

# MATHEMATICS EDUCATION (MTHE)

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See Course Description Symbols and Terms (<https://catalog.csuchico.edu/academic-standards-policies/course-description-symbols-terms/>) for an explanation of course description terminology and symbols, the course numbering system, and course credit units.

**MTHE 690 Thesis/Project Writing Seminar** **1-3 Units**  
**Prerequisite:** MTHE 680.  
**Typically Offered:** Fall and spring  
 Formulation and pursuit, with supervision, of advanced projects and theses. The emphasis is on planning, reading, discussing, and evaluating student's manuscript-in-progress. This is a required course in the MA and MS programs in mathematics education. 3 hours seminar. (005931)  
**Grade Basis:** Report in Progress: ABC/NC  
**Repeatability:** You may take this course for a maximum of 3 units  
**Course Attributes:** Graduate Division

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**MTHE 601 Research in Mathematics Education** **3 Units**

**Prerequisite:** Admission to a master's degree program in mathematics education or permission of instructor.

**Typically Offered:** Summer session only

This course will examine research in mathematics education that includes areas of teaching, learning, curriculum, and socio-cultural context. Selected research will be critically reviewed for research design and claims. In a culminating project, students will conduct a review on a specific topic in math education research literature. This is a required course in the MA and MS programs in mathematics education. 3 hours seminar. (005929)

**Grade Basis:** Graduate Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Graduate Division

**MTHE 602 Equitable Access to Mathematics in the Secondary Classroom** **3 Units**

**Prerequisite:** MTHE 601, Admission to Master's degree program in Math Education.

**Typically Offered:** Fall only odd years

This course is an examination of literature, theories, and pedagogical practices pertaining to equity in secondary mathematics classrooms and similar settings. Students engage in discussion and analysis of selected readings on equity in Mathematics Education, and students learn about, practice, and reflect on pedagogical techniques to promote equitable access to mathematics. Major assessments occur in portfolio format. 1 hour discussion, 2 hours lecture. (022026)

**Grade Basis:** Graduate Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Graduate Division

**MTHE 680 Research Methods in Mathematics Education.** **3 Units**

**Prerequisite:** Admission to master's degree program in Mathematics Education, faculty permission.

**Typically Offered:** Inquire at department

The course focuses on quantitative and qualitative methods to conduct research in mathematics education that informs and strengthens their classroom practice. Successful completion of the course requires students to develop a research proposal. 3 hours supervision. (005930)

**Grade Basis:** Graduate Graded

**Repeatability:** You may take this course for a maximum of 3 units

**Course Attributes:** Graduate Division