

Biology Course Offerings

Course	Name	Prerequisites	Credits	Semester(s)	Comments
101	General Biology I		3	Fall, Spring, Summer	
102	General Biology II	BIOL 101, 111	3	Fall, Spring, Summer	
110	Liberal Arts Biology		3	Spring	Science CORE-No BIOL
111	General Biology Lab I	BIOL 101 (Pre- or corequisite)	1	Fall, J-Term, Summer	
112	General Biology Lab II	BIOL 101, 111, 102 (Pre- or corequisite)	1	Spring, Summer	
195	Special Topics in Biology		1 to 4	As needed	
205	Plant Biology Lec/Lab	BIOL 102 & 112	4	Fall	
210	Laboratory Techniques	BIOL 102 & 112	2	J-Term	
215	Ornithology	BIOL 102 & 112	3	As needed	
240 (PSYC240)	Psychology & Biology of Perception	PSYC 101; (Bio 102/112 for Bio majors, PSYC 101)	3		Either 240 or 241 for Biology credit.
242	Human Structure & Function I	BIOL 102 & 112; CHEM 102, 112 or 106	4	Fall, Summer	
243	Human Structure & Function II	BIOL 242	4	Spring, Summer	
251	Cell Biology	BIOL 102 & 112; CHEM 102 or 106	3	Fall, Spring, Summer	
252	Cell Biology Lab	BIOL 251 (Pre- or corequisite)	1	Fall, Spring	
265	Ecology	BIOL 102 & 112; CHEM 102 or 106	3	Fall, J-Term, Spring, Summer	
266	Ecology Lab	BIOL 265 (Pre- or corequisite)	1	Fall	
280 (ANTH280)	Evaluation of Human Disease	BIOL 102	3	As needed	
282	Genetics	BIOL 102 & 112; CHEM 102 or 106	3	Fall, J-Term, Spring, Summer	
283	Genetics Lab	BIOL 282 (Pre- or corequisite)	1	Fall, Spring, Summer	
284 (PSYC382)	Behavioral & Cognitive Neuroscience	BIOL 102 & 112	3		
296	Introduction to Research	BIOL 102 & 112. Permission. BIOL core highly recommended	1	Fall, Spring	Engaged Learning
302	General Microbiology Lec/Lab	BIOL 251 & 282	4	Spring, Summer	
303 (NEUR300)	Seminar in Neuroscience	NEUR 101	1	Fall, Spring	
304	Intro to Developmental Biology	BIOL 251	3	Spring, Summer	
307	Biology of Stem Cells	BIOL 251, BIOL 282	3	Spring	
310 (STAT310)	Categorical Data Analysis	STAT 203 or 335	3		
313 (PSYC311)	Lab in Psychobiology	BIOL 335 & NEUR 101; BIOL 240 or BIOL 284	3	Fall, Spring	
315	Introductory Immunology Lec/Lab	BIOL 251 & 282	4	Fall/ Spring	
316	Limnology Lec/Lab	BIOL 265; CHEM 102 or 106	4	As needed	
317	Models of Human Diseases	BIOL 251 & 282	3	Fall, Spring, Summer	
318	General Virology	BIOL 251 & 282	3	Fall	
319	Evolution	BIOL 282 (265 Recommended)	3	Fall, Spring	
320 (ANTH 320)	Animal Behavior	ANTH 101 or 103; or BIOL 102 & 112	3	Fall	
323	Comparative Anatomy Lab/Lec	BIOL 251 & 282	4	Spring	
325	Primateology- Behavior & Ecology	BIOL 102 & 112	3		
326 (ANTH326)	Human Osteology Lec/Lab	ANTH 101 or 103; or BIOL 102 & 112	4	Fall	Department Consent
327	Wetland Ecology	BIOL 265	4	As needed	
328	Conservation Biology	BIOL 265	3	As needed	
329	Winter Ecology	BIOL 265 or Permission of instructor	3	J-Term	
335 (STAT335)	Intro to Biostatistics	BIOL 102 & 112; MATH 132 or 162	3		
336 (STAT336)	Advanced Biostatistics	BIOL 335 or STAT 203	3		
337	Quantitative Methods in Bioinformatics	STAT 203 or 335	3	Spring	
340E (ENVS)	Natural History of Belize	BIOL 102 & 112	3	J-Term	
341	Histology Lec/Lab	BIOL 251 & 282	4	Spring	
342	Human Anatomy	BIOL 242, 243, 251 & 282; CHEM 222 or 224	4	As needed	
346 (WOST 346)	Biology of Women		3	As needed	Department Consent
347 (ENVS)	Bird Conservation and Ecology	ENVS 137 or BIOL 102	3	Spring	Jun-20
348 (ENVS)	Field Ornithology	ENVS 280 & 286; BIOL 265 & 266; BIOL 215 Recommended	3	Summer	
349 (ENVS)	Conservation and Sustainability of Neotropical Ecosystems	BIOL 265 or ENVS 280	3	Spring	Jun-20
350	Vertebrate Physiology Lec/Lab	BIOL 242, 243, 251, 282; CHEM 222 or 224	4	As needed	
351	Sleep and Circadian Rhythms	BIOL 251, & 282, NEUR 101	3	Fall	

