

BIOCHEMISTRY, DOCTORAL MINOR

Craciun, Craig, Denu, Engin, C. Fox, Friesen, Gellman, Grant, Harrison, Henzler-Wildman, Hess, Holden, Hoskins, Hull, Keck, Kimble, Kirchdoerfer, Landick, Lewis, Lim, Martin, Merrins, Mosher, Ntambi, Palmenberg, Pike, Ralph, Raman, Rayment, Record, Rienstra, Romero, Senes, Sheets, Simcox, Sussman, Venturelli, Weeks, Wickens, Wildonger, Wright

Biochemistry is the study of biological molecules, their roles in the cell, and the chemistry of their reactions in living systems. The Integrated Program in Biochemistry (IPiB) is the merged graduate program between the Department of Biochemistry (in the College of Agricultural and Life Sciences) and the Department of Biomolecular Chemistry (in the School of Medicine and Public Health). The program trains the next generation of biochemists and prepares them for 21st century challenges in science.

ADMISSIONS

Candidates should have an undergraduate degree in biochemistry, chemistry, physics, or one of the biological or medical sciences. A minimum GPA of 3.0 (on a 4.0 scale) is required. In addition to meeting the general requirements of the Graduate School, coursework in biochemistry, physics, organic chemistry, and physical chemistry is required. The student can make up any course deficiencies during the first two years of graduate study.

A student must identify a member of the IPiB faculty to serve as the minor advisor. The minor advisor will advise the student on his or her minor program, and serve as a member of the student's thesis committee.

REQUIREMENTS

For a minor in biochemistry, a Ph.D. candidate must complete a required course series and earn a total of 16 graduate-level credits in advanced biochemistry courses (600 level or above).

Code	Title	Credits
General Biochemistry Course Requirements ¹		
Students must complete Series 1 or Series 2:		
<i>Series 1</i>		
BIOCHEM 507	General Biochemistry I	3
BIOCHEM 508	General Biochemistry II	3-4
<i>Series 2</i>		
A total of 6 credits selected from 600- / 700- level courses with approval of the ECC		
Additional Biochemistry Courses		10
Additional courses to bring the credit total to 16 are selected from advanced biochemistry courses (600 level or above).		

¹ Students with good preparation in chemistry will preferably select courses from Series 2 to meet this General Biochemistry Course Requirement.

PEOPLE

Faculty: Professors B. Fox (Chair, Department of Biochemistry), Kiley (Chair, Department of Biomolecular Chemistry), Amasino, Attie, Audhya, Bednarek, Brow, Buller, Butcher, Cantor, Cavagnero, Coon, Cox, Coyle,