniques. Students will work with a variety of pipe diameters, schedules and electrodes. They will develop skill by welding pipe in all positions. Students will visually and destructively test their work

Prerequisites: WELD 1210

Co-requisites: WELD 2110 WELD 2110

WELD 2110 CR-1**Welding Standards and Testing**

Students will study destructive and non-destructive testing methods applied to welded connections. They will learn and comply with welding codes and standards for structural steel, boilers and piping. Students will learn the importance of quality control and management in manufacturing, construction and maintenance operations. They will describe welding testing and certification

Prerequisites: WELD 1210 & 1230

Co-requisites: WELD 2100

WELD 2120 CR-2**Gas Metal Arc Alloy Welding**

Students will study advanced Gas Metal Arc Welding (GMAW) techniques used to weld aluminum, stainless steel and alloy steel products, and the identification and correction of weld faults. They will review constant voltage power sources and specialized wire feeders. Students will select and use a variety of alloy electrode wires and shielding gases. They will develop skill by safely welding aluminum, stainless steel and alloy steels

Prerequisites: WELD 2100 & 2110

Co-requisites: WELD 2130

WELD 2130 CR-1**Piping Drawings**

Students will read and interpret pipe fabrication and installation drawings. They will learn orthographic and isometric formats. Students will use symbols and terminology specific to pipe work. They will identify and describe applications for common pipe fittings and components and use piping mathematics. Students will lay out elbows, tees and offsets.

Prerequisites: WELD 2100 & 2110

Co-requisites: WELD 2120

WELD 2140 CR-2**Advanced Flux Core Arc Welding**

Students will study advanced Flux Core Arc Welding (FCAW) techniques used in heavy machinery and structural fabrication. They will review constant voltage power source and wire feeder theory. Students will select and use gas shielded and self shielded electrodes. They will develop skill by completing a variety of welded joints to high standards using the appropriate safety equipment. Students will visually and destructively test their work.

Prerequisites: WELD 2120 and 2130

Co-requisites: WELD 2150 WELD 2150

WELD 2150 CR-1**Alloy Metallurgy**

Students will study the microstructure of ferrous and non-ferrous alloys. They will describe the heat treatment of steel and aluminum. Students will identify the effects of alloy content on the weldability of steel and aluminum.

Prerequisites: WELD 2120 and 2130

Co-requisites: WELD 2140

WELD 2160 CR-2**Basic Gas Tungsten Arc Welding**

Students will study Gas Tungsten Arc Welding (GTAW) theory and application. They will select, setup and adjust high frequency power sources. Students will learn the composition, classification and application of tungsten electrodes, shielding gases and filler material. They will develop skill by practicing a variety of welded joints on mild steel, stainless steel and aluminum using the appropriate safety equipment. Students will learn and apply GTAW regulations.

Prerequisites: WELD 2140 and 2150

WELD 2200 CR-2.5**Shielded Metal Arc Alloy Welding**

Students will study alloy steel and stainless steel welding using the Shielded Metal Arc Welding (SMAW) process. They will select and use specialized coated electrodes. Students will prepare and fit alloy plate and pipe. They will develop skill by completing a variety of welded joints, and identify and correct weld faults. Students will visually and destructively test their work.

Prerequisites: WELD 2160

Co-requisites: WELD 2210

WELD 2210 CR-1**Advanced Alloy Metallurgy**

Students will study the weldability of non-ferrous and reactive metals. They will learn the physical and mechanical properties of nickel, copper, magnesium, titanium and zirconium alloys. Students will describe joint geometry, joint preparation, cleaning and shielding methods. They will identify and correct welding problems.

Prerequisites: WELD 2160

Co-requisites: WELD 2200

WELD 2220 CR-3**Gas Tungsten Arc Alloy Welding**

Students will study alloy steel and stainless steel welding using the Shielded Metal Arc Welding (SMAW) process. They will select and use specialized coated electrodes. Students will prepare and fit alloy plate and pipe. They will develop skill by completing a variety of welded joints, and identify and correct weld faults. Students will visually and destructively test their work.

