

TEACHER EDUCATION MINOR IN MATHEMATICS, GRADES 9-12

department website: <https://www.math.illinois.edu/>
department faculty: Mathematics Faculty (<https://math.illinois.edu/directory/faculty/>)
overview of college admissions & requirements: Liberal Arts & Sciences (<http://catalog.illinois.edu/schools/las/academic-units/>)
college website: <https://las.illinois.edu/>
email: mathadvising@illinois.edu

for the Undergraduate 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.

Code	Title	Hours
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	5
MATH 231	Calculus II (or equivalent)	3
MATH 241	Calculus III	4
Methods courses in the teaching of mathematics		3
CI 434	Teaching Secondary Mathematics	
A course covering topics in non-Euclidean geometry		3
MATH 402	Non Euclidean Geometry or MATH 40: Euclidean Geometry	
At least 7 hours of work from at least two of the following areas:		7
Computer Science (one course only)		
CS 101	Intro Computing: Engrg & Sci	
CS 105	Intro Computing: Non-Tech	
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	Number Theory	
Applied Mathematics		
MATH 347	Fundamental Mathematics or MATH 34: Fundamental Mathematics-ACP	
MATH 285	Intro Differential Equations	
MATH 441	Differential Equations	
MATH 444	Elementary Real Analysis	
MATH 446	Applied Complex Variables	
Probability-Statistics		
STAT 400/ MATH 463	Statistics and Probability I	
History of Calculus		
MATH 406	History of Calculus	

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