



Biology Major:
Ecology, Aquatic Biology, & Fishery Science 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	3		
BIOL 312	Biogeography and Conservation	3		
BIOL 316	Medical Terminology	2		
BIOL 318	Immunology	3		
BIOL 325	Plant Taxonomy	4		
BIOL 335	Aquatic Entomology	3		
BIOL 350	Limnology	4		
BIOL 355	Microbes and Defense	4		
BIOL 360	Parasitology	4		
BIOL 365	Entomology	4		
BIOL 367	Ornithology	4		
BIOL 380	Vertebrate Biology	4		
BIOL 382	Ichthyology	4		
BIOL 420	Field Biology	1		
BIOL 431	Animal Behavior (Ethology)	3		
BIOL 432	Animal Behavior Laboratory	1		
BIOL 465	Laboratory Techniques in Biochemistry and Cell/Molecular Biology	2		
BIOL 481	Special Topics	1-4		
BIOL 484	Fish Population Ecology and Management	4		

Chemistry required courses (3 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.

Ecology, Aquatic Biology and Fishery Science focus recommendation:

Faculty expertise and the Lake Superior region contribute to the development of both classroom and non-classroom learning experiences in the area of ecology, aquatic biology and fishery science. Students interested in careers in aquatic ecology, marine biology, terrestrial ecology, field biology, resource management, or natural resource education will be advised to take courses within the Biology Major which prepare them for work or graduate studies in these fields. Additional courses in mathematics, statistics, computer science, geographic information systems, and physics are recommended.

*Students should work closely with their advisor when choosing elective credits.
Additional courses in mathematics, statistics, computer science, geographic information systems, and physics are recommended.*

Course	Course Title	Credits	Grade	Planned to Take

Notes: