

Mayville State University

Mathematics Education Online
Bachelor of Science in Education Online



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 Education (BS Ed) Mathematics Education 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 education program provides you with the knowledge, skills, and techniques that are essential for teaching mathematics in grades 5-12. You'll develop an awareness of the vital connections between mathematical topics and their real world applications. The online mathematics education program, with a minor in business administration, accounting, special needs, library media & information science, or general science is a transfer student-oriented program.

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, and you'll be able to get the attention you need while strengthening the foundation of your education in mathematics.

Employment Options. Numerous teaching and nonteaching career opportunities are available. In addition to teaching careers, 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.



Mathematics - B.S.Ed

Required credits to graduate with this degree: 125

Students planning to teach (in grades 7-12) must complete a major, 36 hours of essential studies courses, the mathematics core requirements listed below, and the secondary professional courses required for teacher certification. All math education majors must complete a minor program except students with a previously earned Bachelor's degree. Teacher certification also requires completion of EDUC 398-Secondary Education Field Experience, EDUC 483-Secondary Methods for Mathematics, and EDUC 426-Reading in the Content Area. Pre-requisite courses, MATH 165 (Calculus I), COMM 110, ENGL 110, ENGL 120 or ENGL 125, and PSYC 111 are required, as well.

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	Mathematics Comprehensive	1 SH

Total 29 SH

Secondary Professional Education

Core:

EDUC 250	Introduction to Education.....	3 SH
EDUC 272	Educational Technology.....	2 SH
EDUC 290	Theories of Learning & Mgmt.....	2 SH
EDUC 380	Teaching English Lang. Learners.....	2 SH
EDUC 381	Human Relations & Cult. Diversity.....	3 SH
EDUC 390	Special Needs in Inclusive Environ....	3 SH
EDUC 398	Secondary Educ. Field Experience....	1 SH
EDUC 400	Student Teaching.....	10 SH
EDUC 401	Elec. Port., Assessment/Seminar.....	2 SH
EDUC 422	Educational Assessment.....	2 SH
EDUC 426	Reading in the Content Area.....	2 SH
EDUC 480	General Methods for Sec. Educ.....	4 SH
EDUC 480L	General Methods Field Experience....	1 SH
EDUC 483*	Secondary Methods for Math.....	2 SH
EDUC 401S	Pre-Student Teach Seminar.....	0 SH
PSYC 255	Child and Adolescent Psychology.....	3 SH
GEOG 103	Multicultural World, Global Issues.....	3 SH

Total 43 SH

*For each methods course, EDUC 398 is taken concurrently

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 220/L	Anatomy & Physiology I/Lab.....	4 SH
BIOL 221/L	Anatomy & Physiology II/Lab.....	4 SH
GEOG 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.

North Dakota is part of the National Association of Directors of Teacher Education and Certification (NASDTEC) Interstate agreement. Although most states accept our teacher education program graduates for licensure, Mayville State University cannot confirm nor advise that education programs meet requirements for every state. Students seeking licensure in states other than North Dakota should contact the appropriate licensing board in the state in which they are pursuing licensure. The Office of Extended Learning and Teacher Education Department can work with out of state students on an individual basis to determine licensing requirements.

Contact Information

Alyson Beckman
Online Enrollment Coordinator
Mayville Sate University
701.788.4632
alyson.beckman@mayvillestate.edu