## **BIOLOGY MAJOR**

## **DOMAIN GENERAL EDUCATION (10 courses Required):**

Domain II B is satisfied through completion of the Biology major, leaving ten courses to be completed to satisfy the remaining general education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet general education requirements.

Common Core:	A. ENWR 110 Composition 2		
	B. MATH XXX		
Domain I:	A. Creative Arts		
	B. Humanities		
	C. Language		
Domain II:	A. Analysis, Modeling, Problem-Solving		
2 0111111	B. Sciences (two; one must be a lab science) X		
Domain III:	A Demonstration on the Dest		
Domain III:	A. Perspectives on the Past B. Perspectives on Contemp. World		
	C. Global Comp., Eth. Reas., Human Div.		
BIOLOGV MAIO	OR AND RELATED COURSES:		
	Related Core Courses (12):		
BIOL 125	The Biology Experience		
BIOL 135/135L	Foundations of Biological Science with Lab		
BIOL 208/208L	Genetics with Lab		
	onal Communication in Biology		
BIOL 262/262L	Molecular Biology with Lab		
BIOL 402	Processes of Organic Evolution		
CHEM 107/107L	Principles of Chemistry with Lab		
CHEM 108/108L	Principles of Chemistry and Quantitative		
	Analysis with Lab		
CHEM 207/207L 0	Organic Chemistry I with Lab		
MATH 180	Precalculus (CCM)*		
MATH 208	Biostatistics OR		
ENVS 202	Data Analysis for Scientists		
*Student proficient	t at the precalculus level should enroll in MATH219 Calculus 1 to		
	Domain Common Core Math Requirement.		
<b>Biology Major (</b>	Capstone:		
BIOL460	Research Experience in Biology**		
**An original resear	ch project is required of all Biology Majors. Prior to enrollment in BIOL469		
1	in Biology, the student should meet with their academic advisor and with other		
Biology faculty to tailor the research project to the student's interests and career goals.			
Additional Biology electives, General Biology Concentration:			
Students must take an additional six (6) courses (one of these courses must focus on			

plants and one on animals):.

One (1) Course from Group A: Cellular and Molecular Biology Electives

BIOL 228/228LMicrobiology with LabBIOL 260/260LCellular Biology with Lab

BIOL 356	Biology of Cancer	
BIOL 381	Theories of Infectious Diseases	
BIOL 400	Trends in Biotechnology	
BIOL 426	Human Immunity	
BIOL 432	Vertebrate Development	
	rinciples of Biochemistry with Lab or	
	L Biochemistry I with Lab	
	om Group B: Organismal Diversity Electives	
BIOL 203 Plants an		
BIOL 212/212L	Wildlife Specimen Preparation Techniques	
BIOL 232/232L	Invertebrate Zoology with Lab	
BIOL 251/251L	Vascular Plant Taxonomy with Lab	
BIOL 320/320L	Animal Behavior with Lab	
BIOL 323	Biology and Conservation of Crocodiles	
BIOL 236/236L	Ornithology with Lab	
* This course may	not be used as a required plant course	
	Following Group of Courses:	
BIOL 344/344L	Animal Physiological Ecology* w/Lab	
BIOL 235/235L	Principles of Human Physiology* w/Lab	
BIOL 242/242L	Human Anatomy and Physiology II* w/Lab	
BIOL 255/255L	Plant Physiology w/Lab	
*Only one of these	courses may be taken in order to receive Biology c	redit.
	up D: Ecological and Evolutionary Biology Elec	
BIOL 233/233L	Comparative Vertebrate Anatomy with Lab	
DIOL 040/0401		
BIOL 248/248L	Principles of Ecology with Lab	
BIOL 248/248L BIOL 291	Principles of Ecology with Lab Principles of Tropical Ecology	
	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab	
BIOL 291	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab	
BIOL 291 BIOL 321/321L	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab	
BIOL 291 BIOL 321/321L BIOL 335/335L	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 Two (2) additional	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics Courses from Group A-E*	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 Two (2) additional * Group E: Advan	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics I Courses from Group A-E* aced Biology Electives	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 <b>Two (2) additional</b> * <b>Group E: Advar</b> BIOL 490 Independ	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics I Courses from Group A-E* aced Biology Electives dent Study in Biology	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 <b>Two (2) additional</b> * <b>Group E: Advar</b> BIOL 490 Independ BIOL 495 Internshi	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics I Courses from Group A-E* Iced Biology Electives dent Study in Biology ip in Biology	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 <b>Two (2) additional</b> * <b>Group E: Advar</b> BIOL 490 Independ	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics I Courses from Group A-E* Iced Biology Electives dent Study in Biology ip in Biology	
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BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 Two (2) additional * Group E: Advar BIOL 490 Independ BIOL 495 Internshi FREE ELECTIVES FREE ELECTIVES For students who p the following course CHEM 300/300L	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics <b>I Courses from Group A-E*</b> <b>Iced Biology Electives</b> dent Study in Biology ip in Biology (4): 	
BIOL 291 BIOL 321/321L BIOL 335/335L BIOL 341/341L BIOL 393 Two (2) additional * Group E: Advar BIOL 490 Independ BIOL 495 Internshi FREE ELECTIVES *For students who p the following course CHEM 300/300L MATH219	Principles of Tropical Ecology and Conservation: Field Study Limnology with Lab Principles of Wildlife Biology with Lab Marine Biology with Lab Wildlife Management and Conservation Topics Courses from Group A-E* aced Biology Electives dent Study in Biology ip in Biology (4): 	
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