For the Teacher Education Minor in Mathematics, Grades 9-12

For students in teacher education curricula other than mathematics who wish to be qualified to teach mathematics at the high school level.

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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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| To obtain an endorsement to teach mathematics in grades 9-12, students must also pass the Illinois Certification Testing System Test in Mathematics. Information and practice exams are available at www.icts.nesinc.com (http://www.icts.nesinc.com).

MATH 220 Calculus
MATH 231 Calculus II (or equivalent)
MATH 241 Calculus III
Methods courses in the teaching of mathematics
CI 434 Teaching Secondary Mathematics
A course covering topics in non-Euclidean geometry
MATH 402 Non Euclidean Geometry
or MATH Euclidean Geometry
At least 7 hours of work from at least two of the following areas:

**Computer Science (one course only)**
CS 101 Intro Computing: Engrg & Sci
CS 105 Intro Computing: Non-Tech

**Linear Algebra**
MATH 125 Elementary Linear Algebra
MATH 225 Introductory Matrix Theory
MATH 415 Applied Linear Algebra
MATH 416 Abstract Linear Algebra

**Modern Algebra**
MATH 413 Intro to Combinatorics
MATH 417 Intro to Abstract Algebra
MATH 453 Elementary Theory of Numbers

**Applied Mathematics**
MATH 347 Fundamental Mathematics
or MATH 463 Fundamental Mathematics-ACP
MATH 285 Intro Differential Equations
MATH 441 Differential Equations
MATH 444 Elementary Real Analysis
MATH 446 Applied Complex Variables

**Probability-Statistics**

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| STAT 400/ Statistics and Probability I
MATH 463

**History of Calculus**

MATH 406 History of Calculus

Information listed in this catalog is current as of 02/2021