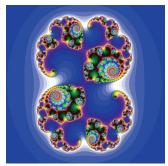**The mathematics programs at Mount Mary University are designed to help students gain an understanding of mathematics and an appreciation for its power, beauty and applications.** The curriculum emphasizes developing mathematicians who have the ability to reason logically and express themselves precisely. Equipped with strong analytical skills, Mount Mary's graduates are well prepared to solve problems effectively and efficiently.

Mathematics Programs of Study

MATHEMATICS MAJOR: A degree in mathematics can prepare you for a variety of careers requiring a strong foundation in mathematics.

TEACHER PREPARATION: Students who wish to become a middle or high school mathematics teacher take courses in both the mathematics and education departments. A minor in mathematics is available to students in all majors.

Student Engagement

Mathematics majors and minors will benefit from one-on-one time with dedicated faculty. Majors and minors will study topics such as quantity, change, pattern recognition, and probability using sound logic and spatial and statistical reasoning.

Mount Mary students majoring in mathematics participate in a variety of student organizations and engage in service learning projects.

Each year, the Altenhofen Scholarship and the Sr. Mary Petronia Van Straten Scholarship are awarded to mathematics majors and minors with financial need.

Employment Outlook

According to the U.S. Bureau of Labor Statistics, employment of mathematicians is expected to increase throughout the next decade. Advancements in technology usually lead to expanding applications of mathematics, and more workers with knowledge of mathematics will be required in the future.

CAREER OPPORTUNITIES

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
- Biostatistics
- Computer programming
- Cryptology
- Data Analytics
- Engineering
- Information science
- Mathematics education
- Operations research
- Graduate Studies
- Robotics
- Science
- Statistics

EXAMPLE FOUR-YEAR PLAN

MATHEMATICS | 120 CREDITS

MAJOR	CORE	MINOR	ELECTIVES

FRESHMAN YEAR

FALL Courses		SPRING Courses	
MAT 251 Calculus I	4	MAT 252 Calculus II	4
Oral Communications	2	SEA 101 Search for Meaning	4
SYM 110 Leadership for Social Justice	3	Literature	4
ENG 110 or 120 (depending on placement)	3	ENG 120 College Research Writing (if needed)	3
Elective	3		
TOTAL	15 credits	**TOTAL**	15 credits

SOPHOMORE YEAR

FALL Courses		SPRING Courses	
MAT 261 Calculus III or Math Elective	4	Math Elective	4
History	3	MAT 301 Fundamental Concepts of Higher Math	4
Philosophy	4	Behavioral Science	4
Core Science	4	Fine Arts/Literature option	3
TOTAL	15 credits	**TOTAL**	15 credits

JUNIOR YEAR

FALL Courses		SPRING Courses	
Math Elective	4	Math Elective	4
Humanistic option	3	Fine Arts	3
World Language	3	Global Designation	3
Minor	4	Minor	3
		Elective	3
TOTAL	14 credits	**TOTAL**	16 credits

SENIOR YEAR

FALL Courses		SPRING Courses	
Math Elective	4	Math Elective	4
Minor	4	MAT 333 Linear Algebra	2
Minor	4	Minor	3
Elective	3	Minor	2
		Elective	4
TOTAL	15 credits	**TOTAL**	15 credits

UPDATED OCT 2024

This example four-year plan is intended to outline the number and types of courses a student might take in order to fulfill the degree, major, core and elective requirements to graduate. Students meet with their academic advisor each semester to review progress toward fulfilling their degree requirements.

Mount Mary UNIVERSITY

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