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352	Neurobiology of Feeding in Health and Disease	BIOL 251, NEUR 101	3		
354	Mammalian Reproduction	BIOL 251	3	As needed	
355	Parasitology Lec/Lab	BIOL 251	4	As needed	
357	Neural Disease, Degeneration & Regeneration	BIOL 251, 282, NEUR 101	3	Fall	
358	Developmental Neurobiology Disc/Lec	BIOL 251 & 282, NEUR 101	3	Spring	
359	Paleopathology	BIOL 251 & ANTH 326 or BIOL 326	3		
360	Field Biology	BIOL 265; Permission	3	As needed	
362	Neurobiology	BIOL 251 & NEUR 101	3	Fall, Spring, Summer	
363	Entomology Lec/Lab	BIOL 265	4	As needed	
366	Cell Physiology & Biochemistry	BIOL 251 & CHEM 224 or 222	3	Fall/ Spring	
366L	Cell Physiology & Biochemistry Lab	Pre- co-requisite w/BIOL 366 or CHEM 351	2	Spring	
367	Bioimaging	BIOL 251, 282; PHYS 112 or 114	4	As needed	Instructor Permission
368	Plant Ecology Lec/Lab	BIOL 265	4	Spring	
369	Invertebrate Biology	BIOL 265	3	As needed	
370	Ichthyology Lec/Lab	BIOL 265	4	As needed	
373	Lab In Neuroscience I	BIOL 351; NEUR 101	3	Fall, Spring	
375	Aquatic Insects Lec/Lab	BIOL 265	4	In Rotation, Spring	
376	Sem In Molec/Cell Neuroscience	BIOL 282, 362	3	Fall, Spring	
377	Molecular Pathogenesis	BIOL 251, 282	3	Fall, Spring	
378	Dental Anthropology	BIOL 101 or ANTH 101		Spring	Jun-20
378B	Biological Topics for Bioethics Minor Capstone	2 science & 2 ethics course required	3	Fall, Spring	
379B	Biological Topics for Bioethics Minor Capstone	2 science & 2 ethics course required	3	Fall, Spring	
380	Genetics & Evolution of Development	BIOL 282	3	J-Term	
382	Molecular Genetics	BIOL 251, 282; CHEM 222 or 224	3	Fall, Spring	
383	Population Genetics	BIOL 282; MATH 132 or 162; Bio 235 (Rec)	3	As needed	
385	Prin Electron Microscopy lec/Lab	Permission. BIOL 341 recommended.	4	As needed	
387	Genomics	BIOL 282 & 283	3	Spring	
388	Bioinformatics	BIOL 282	3	Fall	
389	Introduction to Pharmacology	BIOL 243, 251, 282; CHEM 222 or 224	3	As needed	
390	Molecular Biology Lab	BIOL 251, 282 & 283; Chem 222 or 224	4	Fall, Spring	Engaged Learning
391	Forensic Molecular Biology Lec/Lab	BIOL 282, 283	5		Forensic Science Major
392	Metagenomics	BIOL 282	3	Fall	
395	Special Topics in Biology	Permission	3	As needed	
395L	Special Topics Laboratory	Permission	1-4	As needed	
396	Research	BIOL 296, Department consent	1-3	Fall, Spring, Summer	
397H	Honors Thesis	Senior status; Honors; Permission	3	Fall, Spring	
398	Internship in Biology	21 Hours in Biology; Cognates; Permission	1-3	Fall, Spring, Summer	
399	Individual Study	Permission	1-3	Fall, Spring, Summer	