

Biology Course Offerings

Course	Name	Prerequisites	Credits	Semester(s)	Comments
101	General Biology I	None	3	Fall, Spring, Summer	
102	General Biology II	BIOL 101 & 111	3	Fall, Spring, Summer	
110	Liberal Arts Biology	None	3	Spring	No Biology credit
111	General Biology I Lab	BIOL 101 (Pre- or Co-requisite)	1 (Lab)	Fall, J-Term, Summer	
112	General Biology II Lab	BIOL 101 & 111	1 (Lab)	Spring, Summer	
195	Special Topics in Biology	None	1-4	As Needed	BIOE or BIOM*
205	Plant Biology Lect/Lab	BIOL 102 & 112	4 (Lab)	Fall	BIOE
210	Laboratory Techniques	BIOL 102 & 112	2 (Lab)	J-term	
215 (ENVS 215)	Ornithology	BIOL 102 & 112	3	As Needed	BIOE
240 (PSYC 240)	Psych & Biol of Perception	BIOL 102 & 112; PSYC 101	3	Fall, Spring	Only 1 of 240/NEUR 101 for Biology
242	Human Structure & Function I	BIOL 102 & 112; CHEM 180 or 102, 112 or 106	4 (Lab)	Fall, Summer	
243	Human Structure & Function II	BIOL 242	4 (Lab)	Spring, Summer	
251	Cell Biology	BIOL 102 & 112; CHEM 180 or 102 or 106	3	Fall, Spring, Summer	
252	Cell Biology Laboratory	BIOL 251 (Pre- or Co-requisite)	1 (Lab)	Fall, Spring	BIOM
265	Ecology	BIOL 102 & 112; CHEM 180 or 102 or 106	3	Fall, J-Term, Spring, Summer	
266	Ecology Laboratory	BIOL 265 (Pre- or Co-requisite)	1 (Lab)	Fall	BIOE
280 (ANTH 280)	Evolution of Human Disease	BIOL 102	3	Spring	
281 (ANTH 281)	Evolution of the Human Diet	ANTH 101	3	As Needed	
282	Genetics	BIOL 102 & 112; CHEM 180 or 102 or 106	3	Fall, J-Term, Spring, Summer	
283	Genetics Laboratory	BIOL 282 (Pre- or Co-requisite)	1 (Lab)	Fall, Spring, Summer	BIOM
284 (PSYC 382)	Behavioral and Cognitive Neuroscience	NEUR 101	3	As Needed	
296	Introduction to Research	BIOL 102 & 112; Permission; BIOL core highly recommended	1	Fall, Spring, Summer	Max of 2 credits BIOE or BIOM* Engaged Learning
302	General Microbiology Lec/Lab	BIOL 251 & 282	4 (Lab)	Spring, Summer	BIOM
303 (NEUR 300)	Seminar in Neuroscience	NEUR 101; restricted to NRSC-MINR, NRCB-BS, NRMCMC-BS	1	Fall, Spring	
304	Intro to Developmental Biology	BIOL 251	3	Spring, Summer	
307	Biology of Stem Cells	BIOL 251 & 282	3	Spring	BIOM
310 (STAT 310)	Categorical Data Analysis	BIOL 335 or STAT 203 or 335	3	Spring	
313 (PSYC 311)	Lab in Psychobiology	(BIOL/STAT 335 or PSYC 304) and (NEUR 101, BIOL/PSYC 240, or BIOL 284/PSYC 382)	3 (Lab)	Fall, Spring	
315	Introductory Immunology Lec/Lab	BIOL 251 & 282	4 (Lab)	Fall	BIOM
316	Limnology Lec/Lab	BIOL 265; CHEM 180 or 102 or 106	4 (Lab)	As Needed	BIOE
317	Models of Human Disease	BIOL 251 & 282	3	Fall, Spring, Summer	BIOM
318	General Virology	BIOL 251 & 282	3	Fall	BIOM
319	Evolution	BIOL 282; 265 (Recommended)	3	Fall, Spring	BIOE or BIOM WI
320	Animal Behavior	ANTH 101 or 103; or BIOL 102 & 112	3	As Needed	BIOE

