

Computer Information Systems: Diploma

Intake for this diploma program has been postponed indefinitely.

Faculty of Business	
kwantlen.ca/business	
IMPLEMENTATION DATE	START DATE(S)
01-Sep-2011	September January May
ADMISSION TYPE	ENROLMENT TYPE
Open admission	Open access
PROGRAM TYPE	CREDENTIAL GRANTED
Undergraduate	Diploma
OFFERED AT	FORMAT
Richmond Surrey	Full-time Part-time Co-op
HOW TO APPLY	
www.kwantlen.ca/admission	

DESCRIPTION

This program provides graduates with diverse computing knowledge to meet the needs of organizations of all sizes.

This program has been accredited by the Canadian Information Processing Society's (CIPS) College Program Accreditation Council (CPAC). The CPAC works with academic institutions to ensure that educational programs prepare students for the demands of the information systems profession. Completion of accredited programs assists graduates in pursuing the Information Systems Professional of Canada (ISP) designation. More information about CIPS and the professional certification program can be obtained at www.cips.ca or 416.861.2477.

Approximately 22 hours per week is spent in classroom and laboratory settings. Students should expect to invest a minimum of an additional 30 hours per week completing assignments and projects. Students are encouraged to fully investigate workload issues before attempting to maintain any level of part-time employment outside of their studies.

Transfer to a Degree Program

Kwantlen students who complete the prescribed courses in the Computer Information Systems Diploma program with a GPA of 2.7 or better will be eligible to enter the third year of the BTech (IT) Degree program. For more information see Information Technology (INFO).

An articulation agreement with the University of Lethbridge allows the graduating students of the Cisy diploma program to complete post-diploma BSc in Computer Science in two additional years. Transfer credit to other post-secondary

educational institutes will be reviewed on an individual course basis.

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
- Software quality assurance and testing
- Web design and development
- Technical documentation

PROGRAM ADMISSION REQUIREMENTS

General university admission requirements apply to this program including the undergraduate-level English Proficiency Requirement.

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), and Math 11—C+ (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.

CO-OPERATIVE EDUCATION

This diploma program is offered with a Co-operative Education option. Co-operative Education provides a student with paid, practical work experience that gives them an opportunity to apply the skills they are gaining through their education. Diploma students can complete two separate 4-month work semesters.

Co-operative Education is optional and selective. Students wishing to choose the Co-op option must register into COOP 1101 in conjunction with their first academic term courses. Prerequisites for the first Co-op work term (COOP 1100) are permission of the instructor as well as the completion of COOP 1101 and first year courses with a minimum grade point average.

Students must complete a minimum of 360 hours of work per work term and students must receive satisfactory performance evaluations from their employer(s).

The Co-operative Education designation requires successful completion of the following courses:

All of:

COOP 1101 Job Search Techniques 1 credit

COOP 2101 Leadership and the Job Search 1 credit

COOP 2301 Career Search 1 credit

And either:

COOP 1110 Co-op Work Semester 1 9 credits

Or both:

COOP 1111 Co-op Work Semester 1 4.5 credits

COOP 1112 Co-op Work Semester 1 4.5 credits

And either:

COOP 2110 Co-op Work Semester 2 9 credits

Or both:

COOP 2111 Co-op Work Semester 2 4.5 credits

COOP 2112 Co-op Work Semester 2 4.5 credits

Students applying for Co-operative Education must complete all prescribed courses with a cumulative GPA of at least 2.33 (C+), with no grade below a C in all required courses to progress to subsequent semesters.

The following qualifications must be met **prior to your first work term:**

- COOP 1101
- permission of the instructor
- completion of first year courses with a minimum 2.33 grade point average.

Note: Students completing all required courses for Co-op mode are exempt from CISY 2415 Computer Project.

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

CONTENT

Students must complete all courses listed in Group A and three courses from Group B. All courses are not 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.

Group A

All of:

Semester 1 - Fall

CISY 1105 PC Hardware and Applications 3 credits

CISY 1113 Principles of Program Structure and Design 3 credits

CISY 1212 Systems Analysis and Design 3 credits

ENGL 1100 Writing, Reading and Thinking: An Introduction 3 credits

PHIL 1150 Basic Logic 3 credits

Semester 2 - Spring

CISY 1213 Operating Systems Principles and Applications 3 credits

CISY 1215 Enterprise Networking 3 credits

CISY 1218 Internet Application Development 3 credits

CISY 1220 Foundations in Applied Computing 3 credits

CISY 2311 C/C++ Programming 3 credits

CISY 2312 Systems Development Methodologies 3 credits

Semester 3 - Summer

No courses (except for Co-op students) in Semester 3

Semester 4 - Fall

CISY 2313 Data Communications 3 credits

CISY 2314 Database Management System 3 credits

CISY 2411 GUI and Object-Oriented Programming 3 credits

CISY 2413 Object-Oriented Software Engineering 3 credits

CMNS 1140 Business and Technical Communication: Theory and Application 3 credits

Semester 5 - Spring

CISY 2415 Computer Project (Note: Students completing all required courses for Co-op mode are exempt from this course) 3 credits

Semester 6 - Summer

CISY 2315 Data Structure 3 credits

CISY 2412 Emerging Technologies 3 credits

CISY 2414 Management of Information Systems 3 credits

Group B

All of:

BUSI 1215 Organizational Behaviour I 3 credits

Two of:

ACCT 1230 Business Statistics or BUQU 1230 Business Statistics1 3 credits

ACCT 2293 Introductory Financial Accounting 3 credits

ACCT 3320 Introductory Management Accounting 3 credits

Any undergraduate level ECON (one course) 3 credits

Any undergraduate level MRKT (one course) 3 credits

Note: Students may earn credits for only one of ACCT 1230 or BUQU 1230.

GRADUATION

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**.