



Mount Saint Mary College

DIVISION OF MATH AND INFORMATION TECHNOLOGY

Mathematics

Bachelor of Arts in Mathematics

As a Mathematics major at the Mount, your classes will challenge and reward you. You will develop skills that every employer looks for: problem solving, critical thinking, self-motivation, effective communication, leadership potential, teamwork, and proficiency with technology.

Mathematics at the Mount

Working together

Mathematics majors form a close community of learners. The Mount has many students majoring in Mathematics, and this network of peers will become a valuable resource in your classes and beyond. Members of the faculty are easy to find and eager to answer your questions about your classes or the road ahead.

Recognizing excellence

Kappa Mu Epsilon (KME) is a national honor society whose members are recognized for their outstanding achievements in mathematics. Members are encouraged to volunteer inside and outside of the college community.

Beyond the classroom

The Mount's Math Club is created and organized by students majoring in, or interested in, Mathematics. Each semester, KME and the Math Club hold contests, competitions, luncheons, and dinners with Math faculty members, and enjoy trips to local conferences and events. KME and the Math Club have joined forces to create the Bishop Dunn Math Club, where Mount students volunteer at an on-campus middle school. Students hone teaching and mathematics skills while teaching non-traditional math lessons to 6th-8th grade Bishop Dunn Memorial School students.

Career Options

After graduation, you will be ready for a career in business, government, or industry. You can also combine this degree with teaching certification, or you may choose to continue your studies in graduate school, law school, or medical school.



“Independent research helped me to explore areas of mathematics that were of interest to me. Faculty members were active and helpful in encouraging me to meet my full potential.”

Christina Sayegh
LaGrangeville, New York



Mathematics

What you will study

Students majoring in Mathematics must take a minimum of 39 credits in the discipline.

Sampling of courses

- Analytic Geometry and Calculus I, II, III
- Fundamentals of Mathematical Reasoning
- Probability and Mathematical Statistics Credits
- Linear Algebra Credits
- Coordinating Seminar Credits
- Modern Abstract Algebra Credits
- History of Mathematics
- Combinatorics
- Numerical Analysis
- Differential Equations
- Number Theory
- Modern Geometry

Minor in mathematics

A minor in Mathematics requires 21 credits in mathematics courses.

Where our students go

Internships

Mount students intern and perform teaching fieldwork at Harriman State Park (Bear Mountain), Newburgh Free Academy, Mad Science, Boys and Girls Club of Newburgh, Greystone Programs, and Habitat for Humanity of Greater Newburgh.

Career Prospects

Students graduating from the Mount with degrees in Mathematics or Information Technology have found employment as financial analysts, actuaries, bank managers, statisticians, researchers, programmers, and teachers.

The projected growth change in employment for mathematicians with a master's degree is 23 percent. The average growth rate for all occupations is 11 percent. (Department of Labor Occupational Outlook Handbook; mathematicians).

Five-Year Program

Math majors interested in pursuing education can also choose to complete a 5-year Math and Education program for a BA in Math, an MS in Adolescence Education, and New York certification in Adolescence Education.



“Our students are able to communicate their knowledge and learn from each other. That helps them be more successful.”

Lee Fothergill
Division Chair and
Professor of Mathematics

Questions?

Contact the Division of Mathematics and Information Technology at **845-569-3272**.

Ready to apply?

Contact the Office of Admissions at **1-888-YES-MSMC** or **admissions@msmc.edu**