

Biology Minor Requirements

Iowa State University

Have Questions About the Biology Minor?

Visit Student Services in 103 Bessey Hall
or call 515-294-1064

The biology minor adds a biological science focus to a student's program of study that can be tailored to their interest in life science. It requires completion of at least 15 credits of coursework, 9 of which must count only for the minor. **The following courses are required of all students wishing to complete a biology minor: BIOL 211, BIOL 211L, BIOL 212, and BIOL 212L (8 credits).** Seven additional credits should be selected from the following list to complete the minor:

Course #	Course Name	Credits	Course #	Course Name	Credits
BIOL 312	Ecology	4	BIOL 428	Topics in Cell Biology	3
BIOL 313	Principles of Genetics	3	BIOL 430	Principles of Plant Physiology	3
BIOL 313L	Principles of Genetics Lab	1	BIOL 434	Endocrinology	3
BIOL 314	Princ of Molecular Cell Biology	3	BIOL 436	Neurobiology	3
BIOL 315	Biological Evolution	3	BIOL 444	Intro to Bioinformatics	4
BIOL 322	Intro Bioinformatics	3	BIOL 451	Plant Evolution & Phylogeny	4
BIOL 328	Molec Cell of Human Disease	3	BIOL 454	Plant Anatomy	4
BIOL 335	Human & Animal Physiology	3	BIOL 455	Bryophyte and Lichen Biodiversity	3
BIOL 335L	Human & Animal Phys. Lab	1	BIOL 456	Principles of Mycology	3
BIOL 336	Ecol & Evol Animal Physiology	3	BIOL 457	Herpetology	2
BIOL 344	Human Reproduction	3	BIOL 457L	Herpetology Lab	1
BIOL 349	Genome Perspective in Biology	2	BIOL 458	Ornithology	2
BIOL 350	Comprehensive Human Anatomy	4	BIOL 458L	Ornithology Lab	1
BIOL 351	Comparative Chordate Anatomy	5	BIOL 459	Mammalogy	2
BIOL 352	Vertebrate Histology	4	BIOL 459L	Mammalogy Lab	1
BIOL 353	Introductory Parasitology	3	BIOL 462	Evolutionary Genetics	3
BIOL 354	Animal Behavior	3	BIOL 464	Wetland Ecology	3
BIOL 354L	Animal Behavior Lab	1	BIOL 465	Macroevolution	3
BIOL 355	Plants and People	3	BIOL 471	Intro Conservation Biology	3
BIOL 356	Dendrology	4	BIOL 472	Community Ecology	3
BIOL 357	Biology of Plants	3	BIOL 474	Plant Ecology	3
BIOL 358X	Bee Biology, Mngm't, Beekeeping	3	BIOL 476	Functional Ecology	3
BIOL 364	Invertebrate Biology	3-4	BIOL 480	Studies in Marine Biology	1-8
BIOL 365	Vertebrate Biology	4	BIOL 481	Summer Field Studies	1-8
BIOL 366	Plant Systematics	4	BIOL 482	Tropical Biology	1-4
BIOL 370	GIS for Ecology and Env't Sci	1-6	BIOL 483	Environmental Biogeochemistry	3
BIOL 371	Ecological Methods	3	BIOL 484	Ecosystem Ecology	3
BIOL 381	Environmental Systems I	3	BIOL 486	Aquatic Ecology	3
BIOL 382	Environmental Systems II	3	BIOL 486L	Aquatic Ecology Lab	1
BIOL 393	N. American Field Trips	1-4	BIOL 487	Microbial Ecology	3
BIOL 394	International Field Trips	1-4	BIOL 488	ID of Aquatic Organisms	1
BIOL 402	Introduction to Pathology	3	BIOL 489	Population Ecology	3
BIOL 414	Life History & Reprod Strategy	3	BIOL 490	Independent Study	1
BIOL 420X	Plant Molecular Biology	3	BIOL 491	Undergraduate Teaching Exp	1-2
BIOL 421X	Biology of Aging	3	BIOL 494	Biology Internship	1-3
BIOL 423	Developmental Biology	3	BIOL 495	Undergraduate Seminar	1-3
BIOL 423L	Developmental Biology Lab	1	BIOL 499	Undergraduate Research	1-3