

MATH EDUCATION

Field endorsement to teach grades 6-12

Math is not only a fundamental study for students of all ages, but it is also important for mental development. Become a math teacher, and you will find a rewarding career as you guide students through education and connect math concepts to other subjects. Chemistry, biology, physics, computer classes, and even music are better understood with a solid math education. Get a Math Education degree from Wayne State, and you'll be ready to take on an important role in a school or other educational setting.

If you choose the Math field endorsement, you are not required to choose any other endorsements to receive your B.A. or B.S.

fast facts

Credit hours: 75

Students must also take 30 credit hours of General Studies courses. A total of 120 credit hours are needed to graduate from WSC. Additional majors or minors can be added to help meet graduation requirements.

Degree options: B.A. or B.S.

Departments: Physical Sciences and Mathematics; Educational Foundations and Leadership

Schools: Science, Health, and Criminal Justice; Education and Behavioral Sciences

Popular pairings: Coaching, ESL Education, Special Education Generalist

focus on results

Skills Learned

- Methods to solve problems in math and science
- Proficiency in solving complex math problems
- Probability and statistics
- Computer programming fundamentals
- Teaching and instruction methods
- Curriculum development for grades 6-12
- Classroom management and leadership

Possible Careers

- Middle school math teacher
- High school math teacher
- College math teacher
- STEM specialist
- Math tutor
- Math content writer

Types of Employers

- Middle schools
- High schools
- Colleges and universities
- Education and learning centers
- Non-profit organizations
- Community organizations
- Government / federal agencies

outside the classroom

Activities / Opportunities

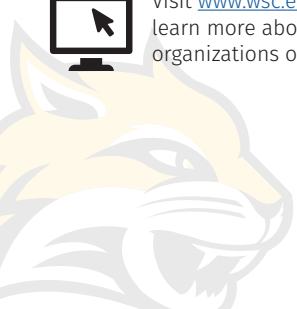
- Peer mentoring and tutoring
- Service-Learning
- Study Abroad
- Northeast Nebraska Teacher Academy (NENTA)

Clubs / Organizations

- Kappa Mu Epsilon (Math Club)
- Nebraska State Education Association (NSEA) Aspiring Educators
- Student Council for Exceptional Children



Visit www.wsc.edu/clubs to learn more about clubs and organizations on campus.



Courses and outcomes

2025-26 Academic Year

The following courses are required for the program of study described on this sheet. Every effort is made to ensure this information is current, but please be aware that some content may have changed. To develop a plan for registering and taking these courses, please consult the current academic catalog and your advisor.

Program courses

For CAT 3, take MAT 140 Calculus I.

Math Core Courses

MAT 240 Calculus II.....	5
MAT 270 Transitions to Advanced Mathematics.....	3
MAT 305 Discrete Mathematics.....	3
MAT 340 Calculus III.....	5
MAT 350 Linear Algebra.....	3
MAT 400 Real Analysis.....	4
MAT 410 Probability and Statistics.....	4
MAT 470 Connections.....	2
MAT 481 Mathematics Assessment.....	0

Math Content Courses

MAT 320 College Geometry.....	3
MAT 425 Abstract Algebra.....	4
MAT 471 Connections in Mathematics Education.....	2
MAT 482 Mathematics Education Assessment.....	0
MAT electives numbered 250 or above.....	4

Professional Education Courses

EDU 150 Introduction to Professional Education.....	3
EDU 245 Preparing for Level 2: Teacher Candidacy.....	0
EDU 250 Human Development and Cognition.....	3
EDU 275 PK-12 Instructional Design.....	3
EDU 310 Reading, Writing, and Assessment in Content Areas.....	2
EDU 409 Content Area Methods and Assessment.....	3
EDU 414 Content Area Practicum Experience.....	1
EDU 445 Preparing for Level 3: Clinical Practice.....	0
EDU 456 Clinical Practice and Seminar for the Secondary School.....	12
SPD 302 Inclusion and Co-teaching in General Education.....	3
SPD 436 Classroom Management through Social Emotional Learning 7-12.....	3

Student learning outcomes

Math programs

1. Demonstrate professional communication skills in Family and Consumer Sciences settings.
2. Apply knowledge from their program of study to current and future issues in Family and Consumer Sciences.
3. Utilize critical thinking for problem solving in Family and Consumer Sciences settings.

Education programs

Teacher candidates who successfully complete an education preparation program at Wayne State will be able to:

1. Create environments that support individual and collaborative learning using knowledge of how students grow and develop, along with individual differences and diverse cultures. (InTASC Standards 1-3)
2. Plan for instruction by applying content knowledge, a variety of instructional strategies, and multiple methods of assessment to connect concepts for learners in real-world applications. (InTASC Standards 4-8)
3. Engage in ongoing professional learning and use evidence to reflect on and adapt practice to meet the needs of each learner. (InTASC Standard 9)
4. Seek leadership roles and opportunities to take responsibility for student learning, to collaborate with stakeholders, and to advance the profession. (InTASC Standard 10)

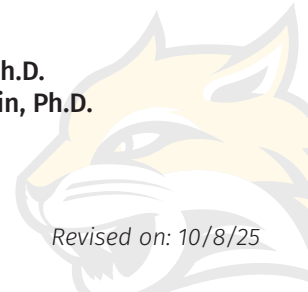
mathematics faculty



Visit www.wsc.edu/physical-sciences-mathematics-department to learn more about the Department Physical Sciences and Mathematics.

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