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 2023 semester.

- Hal S Alper
- Eric V Anslyn
- Dean R Appling
- Jeffrey E Barrick
- Karen S Browning
- Xiaolu Cambron
- Lydia Maria Contreras
- Richard M Crooks
- Kevin N Dalby
- Bryan William Davies
- Daniel James Dickinson
- Ron Elber
- Andrew Ellington
- Walter L Fast
- Ilya J Finkelstein
- George Georgiou
- Marvin L Hackert
- Rasika M Harshay
- David W Hoffman
- Jon M Huibregtse
- Brent L Iverson
- Andres Jara-Oseguera
- Arlen W Johnson
- Kenneth Johnson
- Adrian T Keatinge-Clay
- Alan Lambowitz
- Daniel J Leahy

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: