MATHEMATICS QUALIFYING (MATQ)

This is a list of the Mathematics Qualifying (MATQ) courses available at KPU.

For information about transfer of credit amongst institutions in B.C. and to see how individual courses transfer, go to the BC Transfer Guide bctransferguide.ca

Note: These courses are not at the post-secondary level and therefore are not eligible for Education Tax Credit or Tuition Tax Credit (T2202A).

MATQ 0027   **0 Credits**
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

MATQ 1071   **.5 Credits**
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.).

NOTE: Students enrolled in this course in continuous-intake format may be required to satisfy a learning contract in order to renew their enrollment.

Prerequisites: Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1071

MATQ 1072   **.5 Credits**
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.

NOTE: Students enrolled in this course in continuous-intake format may be required to satisfy a learning contract in order to renew their enrollment.

Prerequisites: One of the following: (a) MATQ 1071 or (b) Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1072

MATQ 1073   **.5 Credits**
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.

NOTE: Students enrolled in this course in continuous-intake format may be required to satisfy a learning contract in order to renew their enrollment.

Prerequisites: One of the following: (a) MATQ 1072 or (b) Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1073

MATQ 1074   **.5 Credits**
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.

NOTE: Students enrolled in this course in continuous-intake format may be required to satisfy a learning contract in order to renew their enrollment.

Prerequisites: One of the following: (a) MATQ 1073 or (c) Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1074

MATQ 1075   **.5 Credits**
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.

NOTE: Students enrolled in this course in continuous-intake format may be required to satisfy a learning contract in order to renew their enrollment.

Prerequisites: One of the following: (a) MATQ 1074 or (b) Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1075

MATQ 1076   **.5 Credits**
Adult Literacy Fundamental Mathematics Level 6
Students will learn ratio, rate, proportion, percentage, and descriptive statistics.

Prerequisites: One of the following: (a) MATQ 1075 or (b) Academic and Career Preparation (ACP) Math Assessment placement into MATQ 1076

MATQ 1079 (formerly MATQ 1091)   **3 Credits**
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.

In the event of a discrepency between this document and the official KPU 2018-19 Calendar (available at www.kpu.ca/calendar/2018-19), the official calendar shall be deemed correct.

2018-19 Calendar   **www.kpu.ca/calendar/2018-19**

MATQ 1089 3 Credits
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: Level G1 as defined in the Math Alternatives Table
Attributes: F2B2

MATQ 1093 3 Credits
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

MATQ 1094 3 Credits
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: Level F1 as defined in the Math Alternatives Table

MATQ 1099 3 Credits
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: Level F1 as defined in the Math Alternatives Table

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