

# Mayville State University

## Mathematics

### *Bachelor of Science Online*



Have you always done well in high school and introductory college math courses? Have you dreamed of attaining your career goals with a major in mathematics but been unable to leave your work and/or family commitments to attend traditional day classes to get the required education? Then this completely online mathematics program is for you.

### 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 20, 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.

### Flexible

Through the **completely online course rotation**, you can balance work, family and coursework demands as you complete this degree. You may begin coursework in fall, spring, or summer semesters. Students may enroll part-time or full-time. Please note that mathematic courses follow a specific rotation. Not all required courses are offered every semester.

### Success

The business administration minor allows you to explore mathematical applications in the business world. We also have internship opportunities to give you real, hands-on learning experiences and make your resumé stand out. General science, accounting, library media & information science, and special needs minors are also available completely online.

### Value

Mayville State University's online Bachelor of Science in Mathematics degree program has been ranked among the best online math programs by TheBestSchools.org (2016) and AffordableColleges.com (2018). Selection was based on weighted factors, including academic excellence, course offerings, faculty strengths, and reputation. According to AffordableColleges.com, the program is ranked #3 in the U.S. In a review of schools across the nation, MSU's program stood out in both quality and affordability.

We pride ourselves on being transfer-friendly, affordable, and offering a unique opportunity for part-time learners.

### The Program

MSU's mathematics program provides you with the knowledge, skills, and techniques that are essential for applying mathematics in non-teaching positions. You'll develop an awareness of the vital connections between mathematical topics and their real world applications. The online mathematics program, with a minor in business administration, general science, library media & information science, accounting, or special needs, is a transfer student-oriented program, but freshman students may apply.



### Advantages

**Affordable.** MSU is a fully accredited, public university. Online tuition and fees for this unique online degree opportunity are highly competitive and affordable at \$295 per semester hour.

**Transfer-Friendly.** Coursework previously earned from accredited institutions will be accepted. Small class sizes will allow you access to your instructors. You'll be able to get the attention you need while strengthening the foundation of your education in mathematics.

**Employment Options.** Graduates from MSU's mathematics education program will be prepared for career opportunities as accountants, actuaries, bankers, college administrators, economists, tax managers, computer technicians, statisticians, demographers, system analysts, or chief financial officers. Students will also be prepared to attend graduate school for further education in the field of mathematics. If you are interested in teaching mathematics, you will want to pursue a major in mathematics with bachelor of science in education online.

## Mathematics

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 29 semester hours in mathematics, including completion of the final comprehensive review and examination (MATH 480). Students without a previously earned bachelor's degree but with an associate's degree must complete a minor. Students with an earned bachelor's degree are not required to complete a minor. Pre-requisite courses, MATH 165 (Calculus I), COMM 110, ENGL 110, ENGL 120 or ENGL 125 are required, as well.

## Major: Mathematics - B.S.

**Required credits to graduate with this degree: 120**

### Core Requirements:

MATH 105	Trigonometry.....	2 SH
MATH 166	Calculus II .....	4 SH
MATH 265	Calculus III .....	4 SH
MATH 323	Probability and Statistics.....	3 SH
MATH 389	Modern Geometry.....	3 SH
MATH 412	Differential Equations.....	3 SH
MATH 420	History and Philosophy of Math.....	3 SH
MATH 435	Theory of Numbers .....	3 SH
MATH 443	Algebraic Structures with Programming for Majors.....	3 SH
MATH 480	Comprehensive Exam .....	1 SH

**Total 29 SH**

## Business Administration Minor

### Core Requirements (22 S.H.)

ACCT 200	Elem of Accounting I.....	3 SH
ACCT 201	Elem of Accounting II.....	3 SH
BUSN 305	Foundations of Entrepreneurship.....	3 SH
BUSN 325	Management Theory & Research.....	3 SH
BUSN 334	Business Communication.....	3 SH
BUSN 352	Marketing Theory & Research.....	3 SH
BUSN 391	Professional Development.....	1 SH
BUSN 454	Human Resource Management.....	3 SH

## General Science Minor

### Select from (20 S.H.):

BIOL 150/L	General Biology I/Lab.....	4 SH
BIOL 151/L	General Biology II/Lab.....	4 SH
BIOL 220/L	Anatomy & Physiology I/Lab.....	4 SH
BIOL 221/L	Anatomy & Physiology II/Lab.....	4 SH
GEOL 115/L	Introductory Geology/Lab.....	4 SH
PHYS 251/L	University Physics I/Lab.....	5 SH
PHYS 252/L	University Physics II/Lab.....	5 SH

## Special Needs Minor

EDUC 390	Special Needs in Inclusive Environment..	3 SH
SPED/EC 338	Home, School, Comm Relations.....	3 SH
SPED 389	Foundations of Special Education.....	3 SH
SPED 497	Special Needs Internship.....	2 SH

**Total Core: 11 SH**

### Electives: (minimum 9 semester hours)

Please see the 2018-2020 Mayville State Academic Catalog for a list of classes to select from to achieve the minimum of 9 semester hours.

**Total: 20 SH**

Other minors available online include: Accounting and Library Media & Information Science. Please speak with an online advisor to learn more.



## Contact Information

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