

MATHEMATICS QUALIFYING (MATQ)

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

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 (formerly ABEM 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
Not Transferable

MATQ 1071 (formerly MATQ 0001) .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.).

Prerequisites: ACP Math Assessment
Not Transferable

MATQ 1072 (formerly MATQ 0002) .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.

Prerequisites: MATQ 1071 or MATQ 0001 or ABEM 0001 or ACP Math Assessment
Not Transferable

MATQ 1073 (formerly MATQ 0003) .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.

Prerequisites: MATQ 1072 or MATQ 0002 or ABEM 0002 or ACP Math Assessment
Not Transferable

MATQ 1074 (formerly MATQ 0004) .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.

Prerequisites: MATQ 1073 or MATQ 0003 or ABEM 0003 or ACP Math Assessment
Not Transferable

MATQ 1075 (formerly MATQ 0005) .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.

Prerequisites: MATQ 1074 or MATQ 0004 or ABEM 0004 or ACP Math Assessment
Not Transferable

MATQ 1076 (formerly MATQ 0006) .5 Credits **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
Not Transferable

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.

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: 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"
Not Transferable

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
Not Transferable

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: 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 (formerly MATP 1011)**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: 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