

Biochemistry

*Master of Arts
Doctor of Philosophy*

For More Information

Campus address: Norman Hackerman Building (NHB) 2.606, phone: (512) 471-5105; campus mail code: A6500

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Areas of Study

Graduate study in biochemistry is offered in a wide range of areas including mechanisms of drug action; genetics of human disease; metabolic compartmentalization and regulation; structure and function of enzymes, toxins, viruses, ion channels, and receptors; mechanism and regulation of cellular processes; enzymology of DNA repair and replication, transcription, and translation; and computational biology. Additional details are available on the program website and from the graduate advisor.

Graduate Studies Committee

The following faculty members served on the Graduate Studies Committee (GSC) in the spring 2025 semester.

Hal S Alper	Seongmin Lee
Jeffrey E Barrick	Yi Lu
Ethel Bayer Santos	Edward M Marcotte
Xiaolu Cambronne	Andreas Matouschek
Lydia Maria Contreras	Despoina Mavridou
Kevin N Dalby	Jennifer A Maynard
Bryan William Davies	Jason McLellan
Daniel James Dickinson	Somshuvra Mukhopadhyay
Stephen Carl Ekker	Tanya T Paull
Andrew Ellington	Shelley M Payne
Ilya J Finkelstein	Pengyu Ren
George Georgiou	Rick Russell
Rasika M Harshey	David Soloveichik
Brent L Iverson	Christopher S Sullivan
Andres Jara-Oseguera	David William Taylor Jr
Arlen W Johnson	Lauren J Webb
Zunlong Ke	Christian P Whitman
Adrian T Keatinge-Clay	Claus O Wilke
Alan Lambowitz	Kun Yang
Daniel J Leahy	Yan Zhang

Admission Requirements

Students seeking a graduate degree in biochemistry must have a bachelor's degree or the equivalent in a related area, such as chemistry, biology, physics, or microbiology with the following preparation: mathematics through one year of calculus; chemistry, including organic chemistry, biochemistry, and physical chemistry; general physics; and biology, including cell biology. Deficiencies in undergraduate courses, if not too extensive, may be corrected during the student's first two semesters in the graduate program. These courses are usually not counted toward graduate degrees.