MAT 031 Developmental Basic Mathematics (3-0-3)
(This course is currently inactive and not being offered)
Prerequisite: Placement into RDG 032 or higher
Note: Credit for this course does not transfer to any four-year college and may not be counted as credit toward any degree. This course includes the study of whole numbers, fractions, decimals, ratios, and proportions. Concepts are applied to real-world problem solving.

MAT 032 Developmental Mathematics (3-0-3)
(This course is currently inactive and not being offered)
Prerequisites: MAT 031 or satisfactory math placement, plus placement into RDG 032 or higher
Note: Credit for this course does not transfer to any four-year college and may not be counted as credit toward any degree. This course includes the study of integers, rational numbers, percents, basic statistics, measurement, geometry, and basic algebra concepts. Application skills are emphasized.

MAT 100 Introductory College Math (Non-Degree Credit) (5-0-5)
Offered Fall, Spring and Summer Semesters
Prerequisite: Placement into RDG 032 or higher
Note: Credit for this course does not transfer to any four-year college and may not be counted as credit toward any degree. This course includes the following topics in an algebraic context: mathematical methods, techniques, ways of thinking and problem solving. Non-degree credit.

MAT 101 Beginning Algebra 3-0-3
(This course is currently inactive and not being offered)
Prerequisite: MAT 032 or satisfactory math placement, plus placement into RDG 032 or higher
Note: Credit for this course does not transfer to any four-year college and may not be counted as credit toward any degree. This course includes the study of rational numbers and their applications, operations with algebraic expressions, linear equations and applications, linear inequalities, graphs of linear equations, operations with exponents and polynomials, and factoring.

MAT 102 Intermediate Algebra 3-0-3
(This course is currently inactive and not being offered)
Prerequisite: MAT 100 or MAT 101 or satisfactory math placement, plus placement into RDG 032 or higher
This course includes the study of linear systems and applications; quadratic expressions, equations, functions and graphs; and rational and radical expressions and functions.

MAT 103 Quantitative Reasoning (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 105 or satisfactory placement, plus placement into ENG 101 or higher
This course is designed to develop quantitative reasoning and critical thinking skills. Topics include logic and computers, probability and statistics, financial mathematics, and additional applications selected to address areas of contemporary interest.

MAT 105 Introduction to College Algebra (5-0-5)
Offered Fall, Spring and Summer Semesters
Prerequisite: MAT 100 or MAT 032 or satisfactory placement, plus placement into RDG 032 or higher
This course includes mathematical methods, problem solving, operations with real numbers, variable expressions, polynomials, factoring, solving simple fractional, linear, and quadratic equations and inequalities, graphing, systems of equations and functions.
MAT 155 Contemporary Mathematics (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 100 or MAT 032 or satisfactory placement, plus placement into ENG 101 or higher.
This course includes techniques and applications of the following topics: properties of and operations with real numbers, elementary algebra, consumer mathematics, applied geometry, measurement, graph sketching and interpretations and descriptive statistics.

MAT 170 Algebra, Geometry and Trigonometry I (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 100 or MAT 032 or satisfactory placement, plus placement into ENG 101 or higher.
This course includes the following topics: elementary algebra, geometry, trigonometry and applications.

MAT 211 Math for Elementary Education I (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 105 or satisfactory placement, plus placement into ENG 101 or higher.
This course includes the following topics: logic, set theory, properties of and operations on counting numbers, integers, rational numbers and real numbers.

MAT 212 Math for Elementary Education II (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 211, plus placement into ENG 101 or higher.
This course includes the following topics: basic algebra, introductory geometry, probability and statistics.

MAT 215 Geometry (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 105 or satisfactory placement, plus placement into ENG 101 or higher.
This course includes the following topics: Euclidean geometry of points, lines, triangles, circles and polygons; right triangle trigonometry; and analytical geometry of the straight line. (This course is designed primarily for elementary teachers.)

MAT 220 Advanced Statistics (3-0-3)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 120, plus placement into ENG 101 or higher.
This course includes the following topics: estimation of parameters; formulation and testing of hypotheses; multiple and non-linear regression; correlation; contingency tables; analysis of variance; special distributions; introduction to non-parametric statistics.

MAT 230 Basic Multivariable Calculus (3-0-3)
Offered Summer Semester
Prerequisites: MAT 130 or higher; plus placement into ENG 101 or higher.
This course includes the following topics: partial derivatives; extrema problems; multiple integration; continuous probability distributions; difference equations; and management and economic applications.

MAT 240 Analytical Geometry & Calculus III* (4-0-4)
Offered Fall, Spring and Summer Semesters
Prerequisites: MAT 141, plus placement into ENG 101 or higher.
This course includes the following topics: multivariable calculus, including vectors; partial derivatives and their applications to maximum and minimum problems with and without constraints; line integrals; multiple integrals in rectangular and other coordinates; and Stokes' and Green's theorems.