

# MATHEMATICS EDUCATION (MTHED)

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## **MTHED 189 Mathematics Education Elective 9.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## **MTHED 250 Essentials of Mathematics for Elementary Teachers 3.00**

This course for pre-service elementary school teachers includes mathematical content and concept required to teach elementary school. It includes mathematics topics essential for teaching mathematics at elementary school. This course includes both content and methods for teaching mathematics grades K-9. Prerequisite recommended is a University Studies math course. A minimum grade of C in this course is required for all education majors.

### **Prerequisites:**

Completion of University Studies Mathematics Course(s)

## **MTHED 289 Mathematics Education Elective 9.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## **MTHED 305 Tutoring Practicum 1.00-3.00**

Tutoring practicum designed for secondary mathematics teaching majors and minors to develop competencies in mathematics content tutoring skills and interpersonal relations needed in peer tutoring with college students. Permission of Educational Success Center Supervisor required. Limited enrollment.

### **Prerequisites:**

Completion of MATH 240 with a grade of C- or better.

## **MTHED 322 Teaching Elementary/Middle School Mathematics 3.00**

A learner-center approach methods course focusing on the theories, models, and strategies for effectively understanding and teaching mathematics concepts and skills in the five content areas to elementary/middle school children grades K-9. National and state standards guide the conceptual framework for this course. Topics include Numbers and Operations; Measurement; Geometry; Data Analysis and Probability; and Algebra. Peer-to-Peer teaching required. A minimum grade of C in this course is required for all education majors.

### **Prerequisites:**

Completion of MATH 230 or MTHED 250 (C or Better), and T ED Admission

## **MTHED 323 Teaching Elementary/Middle School Mathematics II 3.00**

A learner-center approach methods course focusing on the theories, models, and strategies for effectively understanding and teaching mathematics concepts and skills in the five content areas to elementary/middle school children Grades K-9. Topics include Technology Integration; History of Mathematics; Fractions and Decimals; Integers; Geometry and Algebraic Thinking. National and state standards guide the conceptual framework for this course. This course includes a required pre-student teaching clinical in grades 3-5. A minimum grade of C in this course is required for all education majors.

### **Prerequisites:**

Completion of MTHED 322 (C or Better), Completion of T ED 300 (C or Better), and Admission to the Teacher Education Program. Teacher Education Non-Academic Test (TB and Criminal Background Check).

## **MTHED 339 Secondary Methods in Mathematics Education 3.00**

General principles and problems of teaching mathematics in the secondary schools. Emphasis on organizing teaching activities; teaching materials and resources; and current methodology. This course is offered on-campus only. This course includes a pre-student teaching clinical in grades 9-12. A minimum grade of C in this course is required for all education majors. Typically Offered: Spring Terms Only - On Campus/ Hybrid

### **Prerequisites:**

Admission to the Teacher Education Program and Completion of T ED 300 (C or Better). Teacher Education Non-Academic Test (TB and Criminal Background Check)

## **MTHED 389 Mathematics Education Elective 9.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.

## **MTHED 489 Mathematics Education Elective 0.00**

Transfer credits ONLY from another accredited institution not equivalent to a UW-Superior course.