Prerequisites: WELD 2200 and WELD 2210

Co-requisites: WELD 2230

WELD 2230 CR-1**Plate and Pipe**

Students will study parallel line development, radial line development and triangulation. They will lay out and develop offsets, cones and square to round transitions. Students will solve angles, circumference and true lengths required for pipe and plate development.

Prerequisites: WELD 2200 and WELD 2210

Co-requisites: WELD 2220

WOMEN'S STUDIES (WOMN)

WOMN 2200 CR-3

Footsteps of the Crone: Creative Teaching & Learning

Students will explore teaching and learning theories from crone wisdom through the ages by mothers and grandmothers, to modern feminist-oriented teaching and learning theories. They will use a crone wisdom lens to assess learning needs and preferences of people of all ages. Students will develop structured and informal learning plans to meet the educational needs of people.

WOMN 3100 CR-3

Conceptual Traps & Health Care

Students will apply feminist, critical, environmental, change, and women-centered leadership theories in analyzing how patriarchal and capitalistic values affect local, regional, provincial, and national health care policy. The roots of failed delivery systems will be analyzed. Proposals will be developed for the innovative delivery of psychiatric/mental health nursing services in select communities, based on theories covered in class.

Prerequisites: (ENGL 1100 for BPN students) or (CAHS 3500 for RPN students)

Glossary

University terms and concepts. What do they mean ?

Application:

The act of applying for admission to the university.

Admission:

The decision to admit a student into a credentialed or non-credentialed program after all conditions of acceptance have been met.

Admission Requirements:

Requirements, including academic and non-academic, that must be fulfilled to qualify for admission to the university and a program.

Academic Standing:

Students need to maintain a minimum GPA of 2.0 (C average) in order to stay in Good Academic Standing. Students who fall below those may go on Academic Warning and then Academic Probation before being Required to Withdraw. See also GPA

Associate Degree:

The associate degree consists of 60 credits of study prescribed by the Ministry of Education in arts or science. Most of the universities and university colleges will grant transfer credit for an associate degree. That is, they may guarantee 60 transfer credits to holders of the associate degree, even if all the courses taken towards the associate degree do not transfer individually to that institution.

Bachelor's degree:

A baccalaureate (or bachelor's) degree is the first in a series of possible university degrees. It is approximately 120 credits and takes four to five years of full time studies to complete. Students wishing to transfer may complete up to a maximum of 90 credits, depending on the program, towards a Bachelor's Degree at KPU. Students who have met the required GPA requirements and wish to continue studies at the graduate level may apply for admission to Master's degrees or Doctoral (PhD) programs after completing the baccalaureate.

Calendar, Academic Calendar:

The University's official publication of the programs and courses offered. It also lists admission and degree requirements, university rules, regulations and important dates, and is published annually. It can be found online at: kwantlen.ca/calendar

Certificate:

A certificate is generally a 30 credit program that takes one year of full time studies.

Continuous Intake:

A continuous-intake program is a certificate or citation program in which there are a limited number of seats that are continuously filled from a wait-list as spaces become available. There is no fixed beginning and end dates for these programs and students generally work on a self-paced basis.

Convocation:

Is the ceremony where you are awarded/conferred your credential by the Chancellor.

Co-operative Education:

Co-op education gives students the opportunity to combine theory with on the job training. Co-op combines on-campus classes with periods of paid off-campus career related work experience.

Co-requisite:

Course(s) that must be taken at the same time, or previous to, a currently registered course (min. grade of C if taken previously).

Course Load:

The maximum course load is restricted to 5 courses per semester; the average is 3 – 4 courses per semester. Some programs may require a specific course load.

Counselors:

Provide career counseling to help with career decision-making and transitions, help students who are experiencing personal problems and crisis situations, provide career exploration workshops and success skills seminars, assist students with issues around learning such as test anxiety, study skills, and time management, and provide referrals to community agencies and other members of the university community.

Credit/Credit Hour:

A credit is the point value attached to a course. The number of credits assigned to a course directly relate to the amount of class time per week. Most courses at Kwantlen are worth 3 credits. Credits are used in the calculation of GPA and fees, and in meeting the minimum number of credits required for a credential. A first year student has fewer than 30 credits; second year = 30-59 credits; third year = 60-89 credits; and fourth year = equal or greater than 90 credits.

