# Applied Mathematics, MS

for the Master of Science in Applied Mathematics

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**department chair:** Jeremy Tyson  
**director of graduate studies:** Lee DeVille  
overview of admissions & requirements: [https://grad.illinois.edu/admissions/apply](https://grad.illinois.edu/admissions/apply)  
**department website:** http://www.math.illinois.edu  
**program website:** [https://math.illinois.edu/admissions/graduate-program-mathematics-admissions/#MS-AppliedMath](https://math.illinois.edu/admissions/graduate-program-mathematics-admissions/#MS-AppliedMath)  
**department faculty:** [https://math.illinois.edu/research/faculty](https://math.illinois.edu/research/faculty) and [https://math.illinois.edu/directory/faculty-by-type](https://math.illinois.edu/directory/faculty-by-type)  
**college website:** [https://las.illinois.edu/](https://las.illinois.edu/)  
**department office:** 273 Altgeld Hall, 1409 West Green Street, Urbana, IL 61801  
**phone:** (217) 333-5749  
**email:** math-grad@illinois.edu

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The MS in Applied Mathematics program is intended for students wishing to pursue a career in applied mathematics. It is also suitable as preparation for a PhD program in Applied Mathematics. It is rare for students to enter the PhD program at the University of Illinois after finishing this degree. Students may choose one of three tracks: Optimization and Algorithms, Applications to the Sciences, or Computational Science and Engineering. This degree program requires 32 credit hours and can normally be completed in 18 months. A master's thesis is optional. Applications are accepted for Fall semester. Financial aid is generally not available.

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### Graduate Degree Programs in Mathematics

Actuarial Science, MS ([http://catalog.illinois.edu/graduate/las/actuarial-science-ms/](http://catalog.illinois.edu/graduate/las/actuarial-science-ms/))  
Applied Mathematics, MS (p. 1)  
Mathematics, MS ([http://catalog.illinois.edu/graduate/las/mathematics-ms/](http://catalog.illinois.edu/graduate/las/mathematics-ms/))  
Mathematics, PhD ([http://catalog.illinois.edu/graduate/las/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/](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/](http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/))  
Teaching of Mathematics, MS ([http://catalog.illinois.edu/graduate/las/teaching-mathematics-ms/](http://catalog.illinois.edu/graduate/las/teaching-mathematics-ms/))

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## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 405, MATH 406, MATH 415, MATH 444, and MATH 499</td>
<td>cannot be counted toward this graduate degree.</td>
<td></td>
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<tr>
<td>Minimum hours required within the unit:</td>
<td></td>
<td>20</td>
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<tr>
<td>Minimum 500-level hours required overall:</td>
<td></td>
<td>12 (8 in Mathematics)</td>
</tr>
<tr>
<td>Total Hours (graduate study)</td>
<td></td>
<td>32</td>
</tr>
</tbody>
</table>

## Other Requirements

For additional details and requirements refer to the department's Guide to Graduate Studies ([https://files.webservices.illinois.edu/7917/GraduateGuide18-19.pdf](https://files.webservices.illinois.edu/7917/GraduateGuide18-19.pdf)) and the Graduate College Handbook ([https://grad.illinois.edu/gradhandbook/](https://grad.illinois.edu/gradhandbook/)).

Information listed in this catalog is current as of 03/2021