

Department of Biology Graduation Checklist
<https://biology.sfsu.edu/advising/undergraduate>

LD= _____ Student: _____ E-mail _____
 UD= _____ Last First _____
 Advisor: _____ Phone _____

BACHELOR OF SCIENCE IN BIOLOGY: CONCENTRATION IN PHYSIOLOGY

Course is 3 units unless otherwise noted.

Lower Division Requirements (34-37 units)		Units	√	on DPR?
BIOL 230	Introductory Biology I	5		
BIOL 231	Advising for Success as a Biology Major	1		
BIOL 240	Introductory Biology II [Meets GE Areas B2 (Life Science) & B3 (Lab Science)]	5		
CHEM 115	General Chemistry I: Essential Concepts of Chemistry	5		
CHEM 215	General Chemistry II: Quant. Appl. of Chem. Conc	3		
MATH 226	Calculus I	4		
Select one organic chemistry sequence (3-6 units):				
CHEM 130	General Organic Chemistry [meets GE Area B1]			
CHEM 233 and CHEM 335	Organic Chemistry I [meets GE Area B1] and Organic Chemistry II			
Select one physics sequence (8 units):				
PHYS 111/112	General Physics I and Laboratory (3/1) and			
PHYS 121/122	General Physics II and Laboratory (3/1)			
	OR			
PHYS 220/222	General Physics with Calculus I and Laboratory (3/1) and			
PHYS 230/232	General Physics with Calculus II and Laboratory (3/1)			
Total lower division requirements (units):		34 - 37		

Upper Division Requirements (15-16 units)			√	on DPR?
BIOL 337	Evolution	3		
BIOL 355	Genetics [meets GE UD-B requirement]	3		
BIOL 612 or BIOL 630	Human Physiology or Animal Physiology	3		
BIOL 613GW or BIOL 631GW	Human Physiology Lab - GEAR (3) or Animal Physiology Lab - GEAR (4)			
Units selected from the following (3 units):				
CHEM 340	Biochemistry I			
CHEM 349	General Biochemistry			

Upper Division Electives (10 units)

Select 10 units from the classes below; at least 6 units must be chosen from among the Group A courses.

Group A courses			√	on DPR?
BIOL 328	Human Anatomy (4)			
BIOL 350	Cell Biology			
BIOL 616	Cardiorespiratory Physiology			
BIOL 617	Environmental Physiology			
BIOL 618	Biology of Aging			
BIOL 620	Endocrinology			
BIOL 621	Reproductive Physiology			

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				√	on DPR?
<i>Group A courses continued</i>					
BIOL 622	Hormones and Behavior				
BIOL 623	Pharmacology				
BIOL 640	Cellular Neurosciences				
BIOL 642	Neural Systems Physiology				

Group B courses

BIOL 435	Immunology			
BIOL 453	General Parasitology			
BIOL 454	General Parasitology Laboratory (1)			
BIOL 525	Plant Physiology			
BIOL 526	Plant Molecular Physiology Laboratory (2)			
BIOL 615	Molecular Pathophysiology			
BIOL 644 or BIOL 652 or BIOL 654	LEADerS Service Learning Course: Learners Engaged in Advocating for Diversity in Science (4) or Science Education Partners in Biology (4) or Peer Assistants for Learning Science (4)			
BIOL 699	Independent Study in Biology (1-3 units) <i>requires faculty mentor's approval</i>			

GWAR course must be completed with a C- or better to meet graduation requirements

Course Num.	Course Title	Units

What course has student taken to meet GWAR?

GWAR course must be completed with a C- or better to meet graduation requirements

	Required	Completed
Total upper division unit requirements :	25-26	_____
Total units for major	59-63	_____