

***Green are newly added courses to the list, as of Fall 2027.			Offered:		
Course #	Course Title	Credits	Fall	Spring	Summer
Agriculture, Landscape & Environment					
ALE 2010	Introduction to Beekeeping	3		y	y
ALE 2020	Hands-on Beekeeping	3			y
ALE 2030	Bees and Beekeeping	3	new - not yet offered		
ALE 2060	Entomology and Pest Management	4	y		
ALE 2120	Weed Ecology & Management	3	y		
ALE 2170	Plant Pathology (crosslisted w/ P BIO 2170)	4	y		
ALE 2380	Commercial Plant Propagation	4		y	
ALE 2430	Forage and Pasture Management (crosslisted w/ ASCI 2240)	4	e.o.		
ALE 2540	Composting Ecology and Management	3		e.o.	
ALE 2560	Permaculture	3	y	y	y
ALE 3120	Advanced Agroecology	4	y		
ALE 3320	Biological Control	3		e.o.	
ALE 3680	Soil Ecology	4		y	
Animal Science					
ASCI 2110	Animal Anatomy	4	y		
ASCI 2120	General Physiology	3		y	
ASCI 2180	Applied Animal Health	3		y	
ASCI 2600	Zoos, Exotics & End. Spp	3	y		
ASCI 2700	SU: Wildlife Health & Conservation	3		y	
ASCI 3040	Advanced Animal Nutrition	4		y	
ASCI 3150	Physiology of Reproduction	3		y	
ASCI 3180	Endocrinology	3	y		
ASCI 3200	Lactation Physiology	3	has not been offered in 2 years		
Biomedical and Health Sciences					
BHSC 3420	Immunology	3		e.o.	
BHSC 3440	Immunology Lab	1		y	
BHSC 3810	Applied Molecular Biology	3	y		
BHSC 3820	Applied Molecular Biology Lab	1	y		
Biochemistry					
BIOC 3001	Fundamentals of Biochemistry	3	y	y	y
BIOC 3003	Fundamentals of Biochemistry Lab	1	y		
BIOC 3005	Biochemistry	3	y		
BIOC 3006	Biochemistry II	3		y	
BIOC 3007	Biochemistry Lab	3		y	
BIOC 3030	Adv Biochem Lab: Protein CURE	4	y		
BIOC 3063	Nutritional Biochemistry	3		y	
BIOC 3075	Adv. Biochemistry of Human Disease	3	y		
BIOC 3991	Biotechnology internship	3		y	
Biology					
BIOL 2100	Soundscapes and Behavior Research	4		y	
BIOL 2105	Introduction to Marine Science	3		y	
BIOL 2300	Vertebrate Zoology	3	y		
BIOL 2990	Intermediate Special Topics	variable		as needed	
BIOL 2991	Internship: Natural History Collections	variable	y	y	
BIOL 3100	Plant-Animal Interactions	3	has not been offered in 2 years		
BIOL 3105	Community Ecology	3	y		
BIOL 3160	Sociobiology	3	y		
BIOL 3165	Evolution	3		y	
BIOL 3200	Topics in Ecology & Evolution	3		as needed	
BIOL 3400	Topics in General Biology	3		as needed	

