



Biology Major:
Cell/Molecular Biology Focus
Academic Plan of Study
2017-2019 Catalog

Name: _____ Student ID #: _____ Date: _____

University Studies Requirements

Core Courses *completed within first 60 credits

Course	Credits	Grade	Planned to Take
WRIT 102 College Writing II _____	3	_____	_____
WRIT 209 Business and Professional Writing _____	3	_____	_____
HHP 102 Wellness and a Positive Lifestyle _____	3	_____	_____
COMM 110 Intro to Speech Communications _____	3	_____	_____
MATH/CSCI _____	3-4	_____	_____

Humanities

Course	Course Title	Credits	Grade	Planned to Take
History _____		3	_____	_____
Literature _____		3	_____	_____
World Language, Culture, & Philosophy _____		3	_____	_____

Social Science (6 cr) *must include 2 different prefixes*

Course	Course Title	Credits	Grade	Planned to Take
Course 1 _____		3	_____	_____
Course 2 _____		3	_____	_____

Natural & Physical Sciences

Course	Course Title	Credits	Grade	Planned to Take
Environmental _____		2	_____	_____
Lab _____		4	_____	_____

Fine & Applied Arts

Course	Course Title	Credits	Grade	Planned to Take
Art History, Criticism & Appreciation _____		3	_____	_____
Aesthetic Experience _____		3	_____	_____

Global Awareness & Diversity *may be fulfilled through other University Studies categories

Course	Course Title	Credits	Grade	Planned to Take
Global Awareness _____		3	_____	_____
Diversity _____		3	_____	_____

Biology Major Requirements

34 total biology credits plus 9 chemistry required to include:

Biology required courses (20 credits required):

Course	Course Title	Credits	Grade	Planned to Take
BIOL 130	Principles of Biology I	4		
BIOL 132	Principles of Biology II	4		
BIOL 330	Genetics	4		
BIOL 340	Ecology	4		
BIOL 440	Cell Biology	4		

Senior Experience required courses (1 credit required):

Course	Course Title	Credits	Grade	Planned to Take
BIOL 491	Research in Biology	1-4		
BIOL 492	Biology Seminar	1		
BIOL 496	Internship	1-4		

The senior project will be presented publically in fulfillment of this requirement

Biology Upper-level Elective courses (13 credits required):

Course	Course Title	Credits	Grade	Planned to Take
BIOL 300	Marine Biology	3		
BIOL 303	Forest Ecology and Management	4		
BIOL 305	Evolution Biogeography and Conservation	3		
BIOL 312	Medical Terminology	2		
BIOL 316	Immunology	3		
BIOL 318	Plant Taxonomy	4		
BIOL 325	Aquatic Entomology	3		
BIOL 335	Limnology	4		
BIOL 350	Microbes and Defense	4		
BIOL 355	Parasitology	4		
BIOL 360	Entomology	4		
BIOL 365	Ornithology	4		
BIOL 367	Vertebrate Biology	4		
BIOL 380	Ichthyology	4		
BIOL 382	Field Biology	1		
BIOL 420	Animal Behavior (Ethology)	3		
BIOL 431	Animal Behavior Laboratory	1		
BIOL 432	Laboratory Techniques in Biochemistry and Cell/Molecular Biology	2		
BIOL 465	Special Topics	1-4		
BIOL 481	Fish Population Ecology and Management	4		
BIOL 484				

Chemistry required courses (9 credits required):

Course	Course Title	Credits	Grade	Planned to Take
CHEM 105	General Chemistry I _____	5	_____	_____
CHEM 106	General Chemistry II _____	4	_____	_____

One semester of calculus and a year of physics are recommended for students interested in graduate or professional school.

Cell/Molecular Biology focus recommended courses:

Students should work closely with their advisor when choosing elective credits.

Course	Course Title	Credits	Grade	Planned to Take
BIOL 318	Immunology _____	3	_____	_____
BIOL 400	Animal Physiology _____	4	_____	_____
BIOL 355	Microbes and Defense _____	4	_____	_____
BIOL 465	Laboratory Techniques in Biochemistry and Cell/Molecular Biology _____	2	_____	_____

Those interested in focusing on Cell and Molecular Biology should minor in chemistry (taking CHEM 360, Biochemistry as part of the minor).

Notes: