

BIOLOGY / MINOR

Minor Credit Hours: 26

Students must achieve a grade of C- or better in each of the following courses before they can advance to the next course in the sequence:

BIOL 11000 General Biology 1, BIOL 11500 General Biology 2, and BIOL 22000 Genetics. Any grade less than a C- requires the student to repeat the class or petition for an exemption. Students may receive the exemption only once.

Biology majors and minors may take a Biology class only two times. If a student has not achieved a minimum of a "C-" after the second attempt, the student may not repeat the class. Students are allowed to repeat no more than two courses in the program to satisfy minimum grade requirement.

The Biology Department will award three hours of credit for the General Education class BIOL 10000 Introduction to Biology when students have received a score of 4 or 5 on AP tests. No credit is awarded for major classes based on AP scores.

To be admitted to the minor in Biology, the applicant needs either a cumulative GPA of 2.75 for current Lewis students or a composite ACT score of 21 for entering first-year students. Completion of Calculus I is not required to be admitted to the minor.

Requirements

Minor Requirements

Code	Title	Hours
Required Courses		
BIOL 11000	General Biology 1	4
BIOL 11100	General Biology 1 Lab	1
BIOL 11500	General Biology 2	4
BIOL 11600	General Biology 2 Lab	1
BIOL 22000	Genetics	4
BIOL 22100	Genetics Lab	1
BIOL 22400	General Microbiology	4
BIOL 22600	General Microbiology Lab	1
Upper-Division Electives		
Select a minimum of 6 credit hours: ¹		6
BIOL 31500	General Ecology and Evolution	
BIOL 31600	General Ecology Lab	
BIOL 32200	Environmental Microbiology	
BIOL 32300	Environmental Microbiology Lab	
BIOL 33500	Advanced Clinical Physiology	
BIOL 33600	Case Studies in Human Physiology	
BIOL 35500	Molecular Biochemistry with Clinical Correlates	
BIOL 35600	Molecular Biochemistry Lab	
BIOL 35700	Nutritional Biochemistry with Clinical Correlates	
BIOL 35800	Nutritional Biochemistry Lab	
BIOL 36300	Biomimicry and Whole Systems Thinking	
BIOL 37300	Renewable Energy Technologies	
BIOL 37500	Issues in Environmental Science	
BIOL 39300	Green Building and LEED Rating Systems	
BIOL 40500	Invertebrate Zoology	

BIOL 40600	Molecular Cell Biology	
BIOL 41600	Conservation Biology	
BIOL 41700	Conservation Biology Lab	
BIOL 41800	Limnology	
BIOL 42000	Botany	
BIOL 42100	Botany Lab	
BIOL 42200	Human Anatomy	
BIOL 42300	Functional Human Anatomy Lab	
BIOL 42500	Medical Microbiology	
BIOL 42600	Immunology	
BIOL 43500	Ethics: Scientific Principles and Practices	
BIOL 47900	Pharmacology	
BIOL 49700	Special Topics	
Total Hours		26

¹ Prerequisites must be satisfied.