

Biochemistry Program

Leonard Sciorra, Ph.D., *Coordinator*

The Biochemistry Program is housed within the Department of Applied Science and Technology. The Department offers a major in Biochemistry in collaboration with the Biology and Chemistry Departments.

Requirements for Biochemistry Major

Degree of Bachelor of Science

Twelve of the required credits for the major count towards the Core Curriculum Requirements.

BI-183	General Biology I (Core Natural Science)	3
BI-185	General Biology I Lab	1
BI-184	General Biology II (Core Natural Science)	3
BI-186	General Biology II Lab	1
BI-240	Cell and Molecular Biology	4
BI-240L	Cell & Molecular Bio Lab	0
BC/CH-421		2
For Capstone, choose from one of the following		3
BC-390	Spec Topics: Biological Chem (Capstone)	
CH-499	Research in Chemistry	
HP-492	Honors Thesis: Independent Study	
CH-131	General Chem and Qualitative Analysis 1	3
CH-131L	Gen Chem and Qualitative Analysis 1 Lab	1
CH-132	General Chem and Qualitative Analysis 2	3
CH-132L	Gen Chem and Qualitative Analysis 2 Lab	1
CH-251	Organic Chemistry I	3
CH-251L	Organic Chemistry I Lab	1
CH-252	Organic Chemistry II	3
CH-252L	Organic Chemistry II Lab	1
CH-365	Physical Chemistry I	3
CH-365L	Physical Chemistry I Lab	1
CH-366	Physical Chemistry II	3
CH-366L	Physical Chemistry II Lab	1
BC/CH-442	Biochemistry I	3.00
BC/CH-442L	Biochemistry 1 Lab	1.00
BC/CH-443	Biochemistry II	3.00
BC/CH-443L	Biochemistry II Lab	1.00
MA-143	Differential Calculus (Core Math)	4
MA-144	Integral Calculus (Core Math)	4
MA-273	Multivariable Calculus I	4
PC-185	General Physics I	3
PC-187	General Physics Laboratory I	1
PC-186	General Physics II	3
PC-188	General Physics Laboratory II	1
Total Credits		69

Special Notes on Major Requirements

- 1 Students are strongly encouraged to take BI-350 Genetics and BI-350L Genetics Lab.
- 2 Students in Capstone must make a formal oral and written presentation of their research.