Credential:

The credential is awarded upon completion of the required university and program academic and curricular requirements. A credential can be a certificate of completion, citation, a certificate, a diploma, an associate degree, a bachelor's degree, a post-baccalaureate certificate, or a post-baccalaureate diploma.

CRN:

Stands for 'Course Reference Number'. This is the number which is attached to a specific section of a course and is used to register in a particular section of a course.

Diploma:

A diploma is generally a 60 credit program that takes two years full time.

Drop:

De-registering from a course before the end of late registration (no record of the withdrawal is recorded on your transcript).

Educational Advisors:

Advisors are available to guide students in selecting and planning effective programs of studies for university transfer and career training programs through group course planning sessions and through individual consultations as well as provide referrals to other members of the university community.

Elective:

A course which is freely selected by a student to fulfill degree requirements. All degree programs include some required classes and some electives. Electives may or may not be transferable to the chosen institution.

Faculty:

Professors or instructors are known as faculty members.

Faculty or Faculties:

A division or branch of learning within a college or university, for example, the Faculty of Arts.

Fixed intake:

Trades / Apprenticeship programs have a limited number of seats, and begin and end on dates that are usually different from Kwantlen's regular semester dates, known as 'fixed-

intake'. Admission to most Trades / Apprenticeship programs requires a selection process based on specific program admission requirements. Qualified applicants are wait-listed by date of qualification.

Full time:

A student who is enrolled in nine or more semester credit hours is considered to be full-time. The minimum course load to qualify for a student loan is nine post-secondary undergraduate level credits.

Grade Point Average (GPA):

Is calculated by multiplying the grade points associated with the letter grade received in a course by the number of credits assigned to that course, adding those values for all courses taken, and dividing the result by the total number of credits taken. Withdrawals are not included in the calculations. For repeated courses, only the highest grade achieved is used in the calculation.

Cumulative Grade Point Average (CGPA) is the GPA calculated over all the terms in which the student has been enrolled.

Program GPA is the GPA you have achieved in all courses that will be counted towards graduation.

Term Grade Point Average (TGPA) is an overall weighted average of the marks which you earned in a particular term.

Graduation:

Is the term used to acknowledge that you have met your program requirements and that your credential has been audited by the Office of the Registrar and conferred by Senate to graduate from the program.

ITA-ID

This is the Industry Training Authority Individual Identification Number, formerly known as the Trade Worker ID (TWID) number.

Limited Enrolment:

Limited enrolment programs have a limited number of seats available within each intake.

Lower Division Requirements:

These are requirements that should be completed in the first 60 credits of a baccalaureate degree; also referred to as 1st and 2nd year requirements.

Major:

A major is the principal subject or area of concentration within a Bachelor Degree.

Minor:

A minor is a secondary subject area of concentration within a Bachelor Degree.

myKwantlen:

A web service that can be reached directly (mykwantlen.ca). For students, myKwantlen provides access to online registration. myKwantlen also has information on student accounts, final grades and personal information.

Open Admission:

An open admission program has program admission requirements that are the same as the general university admission requirements.

Open Registration:

Open registration programs are those programs in which students may register for one or more courses in accordance with an established registration priority system. Most semester-based programs are open registration programs.

Part-Time:

At Kwantlen, a student who is registered in less than 9 credits hours of study in a semester is considered part-time.

PIN:

PIN stands for (Personal Identification Number). Initially, this is a 9-character based on your birth date (DDMonYYYY), i.e., January 01, 1999 will be 01Jan1999. This will be your PIN the very first time you login to myKwantlen. You will immediately be asked to change to a more secure PIN.

NOTE: If you applied to study at KPU prior to July 15, 2014, your PIN is a 6-digit number based on your birth date (DDMMYY) until you change it.

Policies:

All official policies related to being a student at Kwantlen can be found at kwantlen.ca/policies. This includes information about grades, withdrawal from courses and tuition.

Prerequisite:

A class that needs to be taken and passed before another course can be taken. For example, you need to take ENGL 1100 before you can ENGL 1202. Generally a prerequisite course must be completed with a grade of (C) or higher unless otherwise stated. Pre-requisite requirements can be found in the Course Description section of the Academic Calendar.

