Facilities for Graduate Work

The University Libraries provide access to key database resources such as SciFinder, Reaxys, and Web of Science, as well as hundreds of electronic scientific journals and thousands of e-books. These resources are available through the University Libraries website. The library also maintains extensive print collections in all areas of chemistry and chemical engineering.

The Department of Chemistry maintains world-class core facilities staffed by experienced scientists. Facilities include NMR, mass spectrometry, x-ray diffraction, scientific glassblowing, and electronics maintenance and design. For further information on our facilities, including specific instrumentation available, visit Department Facilities.

Areas of Study

Graduate study in chemistry is offered in the areas of chemical biology, chemical physics, analytical, inorganic, organic, or physical chemistry. Each of these broad areas encompasses specialized aspects of the subject. Details are available from the chair of the department’s Graduate Admissions Committee.

Graduate Studies Committee

The following faculty members served on the Graduate Studies Committee (GSC) in the spring 2023 semester.

- Eric V Anslyn
- Michael Aubrey
- Carlos R Baiz
- Brian Belardi
- J Thomas Brenna
- Jennifer S Brodbelt
- Cassandra E Callmann
- James R Chelikowsky
- Richard M Crooks
- Ron Elber
- Andrew Ellington
- John B Goodenough
- Graeme Andrew Henkelman
- Kami Hull
- Simon M Humphrey
- Brent L Iverson
- Adrian T Keatinge-Clay
- Benjamin Keith Keitz
- Michael J Krische
- David A Laude
- Xiuling Li
- Yi-Chih Lin
- Hung-Wen Liu
- Yi Lu
- Nathaniel Lynd
- Dmitrii E Makarov
- Delia Milliron
- Charles B Mullins
- Robert W Newberry
- Zachariah Allen Page
- Emily Que
- Hang Ren
- Sean Thomas Roberts
- Michael Rose
- Devleena Samanta
- Livia Schiavinato Eberlin
- Jonathan L Sessler
- Jason B Shear
- Devarajan Thirumalai
- David A Vandenbout
- Lauren J Webb
- Guihua Yu

Admission Requirements

The preliminary training of students seeking a graduate degree in chemistry must include at least 24 semester hours of undergraduate work in chemistry, consisting of 12 or more semester hours of upper-division coursework and at least two courses (including laboratory) in organic chemistry and two in physical chemistry; one in analytical chemistry; and one in inorganic chemistry.