

MOLECULAR BIOLOGY- UNDERGRADUATE MINOR

The Molecular Biology Program offers opportunities for students to gain theoretical training and hands-on experience in the methods of molecular biology, cellular biology, and/or bioinformatics. A formal undergraduate minor in Molecular Biology is offered and is described below; a grade of C or better is required to certify the courses. A minor in Bioinformatics is currently under development; for planning purposes, please refer to the program office for the most recent drafts of the Bioinformatics minor requirements.

This program consists of a minimum of 18 hours, distributed through five or six areas.

Prefix	Title	Credits
Organic Chemistry:		4-5
CHEM 314	Organic Chemistry II	
CHEM 315	Organic Chemistry Laboratory	
CHEM 2115	Survey of Organic Chemistry and Laboratory	
Introductory Genetics:		3
AGRO 305	Principles of Genetics	
ANSC 305	Principles of Genetics	
BIOL 305	Principles of Genetics	
HORT 305	Principles of Genetics	
Cell Biology:		3
BIOL 377	Cell Biology	
BIOL 490	Neurobiology	
Advanced Genetics:		3
BCHE 396	Biochemistry II, Lecture and Laboratory	
BIOL 478	Molecular Biology of Microorganisms	
Additional Advanced Courses: ¹		5
BCHE 424	Experimental Biochemistry I	
BIOL 474	Immunology	
BIOL 475	Virology	
BIOL 451	Physiology of Microorganisms	
BIOL 467	Evolution	
BIOL 477	Applied and Environmental Microbiology	
TOX 461	Toxicology I	
Total Credits		18-19

¹ Additional credit hours from the following, or additional courses from any of the above five areas, as needed to meet a minimum of 18 credit hours

Successful completion of the minor will be certified by the Molecular Biology Program. A grade of "C" or better is required of all minor courses.