Prior Learning Assessment (PLA):

To grant credits towards a certificate, diploma, or degree for learning gained through work, training, or informal experience.

Program:

Term used to describe an academic area that culminates in a certificate, diploma or degree.

Program Requirements:

Courses which are mandatory for a particular certificate, diploma, or degree.

Registration:

The process of signing up for a specific course. At Kwantlen this is done online. Registration starts between two to four months before classes start and continues into the second week of classes. More information about registering for classes can be found in the Registration Guide (kwantlen.ca/registration).

Withdraw:

To formally remove yourself from a class via the On-line Self Service account. If this is done prior to the deadline, students will receive a 'W' in their transcripts and will not be calculated into their grade point average. There is also formal withdrawal from all courses and program at the University.

Program Index

Access

- Access Programs for People with Disabilities

Accounting

- Accounting: Bachelor of Business Administration
- Accounting: Diploma
- Accounting: Certificate

Adult Basic Education

- Adult Basic Education: Certificates of Completion

Adult Basic Education

- Academic and Career Preparation: BC Adult Graduation Diploma (Adult Dogwood)

Agriculture

- Sustainable Agriculture: Bachelor of Applied Science

Anthropology

- Anthropology: Bachelor of Arts Major and Minor
- Anthropology: Associate of Arts Degree

Appliance Servicing

- Appliance Servicing: Certificate

Applied Business Technology

- Applied Business Technology: Diploma

Arborist Technician

- Arborist Technician: Apprenticeship

Arts

- Bachelor of Arts Framework
- Associate of Arts Degree Framework
- Double Minor: Bachelor of Arts
- Arts: Diploma
- Arts: Certificate
- Bachelor of Arts Qualifying Year

Asian Studies

- Asian Studies: Bachelor of Arts Major and Minor
- Asian Studies: Associate of Arts Degree

Automotive Service Technician

- Automotive Service Technician: Certificate (Foundation)
- Automotive Service Technician: Apprenticeship

Biology

- Biology: Bachelor of Science Major
- Biology: Associate of Science Degree

Brewing and Brewery Operations

- Brewing and Brewery Operations: Diploma

Building Envelope Technician

- Building Envelope Technician: Apprenticeship

Business Administration

- Business Administration: Diploma
- Entrepreneurial Leadership: Bachelor of Business Administration

Business General

- General Business Studies: Diploma
- General Business Studies: Certificate

Business Management

- Business Management: Diploma
- Business Management: Certificate

Canadian Studies

- Canadian Studies: Associate of Arts Degree

Career Choices and Life Success

- Career Choices and Life Success: Citation

Carpentry/Building Construction

- Carpentry/Building Construction: Citation (Foundation)
- Carpentry/Building Construction: Apprenticeship

Chemistry

- Chemistry: Associate of Science Degree

Community Criminal Justice

- Community Criminal Justice: Bachelor of Arts (also: Honours)

Computer Aided Design & Drafting

- Computer Aided Design & Drafting: Diploma

Computer Information Systems

- Computer Information Systems: Diploma
- Computer Information Systems: Certificate

Counselling

- Counselling: Bachelor of Arts Minor

Creative Writing

- Creative Writing: Bachelor of Arts Major and Minor
- Creative Writing: Associate of Arts Degree

Criminology

- Criminology: Bachelor of Arts Honours, Major, and Minor
- Criminology: Associate of Arts Degree
- Criminology: Diploma
- Criminology: Certificate

Design

- Foundations in Design: Certificate

Economics

- Economics: Bachelor of Arts Minor
- Economics: Associate of Arts Degree

Electrician

- Construction Electrician: Citation (Foundation)
- Construction Electrician: Apprenticeship

Engineering

- Engineering, Eight Month: Certificate
- Engineering: Certificate

English

- English: Bachelor of Arts Major and Minor
- English: Associate of Arts Degree

English Language Studies

- English Language Proficiency: Diploma
- English Language Preparatory Program

Environmental Protection

- Environmental Protection: Diploma of Technology

Farrier

- Advanced Farrier Training: Certificate

Fashion

- Fashion & Technology: Bachelor of Design
- Fashion Marketing: Diploma

Fine Arts

- Fine Arts: Bachelor of Fine Arts, Visual Arts
- Fine Arts: Diploma
- Fine Arts: Certificate

