

BACHELOR OF SCIENCE IN BIOLOGY OPTION IN ORGANISMAL BIOLOGY FOUR YEAR DEGREE WORKSHEET 2017-2018 Catalog

This degree worksheet is intended to help you develop a balanced course schedule while completing your degree within 4 years. The same sequence of courses (with fewer courses each semester) is also recommended for students completing their degree in 5 or 6 years. This worksheet is not intended to replace academic advising with your assigned advisor. Students should consult with their assigned advisor to determine the appropriate sequence of required courses and electives based on their academic goals.

CSULB Enrollment Services prepares the Academic Requirements Report, which is the official graduation verification.

Year 1

Semester	Course #	Course Title (Units)	Prerequisites	Notes
1	CHEM 111A	General Chemistry (5)	passing score on the CPT	
	MATH 119A; OR MATH 122	Survey of Calculus I (3); OR Calculus I (3)	MDPT placement or MATH 113; OR MATH 111 and 113	
	GE (area A1)	Written Communication (3)	Composition I	
	GE (area C,D,E)	Other Exploration (3)		
	NSCI-190A	Experience Success Program 1 (1)		Fall only
2	CHEM 111B	General Chemistry (5)	CHEM 111A and MATH 119A or 122	
	BIOL 211	Intro. to Evolution and Diversity (4)	<i>Pre/Corequisite:</i> CHEM 111A	
	GE (area A2)	Oral Communication (3)		
	GE (area A3)	Critical Thinking (2)		

Year 2

Semester	Course #	Course Title (Units)	Prerequisites	Notes
3	CHEM 227; OR CHEM 220A	Fundamentals of Organic (3); OR Organic Chemistry I (3)	CHEM 111A; Recommended 111B; OR CHEM 111B; <i>Corequisite:</i> CHEM 223A	227 usually recommended
	CHEM 223A (if 220A taken)	Organic Chemistry Laboratory I (1)	CHEM 111B. <i>Corequisite:</i> 220A	
	BIOL 212	Intro. to Cell and Molecular Bio. (4)	BIOL 211 and CHEM 111A	
	BIOL 260	Biostatistics (3)	BIOL 211 and MATH 119A or 122	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	
	Elective	Elective Requirement (1)		
4	CHEM 220B; OR CHEM 448 (if 227 taken)	Organic Chemistry II (3); OR Fundamentals of Biological Chemistry (3)	CHEM 220A. <i>Corequisite:</i> CHEM 223B; OR CHEM 227	
	CHEM 223B (if 220B taken)	Organic Chemistry Laboratory II (1)	<i>Corequisite:</i> CHEM 220B	
	BIOL 213	Intro. to Ecology and Physiology (4)	BIOL 211, 212 and CHEM 111B	
	PHYS 100A; OR PHYS 151	General Physics (4); OR Mechanics and Heat (4)	MATH 109 or 113 or 119A or 122; OR <i>Pre/Corequisite:</i> MATH 122	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	

Year 3

Semester	Course #	Course Title (Units)	Prerequisites	Notes
5	BIOL 312	Evolutionary Biology (3)	BIOL 211, 212, 213, 260	
	BIOL 345 & BIOL 345L; OR BIOL 447	Comparative Animal Physio. (3) & Comparative Animal Physio. Lab (1); OR Molecular Plant Physiology (3)	BIOL 211, 212, 213 & <i>Pre/Corequisite:</i> BIOL 345; OR BIOL 340, 370	447 is Spring only
	Upper Division Elective	Biology (3)		
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	

Semester	Course #	Course Title (Units)	Prerequisites	Notes
6	BIOL 370	General Genetics (4)	BIOL 211, 212, and 260; MATH 119A or 122 (B2); GE Written Communication (A1), GE Critical Thinking (A3), and GE Oral Communication (A2)	
	BIOL 350	General Ecology (3)	BIOL 211, 212, 213, 260; MATH 119A or 122	
	Elective	Organismal Diversity Course (4)		
	GE Capstone (area F)	General Education & Foundation (3)	MATH 119A or 122 (B2), GE Written Communication (A1), GE Critical Thinking (A3), and GE Oral Communication (A2)	

Year 4

Semester	Course #	Course Title (Units)	Prerequisites	Notes
7	PHYS 100B; OR PHYS 152	General Physics (4); OR Electricity and Magnetism (4)	PHYS 100A; OR PHYS 151	
	Elective	Organismal Diversity Course (3 or 4)		
	Elective	Organismal Ecology/Evolution and Physiology Course (3)		
	GE Capstone (area F)	General Education & Foundation (3)	MATH 119A or 122 (B2), GE Written Communication (A1), GE Critical Thinking (A3), and GE Oral Communication (A2)	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	
8	Elective	Organismal Ecology/Evolution and Physiology Course (3)		
	Upper Division Elective	Biology (3)		
	400 Level Elective	Biological Science (3)		
	BIOL 480	Seminars (1)	Must be taken in last semester	
	GE (area C,D,E)	Other Exploration (3)	GE (area C, D, and E)	
	Elective	Elective (1)		