

# BIOLOGY, MINOR

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The Biology minor introduces students to fundamental topics in the areas of cell and molecular biology, genetics, physiology, and ecology and evolution. This broad range of coursework is designed to provide students with a sufficient background to understand the basics underlying many of the current advances in the field.

**For more information:** <https://www.bio.upenn.edu/undergraduate/current-students/minor-requirements>

Code	Title	Course Units
<b>Minor Requirements</b>		
<i>Introductory Biology</i>		
Select one of the following tracks:		2-3
Track 1:		
BIOL 121	Introduction to Biology - The Molecular Biology of Life	
BIOL 123	Introductory Molecular Biology Laboratory	
BIOL 124	Introductory Organismal Biology Lab	
Track 2:		
BIOL 101	Introduction to Biology A	
BIOL 102	Introduction to Biology B	
<i>Introductory Chemistry</i>		
Select 2 course units of Introductory Chemistry courses		2
<i>Intermediate Level Biology</i>		
Select four courses from four different groups:		4
Group 1:		
BIOL 204	Biochemistry	
CHEM 251	Principles of Biological Chemistry	
BIOL 205	Cell Biology	
Group 2:		
BIOL 221	Molecular Biology and Genetics	
Group 3:		
BIOL 215	Vertebrate Physiology	
BIOL 231	The Evolution of Animal Behavior	
BIOL 251	Molecular and Cellular Neurobiology	
Group 4:		
BIOL 230	Evolutionary Biology	
BIOL 240	Ecology: From individuals to ecosystems	
<i>Additional Biology Course</i>		
Select 1 course unit of Additional Biology Course (Track 1 only)		1
<b>Total Course Units</b>		<b>9</b>

The degree and major requirements displayed are intended as a guide for students entering in the Fall of 2018 and later. Students should consult with their academic program regarding final certifications and requirements for graduation.

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