

Biology- Bachelor of Arts

For information, contact the Department of Biology, 212 Pearson Hall, 513-529-3100.

Biology is a natural science concerned with the study of life and living organisms. The biology major can be tailored to meet the needs of students interested in the health sciences, animal or plant physiology, cell and molecular biology, ecology or environmental studies, or evolution and systematics. It is possible to complete a Biology Major while earning either the Bachelor of Arts or Bachelor of Science.

Students may not double major in Biology and Botany, or in Biology and Zoology.

Program Requirements

(32 semester hours, plus 17 related hours)

Code	Title	Credit Hours
Core Courses		
BIO/MBI 115	Biological Concepts: Ecology, Evolution, Genetics, and Diversity	4
BIO/MBI 116	Biological Concepts: Structure, Function, Cellular, and Molecular Biology	4
Advanced Course Requirements ¹		24
Select three of the following:		
BIO 203	Introduction to Cell Biology	
BIO 206	Evolutionary Biology	
or BIO 204	Evolution of Plant Biodiversity: Genes to Biosphere	
BIO 209	Fundamentals of Ecology	
BIO 342	Genetics	
Laboratory Course Requirement:		
Select at least one advanced course with a laboratory component ²		
Related Courses		
One year of chemistry:		10-11
First Term:		
CHM 141	College Chemistry	
or CHM 141R	College Chemistry	
or CHM 141H	College Chemistry	
and		
CHM 144	College Chemistry Laboratory	
or CHM 144M	College Chemistry Laboratory for Majors	
Second Term:		
CHM 142	College Chemistry	
or CHM 142H	College Chemistry	
or CHM 142M	College Chemistry for Majors	
and		
CHM 145	College Chemistry Laboratory	
or CHM 145M	College Chemistry Laboratory	
One course in Statistics		3-4

Select related courses chosen from ATH, CHM, CIT, CPB, CSE, ENV, GLG, GEO, IES, MTH, MBI, PHY or STA

- ¹ The remaining 24 semester hours must be fulfilled by taking courses at the 200 level or above. Advanced microbiology (MBI) courses and IES 275 can count for up to nine semester hours of this requirement. No more than three semester hours of independent study/research/internship may apply to the major. At least one 400 level course (minimum three semester hours) must be taken.
- ² Three semester hours of independent research, taken at the 200-level or above, can be used in lieu of a formal course to fulfill this laboratory requirement

Students seeking the Bachelor of Arts in Biology meet the College of Arts and Science writing in the major requirement by completing the following courses: two W Biology courses at the 200- or 300-level and one biology W course at the 400-level. As an alternative to the 400-level course, students may complete an independent study that includes technical science writing. Upon completion of an independent study, the student must submit, with the signed support of a faculty member, a letter of certification indicating that s/he has successfully completed the technical science writing requirement.