CHEMISTRY, MS

for the degree of Master of Science in Chemistry

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/)
Chemical Physics, PhD (http://catalog.illinois.edu/graduate/las/chemical-physics-phd/)
Teaching of Chemistry, MS (http://catalog.illinois.edu/graduate/las/teaching-chemistry-ms/)

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.

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>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>32</strong></td>
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</tbody>
</table>

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Other requirements may overlap</td>
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</tr>
<tr>
<td>Minimum 500-level Hours Required Overall:</td>
<td>12</td>
</tr>
<tr>
<td>Minimum GPA:</td>
<td>3.0</td>
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</table>

Non-Thesis Option

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td><strong>32</strong></td>
</tr>
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Information listed in this catalog is current as of 09/2022
Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>Other requirements may overlap</td>
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<tr>
<td>Minimum 500-level Hours Required Overall:</td>
<td>20 (16 in CHEM)</td>
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<tr>
<td>Minimum GPA:</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.

for the degree of Master of Science in Chemistry

department head chemistry: Catherine J. Murphy
overview of admissions & requirements: https://chemistry.illinois.edu/admissions/graduate-admissions
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply
department website: Chemistry
department faculty: https://chemistry.illinois.edu/directory/faculty-by-type
college website: https://las.illinois.edu/
department office: 109 Noyes Laboratory, 505 South Mathews Avenue, Urbana, IL 61801-3080
phone: (217) 333-0711
e-mail: chemadm@scs.uiuc.edu; chemistry@illinois.edu

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