### **BIOLOGY MAJOR**

## **General Biology Concentration**

This worksheet is a guide to <u>supplement</u> your degree audit in Degree Works. All students need 32 FSU course-credits to graduate. For students who change majors or enter FSU with transfer credits your degree audit may appear differently, as previous coursework could fulfill Domains and Free Electives. Please see your Advisor and/or The Advising Center with any questions.

#### **DOMAIN GENERAL EDUCATION (11 Courses Required):**

The FSU General Education program consists of 11 requirements. In the Biology major Domain II-B is satisfied through completion of the major (X). One (1) additional subdomain is met by a specific course in the major (see below), leaving *nine (9) 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. Please refer to the catalog (p. 256) for full information.

Common Core		
	A. ENWR 110 Composition II	
	B. MATH/STAT XXX (credit-bearing): MATH 180*	
<u>Domain I</u>		
	A. Creative Arts:	
	B. Humanities:	
	C. Language:	
Domain II	A. Analysis, Modeling, Problem-Solving	
	B. Natural Sciences (2): Non-Lab Science:	
X	Lab Science	
Domain III		
	A. Perspectives on the Past:	
	B. Perspectives on Contemporary World:	
	C. Global Competency, Ethical Reasoning,	
	and/or Human Diversity:	

X = Fulfilled through completion of major

## **MAJOR COURSES (18):**

Required Cor	e Courses (11):				
	BIOL 125	The Biology Experience			
	BIOL 135/135L	Foundations of Biological Science with Lab			
	BIOL 208/208L	Genetics with Lab			
	BIOL 230	Professional 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	Organic Chemistry I with Lab			
	MATH 180	Precalculus* (CC-B) **			
	STAT 208	Biostatistics			
	<u>or</u> ENVS 202	Data Analysis for Scientists			
V	eneral Education requir ostone Course (1):				
	BIOL 460	Research Experience in Biology**			
in BIOL469 Re academic advi	esearch Experience in E	uired of all Biology Majors. Prior to enrollmen Biology, the student should meet with their ogy faculty to tailor the research project to the			
General Biolo One course mu	ogy Concentration (6): ust focus on plants and of	one on animals.			
One (1) Course from Group A (see below)					
One (1) Course from Group B (see below)					

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<sup>\* =</sup> Required course in the major

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One (1) Course from the following Group C 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				
	255/255L	Plant Physiology w/Lab				
		,				
*Only one of these cour	*Only one of these courses may be taken in order to receive Biology credit.					
One (1) Course from Group D (see below)						
Two (2) additional courses from Groups A-E (see below)						
FREE ELECTIVES	S (1-5): May	be used toward a minor				
Group A: Cellular and	d Molecular F	Biology Electives				
BIOL 218/218L		to Bioinformatics with Lab				
BIOL 228/228L	Microbiology					
BIOL 260/260L		ogy with Lab				
BIOL 356	Biology of C					
BIOL 381		nfectious Diseases				
BIOL 400	Trends in Bio					
BIOL 426	Human Imm					
BIOL 432	Vertebrate D					
CHEM 300/300L		Biochemistry with Lab				
<i>or</i> CHEM 301/301L	Biochemistry					
		, =				
Group B: Organismal	Diversity Ele	ectives				
BIOL 203	Plants and So					
BIOL 212/212L		cimen Preparation Techniques				
BIOL 232/232L		Zoology with Lab				
BIOL 236/236L	Ornithology					
BIOL 251/251L		nt Taxonomy with Lab				
BIOL 320/320L		vior with Lab				

Biology and Conservation of Crocodiles

BIOL 323

# Group C: Physiology Electives

BIOL 235/235L	Principles of Human Physiology with Lab*
BIOL 241/241L	Human Anatomy and Physiology I with Lab*
BIOL 242/242L	Human Anatomy and Physiology II with Lab
BIOL 255/255L	Plant Physiology with Lab
BIOL 269	Sex, Brains, and Hormones
BIOL 344/344L	Animal Physiological Ecology with Lab*
HLTH 302	Exercise Physiology
NEUR 225	Biopsychology
NEUR 380	Neuropharmacology
* Only on a of these	agranged mary ha talean in and an ta magairea high

<sup>\*</sup> Only one of these courses may be taken in order to receive biology credit.

### **Group D: Ecological and Evolutionary Biology Electives**

BIOL 233/233L	Comparative Vertebrate Anatomy with Lab
BIOL 248/248L	Principles of Ecology with Lab
BIOL 291	Principles of Tropical Ecology and Conservation: Field Study
BIOL 321/321L	Limnology with Lab
BIOL 335/335L	Principles of Wildlife Biology with Lab
BIOL 341/341L	Marine Biology with Lab
BIOL 393	Wildlife Management and Conservation Topics

#### **Group E: Advanced Biology Electives**

BIOL 490	Independent Study in Biology
BIOL 495	Internship in Biology

Rev. 9.20.23

<sup>\*</sup> This course may not be used as a required plant course.