

## Secondary Education and Mathematics Major

This major encompasses the coursework requirements for Illinois teacher licensure in (5-8 and 9-12) mathematics. Students must apply and be formally admitted to the Teacher Education Program to enter upper-level coursework. All courses must be completed with a grade of C- (1.7) or higher. Students must maintain a mathematics major GPA of 2.50 or higher and cumulative GPAs of 2.750 or higher to remain in the program and fulfill licensure requirements. Students also must pass the State mandated content area tests prior to student teaching: Test #202 Middle Grades (5-8) math and/or Test #208 Mathematics (9-12). The middle grades mathematics and 9-12 content test are required for licensure.

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At least half of the SSE major courses, excluding SEC 100, 300, 450, and 457, must be completed at Elmhurst University. Students also must complete three full terms at Elmhurst prior to student teaching.

AP credit may be accepted for any prerequisite course according to Elmhurst University guidelines. AP credit must appear on the college transcript to be accepted.

#### The following courses are required for the major:

- EDU 104 Cultural Foundation of Education in the United States
- EDU/SEC 223 Education of PK-12 Learners with Exceptionalities
- EDU/SEC 311 Educational Psychology
- SEC 100 Introductory Seminar to Teaching as a Caring Profession (.25)
- SEC 300 Intermediate Seminar for Teaching in Diverse and Inclusive Schools (.25)
- SEC 310 Methods and Best Practices in Middle and Secondary Education
- TEL 317 Methods and Materials for Teaching English Language Learners (.75)
- SEC 360 The Middle School: History, Philosophy, Organizational Structures and Best Practices
- SEC 421 Theory and Practice for Building Academic Literacies in K-12
- MTH 440/441 The Teaching of Middle School and Secondary School Mathematics
- SEC 450 Advanced Seminar in Teacher Collaboration and Professional Practice (.25)
- SEC 455 Student Teaching in Secondary and Middle Schools (3.00); requires formal admission to student teaching

#### The following courses are required for licensure:

- MTH 251 Calculus III
- MTH 301 Discrete Mathematics
- MTH 326 Mathematical Concepts for Elementary Teachers II (.50)
- MTH 331 Foundations of Geometry
- MTH 346 Statistics for Scientists
- MTH 361 Abstract Algebra
- MTH 362 Linear Algebra
- MTH 381 Advanced Calculus
- MTH 400 Research Methods in Mathematics (.50)

- MTH 451 Senior Paper (.50)