Bachelor of Arts: Biology Teaching (844BAT) 2023-2024

The Biology Teaching major provides a broad education in biology. Along with professional education courses & student teaching, this curriculum is a sound preparation for teaching life science, biology, & other secondary science courses.



Choose 4 hrs. of Elective Credits				
BIOL 3102	Anatomy & Physiology II	Fall, Spring, Summer	4 hrs. *	
BIOL 3106	Vertebrate Anatomy	Fall	4 hrs.	
BIOL 3107	Environmental Physiology	Variable	3 hrs.	
BIOL 3108	Vertebrate Histology	Variable	4 hrs.	
BIOL 3112	Invertebrate Zoology	Variable	4 hrs.	
BIOL 3118	Marine Biology	Variable	3 hrs.	
BIOL 3120	Plant Diversity & Evolution	Spring	4 hrs.	
BIOL 3147	Cancer & Emerging Infectious Diseases	Spring	3 hrs.	
BIOL 3151	General Microbiology	Fall & Spring	4 hrs.	
BIOL 3160	Field Zoology of Vertebrates	Spring	4 hrs.	
BIOL 3170	Entomology	Variable	3 hrs.	
BIOL 4105	Wildlife Ecology & Management	Odd Falls	4 hrs.	
BIOL 4108	Biodiversity Conservation Policy	Even Springs	3 hrs.	
BIOL 4114	Comparative Animal Physiology	Even Falls	4 hrs. #	
BIOL 4116	Neurobiology	Spring	3 hrs.	7 credits of BIOI
BIOL 4121	Plant Biotechnology	Odd falls	4 hrs.	1000 electives
BIOL 4122	Plant Physiology	Variable	4 hrs.	
BIOL 4127	Bioinformatics Applications for Biology	Variable	3 hrs.	are required
BIOL 4128	Cell Biology	Spring	4 hrs. #	(BIOL 4198
BIOL 4129	Genomics	Even Falls	3 hrs.	cannot be
BIOL 4137	Vertebrate Physiology	Odd Falls	4 hrs. #	counted toward
BIOL 4142	Evolutionary Biology	Spring	3 hrs.	this 7 credits) At
BIOL 4144	Virology	Even Springs	4 hrs.	looot 4 oradita of
BIOL 4146	Developmental Biology of Animals	Spring	4 hrs.	
BIOL 4150	Immunology	Fall	4 hrs.	BIOL 4000
BIOL 4157	Biostatistics	Fall	3 hrs.	electives need to
BIOL 4164	Mammalogy	Fall	4 hrs.	be taken at UNI.
BIOL 4166	Plant Systematics	Odd Falls	4 hrs.	
BIOL 4167	Conservation Biology	Spring	3 hrs.	
BIOL 4168	Ecology	Fall	4 hrs.	
BIOL 4172	Developmental Plant Anatomy	Even Falls	4 hrs.	
BIOL 4180	Restoration Ecology	Odd Springs	4 hrs.	
BIOL 4198	Independent Study	Fall, Spring, Summer	1 – 6 hrs. ***	
Research Associated Credits:				
BIOL 3185	Readings in Biology	Fall, Spring, Summer	1 – 3 hrs.	Cannot count more than a
BIOL 3189	Seminar	Variable	1 – 2 hrs.	BIOL 3185, 3190, 4198
BIOL 3190	Undergraduate Research in Biology	Fall, Spring, Summer	1 – 3 hrs. ***	toward the biology major
BIOL 3191	Senior Thesis	Fall, Spring, Summer	1 hr.	electives requirements

Science courses at Iowa Lakeside Laboratory, lakesidelab.org, satisfy elective requirements. Check with your advisor for more information.

Notes:

1. Prerequisite for 3000 level courses include completion of BIOL 2051, BIOL 2052, CHEM 1110 & CHEM 1120. All with a C- or higher.

2. Prerequisite for 4000 level courses include junior standing & completion of

a. Two semester sequence of General Biology & General Chemistry (listed above), BIOL 3100 - Evolution,

Ecology & the Nature of Science, & BIOL 3140 – Genetics. All with a C- or higher.

c. Courses with # have additional prerequisites. Check courses catalog for complete details.

3. * BIOL 3101 – Anatomy & Physiology I counts as university elective credit, not biology elective credit. A student must take BIOL 3101 – Anatomy & Physiology I OR BIOL 3106 – Vertebrate Anatomy & BIOL 3102 – Anatomy & Physiology II at UNI for BIOL 3102 to count as biology elective credit for a major or minor.

4. *** BIOL 3190 - Undergraduate Research in Biology & BIOL 4198 – Independent Study require students to contact faculty members to inquire about available opportunities.

5. The official degree requirements as well as policies & procedures can be found at www.uni.edu/catalog

6. Students pursuing a biology major or minor must earn a C- or better in all coursework required for their major or minor. For the Biology Teaching major, students must have a UNI Major/Plan GPA & UNI Cumulative GPA of 2.5 or better at the time of graduation.