

MATHEMATICS

AT SAINT IGNATIUS HIGH SCHOOL

The mission of the Saint Ignatius Mathematics Department is to help students become better problem solvers and critical thinkers by mastering and applying mathematical concepts.



Objectives

Courses in the Math Department teach students everything from algebra to advanced calculus, as well as computer programming. The course sequence has been designed to help students from a wide variety of backgrounds achieve their goals.

Courses

- Algebra Intervention Algebra I
- Algebra II
- Geometry
- Honors Geometry Mathematical Modeling & Reasoning
- Honors Algebra I
- Honors Algebra II
- Honors Algebra II/Trigonometry w/Limits Analysis
- Pre-Calculus
- Honors Pre-Calculus
- AP Pre-Calculus
- AP Calculus: AB
- AP Calculus: BC

Course Sequence

To meet graduation requirements, each student must earn four credits in mathematics courses, including Algebra II or equivalent. Incoming freshmen are placed by ability rather than grade level. Incoming freshmen placement is determined by Mastery Exams, Ohio End of Course exams, and other criteria.

If you start in this class your 1st year:	→	Classes you could take your 2nd year	→	Classes you could take your 3rd year	→	Classes you could take your 4th year
Algebra 1 or Honors Algebra 1	→	Geometry or Honors Geometry	→	Algebra 2 content course*	→	PreCalculus or Honors PreCalculus or AP PreCalculus or Advanced Placement courses or Electives
Geometry or Honors Geometry	→	Algebra 2 content course*	→	PreCalculus or Honors PreCalculus or AP PreCalculus or Electives	→	Advanced Placement courses or Electives
Honors Algebra 2	→	PreCalculus or Honors PreCalculus or AP PreCalculus or Electives	→	Advanced Placement courses or Electives	→	Advanced Placement courses or Electives
Honors PreCalculus or AP PreCalculus	→	AP Calculus AB or AP Calculus BC	→	AP Calculus BC or Multivariable Calculus or Advanced Placement courses or Electives	→	Multivariable Calculus or Linear Algebra or Advanced Placement courses or Electives
AP Calculus BC	→	Multivariable Calculus or Advanced Placement courses or Electives	→	Linear Algebra or Advanced Placement courses or Electives	→	Differential Equations or Advanced Placement courses or Electives

Electives

- AP Computer Science
- AP Statistics
- Advanced Computer Programming
- Computer Programming
- Linear Algebra
- Multi-variable Calculus