General Science

- General Science: Associate of Science Degree

General Studies

- General Studies: Bachelor of Arts Degree
- General Studies: Associate of Arts Degree
- General Studies: Diploma

Geography

- Geography: Associate of Science
- Geography: Bachelor of Arts Minor
- Geography: Associate of Arts Degree

Gerontology

- Gerontology-Based Therapeutic Recreation: Certificate

Graphic Design for Marketing

- Graphic Design for Marketing: Bachelor of Design

Health Care

- Health Care Assistant: Certificate
- Health Unit Coordinator: Certificate

Health Science

- Health Science: Bachelor of Science Major

History

- History: Bachelor of Arts Major and Minor
- History: Associate of Arts Degree

Horticulture

- Horticulture Technology: Diploma
- Horticulture Technology: Citations
- Landscape Horticulture: Apprenticeship
- Plant Health: Bachelor of Horticulture Science Major
- Urban Ecosystems: Bachelor of Horticulture Science Major
- Production Horticulture: Apprenticeship

Human Resources Management

- Human Resources Management: Post Baccalaureate Diploma
- Human Resources Management: Bachelor of Business Administration

Information Technology

- Information Technology: Bachelor of Technology

Interior Design

- Interior Design: Bachelor of Interior Design

Journalism

- Journalism: Bachelor of Journalism (also: Honours)

Legal Administrative Studies

- Legal Administrative Studies: Certificate

Marketing

- Marketing Management: Bachelor of Business Administration
- Marketing Management: Diploma

- Marketing: Certificate

Masonry

- Masonry: Citation (Foundation)

Mathematics

- Mathematics, Applications of: Bachelor of Science Honours, Major, and Minor
- Mathematics: Bachelor of Arts Minor
- Mathematics: Associate of Science Degree

Metal Fabrication

- Metal Fabrication/Fitter: Citation (Foundation)
- Metal Fabrication: Apprenticeship

Millwright/Industrial Mechanic

- Industrial Mechanic/Millwright: Apprenticeship
- Millwright/Industrial Mechanic: Citation (Foundation)

Modern Languages

- Modern Languages

Music

- Music, General Studies: Bachelor of Music in Musical Arts Degree
- Music: Associate of Arts Degree
- Music: Diploma

NGOs and Nonprofit Studies

- Non-Governmental Organizations and Nonprofit Studies: Certificate

Nursing

- Critical Care Nursing: Post Baccalaureate Certificate
- Graduate Nurse Qualifying: Certificate of Completion
- Graduate Nurse Re-Entry: Citation
- Graduate Nurse, Internationally Educated Re-entry: Certificate
- Nursing: Bachelor of Science in Nursing
- Nursing: Bachelor of Science in Nursing Post-Baccalaureate
- Nursing: Degree Completion for Registered Nurses
- Psychiatric Nursing: Bachelor of Psychiatric Nursing
- Psychiatric Nursing: Degree Completion for Registered Psychiatric Nurses
- Psychiatric Nursing: Degree Completion for Stenberg College Graduates

Outdoor Power Equipment

- Outdoor Power Equipment Technician: Citation

Parts & Warehousing

- Logistics & Distribution: Apprenticeship
- Parts & Warehousing: Citation (Foundation)
- Parts & Warehousing: Apprenticeship

Philosophy

- Philosophy: Bachelor of Arts Honours, Major, and Minor
- Philosophy: Associate of Arts Degree

Physics

- Physics for Modern Technology: Bachelor of Science Major
- Physics for Modern Technology Foundation Year
- Physics: Associate of Science

Plumbing

- Plumbing: Citation (Foundation)
- Plumbing: Apprenticeship

Policy Studies

- Policy Studies: Bachelor of Arts Major and Minor

Political Science

- Political Science: Bachelor of Arts Major and Minor
- Political Science: Associate of Arts Degree

Power Line Technician

- Power Line Technician: Citation

Product Design

- Product Design: Bachelor of Design

Psychology

- Psychology: Bachelor of Applied Arts (also: Honours)
- Psychology: Bachelor of Arts Honours, Major, and Minor
- Psychology: Associate of Arts Degree
- Psychology - Applied: Bachelor of Science (also: Honours)