BIOL	3500	Neurodevelopment	3		y
BIOL	3505	Neurobiology	3		y
BIOL	3510	Model Systems in Neuroscience	3	y	y
BIOL	3530	Cell Biology and Disease	3	2024	2026
BIOL	3560	Developmental Biology	3	y	
BIOL	3565	Developmental Molecular Genetics	3		y
BIOL	3600	Topics in Cell and Developmental Biology	3		as needed
BIOL	3990	Special Topics	variable		as needed
BIOL	3991	Internship: [Natural History Collections]	variable	y	y
BIOL	4070	Sr Seminar in General Biology	1		y
BIOL	4075	Sr Seminar in Eco and Evo	1		y
BIOL	4080	Sr Seminar in Cell and Dev	1		y
BIOL	4135	Molecular Ecology	4	has not been offered in 2 years	
BIOL	4245	Mammalogy	4	y	
BIOL	4260	Population Genetics	4		y
BIOL	4400	Comparative Function of Vertebrate Anatomy	4		y
BIOL	4405	Comparative Physiology	4	y	
BIOL	4410	Physiology of Global Change	4		y
BIOL	4420	Topics in: Biology CUREs	4		y
BIOL	4630	Advanced Genetics Laboratory	4	y	y
BIOL	4635	Advanced Genetics & Proteomics Laboratory	4	has not been offered in 2 years	
BIOL	4990	Special Topics	variable		as needed
BIOL	6100	Computational Biology	4		y
Biomedical Engineering					
BME	3340	Computational Systems Biology	3		y
Communication Sciences & Disorders					
CSD	3810	Intro Cognitive Neuroscience	3	y	y
Environmental Sciences					
ENSC	2490	Climate Change II	4	y	
ENSC	4010	Recovery and Restoration of Altered Ecosystems	4	y	y
Forestry					
FOR	2570	Wildland Fire	3	y	
FOR	3230	Multi-Resource Silviculture	4	y	
FOR	3350	Forest Ecosystem Health	3	2025	2025
Geography					
GEOG	2250	Global Environmental Change	3	has not been offered in 2 years	
GEOG	3250	Topics in Global Change	3	has not been offered in 2 years	
Health					
HLTH	2000	Biology of Aging	3	2024	2026
HLTH	2070	Human Health and the Environment (xlist w/SEP)	3	y	y
Medical Laboratory Science					
MLS	3200	Hematology	4	y	
MLS	3300	Clinical Microbiology II	3	y	
Microbiology & Molecular Genetics					
MMG	2010	Microbiology and Infectious Diseases	4	y	
MMG	2040	Intro Molecular Genetics	3		y
MMG	2060	Intro Biomedical Research Methods	3		y
MMG	2114	Vaccines: Science and Ethics	3		2026
MMG	2700	Foundations in R for Life Sc.	3	new - not yet offered	
MMG	2990	Special Topics	variable		as needed
MMG	3010	Applied Cell & Molec Bio lab	4	y	
MMG	3110	Bacterial Genetics	3	y	
MMG	3200	Environmental Microbiology	3		e.o.

MMG	3210	Medical Microbiology	3	y	
MMG	3220	Medical Microbiology w/ Lab	4	y	
MMG	3230	Immunology	3	e.o.	
MMG	3250	Eukaryotic Virology	3	2024	
MMG	3270	Cancer Genetics	3	y	
MMG	3280	Oncogenomics	3	has not been offered in 2 years	
MMG	3300	Emerging Infectious Diseases	3	y	
MMG	3310	Survey of Bioinformatic databases	3	y	
MMG	3320	QR: Advanced Bioinformatics	3	y	
MMG	3330	Genetics and Genomics	3	y	
MMG	3350	Bioterrorism	3	e.o.	
MMG	3990	Special Topics	variable	as needed	
MMG	4990	Adv. Special Topics	variable	as needed	
Neuroscience					
NSCI	2100	Exploring Neuroscience w/ Lab	4	y	y
NSCI	2105	Exploring Neuroscience	3	y	y
NSCI	3220	Cellular Neurophysiology	3	y	y
NSCI	3230	Neurochemistry	3	has not been offered in 2 years	
NSCI	3250	Human Neuroanatomy	3	y	
NSCI	3500	Neuroregeneration	3	has not been offered in 2 years	
NSCI	4500	Diseases of the Nervous System	3	y	y
Nutrition & Food Sciences					
NFS	2114	Human Health in the Food System	3	y	
NFS	2143	Nutrition in the Lifecycle	3	y	y
NFS	2153	Principles of Food Technology	3	y	
NFS	2154	Principles of Food Technology Lab	1	y	
NFS	2163	Sports Nutrition	3	y	2026
NFS	2195	Foods for Planetary Health	3	e.o.	
NFS	2196	Foods for Planetary Health Lab	1	2025	
NFS	2210	Food Chemistry: Macronutrients	4	new - not yet offered	
NFS	2410	Food Analysis	4	new - not yet offered	
NFS	3150	Nutrition: Behavior and Brain	3	new - not yet offered	
NFS	3203	Food Microbiology	3	y	y
NFS	3204	Food Microbiology Lab	1	y	
NFS	3210	Food Chemistry: Micronutrients	4	new - not yet offered	
NFS	3243	Advanced Nutrition	3	y	y
NFS	3244	Advanced Nutrition II	3	new - not yet offered	
NFS	3254	Global Food Safety	3	e.o.	
NFS	3255	Nutrition, Genes, and Gut	3	new - not yet offered	
Pathology					
PATH	2010	Intro to Human Disease	3	y	
Pharmacology					
PHRM	3000	Medical Cannabis	3	y	
PHRM	3010	Pharmacology & Therapeutics	3	y	
PHRM	3720	Toxicology	3	2027	
PHRM	3900	Topics in Molecular and Cellular Pharmacology	3	2027	
PHRM	5400	Molecules and Medicine	3	y	
Plant Biology					
PBIO	2040	Plant Physiology	4	y	
PBIO	2084	Intro to Ethnobotany	3	y	
PBIO	2090	Plant Systematics	4	y	
PBIO	2170	Plant Pathology (crosslisted w/ PSS)	4	y	
PBIO	2330	SU: How Plants Can Save the World	3	2024	

