



Biology Major

credit min: 41-52

Biology Core I Courses (4 credit minimum)

		term	credits	Tally
BIO 105	Biological Concepts (NS) (XL)	B	4	_____
OR				
BIO 108	Honors: Concepts in Biology (NS) (XL)	F	5	_____

Biology Core II Courses (18 credit minimum)

BIO 230	Biology of Animals (NS) (XL)	<i>pre-req: BIO 105</i>	B	4	_____
BIO 231	Biology of Plants (NS) (XL)	<i>pre-req: BIO 105</i>	B	4	_____
BIO 323	Molecular & Cell Biology	<i>pre-req: 105 + Chem105 or Chem 101,102 >=B</i>	B	3	_____
BIO 343	Genetics (NS)	<i>pre-req: BIO 323</i>	B	4	_____
BIO 349	Ecology & Evolution	<i>pre-req: BIO 105,104, ES 260</i>	B	3	_____
BIO 491	Senior Survey	<i>take last semester</i>	B	0	_____

Required Chemistry and Math Courses (13-15 credits)

CHEM 105	General Chemistry I (NS) (XL)	<i>pre/co-req: math 104</i>	B	5	_____
CHEM 106	General Chemistry II (NS) (XL)	<i>pre-req chem 105 or Chem 101&102 w/ an A</i>	B	5	_____
MATH 201	Applied Statistics	<i>pre-req: math 104</i>	B	3	_____
OR					
MATH 171	Calculus I	<i>pre-req: math 104</i>	B	5	_____
OR					
CompSci 221	Object Oriented Programming I		B	3	_____

Required Systems Biology Course (5 credits)

BIO 319	General Animal physiology (NS)	<i>pre-req: BIO 323</i>	F	5	_____
OR					
BIO 345	Experimental Plant biology (NS) tentative	<i>pre-req: BIO 105</i>	S	5	_____
OR					
BIO 450	Adv Microbiology: modern research approaches (NS)	<i>pre-req: BIO 309 OR 233</i>	S	5	_____

Electives: 9 credits minimum (choose from list on the back page)

This advising sheet does not establish nor constitute a contract between the University of Wisconsin Oshkosh and students enrolled at this institution. This advising sheet provides descriptive and summary information that outlines University rules, regulations, course listings, degree programs and fee schedules which are in effect at the time of publication. The University retains the exclusive right to change, modify, or interpret, at any time, the descriptions contained in this advising sheet. The University administration and faculty, with the concurrence of the Board of Regents and the administration of the University of Wisconsin System, also retain the right to change fees and add, modify, or withdraw courses or degree programs at any time	()	_____
	()	_____
	()	_____
	()	_____
	()	_____

course #	Course Names	Pre-requisites	term	credits
BIO 300	Bio internship	consent	F/S/Su	1-6
BIO 301	Micro Internship	consent	F/S/Su	1-6
BIO 302	EH internship	consent	F	1-6
BIO 303	Epidemiology	105 or consent	F	3
BIO 304	Plant Taxonomy	105 or consent	F	3
BIO 305	Biology of Mammals	105 or consent	S	3
BIO 306	Neurobiology	105	S	3
BIO 309	Bacteriology	105 + 106	F/S	5
BIO 312	Med Bact Lec	105 + 1 yr gen chem, 309, 323, 341	S	2
BIO 313	Med Bact Lab	105 + 1 yr gen chem, 309, 323, 341	S	2
BIO 314	Princ. Wildlife Mgmt	math 104, 349, ES 260, consent	S	3
BIO 315	Virology	323 or consent	S	3
BIO 316	Development & Stem Cells	323 or consent	S	3
BIO 318	Wildlife behavior & conservation	105 or ES 260 or consent	F	3
BIO 326	Freshwater Lakes, Rivers & Wetlands	105 + Chem105 + 106	F	3
BIO 327	Microb Ecology	105 + 231 or 233 or 309 or consent	F	3
BIO 328	Ornithology	105 + 230	S	3
BIO 332	Entomology	105 or consent	F	3
BIO 336	Freshwater Algae	231 or 233 or 309	F	3
BIO 338	Environmental tox	105 or consent	S	3
BIO 339	Pub hlth and Food Micro	309 + Chem106	F	3
BIO 341	Immunology	323 + Chem 106	F	3
BIO 354	Parasitology	105	S	3
BIO 360	biology special topics	105 or consent	B	2
BIO 372	Cancer Biology	323 + chem 106	S	3
BIO 374	Cell/Immunol Lab (mol lab)	323, 341, 372 + chem 106	F	3
BIO 375	Microb Genetics	309, 343	F	3
BIO 376	Pop Commun Eco	349 or consent	F	3
BIO 386	Global Change Biology	349, or consent	S	3
BIO 390	Applied Molecular techniques	309 or 323 or consent	S	2
BIO 445	SPECIAL topics EH	consent	F/S	1-3
BIO 446	Independent Study	3.0 GPA + 60cr + consent	F/S/Su	1-3
BIO 456	Related Readings	3.0 GPA + 60cr + consent	F/S/Su	1-3
BIO 474	Honors Thesis	Honors Program, 60cr	F/S/Su	1-6