Personal Service

We pride ourselves on being just the right size to give students the time they need to be successful. Our average class size is 15, so you will have small, personalized class settings with a technological focus for you to receive the education that you deserve. Your professors will introduce you to new ways of thinking, explore issues creatively, and evaluate ideas as you engage in the world.

Opportunity

Whether it’s music, athletics, or politics, students at MSU have the chance to participate in a variety of activities and clubs. These organizations are a great way to make new friends with similar interests, and the involvement outside the classroom looks great on a resume.

Some clubs and activities include:
- Theater
- Band & choir
- Computer Technology Club
- Science Club
- Comet Radio
- Student government
- Intramural sports

Success

Our students get jobs. Period. Job placement rates are consistently 96-98%! We also have internship opportunities to give you real, hands-on learning experiences and make your resume stand out.

Value

The combination of MSU’s affordability and its unique offerings make it a Best in the Midwest College, as designated by the Princeton Review. MSU was also named one of the 2013 top three Public Regional Colleges in the Midwest by U.S. News & World Report.

The Program

Impact your future through the many facets of mathematics and build a solid foundation in the mathematics/mathematics education programs at Mayville State University. These programs emphasize cognitive development through problem-based learning of mathematical topics. These ideals, taught in small class settings, will prepare you for a career in business, industry, or education.

MSU’s mathematics/mathematics education programs provide you with the knowledge, skills, and techniques that are essential to using mathematics in teaching and non-teaching positions. You’ll develop an awareness of the vital connections between mathematical topics and their real world applications.

Advantages

Hands-on training. Computer courses and cooperative education/internship programs provide plenty of hands-on training for students.

Student-to-faculty ratio. Small class sizes will allow you ample time to meet with instructors where you’ll be able to ask questions and get the attention you need while strengthening the foundation of your education in mathematics.

Employment options. Numerous career opportunities are available. Graduates from MSU’s mathematics/mathematics education programs will be prepared for career opportunities as accountants, actuaries, bankers, college administrators, economists, tax managers, computer technicians, statisticians, demographers, and lawyers. Students would also be prepared to attend graduate school for further education in the field of mathematics.
A Word About Our Grads

Mayville State mathematics graduates are prepared for a bright future in many teaching and non-teaching positions in business and industry. They can be found teaching in high schools and universities throughout the entire country, and others are enjoying careers as family medicine doctors or are attending law school at the University of North Dakota. Mayville State alumni of mathematics programs also include employees of Blue Cross Blue Shield of ND, a medical claims representative at Progressive Insurance, and a financial analyst with Wells Fargo Bank.

Mathematics

Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 105</td>
<td>Trigonometry</td>
<td>2</td>
</tr>
<tr>
<td>MATH 165</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 166</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 265</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 323</td>
<td>Probability &amp; Statistics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 389</td>
<td>Modern Geometry</td>
<td>3</td>
</tr>
<tr>
<td>MATH 412</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 420</td>
<td>History/Philosophy of Math</td>
<td>3</td>
</tr>
<tr>
<td>MATH 435</td>
<td>Theory of Numbers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 443</td>
<td>Algebraic Struc.w/Prog. Maj.</td>
<td>3</td>
</tr>
<tr>
<td>MATH 476 S</td>
<td>Comprehensive Review/Exam</td>
<td>1</td>
</tr>
</tbody>
</table>

General Education Courses

Mathematics Education

Mathematics education majors must complete 36 hours of general education requirements, including:

- COMM 110 - Fundamentals of Public Speaking
- ENGL 110 - Composition I
- ENGL 120 - Composition II
- GEOG 103 - Multicultural World, Global Issues
- MATH 103 - College Algebra
- PSYC 111 - Introduction to Psychology

*All pre-requisites to the major

This major provides students with the knowledge, skills, and techniques needed for teaching mathematics courses in the junior and senior high schools. It consists of 33 semester hours in mathematics, including completion of the final comprehensive examination (MATH 476S).

Students planning to teach in grades 7-12 must complete a major, 36 hours of general education courses, the mathematics core requirements listed below, and the professional courses required for teacher certification. (See Education section of the Mayville State academic catalog).

Teacher certification also requires completion of EDUC 483 - Secondary Methods for Mathematics. (See Secondary Education for complete listing of required courses.)

Mathematics - B.S.

This major provides students with the knowledge, skills, and techniques needed for using mathematics in non-teaching positions in business or industry. This major consists of 33 semester hours in mathematics, including completion of the final comprehensive examination (MATH 476S). The Mayville State Bachelor of science degree requires completion of at least one minor program in a supporting area in conjunction with the major.

Pre-requisite course needed is MATH 103.