

# TEACHING OF MATHEMATICS, MS

*for the Master of Science in Teaching of Mathematics*

The MS in the Teaching of Mathematics is intended for those who wish to teach at the high school or community college level. It does not lead to certification to teach in public schools. The program requires 32 credit hours and can normally be completed in 18 months. Applications are accepted for Fall semester.

A teaching assistantship and full tuition waiver (plus partial fee waiver) will be offered for three semesters to all admitted applicants who are native speakers of English or satisfy the English Proficiency Requirement for International Teaching Assistants (<http://www.grad.illinois.edu/admissions/taengprof.htm>).

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For additional details and requirements refer to the department's Guide to Graduate Studies (<https://math.illinois.edu/academics/graduate-program/forms-guidebooks-handbooks-life-resources/>) and the Graduate College Handbook (<http://www.grad.illinois.edu/gradhandbook/>).

Code	Title	Hours
	A rigorous course in algebra at the level of MATH 417 or above	3 or 4
	A rigorous course in analysis at the level of MATH 447 or above	3 or 4
	Coursework from the College of Education in courses related to the teaching of mathematics at the secondary or college level, subject to the approval of the Director of Graduate Studies in Mathematics.	7-8
<b>Total hours</b>		<b>32</b>

## Other Requirements

Requirement	Description
Other requirements may overlap	
Specific course and sequence requirements must be met.	
Two semesters of teaching under the supervision of a mentor in two categories	
MATH 405, MATH 415, MATH 444, and MATH 499 cannot be counted toward this graduate degree.	
Minimum Hours Required Within the 24 Unit:	
Minimum 500-level Hours Required	12 (8 in Math)
Overall:	
Minimum GPA:	3.0

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1. Students will be able to explain central definitions and theorems of abstract algebra.
2. Students will be able to explain central definitions and theorems of either real or complex analysis.
3. Students will read and interpret scholarship on teaching and learning to influence teaching practice.
4. Students will plan and implement effective teaching and assess student learning.

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## Graduate Degree Programs in Mathematics

- Actuarial Science, MS (<http://catalog.illinois.edu/graduate/las/actuarial-science-ms/>)
- Applied Mathematics, MS (<http://catalog.illinois.edu/graduate/las/applied-mathematics-ms/>)
- Mathematics, MS (<http://catalog.illinois.edu/graduate/las/mathematics-ms/>)
- Mathematics, PhD (<http://catalog.illinois.edu/graduate/las/mathematics-phd/>)
  - optional concentrations:
    - Actuarial Science & Risk Analytics (<http://catalog.illinois.edu/graduate/las/mathematics-phd/actuarial-science-risk-analytics/>)
    - Computational Science and Engineering (<http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/>)
- Teaching of Mathematics, MS (p. 1)
  - optional concentration
    - Computational Science and Engineering (<http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/>)

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## Mathematics Department

Department Chair: Vera Hur  
 Director of Graduate Studies: Jared Bronski  
 Mathematics Department faculty (<https://math.illinois.edu/directory/faculty/>)  
 Mathematics faculty research (<https://math.illinois.edu/research/faculty-research/>)  
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## College of Liberal Arts & Sciences

College of Liberal Arts & Sciences website (<https://las.illinois.edu/>)

## Admissions

Mathematics Admissions & Requirements

Graduate College Admissions & Requirements (<https://grad.illinois.edu/admissions/apply/>)