

COURSE DESCRIPTIONS FOR CLASSES AFTER ALGEBRA II

Advanced Algebra / Trig

Immediately follows Algebra II. Covers all of Trigonometry and some of the Math Analysis SOLS. Counts toward an Advanced Diploma. This class provides a good foundation for students going on to community college or a four year college. It should be followed by Math Analysis for students planning to major in math, science, engineering, business, or technology.

Math Analysis

Immediately follows Advanced Algebra/Trig. Continues the study of Trigonometry and completes the remainder of the Math Analysis SOLS. This class, combined with Advanced Algebra / Trig will completely prepare a student for college majors which require you to take Calculus as a Freshman (math, science, engineering, business, computer programming, etc). Counts toward an Advanced Diploma.

Discrete Math

A less rigorous math class that doesn't feel as "mathy". Does not require a lot of algebra. Is considered above the level of Algebra II, and counts toward an Advanced Diploma. Best for a student who plans to go to college to major in fields other than math, science, engineering, business, or technology.

Introductory Statistics

Even less rigorous than Discrete Math. You will study data and how it can be analyzed. Very useful in many fields in college. Best for a student who plans to go to college to major in fields other than math, science, engineering, business, or technology. Not really considered above the level of Algebra II, but counts toward an Advanced Diploma.

Pre-AP Precalculus

This class is only for the most MOTIVATED math student who PLANS TO TAKE CALCULUS in high school or as a Freshman in college. There is an application process that must be completed, and you MUST BE RECOMMENDED by your teacher. The class covers ALL of the trigonometry and ALL of the Math Analysis SOLS in ONE SEMESTER. It is fast-paced and rigorous. This class is designed to prepare you for Calculus.

Computer Programming

An introductory course in computer programming. One Semester. This class DOES NOT count as a MATH credit, but is a math ELECTIVE.

AP Computer Science (2 SEMESTERS)

Students interested in programming or engineering would benefit from this class. It DOES count as a math credit. Must complete application and be recommended.

AP Statistics

(2 SEMESTER CLASS) Challenging class, but not in the way of Precalculus or Calculus. Very useful in business and technology fields, as well as the social sciences. Looks good on a college application, but does NOT prepare you for Calculus. Must complete application and be recommended.

AP Calculus (2 SEMESTERS)

A rigorous math class for the most MOTIVATED math student desiring to study engineering, science, math or technology in college. Prerequisite: Either Math Analysis or Pre-AP Precalculus. Must complete application and be recommended.