

TEACHING OF CHEMISTRY, MS

for the degree of Master of Science in Chemistry

Admission

Graduate College requirements apply. Further, applicants should have a bachelor's degree or its equivalent from an accredited college or university in the U.S. or an approved institution of higher learning abroad, with at least 25 semester hours in chemistry (properly distributed) and a grade point average of 3.0 (A = 4.0), is required 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.

Graduate Record Exam (GRE) scores (general or subject) are not required. Please do not submit them.

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 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/](http://www.grad.illinois.edu/gradhandbook/)) and the Graduate College Handbook (<http://www.grad.illinois.edu/gradhandbook/>).

Code	Title	Hours
	Graduate hours in education	8
	Graduate hours in chemistry	16
	Graduate electives in either education or physical science	8
Total Hours		32

Other Requirements

Requirement	Description
Other requirements may overlap	
The courses in chemistry and the electives must be selected with the approval of the adviser.	
Minimum 500-level Hours Required	12 (8 in CHEM)
Overall:	
Minimum GPA:	3.0

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Note: since this Learning Outcomes Assessment focuses solely on the Master of Science in Teaching of Chemistry program, we have only 3 learning outcomes (we have 7 for the PhD program).

1. To have a deep working knowledge of the principles and concepts of contemporary chemistry.
2. To be able to educate students interested in chemical sciences using state-of-the-art technology and pedagogy.
3. To be able to communicate clearly and effectively within and across disciplinary lines.

Graduate Degree Programs in Chemistry Majors

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

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Chemistry Department

Department Head Chemistry: Catherine J. Murphy
 Chemistry Department website (<https://chemistry.illinois.edu/>)
 Chemistry 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 (chemistry@illinois.edu)

College of Liberal Arts & Sciences

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

Admissions

Chemistry Overview of Admissions & Requirements (<https://chemistry.illinois.edu/admissions/chemistry-graduate-admissions/>)
Graduate College Admissions & Requirements (<https://grad.illinois.edu/admissions/apply/>)