Public Relations

- Public Relations: Diploma

Public Safety Communications

- Public Safety Communications: Certificate

Qualifying Studies

- University Qualifying Studies

Science

- Associate of Science Degree Framework
- Science: Diploma
- Science & Math Information

Sociology

- Sociology: Bachelor of Arts Major and Minor
- Sociology: Associate of Arts Degree

Special Education Teacher Assistant

- Special Education Teacher Assistant: Certificate

Technical Apparel Design

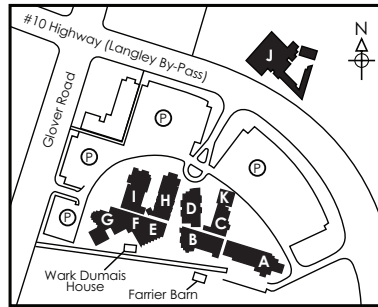
- Technical Apparel Design: Post Baccalaureate Diploma

Welding

- Welding: Apprenticeship
- Welding Foundation: Certificate
- Welding Level 'A': Citation
- Welding Level 'B': Citation

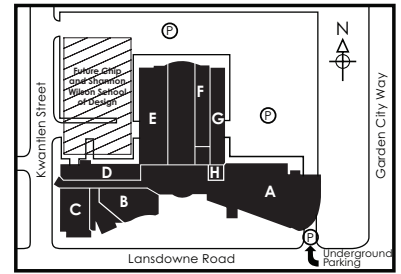


KPU Langley



- A, C, D, F, I:** Classrooms, Faculty Office, Labs
- B:** Cafeteria, Student Association
- D:** Bookstore
- E:** Library
- F:** The Learning Centre
- G:** Auditorium
- H:** Student Enrolment Administration, Student Services, Student Awards & Financial Assistance
- I:** Classrooms, Labs, Faculty Offices
- J:** Horticulture Field Lab
- K:** Institute of Sustainable Horticulture

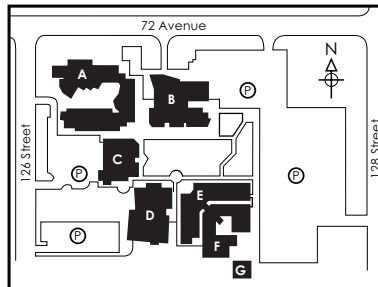
KPU Richmond



- A:** Library Learning Centre
- B:** Cafeteria
- C, D:** Classrooms, Labs, Faculty Offices
- E:** Administration, Student Services, Student Enrolment, International, Student Awards & Financial Assistance, Meeting Rooms, Counselling, Advising
- F:** Bookstore
- G:** Yoga Studio, Classrooms, Labs, Faculty Offices
- H:** Student Association

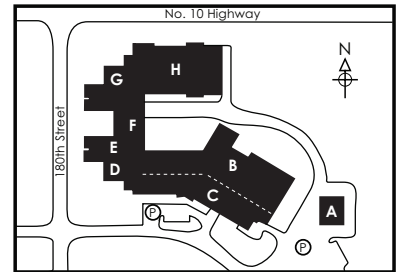
2nd and 3rd floors in the East, West and North Wings: Labs, Classrooms, Studios, Faculty Offices, Conference Center

KPU Surrey



- (A) Cedar:** Administration, Faculty Offices, Classrooms, Labs, Gymnasium, Fitness Centre, Grass Roots Cafe, Student Association, Conference Centre
- (B) Main:** Student Enrolment, Future Students Office, Student Awards & Financial Assistance, Aboriginal Gathering Place, Student Services
- (C) Birch:** Bookstore, Cafeteria
- (D) Arbutus:** Library, Learning Centre
- (E) Fir:** Art Gallery, Lecture Theatre, Classrooms, Studios, Labs, Faculty Offices
- (F) Spruce:** Classrooms, Studios, Labs, Faculty Offices
- (G) Yew:** Storage

KPU Tech



- A:** Farrier
- B:** Workspace
- C:** Classrooms
- D:** Student Services, Continuing & Professional Studies
- E:** Bookstore
- F:** Cafeteria
- G:** Library
- H:** Workspace, Classrooms
- I:** Student Association



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