

Frequency of Biology Undergraduate Course Offerings*

STUDENTS MUST EARN A GRADE OF AT LEAST C-MINUS IN BIOL 1110/1111 & BIOL 1120/1121 BEFORE ENROLLING IN ANY UPPER DIVISION COURSE.

STUDENTS MUST EARN A GRADE OF AT LEAST C-MINUS IN PREREQUISITE COURSE(S).

Undergraduate Course	Fall	Spring	Summer	Irregular	Prereq (see notes above)	Notes
1110. General Biology I (3)	X	X	X		CHEM 1110	Honors section offered in Spring
1111. General Biology I Laboratory (1)	X	X	X		BIOL 1110	Pre or coreq
1120. General Biology II (3)	X	X	X		BIOL 1110	Honors section offered in Fall
1121. General Biology II Laboratory (1)	X	X	X		BIOL 1120	Pre or coreq
1230. Microbiology (3)	X	X	X			Not apply to major, minor in sciences
1231. Microbiology Laboratory (1)	X	X	X		BIOL 1230	Pre or coreq
2010. Anatomy and Physiology I (3)	X		X			Not apply to major, minor in biology; Can take I, II in any order
2011. Anatomy and Physiology I Lab (1)	X		X		BIOL 2010	Pre or coreq
2020. Anatomy and Physiology II (3)		X	X			Not apply to major, minor in biology; Can take I, II in any order
2021. Anatomy and Physiology II Lab (1)		X	X		BIOL 2020	Pre or coreq
3030. Principles of Animal Physiology (4)				X		
3050. General Ecology (3)				X		
3051. General Ecology Lab (2)	X			X	BIOL 3050	Prereq, not coreq
3072. Genetics (3)	X	X	X		BIOL 3130 or 3500	
3073. Genetics Laboratory (1)	X	X	X		BIOL 3072	Pre or coreq
3130. Cell Biology (3)	X	X	X		CHEM 1110	
3200. General Botany (4)	Odd yrs					
3500. Microbiology I: Fundamental Aspects (3)	X		X		CHEM 1120	
3505. General Microbiology Laboratory (2)	X		X		BIOL 3500	Pre or coreq
3550. Micro II: Medical & Applied Aspects (3)		X			BIOL 3500	
3610. Vertebrate Embryology (4)		X				
3620. Comparative Anatomy of Vertebrates (5)	X					
3730. Vertebrate Physiology (4)	X					
3751. Vertebrate Zoology (4)						
4000. Research I (1-3)	X	X	X			
4001. Research II (2-3)	X	X	X		BIOL 4000	
4050. Field Technique In Ecology (4)					Permission	
4053. Plant Ecology (4)	Odd yrs					
4054. Wetland Ecology (4)	Even yrs				BIOL 3050 & Permission	
4055. Ecological and Environmental Issues (3)				X		
4056. Tropical Ecology (4)				X		
4057. Large River Ecology (3)						Intersession
4060. Limnology (4)						
4071. Human Genetics (3)		X			BIOL 3072	
4091. Molecular Biotechnology (3)				X	BIOL 3072	

Undergraduate Course	Fall	Spring	Summer	Irregular	Prereq (see header above)	Notes
4100. Evolution (3)	X	X	X (Irreg)		BIOL 3072	
4150. Developmental Biology (3)		X			BIOL 3072, CHEM 3511	
4230. Plant Physiology (3)	Even yrs					
4241. Biogeography/GIS	X				BIOL 1121 or permission	ESCI 4241 cross-list
4245. Plant Systematics & Evolution (4)		X			BIOL 1121 or permission	
4300. Microbial Physiology (3)	2011			X	BIOL 3500, CHEM 3511	
4325. Microbial Genetics (3)					BIOL 3500, 3072	
4350. Microbial Biotechnology (3)				X	BIOL 3550, CHEM 3511	
4375. Mol Biol of Parasites & Their Vectors (4)		X			BIOL 3130 or 3550	
4380. Histology: Tissue and Organ Biology (4)		X				
4401. Plant Cell and Molecular Biology (3)				X	BIOL 3130, 3072	
4440. Pathogenic Bacteriology (3)		Even yrs			BIOL 3550, CHEM 3511	
4445. Immunology (3)	X	X	X		BIOL 3130 or 3500, CHEM 3511 or 3312	
4450. Microbial Ecology (3)	Even yrs				Permission	
4461. Advanced General Microbiology Lab (2)				X	BIOL 3505, 3550	
4465. Advanced Medical Microbiology Lab (2)	X				BIOL 3505, 3550	
4470. Molecular Genetics (4)	X				BIOL 3130 or 3500 and 3072	
4480. Cellular and Molecular Pharmacology (3)	X				BIOL 3130, CHEM 1120	
4501. Virology (3)	Odd yrs				BIOL 3130 or 3500 or 3550	
4503. Lab Techniques in Biochemistry (2)	X	X			CHEM 3501; BIOL/CHEM 4511	4511 pre or coreq
4504. Lab Techniques in Molecular Biology (2)		Even yrs			BIOL/CHEM 4512	Pre or coreq
4511. Biochemistry I (3)	X				CHEM 3312 or 3511	
4512. Biochemistry II (3)		X			BIOL/CHEM 4511	
4570. Practicum In Biology (3)	X	X	X		Permission	
4604. Animal Behavior (4)				X	Permission	
4610. Honors Senior Seminar (1)				X	Senior, Permission	
4630. General Endocrinology (3)		Odd yrs			BIOL 3030 or 3730	
4635. Neurobiology (3)		Odd yrs			BIOL 3130 or permission	
4640. Ornithology (4)		Even yrs				
4644. Ichthyology (4)	Odd yrs					
4651. Field Techniques of Vertebrate Zool (4-6)			X			Intersession
4730. Urban-Wildlife Ecology/Management (3)		Odd yrs			BIOL 3050	
4740. Mammalogy (4)	X					
4744. Herpetology (4)		Odd yrs				
4840. Invertebrate Zoology (4)					Permission	
4900. Entomology (4)	2011			X		

***Course scheduling & frequency information provided here is not binding and is subject to change.** (revised 2/2011)