PBIO	2440	Nature-based Climate Solutions	3	y	
PBIO	2770	Biology of Fungi	4	y	y
PBIO	2890	Ecuador: Natural History	3	y	
PBIO	2990	Special Topics	variable	as needed	
PBIO	3000	Evolution of Plant Sex	3	y	
PBIO	3077	Regulation of Root Architecture	3	2025	
PBIO	3220	Ecological Invasions	3	2026	
PBIO	3320	Plant Systematics in Costa Rica	1	e.o.	
PBIO	3440	Community Climate Solutions	3		2027
PBIO	3750	Global Change Ecology	3		2025
PBIO	3880	Evolution of Development	3	has not been offered in 2 years	
PBIO	3940	Modeling of Ecological Systems	3	2026	
PBIO	3990	Special Topics	variable	as needed	
Psychological Science					
PSYS	2200	Biopsychology	3	y	y y
PSYS	3202	Physiological Psychology	3	has not been offered in 2 years	
PSYS	3205	Hormones and Behavior	3	y	2027
PSYS	3210	Behavioral Genetics	3	y	
PSYS	3250	Psychopharmacology	3	y	y y
Sustainability, Ecology, and Policy					
SEP	2070	Human Health and the Environment	3	y	y
SEP	4200	Landscape Ecology	3	2024	
SEP	4280	Ecosystem Ecology	3		2027
SEP	4500	Limnology	4	y	
SEP	4800	Stream Ecology	4		y
Statistics					
STAT	3000	Medical Biostatistics & Epidemiology	3	y	y
Wildlife & Fisheries Biology					
WFB	2300	Ornithology	3		y
WFB	2310	Field Ornithology	2		y
WFB	2400	Herpetology	3		y
WFB	2410	Field Herpetology	4		y
WFB	2740	Principles of Wildlife Management	3	y	2026
WFB	3100	Wildlife Disease Ecology	3	2025	
WFB	3240	Conservation Biology	4		y y
WFB	3610	Fisheries Biology and Techniques	4	y	
WFB	4320	Ichthyology	3		y
WFB	4610	Fisheries Management	3		e.o.
WFB	4750	Wildlife Behavior	3	y	
WFB	4830	Terrestrial Wildlife Ecology	4		y
Category C: Research and Other Opportunities					
BCOR	3000	Biology in Practice (can be applied to major twice)	1	y	y
Teaching Assistantships:					
ALE	2994			y	y
ALE	3994			y	y
ASCI	2994			y	y
ASCI	3994			y	y
BCOR	3994			y	y
BCOR	4994	Fall 2027: will change to Independent TAsip, for 3 credits.		y	y
BHSC	2994			y	y
BHSC	3994			y	y

BIOC 3994			Y	Y	
BIOL 4994			Y	Y	
MMG 2994			Y	Y	
MMG 3994			Y	Y	
NSCI 4994			Y	Y	
PBIO 3994			Y	Y	
PSYS 3994			Y	Y	
Undergraduate Research:					
ALE 2995			Y	Y	
ALE 3995			Y	Y	
ASCI 2995			Y	Y	
ASCI 3995			Y	Y	
BCOR 2995			Y	Y	
BCOR 3995			Y	Y	
BHSC 2995			Y	Y	
BHSC 3995			Y	Y	
BIOC 2995				Y	
BIOC 3995			Y	Y	
BIOL 2995			Y	Y	
BIOL 3995			Y	Y	
BIOL 4996			Y	Y	
EMED 3000	Emerg. Medicine Research I	4	Y	Y	2025
EMED 3010	Emerg. Medicine Research II	4	Y	Y	
EMED 3200	Emerg. Medicine Research III	3	Y	Y	
EMED 3995			Y	Y	
FOR 2995			Y	Y	
FOR 3995			Y		
MMG 2995			Y	Y	
MMG 3995			Y	Y	
NSCI 2995			Y	Y	
NSCI 3995			Y	Y	
PBIO 2995			Y	Y	
PBIO 3995			Y	Y	
PBIO 4996			Y	Y	
PHRM 3995			Y	Y	
PSYS 2995			Y	Y	
WFB 2995			Y	Y	
WFB 3995			Y	Y	

