

BIOLOGY MAJOR (BA TRADITIONAL)

Biology majors develop a strong foundation in biology by exploring cell biology, genetics, molecular biology, chemistry, evolutionary theory, scientific methodology, and laboratory techniques in our core curriculum. Students then have the opportunity to tailor their degree with various electives including immunology, microbiology, human anatomy and physiology, and human gross anatomy, in which students have access to a human cadaver lab. The coursework pushes students to sharpen their critical thinking, scientific reasoning, and laboratory skills.

General Education Requirements

All degree seeking undergraduate students must complete the general education (<http://catalog.csp.edu/archive/2019-2020/undergraduate/academic-information/general-education-requirements>) requirements.

Degree Requirements

Bachelor of Arts (<http://catalog.csp.edu/archive/2019-2020/undergraduate/academic-information/graduation-requirements/#ba>) degree consists of a major of typically 32 to 44 credits or two minors, general education courses, and elective courses totaling a minimum of 120 credits.

Code	Title	Credits
Prerequisites from General Education		
BIO 120	General Biology I (4)	
CHE 115	General Chemistry I (4)	
Select one of the following:		
MAT 110	Introduction to Probability and Statistics (3)	
MAT 125	Precalculus (4)	
MAT 135	Calculus I (4)	
Required		
BIO 130	General Biology II	4
CHE 116	General Chemistry II	4
BIO 210	Genetics	4
BIO 330	Cell Biology	4
Select one of the following:		
SCI 435	Research and Techniques (4)	
SCI 455	Research in Science (Instructor approval required) (4)	
BIO 498	Biology Internship (4)	
Select one of the following:		
SCI 450	Literature Review of Special Topics (2)	
SCI 436	Advanced Research & Techniques (4)	
SCI 456	Advanced Research in Science (4)	
SCI 499	Senior Outcomes	0
Electives		
Select a minimum 17 credits of the following. Two courses must be 300 or 400 level:		17
BIO 230	Animal Biology and Physiology ¹ (4)	
BIO 300	Microbiology ¹ (4)	
BIO 315	Human Anatomy and Physiology I (4)	

BIO 316	Human Anatomy and Physiology II (4)	
BIO 335	Molecular Biology (4)	
BIO 340	Science Issues and Ethics (4)	
BIO 350	Medical Terminology (2)	
BIO 415	Biology of Aging (3)	
BIO 430	Immunology (4)	
BIO 440	Human Gross Anatomy (4)	
BIO 497	Biology Teaching Assistant (1)	
CHE 329	Biochemistry II (4)	
KHS 473	Biomechanics (4)	
PSY 310	Physiological Psychology (4)	
Total Credits		39-41

¹ Secondary education majors seeking 9-12 life science licensure must take BIO 230 and BIO 300 as part of their elective coursework.