

Math (30 credits required)

Algebra I

Math Elective
10 credits 5 each semester
Recommended Prerequisite(s) Pass 8th grade math with at least C/pass
placement test
Course Description:

This class starts with simple 1-step equations, to several transformations and building to problem solving. Add, subtract, multiply, divide, and factor polynomials. Ratios, proportions, percents with problem solving. Functions: slopes, tables, graphs, variations. Solve linear equation. Graph inequalities and quadratic function.

Algebra II

Math Elective
10 credits 5 each semester
Recommended Prerequisite(s) Algebra I
Course Description:

Continuation of skills learned in Algebra 1. Students must have successfully completed Algebra 1. Algebra 11 may be taken the same year as Geometry with the instructor's permission.

Calculus

Math Elective
10 credits 5 each semester
Recommended Prerequisite(s) Algebra I, Geometry, Algebra II, and Pre-
calculus.
Course Description:

This is a basic study of single variable calculus. The class will take an in depth look at limits, differentiation, integration and application of these topics. Students must have successfully completed all of the prerequisites.

General Math I

Math Elective
10 credits 5 each semester
Recommended Prerequisite(s) 8th math
Course Description:

General Math I combines number sense, algebra, geometry, statistics, and logic in an integrated approach to mathematics in order to help ensure students will have the skills they need for the 21st Century. Every class period begins with a mad minute sheet to work on the basic math skills of addition, subtraction, multiplication, and division without the use of a calculator. Calculators are permitted during daily assignments, handouts, and tests.

General Math II

Math Elective
10 credits 5 each semester
Recommended Prerequisite(s) General Math I

Course Description:

General Math II continues to combine number sense, algebra, geometry, statistics, and logic in an integrated approach to mathematics in order to help ensure students will have the skills they need for the 21st Century. Every class period begins with a mad minute sheet to work on the basic math skills of addition, subtraction, multiplication, and division without the use of a calculator. Calculators are permitted during daily assignments, handouts, and tests.

Geometry

Math Elective

10 credits 5 each semester

Recommended Prerequisite(s) Algebra 1

Course Description:

The study of basic geometry skills, in depth look at points, lines, planes, polygons, circles and constructions. Students will also use theorems and postulates to define rules when working with geometric figures and help build their mathematical reasoning skills. Students must have successfully completed Algebra I. May be taken the same year as Algebra II with the instructor's permission.

Pre-calculus

Math Elective

10 credits 5 each semester

Recommended Prerequisite(s) Algebra 1 and 11, Geometry

Course Description:

Students will spend most of the year studying polynomial, logarithmic, exponential, and trigonometric functions, their graphs and applications. Some time will also be spent looking at analytic geometry, matrices, and probability. This class is geared more toward the student going into a math related field. Successful completion of the prerequisites is required.