

Requirements for the B.S. in Biology Degree, effective 2016-17

Major Requirements

I. Biology Core Courses **22 Units**
BIOL 1A, 1B & 1BL, 101, 102, 103, 104, 105

II. Additional Major Requirements **20 Units**

These 20 units must include a minimum of **three** upper-division biology (BIOL) courses that include a laboratory. Of these, one must be a **diversity course**, and one must be a **physiology course**. The **third laboratory course** may be any other laboratory course, identified below. Marine Science (MSCI) courses are available at Moss Landing only.

1. Diversity Courses:

BIOL 120, 122, 123, 124, 125, 130, 131, 132, 133, 134, 135, 136, 140, 143, 178;
MSCI 112, 113, 124, 125, 131

2. Physiology Courses:

BIOL 155, 156, 157 and 157L, 160, 161, 162 and 162L; MSCI 135

3. Third Laboratory Course:

BIOL 120, 122, 123, 124, 125, 130, 131, 132, 133, 134, 135, 136, 140, 141, 142, 143, 144, 151, 152, 153, 155, 156, 157 and 157L, 160, 161, 162 and 162L, 170, 171, 172S, 174, 176, 178; MSCI 112, 113, 124, 125, 131, 135

Notes: 1. even though some courses are listed in more than one location, each course can be used for one line only. 2. All of the courses above are 3 or 4 units, with the exception of BIOL 151, which is 2 units.

4. Options for Completing the 20 Unit Requirement:

You may take additional laboratory courses from line 3 above, BIOL 67A or 67B, and/or other lecture-only electives (BIOL 110, 119, 121, 150, 158, 163, 164, 165, 166, 173, 175, 189T, up to 6 units of 190). NOTE – lines 1-4 MUST total no less than 20 units

III. Additional requirements **30 Units**

1. CHEM 1A & 1AL, 1B & 1BL, 8 or 128A, 129A, and 150 or 155A (18 units)
2. MATH 70 or 75 (4 units)
3. MATH 101 or PSYCH 42 (4 units)
4. PHYS 2A (4 units)
5. CHEM 128B, 129B, and PHYS 2B are highly recommended for some career paths: and CHEM 128B is a prerequisite for CHEM 150 or 155A.

IV. General Education Requirements **51 Units***

V. Electives and remaining degree requirements **6 Units**

Total **120 Units**

*The following courses count for both the major and fulfillment of GE: Math 70 or 75 (4 units), BIOL 1A (4 units), CHEM 1A and 1AL (5 units), total 13 units.

BIOLOGY MAJOR - MODEL SCHEDULE

FRESHMAN

Fall		Spring		
CHEM 1A and 1AL*	(5)	CHEM 1B and 1BL	(5)	
MATH 70* or 75*	(4)	BIOL 1A*	(4)	
ENGL 5A or 10	(3)	COMM 3, 7, or 8	(3)	
Critical Thinking	(3)	GE Breadth-Area C**	(3)	
	<u>15</u>	ENGL 5B***	<u>(3)</u>	
			18	33

SOPHOMORE

Fall		Spring		
CHEM 128A (or 8)	(3)	CHEM 128B (recommended)	(3)	
PHYS 2A	(4)	CHEM 129A	(2)	
BIOL 1B and 1BL	(4)	PHYS 2B (recommended)	(4)	
GE Breadth-Area C**	(3)	PSYCH 42 or MATH 101	(4)	
	<u>14</u>	GE Breadth-Area D**	<u>(3)</u>	
			16	30

JUNIOR

Fall		Spring		
BIOL 101	(4)	BIOL 103 and 104	(4)	
BIOL 102	(3)	UD Elective (major) #	(3-4)	
CHEM 150 or 155A	(3)	GE Breadth-Area D**	(3)	
GE Breadth-Area D**	(3)	GE Breadth-Area C**	(3)	
UD GE	(3)	UD GE	<u>(3)</u>	
UD Writing****	<u>0-3</u>			
	16 -19		16-17	32-36

SENIOR

Fall		Spring		
UD Elective (major) #	(3-4)	UD Elective (major) #	(3-4)	
UD Elective (major) #	(3-4)	UD Elective (major) #	(3-4)	
UD GE	(3)	BIOL 105	(3)	
GE Breadth-Area E**	<u>(3)</u>	UD GE	<u>(3)</u>	
	12 -14		12-14	24-28
				<u>120-127</u>

* Double counts for GE

** GE Breadth – Areas C, D, and E may be taken in any sequence to fit into your schedule.

*** Only for students who took English 5A in Fall semester.

**** **UD writing should be taken as soon as you complete 60 units.** This requirement may be met by a W course or a test. Students may take ANTH 116W or ANTH 105W and double count the course for both writing and UD GE requirements. Four UD GE courses must be taken whether or not you meet the writing requirement with a test.

These elective courses must total at least 20 units. See catalog for required UD elective courses in the major.

The above schedule is a general schedule. **Some postgraduate programs may require more than is listed above.** Course availability may require alterations to the above scheduling. See your advisor. Consult your catalog to make sure that you have met course prerequisites. There are enough variables in scheduling that you are foolish if you do not see an advisor. Finally, remember that **your catalog is the final authority on graduation requirements, not this model schedule.**