

## Mathematics Department Prerequisites

Prerequisite courses provide students with the knowledge to complete subsequent courses successfully.

Students should not be enrolled in a course without the proper prerequisite coursework.

Course	Prerequisite Course(s)
Tech Math I	Algebra I (Part B, Part II, or Semester)
Geometry	Algebra I (Part B, Part II, or Semester)
Algebra II	Algebra I (Part B, Part II, Semester) or Alg I Plus
Algebra II Honors	Geometry Honors***, Algebra I Honors, Alg I Plus
Discrete Math	Algebra 11*
Trigonometry**	Algebra I II
Advanced Functions and Modeling	Algebra II
Precalculus Honors	Algebra II Honors
AP Statistics****	Algebra II (A or B), Algebra II Honors (A, B, C)
Introduction to College Math	Precalculus Honors & Trigonometry
AP Calculus	Precalculus Honors & Trigonometry

\* Students recommended for Discrete Math should be lower-achieving Algebra II students. Students who have high success in Algebra II or who have completed Honors work in mathematics should not be recommended for Discrete Math.

\*\*Trigonometry can be taken concurrently with other math courses after Algebra II.

\*\*\*In some instances, Honors Geometry can be taken concurrently with Honors Algebra II. However, it is strongly recommended that students complete Honors Geometry first.

\*\*\*\*AP Statistics can be taken concurrently with other math courses after Algebra II. The course involves a great deal of writing, precision, and analysis. Students should have a strong background in both English and Mathematics before taking this class.

The University System of NC requires students to take a math course beyond Algebra II. The courses that count toward this requirement are: AFM, Precalculus, Discrete Math, AP Statistics and AP Calculus. *ICM and Trigonometry do not count.*

Students fulfilling this requirement prior to their senior year will still need to take 4 math courses during their high school tenure in order to meet DPI graduation requirements.