

Biology Course Offerings

Course	Name	Prerequisites	Credits	Semester(s)	Comments
101	General to Biology I		3	Fall & Summer	
102	General to Biology II	Bio 101 & 111	3	Spring & Summer	
109	Intro to Biological Basis of Health & Illness		3	Fall	Nursing Only
110	Biology through Art	None	3	Spring	Science CORE-No Bio credit
111	General to Biology Lab I	Biology 101 (Pre- or corequisite)	1	Fall & Summer	
112	General to Biology Lab II	Biology 102 (Pre- or corequisite)	1	Spring & Summer	
152	Human Anatomy & Physiology I		4	Fall & Summer	No Biology credit
153	Human Anatomy & Physiology II	BIO 152	4	Spring & Summer	No Biology credit
205	Plant Biology	Bio 102 & 112	4	Fall	
209	Biological Basis of Health & Illness	Bio 109	3	Fall	Nursing Only
210	Laboratory Techniques	Bio 102 & 112	2	Fall	
215	Ornithology	Bio 102 & 112	3	Alternating years	
240 (PSYC 240)	Psychology & Biology of Perception	PSYC 101; (Bio 102/112 for Bio majors)	3	Fall & Spring	Either 240 or 241 for Biology credit.
241 (PSYC 305)	Brain & Behavior	Bio 102 & 112	3	Fall & Spring	Either 240 or 241 for Biology credit.
242	Human Structure & Function I	Bio 102 & 112; CHEM 102 or 106	4	Fall	
243	Human Structure & Function II	Bio 242	4	Spring	
251	Cell Biology	Bio 102 & 112; Chem 102 or 106	3	Fall, Spring, Summer	
252	Cell Biology Lab	Bio 251 (Pre- or corequisite)	2	Fall & Spring	
265	Ecology	Bio 102 & 112; Chem 102 or 106	3	Fall, Spring, Summer	
266	Ecology Lab	Bio 265 (Pre- or corequisite)	2	Fall, Spring, Summer	
280 (ANTH 280)	Evolution of Human Disease	Anth 101 or NTSC 104; or BIOL 102, 112; Permission	3	Fall	
282	Genetics	Bio 102 & 112; Chem 102 or 106	3	Fall, Spring, Summer	
283	Genetics Lab	Bio 282 (Pre- or corequisite)	2	Fall & Spring	
296	Introduction to Research	Bio 102 & 112. Permission. BIOL core highly recommended	1	Fall & Spring	
300	Seminar	5 courses in Biology; Permission	1		
302	General Microbiology	Bio 251 & 282	4	Spring	
303 (NEUR 300)	Neuroscience Seminar	Bio 102; PSYC 101	1	Fall & Spring	
304	Developmental Biology	Bio 251	3	Fall & Spring	
310 (STAT 310)	Categorical Data Analysis	Bio 335 or STAT 203	3	Fall	
313 (PSYC 311)	Lab in Psychobiology	Bio 102 & 112; PSYC 306 & 240 or 305	3	Spring	
314	Advanced Microbiology	Bio 302; Chem 222 or 224	3		
315	Immunology	Bio 251 & 282	4	Fall	
316	Limnology	Bio 265; Chem 102 or 106	4	Fall (Alternating years)	
317	Biology of Persistent Diseases	Bio 282 & 302; Chem 222 or 224	3	Alternating years	
319	Evolution	Bio 282 & 265 (Recommended)	3	Spring	
320 (ANTH 320)	Animal Behavior	Anth 101 or 103; or Bio 102 & 112	3	Alternating years	
323	Comparative Anatomy	Bio 251 & 282 (265 Recommended)	4	Spring (Alternating years)	
325 (ANTH 325)	Primateology	Anth 101 or 103; or Bio 102 & 112	3		
326 (ANTH 326)	Human Osteology	Anth 101 or 103; or Bio 102 & 112	4	Fall	
327	Wetlands Ecology	Bio 265	4	Fall (Alternating years)	
328	Conservation Biology	Bio 265	3	Spring	
335	Biostatistics	Bio 102 & 112; Math 132 or 162	4	Fall & Spring	
336	Advanced Biostatistics	Bio 335 or STAT 203	3		
337	Quantitative Bioinformatics	STAT or BIOSTAT 335 or Stat 203	4		
341	Histology	Bio 251 & 282	4	Fall	
342	Human Anatomy	Bio 243, 251 & 282	4	Fall	
345	Sociobiology	Bio 265 & 282	3	Alternating years	
346 (WOST 346) (ANTH 346)	Biology of Women	Bio 102, 282	3	Fall	
350	Vertebrate Physiology	Bio 243, 251 & 282; Chem 222 or 224	4	Spring	
352	Mammalian Endocrinology	Bio 243, 251 & 282	3	Alternating years	
354	Mammalian Reproduction	Bio 251 & 282	3	Alternating years	
355	Parasitology	Bio 251	4	Alternating years	
358	Developmental Neurobiology	Bio 251 & 282	3	Fall	
359	Paleopathology	Bio 251	3		
360	Field Biology	Bio 265; Permission	3	Fall	
362	Neurobiology	Bio 251	3	Fall	
363	Entomology	Bio 265	4	Fall (Alternating years)	

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364	Medical/Vet Entomology	Bio 265	4	Fall (Alternating years)	
366 (CHEM 361)	Biochemistry	Bio 251 & 282; Chem 222 or 224	3	Spring	
366L	Biochemistry Lab	Pre- co-requisite w/Biol 366	2	Spring	
367	Bioimaging	Bio 251, 282; Phys 112 or 114	4		
368	Plant Ecology	Bio 265	4	Spring	
369	Invertebrate Biology	Bio 265	3	Spring	
370	Ichthyology	Bio 265	4	Fall (Alternating years)	
371	Marine Biology	Bio 265	4	Spring (Alternating years)	
372	Lake Michigan Biology	Bio 265; Chem 102 or 106	4	Summer	
373 (NEUR 301)	Lab In Neuroscience I	Bio 362; PSYC 240/305	3	Fall	
374 (NEUR 302)	Lab In Neuroscience II	Bio 373	3	Spring	
375	Aquatic Insects	Bio 265	4	Spring (Alternating years)	
376	Sem In Molec/Cel Nuroscience	Bio 251, 282, 262	3	Spring	
377	Molecular Pathogenesis	Bio 282	3	Fall, Spring	
380	Genetics & Evolution of Development	Bio 282	3	Alternating years	
382	Molecular Genetics	Bio 251 & 282; Chem 222 or 224	3	Fall & Spring	
383	Population Genetics	Bio 282; Math 132 or 162; Bio 335 (Rec)	3		
385	Electron Microscopy	Permission. Bio 341 recommended.	4	Alternating years	
387	Genomics	Bio 282 & 283	3		
388	Bioinformatics	282	3	Fall	
389	Pharmacology	Bio 243, 251, 282; Chem 222 or 224	3	Spring	
390	Molecular Biology Lab	Bio 251, 282 & 283; Chem 222 or 224	4	Fall & Spring	
391	Forensic Molecular Biology Lab	Bio 282, 283	5	Spring	
393 (ESP 393)	Natural Resource Conservation	Bio 265	3	Spring	
395	Special Topics	Permission	1-4	Fall & Spring	
396	Research	Permission	3		
397H	Honors Thesis	Senior status; Honors; Permission	3	Fall & Spring	
398	Internship in Biology	21 Hours in Biology; Cognates; Permission	1-3	Fall & Spring	
399	Individual Study	Permission	1-3	Fall & Spring	