MARQUETTE UNIVERSITY

HELEN WAY KLINGLER
COLLEGE OF ARTS AND SCIENCES

MATHEMATICAL AND STATISTICAL SCIENCES

KLINGLER
College of Arts & Sciences
MARQUETTE UNIVERSITY

UNIVERSAL TOOLS FOR UNIVERSAL GOOD.

Mathematics and statistics can reveal hidden patterns to help us understand the world around us. Medical researchers use it to predict the spread of disease and the long-term effects of immunization programs. Engineers use it to develop automated control systems for cars, planes or industrial machinery. Businesses use it for strategic planning. It's a diverse discipline, unique in its almost universal applicability — almost everything we do, from the simple to the highly complex, requires skill in mathematical sciences.

At Marquette, you'll learn from leaders who are not only excellent teachers, but also principal investigators conducting research with grants from agencies such as the National Science Foundation and the National Institutes of Health. They'll help you reach your fullest potential in class, through research, and by helping you discover how to use what you're learning to do good in the world.

MAJORS

COMPUTATIONAL MATHEMATICS

Computational mathematics is the blending of computer science with applied mathematics. It provides the computational and mathematical models that record and evaluate data and make predictions. Our curriculum provides a balance that would otherwise require a double major to achieve and teaches the skills necessary for careers in today's technical environment.

MATHEMATICS

The math major allows for exploration into the creative side of mathematics like statistics or pure mathematics, and progressive areas like dynamic systems, mathematical modeling and other applied topics. It's designed to provide technical skills for growth within the discipline and for success in a wide variety of careers.

MINORS

MATHEMATICS

INTERDISCIPLINARY MAJORS AND MINORS

DATA SCIENCE

APPLIED MATHEMATICAL ECONOMICS

ACCELERATED DEGREE PROGRAMS

Save time and money by beginning graduate-level courses during the final year of your undergraduate studies. You'll be able to apply for these programs in your junior year.

- **ADP-Applied Statistics Program**
- **STEM-MBA Program**

GET INVOLVED

You'll find plenty of ways to get engaged and stretch your skills in the Department of Mathematical and Statistical Sciences, including our chapter of the Honorary National Mathematics Society, Pi Mu Epsilon, and the annual Putnam Mathematical Competition.

RESEARCH

Participate in research with a faculty member and gain real experience in one of our labs.

Research areas include:

- Applied mathematical modeling
- Computational sciences
- Data science
- Mathematics education
- Medical imaging

INTERNSHIPS

Develop applied expertise with a full- or part-time internship through our department at organizations in Milwaukee and nationwide.

CAREERS

You'll be well prepared to continue to graduate or professional school, though many of our graduates enter the workforce immediately. In fact, many employers look for mathematics majors, since they're known for their step-by-step problem-solving skills and their critical thinking and strong analytical skills. Fields our graduates work in include:

- Consulting
- Data or Research analysis
- Education
- Engineering
- Insurance (as actuaries)
- International banking
- Logistics
- Medical research
- Software development
- Statistics

MATHEMATICAL AND STATISTICAL SCIENCES

For more information, visit our department site
at marquette.edu/mathematical-and-statistical-sciences

CONTACT US

Helen Way Klingler
College of Arts and Sciences
Sensenbrenner Hall, 103
1103 W. Wisconsin Ave.
Milwaukee, WI 53233

marquette.edu/arts-sciences

@muartssciences

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