

# Financial & Workplace Mathematics 110

## TOPICS:

Trigonometry, angles, scale models and drawings, financial math, proportions and unit analysis.

PATHWAY:  
Trades/  
Workplace

ASSESSMENT:  
Conversations,  
observations, exit  
passes, quizzes,  
assignments, final  
cumulative exam.

TIME:  
Approx. 2  
hours/week  
outside class.

PREREQUISITE:  
Geometry,  
Measurement,  
Finance 10

ONE OF THE OPTIONS FOR MATH 11 GRAD REQUIREMENT

# Foundations of Mathematics 110

## TOPICS:

Logical reasoning, problem solving, higher trigonometry, linear inequalities, quadratic functions.

## ASSESSMENT:

Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

## PREREQUISITE:

Numbers, Relations, Functions 10

## TIME:

Approx. 2-3 hours/week outside class.

## PATHWAY:

College/  
University

ONE OF THE OPTIONS FOR MATH 11 GRAD REQUIREMENT

# Foundations of Mathematics 120

## TOPICS:

Statistics, set theory, probability, binomial theorem, permutations and combinations, advanced functions.

## ASSESSMENT:

Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

## PREREQUISITE:

Foundations of Mathematics 110

## TIME:

Approx. 2-3 hours/week outside class.

## PATHWAY:

College/  
University

# Pre-Calculus 110

## TOPICS:

Absolute value, radicals, rationals, higher trigonometry, quadratics, systems of equations & inequalities.

PATHWAY:  
University  
(sci./eng.)

ASSESSMENT:  
Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

TIME:  
Approx. 3-4 hours/week outside class.

PREREQUISITE:  
Foundations of Mathematics  
110

# Pre-Calculus A 120

## TOPICS:

Transformations, radians, exponentials, logarithmics, unit circle, trigonometric identities.

PATHWAY:  
University  
(sci./eng.)

ASSESSMENT:  
Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

TIME:  
Approx. 2-3 hours/week outside class.

PREREQUISITE:  
Pre-Calculus 110

GENERALLY CONCURRENT WITH PRE-CALCULUS B 120.

# Pre-Calculus B 120

## TOPICS:

Sequences and series, polynomials, radicals, rationals, binomial theorem, limits, permutations and combinations.

PATHWAY:  
University  
(sci./eng.)

ASSESSMENT:  
Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

TIME:  
Approx. 2-3 hours/week outside class.

PREREQUISITE:  
Pre-Calculus  
A 120

GENERALLY CONCURRENT WITH PRE-CALCULUS A 120.

# Calculus 120

## TOPICS:

Rates of change, derivatives (trig, exp, log), chain rule, related rates, problem solving, antiderivatives, integrals.

PATHWAY:  
University  
(sci./eng.)

ASSESSMENT:  
Conversations, observations, exit passes, quizzes, assignments, final cumulative exam.

TIME:  
Approx. 4  
hours/week  
outside class.

PREREQUISITE:  
Pre-Calculus  
B 120