for the Master of Science in Applied Mathematics

APPLIED MATHEMATICS, MS

Overview of Admissions & Requirements:

Overview of Grad College Admissions & Requirements: [https://grad.illinois.edu/admissions/apply](https://grad.illinois.edu/admissions/apply)

Department Website: [http://www.math.illinois.edu](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-research](https://math.illinois.edu/research/faculty-research)

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

Students pursuing the M.S. in Applied Mathematics have the opportunity to customize their studies the following ways:

- Through the Actuarial Science Concentration ([http://catalog.illinois.edu/graduate/graduate-majors/math/ms-applied-math-conc-acturial-science/](http://catalog.illinois.edu/graduate/graduate-majors/math/ms-applied-math-conc-acturial-science/));
- By completing the coursework for the option in Optimization and Algorithms ([http://go.math.illinois.edu/GraduateGuide/](http://go.math.illinois.edu/GraduateGuide/));
- By completing the coursework for the option in Applications to the Sciences ([http://go.math.illinois.edu/GraduateGuide/](http://go.math.illinois.edu/GraduateGuide/));
- By completing the coursework for the option in Computational Science and Engineering ([http://go.math.illinois.edu/GraduateGuide/](http://go.math.illinois.edu/GraduateGuide/));

Additional details are available in the Department of Mathematics Graduate Guide ([https://files.webservices.illinois.edu/7917/GraduateGuide18-19.pdf](https://files.webservices.illinois.edu/7917/GraduateGuide18-19.pdf)).

Degree Requirements

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

Other Requirements

1 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/)).

### 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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