



Education & Mathematics Division

Mathematics

Mathematics may be viewed as a language, an art, a science, and a powerful tool for problem solving. It is an exciting field of study, offering many frontiers for intellectual exploration.

Programs of study in the Mathematics Department at Mount Mary College are designed to help students gain an understanding of mathematics and an appreciation for its power, beauty, and applications. Emphasis is placed on developing mathematicians who have the ability to reason logically and express themselves precisely. Equipped with strong analytical skills, Mount Mary's graduates are well prepared to solve problems effectively and efficiently.

The Mathematics Department promotes analytical and quantitative thinking through courses offered in its curricula and in support of other programs. The major programs are designed to prepare students for successful careers requiring a strong foundation in mathematics, mathematics teaching at the secondary level or for advanced study. A degree in mathematics from Mount Mary College fully prepares students for graduate study in mathematics and related fields.

Majors

- Mathematics
- Mathematics for Middle and High School (Early Adolescence/Adolescence Education)

Minors

- Mathematics
- Mathematics for Early Childhood and Elementary School
- Mathematics for Elementary and Middle School (Middle Childhood/Early Adolescence Education)

Personalized attention

Mount Mary does not use teaching assistants (TAs). All classes are taught by well-trained educators with years of professional experience. Mount Mary students enjoy small class sizes and one-on-one interaction with professors committed to student success.



2900 North Menomonee
River Parkway
Milwaukee, Wisconsin
53222-4597
www.mtmary.edu

Enrichment opportunities

Mount Mary offers two on-campus organizations for students with special interest in mathematics: **The Math and Computer Club (MACC)** and **Kappa Mu Epsilon**.

- **MACC** offers a forum for students to exchange ideas and participate in a variety of activities related to mathematics and computer science.
- **Kappa Mu Epsilon** is a mathematics honor society for undergraduate mathematics students. Its objectives are to help students further their interests in mathematics, to realize the important role mathematics has played in the development of civilization, and to develop an appreciation for the field of mathematics.

Faculty

- Roxanne Back, Assistant Professor & Chairperson
- Debra Dosemagen, Associate Professor
- Jane St. Peter, Instructor

Sample mathematic courses

- Quantitative Reasoning
- Mathematical Perspectives
- Calculus I, II, and III
- Modern Geometry
- Introduction of Probability and Statistics
- Number Theory

www.mtmary.edu 800-321-6265

Mathematics

Career options

Mount Mary prides itself on an excellent placement record. Students graduating with a degree in mathematics might pursue careers in one of the following areas:

- Accounting
- Actuarial science
- Architecture
- Banking
- Computer programming
- Cryptology
- Engineering
- Information science
- Mathematics teaching
- Operations research
- Research
- Robotics
- Science
- Statistics

Employment outlook

According to the Bureau of Labor Statistics, employment of mathematicians is expected to increase by 10 percent during the 2006–16 decade, or about as fast as the average for all occupations.

Advancements in technology usually lead to expanding applications of mathematics, and more workers with knowledge of mathematics will be required in the future. However, jobs in industry and government often require advanced knowledge of related scientific disciplines in addition to mathematics.

In addition to teaching, the most common fields in which mathematicians study and find work are computer science and software development, physics, engineering, and operations research. More mathematicians also are becoming involved in financial analysis.



More on the Web

Please visit www.mtmary.edu/dept_math.htm for more information about Mount Mary's mathematics programs, including information on:

- career opportunities
- courses of study
- teacher education programs

About Mount Mary College

Discover what the more than 1,900 current Mount Mary graduate and undergraduate students already know. Mount Mary offers an engaging and transformational education. Here students explore and expand their hopes and dreams. We invite you to be one of them.

Mount Mary's residential campus is home to a diverse student body. Be a part of our gorgeous suburban campus, just 20 minutes from downtown Milwaukee.

For over 90 years Mount Mary College has been educating women in the Catholic tradition – we are committed to your success. More than 90% of our students receive scholarships and other types of financial assistance. A Mount Mary education is affordable for you.

See how Mount Mary's strong academics, our small class sizes, our safe and vibrant campus and our student organizations and leadership opportunities will help you achieve your personal and career goals. Contact the Admission Office at 800-321-6265 or admiss@mtmary.edu.

