Mathematics 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 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.

Flexible
Through the completely online course rotation, you can balance work, family and coursework demands as you complete this degree.

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. A general science minor and special needs minor are also available online.

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. This selection process is based on meeting criteria for academic excellence as well as results of surveys done by current MSU students.

The Program
MSU’s mathematics education program provides you with the knowledge, skills, and techniques that are essential to using mathematics in teaching positions. You’ll develop an awareness of the vital connections between mathematical topics and their real world applications. The online mathematics education program, with a business administration or general science minor, is a transfer student-oriented program with courses offered in a cohort-based rotation.

Please note that this is an eight-semester, or approximately three-year, cohort program, including two summer sessions. If a student drops, fails, or does not register for a course in the three year-rotation, it is the student’s responsibility to find an appropriate course substitution or wait until the course is offered again.

Advantages
Affordable. MSU is a fully accredited, public university. Online tuition and fees for this unique online degree opportunity are highly competitive and affordable.

Transfer-Friendly. Most 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 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 non-teaching positions in business and industry. They are enjoying careers as family medicine doctors, lawyers and other professional positions. 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 - 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 including MATH 165, COMM 110, ENGL 110, ENGL 120 or ENGL 125, GEOG 103, and PSYC 111, which are pre-requisite courses to this major, the mathematics core requirements listed below, and the secondary professional courses required for teacher certification. 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. Completion of at least a minor program in a supporting area, in conjunction with this major, is 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 Programmingfor Majors........ 3 SH
- MATH 480  Comprehensive Exam ...................1 SH

Total: 29 SH

Contact Information

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Business Administration Minor

Core Requirements (18 S.H.)

- ACCT 200  Elem of Accounting I..................3 SH
- ACCT 201  Elem of Accounting II...............3 SH
- ACCT 360  Accounting Systems..................2 SH
- BADM 301  Principles of Marketing.............3 SH
- BADM 302  Principles of Management...........3 SH
- BOTE 347  Computer App in Business............3 SH
- BUSN 491  Professional Development............1 SH

Total 29 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
- GEOG 115/L  Introductory Geology/Lab..........4 SH
- PHYS 251  University Physics I....................4 SH
- PHYS 252  University Physics II...................4 SH

Total Core: 11 SH

Electives: (select 9 hours from the following)

- EC 211  Observe, Assess, & Interpret Tech.......3 SH
- EC 341  Learning Envirn. Infants and Toddlers 3 SH
- EC 412  Diversity/Professionalism in ECE........3 SH
- EDUC 203  Sign Language...........................4 SH
- HPER 333  Physical Educ. for the Exceptional Child 3 SH
- PSYC 360  Intro to Personality Theory............3 SH
- PSYC 370  Psych of Abnormal Behavior............3 SH
- SOC 130  Intro to Human Services.................3 SH
- SPED 330  Behavior Modification & Management....3 SH
- SPED 336  Social & Emotional Guide in ECE......3 SH
- SPED 337  Special Needs in ECE.................3 SH
- SPED 343  Classroom Modifications...............3 SH
- SPED 344  Augmented and Alternative Comm......3 SH
- SPED 350  Remedial Reading.......................3 SH
- SPED 351  Remedial Reading Practicum............1 SH
- EDUC 382  Intellectual Disabilities.............3 SH
- EDUC 383  Intellectual Disabilities Practicum...1 SH
- EDUC 384  Emotional Disturbance...............3 SH
- EDUC 385  Emotional Disturbance Practicum.....1 SH
- EDUC 386  Learning Disabilities .................3 SH
- EDUC 387  Learning Disabilities Practicum......1 SH
- EDUC 388  Autism Spectrum Disorder............3 SH
- EDUC 395  Transition.................................2 SH
- EDUC 396  Special Education Law..................3 SH
- EDUC 397  Assess of Students with Special Needs..3 SH
- EDUC 497  Special Needs Internship..............1-4 SH

Total: 20 SH

Special Needs Minor

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

Total Core: 11 SH