

# Zoology- Bachelor of Science

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

Zoology is the natural science that focuses on the study of animals. The zoology major can be tailored to meet the needs of students interested in the health sciences, animal physiology, cell and molecular biology, ecology or environmental studies, or evolution and systematics. It is possible to complete a Zoology Major while earning either the Bachelor of Arts or Bachelor of Science. Students may double major in Botany and Zoology, but in that case only nine credits of the Advanced Hours requirement may be used for both degrees. Students may not double major in Biology and Zoology.

## Program Requirements

(36 semester hours, plus 48 related hours)

Code	Title	Credit Hours
<b>Core Courses</b>		
Select all of the following:		
BIO/MBI 115	Biological Concepts: Ecology, Evolution, Genetics, and Diversity	4
BIO/MBI 116	Biological Concepts: Structure, Function, Cellular, and Molecular Biology	4
<b>Advanced Courses Requirement <sup>1, 2</sup></b>		
BIO 203	Introduction to Cell Biology	3
BIO 209	Fundamentals of Ecology	3
BIO 305	Human Physiology	4
BIO 342	Genetics	3
Select at least one 400 level course, plus additional advanced zoology-focused Biology courses at the 200 level or above to total 28 advanced hours, 36 total BIO hours. Please refer to the footnote below for courses that will not count. <sup>1</sup>		15
<b>Related Hours (48 required)</b>		
Two years of chemistry are required:		17-19
CHM 141	College Chemistry or CHM 141R College Chemistry or CHM 141H College Chemistry	
CHM 144	College Chemistry Laboratory or CHM 144N College Chemistry Laboratory for Majors	
CHM 142	College Chemistry or CHM 142H College Chemistry or CHM 142M College Chemistry for Majors	
CHM 145	College Chemistry Laboratory or CHM 145N College Chemistry Laboratory	
Select one of the following options:		
Option 1:		
CHM 241 & CHM 244	Organic Chemistry and Organic Chemistry Laboratory	

CHM 242 & CHM 245	Organic Chemistry and Organic Chemistry Laboratory	
Option 2:		
CHM 231 & CHM 332 & CHM 332L	Fundamentals of Organic Chemistry and Outlines of Biochemistry and Outlines of Biochemistry Lab	
Select one of the following options:		8-10
Option 1:		
PHY 161 & PHY 162	Physics for the Life Sciences with Laboratory I and Physics for the Life Sciences with Laboratory II	
Option 2:		
PHY 181 & PHY 183 & PHY 182 & PHY 184	General Physics I and General Physics Laboratory I and General Physics II and General Physics Laboratory II	
Select at least eight semester hours of mathematics <sup>3</sup>		8
Select additional hours to total 48 <sup>4</sup>		11-15
<b>Total Credit Hours</b>		<b>84</b>

<sup>1</sup> The following courses will **NOT** count toward the advanced hours in zoology: BIO 204, 205, 221, 232, 241, 244, 302, 306, 314, 402, 425, 431.

One 400-level course other than BIO 400, 419R, or 477 must be taken (minimum three semester hours).

<sup>2</sup> No more than three semester hours of independent study/research/internship may apply to the major.

<sup>3</sup> Mathematics hours must include a calculus course and a statistics course.

<sup>4</sup> From chemistry, geography, geology, mathematics (200 level or above), microbiology, physics, psychology, statistics (200 level or above), computer science and software engineering, IES 431.