

Dept	#	Name	Hours	Prereq	f	s	u
Biology elective options (choose 5 credits)							
BIO EN	4301	Intro to Modern Biomaterials	4	BIOL 2020		x	
BIO EN	5501	Biomolecular Engineering ^φ	3	CHEM 3510		x	
BIOL	3115	Computer Applications: Cell Biology Lab [‡]	2	PHYS 2020, BIOL 2020	--	--	--
BIOL	3215	Cell Lab	2	BIOL 2020	2nd		
BIOL	3230	Developmental Biology	3	BIOL 2010, 2020, 2030		x	
BIOL	3235	Developmental Biology Lab ^φ	3	BIOL 2020, 2030	x		
BIOL	3240	Intro Cell Neurobiology	3	BIOL 2020, PHYS 2020	x		
BIOL	3246	Basic Cellular Neurobiology Lab [‡]	2	none	--	--	--
BIOL	3247	Advanced Cellular Neurobiology Lab [‡]	2	none	--	--	--
BIOL	3310	Comparative Vert Morph	3	BIOL 2010, 2020	x		
BIOL	3315	Compar Vert Morph Lab	1	BIOL 2010, 2020	x		
BIOL	3320	Compar Physiol	3	BIOL 2010	x		
BIOL	3325	Comparative Physiology Lab	3	BIOL 2010, 2015, 3320		x	
BIOL	3350	Physiology of Plants [‡]	3	BIOL 2010, 2020	--	--	--
BIOL	3355	Physiology of Plants Laboratory [‡]	1	BIOL 2010	--	--	--
BIOL	3360	Vertebrate Embryology ^φ	3	BIOL 2010, 2325	x		
BIOL	3370	Microbial Biology	3	BIOL 2010		x	
BIOL	3820	Physical Princ in Biol	3	BIOL 1210, PHYS 2010, CHEM 1210	x		
BIOL	5011	Mathematical Biology I [‡]	3		--	--	--
BIOL	5012	Mathematical Biology II [‡]	3		--	--	--
BIOL	5030	Basic Immunology	3		x		
BIOL	5110	Molecular Biology and Genetic Engineering [‡]	3	CHEM 3510	--	--	--
BIOL	5120	Gene Expression	3	BIOL 2020, 2030	x		
BIOL	5140	Genome Biology	3	BIOL 2020, 2030		x	
BIOL	5210	Cell Structure & Function	3	BIOL 2020		x	
BIOL	5312	Human Dissection	1	Instructor's consent	x	x	
BIOL	5315	Adv Human Anatomy	3	BIOL 2325		x	
BIOL	5470	Stable Isotope Biogeochemistry and Ecology [‡]	3	BIOL 3410	--	--	--
BIOL	5475	Stable Isotope Biogeochemistry in Ecology Lab [‡]	3	Instructor's consent	--	--	--
BIOL	5540	Biochemistry of Membrane Processes [‡]	3	CHEM 3510	--	--	--
BIOL	5810	Nanoscience: Where Bio, Chem and Phys Intersect [‡]	3	CHEM 1220, PHYS 2220, BIOL 2020	--	--	--
CHEM	4800	Research	2		x	x	x
CHEM	4999	Honors Thesis	2		x	x	x
CHEM	5150	Bioinorganic Chemistry	2	CHEM 3100 + 3510		2nd	
CHEM	5430	Chem Biol of Proteins and Nucleic Acids ^φ	2	CHEM 3510		1st	
CHEM	5450	Biophysical Chemistry	2	CHEM 3510	2nd		
CHEM	5460	Protein Chemistry	2	CHEM 3510	2nd		
CHEM	5470	Nucleic Acid Chemistry	2	CHEM 2320		1st	
PHYS	4230	Molecular Motors ^φ	3	PHYS 2220		x	

[‡] : Uncertain when class is taught

^φ : Class is taught every other year