The Department of Mathematics is one of the largest and oldest academic departments at Western Michigan University. Programs are built on nearly 50 years of training graduate students in the mathematical sciences, with courses taught by outstanding faculty in the setting of a vibrant department within a research university.

The Master of Science in Applied and Computational Mathematics (M.S.) is a coursework-only degree program. Students completing this degree will have obtained a broad background in the mathematical sciences, including statistics, differential equations, mathematical programming and computational mathematics. The use of mathematical models to study practical problems is emphasized throughout.

This program prepares students for professional employment in industry or government, or for entry into a doctoral program in an applied area of mathematics. The program also offers interested students the opportunity to gain experience teaching mathematics in a mentored setting, which can serve as preparation for a career in mathematics teaching.

Students also take coursework with research-active faculty in the Department of Statistics.

Industry Highlights
Graduates of mathematics graduate programs hold positions in a variety of public, private and non-profit organizations, such as:

- Aerospace
- Insurance
- Intelligence
- Medical equipment
- University and community college professor

Points of Pride
- With about 60 graduate students and 28 members of the graduate faculty, the department offers its graduate students ready access to high-quality faculty with ample opportunity for peer interaction.
- Faculty maintain a strong reputation for scholarship through an impressive level of research and grant activity.
- The department is internationally recognized for its scholarly excellence.

Teaching, Research and Program Focus Areas
Mathematics faculty include nationally recognized experts in several areas of applied and computational mathematics, including numerical analysis, variational analysis and control theory.

Other areas of faculty research include algebra, analysis, topology, graph theory and combinatorics. Students can tailor their course of study according to their research interests in a variety of directions. Programs prepare students for leadership positions in research, higher education, the sciences or industry.
Funding
Graduate assistantships and associateships are available on a competitive basis. Most graduate students are supported in this way, although students may be accepted into the M.S. program without departmental support. Assistantships and associateships are renewable based on academic and teaching performance. The funding consideration deadline is Feb 15, 2018.

Admission
Domestic
Applications are accepted for the fall semester with a deadline of Feb. 15, 2018. Additional seats may be available in the spring and summer semesters.

International
Fall 2018: Feb. 15, 2018

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Western Michigan University est. 1903
Offering over 100 world class advanced degree programs and holding Carnegie Foundation classification as a higher research doctoral university, the institution has consistently appeared in the U.S. News & World Report as one of America’s best national universities. Graduate students make up 21 percent of the total student body and have been awarded nearly $52 million in financial assistance. WMU enjoys a rich 60+ year history of graduate education.

Kalamazoo, Michigan
The community offers a vibrant cultural atmosphere mixed with a variety of outdoor recreational activities. The city of Kalamazoo is located midway between Detroit and Chicago and is in close proximity to the shoreline of Lake Michigan.