

## HONORS IN MATHEMATICS

The Mathematics Honors Program is for students who have demonstrated exceptional ability and interest in mathematics and who are willing to pursue a higher level of achievement. Seniors must demonstrate their abilities and interests by performing well in *AP Calculus BC*, by competing in regional and national mathematics competitions, and by completing an independent study in mathematics.

Candidates are expected to be active participants in the club Math Forum, and strong performers in American Mathematics Competitions and Indiana Mathematics League Contests.

The centerpiece of the HONORS program, the *Honors Seminar* courses will allow students class time to develop their research topics and learn new content necessary for their projects. *The course is a two term solid.*

### Prerequisites

- *Honors Geometry* 2 Terms
- *Honors Intermediate Algebra* 2 Terms
- *Honors Precalculus* 2 Terms
- *AP Calculus BC* 3 Terms

### Honors Project

Candidates will select topics to study in depth, to be approved by the HONORS Jury of the Mathematics Department, after which they will be assigned advisors by the Department Chair. Each candidate will write a complete technical report of his or her findings, for presentation to a scholarly forum including faculty members and fellow students.