

Mathematics BA

Mathematics is an excellent major for the student whose immediate objective is to acquire a strong liberal arts education.

The B.A. program is more flexible than the B.S. program. It allows one to specialize in mathematics and to follow a liberal arts program or to specialize in a second area, possibly with a minor or even a second major.

Career Prospects

Graduates may go on to work as an actuary with insurance companies; as a data analyst with pharmaceutical, biotechnology, or health care companies; as a quality assurance specialist with engineering companies; or in government agencies such as FDA, EPA, NSA, or USDA.

An undergraduate degree in mathematics also provides excellent preparation for graduate studies in many areas, including actuarial sciences, computer science, economics, engineering, law, mathematics, operations research, and statistics.

Requirements:

Mathematics Core (24 hours):

- Calculus sequence (12 hours)
- CSC 120 or 130 Programming Course (3 hours)
- STA 290 Introduction to Probability and Stats (3 hours)
- MAT 310 Elementary Linear Algebra (3 hours)
- MAT 490 Senior Seminar (3 hours)

Choose a Concentration:

- General Math Concentration (15 hours MAT courses) or
- Statistics Concentration (15 hours STA courses)