



Biology Program's Recommended Course Sequences

The following is a suggested two-year course sequence recommended by the department faculty. Note that pre-requisites for courses are not included in this plan, and it is always advisable to meet with a counselor to ensure you are meeting all current requirements.

Biology Studies A.S. Degree for Students Intending on UCSD Transfer (IGETC)

First Year

Fall Term			Spring Term			Summer Term		
		Units			Units			Units
BIOL 210A	Intro to Biological Sciences I	4.0	BIOL 210B	Intro to Biological Sciences II	4.0			
CHEM 200	General Chemistry I	3.0	MATH 150	Calculus w Analytic Geometry	5.0			
CHEM 200L	General Chemistry I Lab	2.0	1B GE	1B General Ed Elective	3.0			
1A GE	1A General Ed Elective	3.0	Area 4 GE	Area 4 General Ed Elective	3.0			
3A GE	3A General Ed Elective	3.0						
<i>Total Units</i>		15.0	<i>Total Units</i>		15.0	<i>Total Units</i>		0.0

Second Year

Fall Term			Spring Term			Summer Term		
		Units			Units			Units
MATH 151	Calculus w/ Analytic Geom II^	4.0	MATH 119	Elementary Statistics^	3.0			
CHEM 201	General Chemistry II^	3.0	CHEM 231	Organic Chemistry I^	3.0			
CHEM 201L	General Chemistry II Lab^	2.0	CHEM 231L	Organic Chemistry I Lab^	2.0			
Area 4 GE	Area 4 General Ed Elective	3.0	3A GE	3A General Ed Elective	3.0			
3B GE	3B General Ed Elective	3.0	or 3B GE	3B General Ed Elective	3.0			
			Area 4 GE	Area 4 General Ed Elective	3.0			
			EXSC XXX	Or any elective for 60 units total for A.S. degree	1.0			
<i>Total Units</i>		15.0	<i>Total Units</i>		15.0	<i>Total Units</i>		0.0

* This course sequence assumes student has taken all needed pre-requisites (or achieved college-level placement via assessment) for college composition. It also assumes that student has completed all needed prerequisite courses for college calculus and general chemistry and biological sciences. Please see pre-requisite courses listed below.

<u>Course</u>		<u>Prerequisite Course</u>
Biol 210A	Intro to Biological Sciences I	Math 096 (or score of M50 on math assessment for college-level math) AND Chemistry 152+152L (or successfully passing the Chem 152 Challenge Exam)
Chem 200	General Chemistry I	Math 096 (or score of M50 on math assessment for college-level math) AND Chemistry 152+152L (or successfully passing the Chem 152 Challenge Exam)
Math 150	Calculus w Analytic Geometry	Math 141 (Precalculus) or successfully passing Math 141 Challenge Exam – Math 104 (Trigonometry) is prerequisite for Math 141. See math course sequence chart for math pathway.

*If student places below college level , additional math & English pre-requisites will be needed. Student who has passed an AP Calculus exam and other AP exams may already have math and other GE credits; these students should consult a counselor prior to their first semester of study. In addition, student may choose one of two math pathways for UCSD Transfer: 1) 150 & 151 (shown above) OR 2) Math 121-122.

Student may opt to complete all GE requirements on IGETC or follow a 7-Course pattern (to include Areas 1A, 1B, 2A, plus 4 more GE courses from at least two other GE areas). The above educational plan is a complete IGETC pattern with the exception of Area 6A (Language Other Than English), which students may have already completed with 2 years of high school foreign language courses. See a counselor for details.

^These courses are not necessarily required for the Biology Studies A.S. degree; however, they are either required or strongly recommended by UCSD. In addition, student should also try to complete the Organic Chemistry sequence (Chem 233 + 233L) at Miramar College prior to transfer to UCSD.

IMPORTANT: This education plan is an example only. Students who also plan to apply to other universities (such as the CSU system or private & out-of-state institutions) may need to choose specific math, science, and GE courses not shown above. Students need to work with a counselor to identify the most suitable education plan for their needs and goals.