

COURSE DESCRIPTIONS FOR CLASSES AFTER ALGEBRA 2

Advanced Algebra/Trig (1 semester)

This class is a high level college preparatory class. It begins with a thorough review of Algebra concepts. The second nine weeks is devoted to trigonometry, which is useful in all upper level and college math classes. This class is a good choice for students planning to attend a 4 year college. If you are a sophomore and you intend to take Calculus in high school, you may want to double up and also take Math Analysis.

Math Analysis (1 semester) Prerequisite: Advanced Algebra / Trig

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. Students completing this class successfully may go on to AP/DE Calculus or other AP/DE math classes.

Pre-AP/DE Precalculus (1 semester)

This class is for the honors level student and takes the place of the 2 classes Advanced Algebra/Trig and Math Analysis and covers the material covered in those two classes. It is a fast paced college level class. Students completing this class successfully may go on to AP/DE Calculus or other AP/DE math classes. You may not take this class after Advanced Algebra/Trig. Must complete application and be recommended.

Discrete Math (1 semester)

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. If you will have to take Calculus in college, this class will not prepare you for Calculus.

Introductory Statistics (1 semester)

Another less rigorous math class. 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. If you plan to major in nursing, you should probably take this or AP/DE Statistics at some point.

AP/DE Computer Science (1 semester) application only

Students interested in programming or engineering would benefit from this class. It DOES count as a math credit. It is offered for college credit through Ferrum College. Must complete application and be recommended.

AP/DE 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. If you plan to major in nursing, you should probably take this or Introductory Statistics at some point.

AP Calculus (2 SEMESTER CLASS)

A rigorous math class for the most MOTIVATED math student desiring to study engineering, science, math, business or technology in college. Prerequisite: Either the combination of Advanced Algebra / Trig with Math Analysis or Pre-AP/DE Precalculus. Must complete application and be recommended.