CHEMISTRY, MS

for the degree of Master of Science in Chemistry

Admission
For those interested in pursuing a Master’s degree, applications are not encouraged except for the Master’s Program in the Teaching of Chemistry.

Graduate College requirements apply. Further, applicants should have at least 25 semester hours in chemistry (properly distributed) and a grade point average of 3.0 (A = 4.0), to be considered for admission to the graduate programs. Applications from students with less than the usual preparation in chemistry or with grade point averages below 3.0 may be considered on an individual basis.

International students whose native language is not English are required to have a minimum paper-based Test of English as a Foreign Language (TOEFL) score of 580 (237 on the computer-based test). In addition, teaching is a requirement in the chemistry graduate program, and there are special requirements for applicants whose native language is not English. The University requires a minimum Test of Spoken English (TSE) score of 50. Any applicant whose native language is not English is expected to provide TSE scores in order to receive full consideration for admission and financial aid.

Students might be admitted without a degree from their current institution under exceptional circumstances that will need to be described in detail via a letter from the applicant and a separate statement from the department head of the student's current graduate program.

Contact chemistry graduate admissions for further information.

Financial Aid
Support for graduate students is available through fellowships and assistantships. All candidates are considered for these upon application. Graduate students making normal progress toward their degrees generally receive a tuition waiver as well as a stipend.

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The program leading to the degree of Master Science in Chemistry is designed to be completed in one year of full-time study by students entering without deficiencies. A research thesis is optional. For additional details and requirements refer to the department’s Graduate Programs (https://chemistry.illinois.edu/academics/graduate-studies/) and the Graduate College Handbook (http://www.grad.illinois.edu/gradhandbook/).

Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 599</td>
<td>Thesis Research (12 max applied toward degree)</td>
<td>12</td>
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</tbody>
</table>

Total Hours 32

Non-Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Overall: 32</td>
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</table>

Other Requirements

<table>
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<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Minimum 500-level Hours Required</td>
<td>12</td>
</tr>
<tr>
<td>Minimum GPA:</td>
<td>3.0</td>
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NOTE: Some of the learning outcomes below were taken or adapted from the 2013 American Chemical Society Presidential Commission on Graduate Education in the Chemical Sciences. The Department of Chemistry uses these as its main guidelines.

1. To have a deep working knowledge of the principles, techniques, and concepts of contemporary chemistry.
2. To be able to effectively design and carry out independent research leading to new knowledge or a practical, applicable result.
3. To be able to communicate clearly and effectively within and across disciplinary lines.
4. To be able to educate students interested in chemical sciences.
5. To be aware of and prepare for various career opportunities with an advanced degree in chemistry.
6. To clearly understand the ethical conduct of research.
7. To understand and adopt the best safety practices in chemical research.

Graduate Degree Programs in Chemistry

Chemistry, MA (http://catalog.illinois.edu/graduate/las/chemistry-ma/)

Chemistry, MS (p. 1)

Chemistry, PhD (http://catalog.illinois.edu/graduate/las/chemistry-phd/)

concentrations:

Astrochemistry (http://catalog.illinois.edu/graduate/las/concentration/astrochemistry/)

Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)
Teaching of Chemistry, MS (http://catalog.illinois.edu/graduate/las/teaching-chemistry-ms/)

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Chemistry Department
Department Head: Catherine J. Murphy
Chemistry Department website (https://chemistry.illinois.edu/)
Department Faculty (https://chemistry.illinois.edu/directory/faculty-by-type/)
109 Noyes Laboratory, 505 South Mathews Avenue, Urbana, IL
61801-3080
(217) 333-0711
Chemistry email (chemadm@scs.uiuc.edu)

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

Admissions
Department Admissions (https://chemistry.illinois.edu/admissions/graduate-admissions/)
Graduate College Admissions & Requirements (https://grad.illinois.edu/admissions/apply/)

Information listed in this catalog is current as of 09/2023