TEACHING OF CHEMISTRY, MS

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 (https://chemistry.illinois.edu/)
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
email: chemistry@illinois.edu

Graduate Degree Programs in Chemistry

Chemistry, MA (http://catalog.illinois.edu/graduate/las/chemistry-ma/)
Chemistry, MS (http://catalog.illinois.edu/graduate/las/chemistry-ms/)
Chemistry, PhD (http://catalog.illinois.edu/graduate/las/chemistry-phd/)
concentrations:
Solar Energy (https://catalog.illinois.edu/graduate/las/concentration/solar-energy/)
Computational Science & Engineering (https://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)
Chemical Physics, PhD (http://catalog.illinois.edu/graduate/las/chemical-physics-phd/)
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joint programs:
Chemistry, MS & Law, JD (http://catalog.illinois.edu/graduate/las_law/joint-degree/chemistry-ms-law-jd/)

Admission

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. In addition, we ask applicants to submit results from the Graduate Record Examination (GRE) General Test and the GRE Chemistry Subject Test.

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 who are currently enrolled in graduate programs at other institutions are advised that they should first complete degree work at their current institution before they will be considered for admission to the chemistry PhD program at the University of Illinois. In addition, we require a statement from the applicant and a letter from the applicant’s research adviser or department head detailing the situation. 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. The department does not currently accept applications for the MA program.

Graduate Teaching Experience

Experience in teaching is considered a vital part of the graduate program and is required as part of the academic work of all Ph.D. candidates in this program.

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.

for the degree of Master of Science in Chemistry

The Master of Science in the Teaching of Chemistry (MSTC) at the University of Illinois provides advanced studies for those interested in teaching chemistry at the secondary or community college level. The program serves two different audiences:

- Those who already have a teaching certificate or will teach in situations which do not require a certificate;
- Those who wish to obtain a master's degree and a teaching certificate simultaneously.

The MSTC degree (without certification) can be completed in one year. The MSTC degree (with certification) requires two years.

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/).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Grad hours in education</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Grad hours in chemistry</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Graduate electives in either education or physical science</td>
<td>8</td>
<td></td>
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Total Hours: 32

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>The courses in chemistry and the electives must be selected with the approval of the adviser.</td>
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<tr>
<td>Minimum 500-level Hours Required</td>
<td>12 (8 in CHEM)</td>
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<tr>
<td>Overall:</td>
<td></td>
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<td>Minimum GPA:</td>
<td>3.0</td>
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Information listed in this catalog is current as of 06/2021