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323	Comparative Anatomy Lec/Lab	BIOL 251 & 282	4 (Lab)	Spring Alternating years	
325 (ANTH 325)	Primatology-Behavior & Ecology	BIOL 102 & 112	3	Spring	BIOE
326 (ANTH 326)	Human Osteology Lec/Lab	ANTH 101 or 103; BIOL 102 & 112	4 (Lab)	Fall	
327	Wetland Ecology	BIOL 265	4 (Lab)	As Needed	BIOE
328	Conservation Biology	BIOL 265	3	As Needed	BIOE
329 (ENVS 319)	Winter Ecology	BIOL 265 or Permission	3	J-Term	BIOE Engaged Learning
330	Global Change Biology	BIOL 265 or ENVS 280	3	Spring	BIOE
335 (STAT 335)	Intro to Biostatistics	BIOL 102 & 112; Math 132 or 162 (Pre- or Co-requisite) or 162A	3	Fall, Spring, Summer	BIOE
336 (STAT 336)	Advanced Biostatistics	STAT 203 or 335	3	Fall, Spring	
337 (STAT 337)	Quantitative Methods in Bioinformatics	STAT 203 or 335	3	Spring	
340 (ENVS 340)	Natural History of Belize	BIOL 102 & 112	3 (Lab)	J-Term	
341	Histology Lec/Lab	BIOL 251 & 282	4 (Lab)	Spring	
342	Human Anatomy	BIOL 242, 243, 251, 282; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	4 (Lab)	As Needed	
346 (ANTH 346)	Biology of Women	None	3	As Needed	
347 (ENVS 267)	Bird Conservation and Ecology	BIOL 102 or ENVS 137	3	Spring	BIOE
348 (ENVS 369)	Field Ornithology	BIOL 265 & 266 or ENVS 280 & 286	3	Summer	BIOE Engaged Learning
349 (ENVS 345)	Conservation and Sustainability of Neotropical Ecosystems	BIOL 265 or ENVS 280	3	Spring	BIOE
350	Vertebrate Physiology Lec/Lab	BIOL 242, 243, 251, 282; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	4 (Lab)	As Needed	
351	Sleep/Circadian Rhythms	BIOL 251, 282; NEUR 101	3	Fall	BIOM
352	Neurobiology of Feeding in Health and Disease	BIOL 251; NEUR 101	3	Spring	
354	Mammalian Reproduction	BIOL 251	3	As Needed	
355	Parasitology Lec/Lab	BIOL 251	4 (Lab)	As Needed	BIOE
356	The Evolution of Animal Sex	BIOL 251 & 282	3	Fall	
357	Neural Disease, Degeneration, and Regeneration	BIOL 251, 282; NEUR 101	3	Fall	
358	Developmental Neurobiology	BIOL 251, 282; NEUR 101	3	Spring	
359 (ANTH 359)	Paleopathology	BIOL 251; BIOL/ANTH 326	3	As Needed	
360	Field Biology	BIOL 265	3	As Needed	BIOE
362	Neurobiology	BIOL 251; NEUR 101	3	Fall, Spring, Summer	
363	Entomology Lec/Lab	BIOL 265	4 (Lab)	As Needed	BIOE
365	Writing A Scientific Manuscript	BIOL 102 & 112	3	J-Term	Writing Intensive
366 (CHEM 361)	Cell Physiol & Biochem	BIOL 251; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	3	Fall, Spring, Summer	BIOM (or CHEM 370+371)
366L	Cell Physiology & Biochemistry Lab	BIOL 366 or CHEM 361 (Pre- or Co-requisite)	2 (Lab)	Spring	BIOM
367	Bioimaging	BIOL 251, 282; PHYS 112 or 114	4 (Lab)	As Needed	

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368	Plant Ecology Lec/Lab	BIOL 265	4 (Lab)	Spring	BIOE
369	Invertebrate Biology	BIOL 265	3	As Needed	BIOE
370	Ichthyology Lec/Lab	BIOL 265	4 (Lab)	As Needed	BIOE
373 (NEUR 301) (PSYC 388)	Laboratory in Neuroscience I	BIOL 251; NEUR 101; restricted to NRSC-MINR, NRCB-BS, NRMC-BS	4 (Lab)	Fall, Spring	Engaged Learning
375	Aquatic Insects Lecture & Laboratory	BIOL 265	4 (Lab)	As Needed	BIOE
376	Seminar in Molecular/Cellular Neuroscience	BIOL 282 & 362	3	Fall, Spring	BIOM
377	Molecular Pathogenesis	BIOL 251 & 282	3	Fall, Spring	BIOM
378 (ANTH 327)	Dental Anthropology	BIOL 101 or ANTH 101	3	Spring	
378B	Biological Topics for Bioethics Minor Capstone	2 prior science courses & 2 prior ethics courses	3	Fall, Spring	Must have BIOL Faculty for credit
379B	Biological Topics for Bioethics Minor Capstone	2 prior science courses & 2 prior ethics courses	3	Fall, Spring	Must have BIOL Faculty for credit
380	Genetics and Evolution of Development	BIOL 282	3	J-Term	BIOM
381	Epigenetics	BIOL 251, 282; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	3	Fall	BIOM
382	Molecular Genetics	BIOL 251 & 282; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	3	Fall, Spring	BIOM
383	Population Genetics	BIOL 282; Math 132 or 162; BIOL 265 (Recommended)	3	As Needed	BIOM
384	Microbial Pathogenesis of Infectious Disease	BIOL 251, 282	3	Fall	BIOM
385	Prin Electron Microscopy Lec/Lab	BIOL 251; BIOL 341 (Recommended)	4 (Lab)	As Needed	
387	Genomics	BIOL 282 & 283	3	Spring	BIOM
388 (COMP 381)	Bioinformatics	BIOL 282	3	Fall	BIOM
389	Introduction to Pharmacology	BIOL 243, 251, 282; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	3	As Needed	
390	Molecular Biology Laboratory	BIOL 251, 282, 283; (CHEM 240 pre-req & CHEM 260 co-req) or 222 or 224	4 (Lab)	Fall, Spring	BIOM Engaged Learning & WI
391 (FRSC 371)	Forensic Molecular Biology Lecture and Lab	BIOL 282, 283; restricted to FRSC-BS	5 (Lab)	Spring	BIOM
392	Metagenomics	BIOL 282	3	Fall	Engaged Learning
395	Special Topics in Biology	Permission	3	Fall, Spring	BIOE or BIOM*
395L	Special Topics Laboratory	Permission	1-4 (Lab)	As Needed	BIOE or BIOM*
396	Research	BIOL 296 (min 1credit); Permission	3 (Lab)	Fall, Spring, Summer	BIOE or BIOM* Engaged Learning
398	Internship in Biology	Permission	1-3 (Lab)	Fall, Spring, Summer	BIOE or BIOM* Engaged Learning
399	Individual Study	Permission	1-3	Fall, Spring, Summer	BIOE or BIOM*

*: Must be topic (ecology or molecular biology) specific.