MATH 105: Trigonometry (3)
Prerequisite: MATH 103 College Algebra or MATH 111 College Algebra I
In this course the student will study triangle trigonometry, trigonometric functions, trigonometric identities and equations and applications of trigonometry.

MATH 107: Pre-Calculus (3)
Prerequisite: MATH 112 College Algebra II or MATH 103 College Algebra
In this course the student will study trigonometric functions, solving triangles, analytic geometry, theory of equations, sequences, series and induction.

MATH 111: College Algebra I (3)
Prerequisite: Placement based on TMCC Math Placement Test or MATH 102 Intermediate Algebra
In this course the student will cover graphs and technology, equations, inequalities, functions and their graphs, polynomials and rational functions.

MATH 112: College Algebra II (3)
Prerequisite: Prerequisite: MATH 111 College Algebra I
In this course the student will cover exponential and logarithmic functions, systems of equations and equalities, discrete algebra and analytic geometry.

MATH 165: Calculus I (4)
Prerequisite: MATH 105 Trigonometry
In this course the student will study limits, continuity, differentiation, indefinite integrals, definite integrals, application of derivative, logarithmic and exponential functions, and numerical integration.

MATH 166: Calculus II (4)
Prerequisite: MATH 165 Calculus I
In this course the student will study techniques of integration, applications of integration, polar equations, sequences, series, and power series.

MATH 210: Statistics I (3)
Prerequisite: Math 112 or MATH 103 or department approval.
In this course the student will study the description of sample data, numerical methods for analyzing data, normal distribution, sampling, estimation, hypothesis testing, linear correlation, regression, probability, rules of probability, discrete probability distributions and the
properties, chi-square distribution, analysis of variance and nonparametric statistics. Emphasis is given to application in word problems.

**MATH 211: Statistics II (3)**
Prerequisite: Math 212 Statistics
In this course the student will study the description of sample data, numerical methods for analyzing data, normal distribution, sampling, estimation, hypothesis testing, linear correlation and regression. Emphasis is given to application in word problems.