Freshman Advising
For calculus track see other side

Incoming freshman are expected to take an online mathematics placement exam. A recommendation based on the results of the placement exam is provided to the student’s advisor. The charts provided here may provide additional assistance in determining the proper mathematics placement for the student. Students receiving mathematics advance placement should check with The Mathematics Department for proper mathematics courses.

If the last group of courses you took in high school was the following, begin here.

### Two years algebra and no geometry
- or

### Less than two years of algebra.

- If you feel you grasped most of the material in these courses, and placement exam recommends it.
- Do you wish to satisfy the mathematics core and increase your computational skills?
  - If you want to express your creative side and enhance your problem solving skills, in a programming course designed to require NO prior programming, take the following course.
  - MIS120 Alice
  - MIS126 Programming I
  - Statistics or Problem Solving
  - Precalculus I

- If you feel uneasy about much of the material in these courses, take one of the following courses. If you have a very weak algebra background, take statistics. Take problem solving especially if you plan to eventually move on to precalculus.

### One year of geometry and Two years of algebra
- or

### Equivalent

- If you feel uneasy about much of the material in these courses, take one of the following courses. If you have a very weak algebra background, take statistics. Take problem solving especially if you plan to eventually move on to precalculus.

- If you feel you grasped most of the material in these courses, and placement exam recommends it.
- Precalculus I

- If you would like an introduction to a modern programming language, where prior programming would be helpful, take the following course.
Freshman Advising
Calculus track

If the last course you took in high school was the following, begin here.

One year of precalculus or One year of analysis or Equivalent (Should have included trigonometry)

Are you required to or do you plan to take calculus?

NO

If you feel uneasy about most of the material in this course.

Precalculus I

If you feel uneasy about approximately half of the material in this course.

Precalculus II or Business Calculus

If you wish to satisfy the mathematics core and increase your computational skills, take one of the following courses.

Do you have prior programming experience?

No

MIS126 Programming I

Yes

MIS129 Alice

If the last course you took in high school was the following, begin here.

One year or half year of calculus.

If our mathematics placement exam recommends calculus.

Take calculus II only if you have completely mastered all of the material in your high school calculus course AND received calculus AP credit.

Calculus II

If our mathematics placement exam does NOT recommend calculus.

And, you have not completely mastered all of the material in your high school calculus course you should repeat it.

Mathematics for Natural Sciences

Do you feel you grasped most of the material in this course?

No

Calculus I

Yes

*The Mathematics for Natural Science course is designed as our preparation for Calculus.