

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 submit passing scores from the internet-based Test of English as a Foreign Language (TOEFL iBT) or International English Language Testing System (IELTS) to qualify for admission and to be eligible for in person teaching duties, which is required by the department of Chemistry. The following are the minimum passing scores for each test:

TOEFL (iBT) minimum scores: 103 overall, 24 on the speaking subsection

IELTS minimum scores: 7 overall, 8 on the speaking subsection, and no less than 6 on any subsection.

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

Code	Title	Hours
CHEM 599	Thesis Research (12 max applied toward degree)	12
Total Hours		32

Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required	12
Overall:	
Minimum GPA:	3.0

Non-Thesis Option

Code	Title	Hours
Total Hours		32

Other Requirements

Requirement	Description
Other requirements may overlap	
Minimum 500-level Hours Required	20 (16 in CHEM)
Overall:	
Minimum GPA:	3.0

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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

Majors

- Chemistry, MS (p. 1)
- Chemistry, PhD (<http://catalog.illinois.edu/graduate/las/chemistry-phd/>)
 - optional concentration
 - 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/>)

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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/chemistry-graduate-admissions/>)

Graduate College Admissions & Requirements (<https://grad.illinois.edu/admissions/apply/>)