CHEMISTRY, PHD

for the degree of Doctor of Philosophy in Chemistry

department head chemistry: Martin Gruebele
overview of admissions & requirements:
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: college website
department office: 106 Noyes Laboratory, 505 South Mathews
Avenue, Urbana, IL 61801-3080
phone: (217) 333-0711
email: c (http://catalog.illinois.edu/graduate/las/chemistry-
phd/chemadm@illinois.edu)hemistry@illinois.edu
(http://catalog.illinois.edu/graduate/las/chemistry-phd/
chemadm@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 (p. 1)
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)
joint programs:
Chemistry, MS & Law, JD (http://catalog.illinois.edu/
/graduate/las_law/joint-degree/chemistry-ms-law-jd)
Chemistry, MS & Business Administration, MBA (http://
catalog.illinois.edu/graduate/bus_las/joint-degree/
chemistry-ms-business-administration-mba)

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 Doctor of Philosophy in Chemistry

Doctoral programs are offered in a wide range of specialties, including the
traditional areas of analytical, inorganic, organic, and physical chemistry
as well as materials chemistry and chemical biology. The formal course
requirements involve 12 or more hours of 500-level courses, plus 8 or
fewer hours of 400-level courses, for a total of 20 hours in chemistry and
allied relevant fields. Besides completing formal coursework, students
will present a literature seminar, have a formal review of progress
following the completion of coursework, pass an oral preliminary
examination on research preparation, present and defend an original
research proposal not related to their thesis research, and submit a thesis
on original research, which is defended at a final oral examination.

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).

Entering with M.S./M.A. degree

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>400-500-level courses in Chemistry or allied fields (max 8 at 400-level)</td>
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<tr>
<td>Seminar (CHEM 5X5)</td>
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<tr>
<td>CHEM 599</td>
<td>Thesis Research (0 min applied toward degree)</td>
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<td>Total Hours</td>
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Other Requirements

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<tr>
<th>Requirement</th>
<th>Description</th>
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<tr>
<td>Other requirements may overlap</td>
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<tr>
<td>Teaching experience</td>
<td>1 year</td>
</tr>
<tr>
<td>Qualifying Exam Required</td>
<td>No</td>
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Information listed in this catalog is current as of 04/2020
<table>
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<tr>
<td>Preliminary Exam Required</td>
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<tr>
<td>Original Research Proposal</td>
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<tr>
<td>Final Exam/Dissertation Defense Required</td>
<td>Yes</td>
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<tr>
<td>Dissertation Deposit Required</td>
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<tr>
<td>Minimum GPA:</td>
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**Entering with approved B.S./B.A. degree**

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<td>400- or 500-level courses in the Chemistry or allied fields (max 8 at 400-level)</td>
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<tr>
<td>500-</td>
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<tr>
<td>Seminar</td>
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<tr>
<td>CHEM 599</td>
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Total Hours: 96

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