

Suggested Four-Year Plan of Study BIOLOGY AND CHEMISTRY



Environmental Biology B.S. (Bachelor of Science)

FRESHMAN YEAR

Fall Semester 14 Credits

ENGL 1100	Writing I.....	3
BIOL 1800	General Biology I*	4
CHEM 1300	General Chemistry I* (SI)	4
FYE 1015	First Year Experience.....	3

* General Chemistry requires a 'passing' score on Advanced Algebra and Functions Accuplacer exam OR successful completion of MATH 0500 (Algebraic Preparation) prior to enrollment. To continue as a Biology major, students must earn a grade of 2.0 or higher in General Biology I and General Biology I.

Spring Semester 15 Credits

ENGL 1200	Writing II.....	3
BIOL 1900	General Biology II.....	4
CHEM 1400	General Chemistry II (PL)	4
MATH 1300	Precalculus	4

SOPHOMORE YEAR

Fall Semester 17 Credits

BIOL 2300	Ecology	4
CHEM 2000	Organic Chemistry I (AIA).....	4
MATH ≥1300**	Math Elective (QR).....	3
	From Cluster 1***	3
	General Education (WS)	3

** Applied Statistics (MATH 1700) is recommended to fulfill the QR requirement.

Spring Semester 17 Credits

BIOL 2800	Genetics	4
CHEM 2100	Organic Chemistry II (AIA).....	4
	From Cluster 2***	3
	General Education/Exploration.....	3
	General Education/Exploration.....	3

*** At least one course must be from Cluster 1 consisting of GEOG 2100, GEOG 2500, GEOG 3110, or GEOG 4600. Another course must come from Cluster 2 consisting GEOG 2400, GEOG 3120, GEOG 3300, GEOG 4000, or GEOG 4500. (These courses may have prerequisites that must be completed prior to enrolling in them.)

JUNIOR YEAR

Fall Semester 16 Credits

BIOL 3100	Conservation Biology.....	3
PHYS 2300	General Physics I	4
	General Education/Exploration	3
	General Education/Exploration	3
	Free Elective	3

Spring Semester 13-14 Credits

BIOL ≥2000	Biology Elective.....	3-4
PHYS 2400	General Physics II	4
	General Education/Exploration	3
	General Education/Exploration	3

SENIOR YEAR

Fall Semester 12-16 Credits

BIOL ≥2000	Biology Elective	3-4
BIOL ≥2000	Biology Elective OR	
	Independent Study OR Internship	3-6
	General Education/Exploration	3
	Free Elective	3

Spring Semester 13-14 Credits

BIOL ≥3000	Biology Elective (Capstone****) (IHIP).....	4
BIOL ≥2000	Biology Elective	3-4
	Free Elective	3
	Free Elective	3

**** At least one of the 5 Biology electives must be designated a Capstone course.

General Education: Foundation

3 credits Reading and Information Literacy (R and IL): First Year Experience
3 credits Writing (W): Writing I
3 credits Writing and Information Literacy (W and IL): Writing II
3 credits Quantitative Reasoning (QR) (MATH)
3 credits World Languages, Speaking and Listening (WS)

General Education: Exploration

3 credits Civic Learning (CV)
3 credits Diverse Perspectives (DP)
3 credits Ethical Reasoning (ER)
3 credits Fine Arts Expression and Analysis (FA)
3 credits Historical Inquiry and Analysis (HI)
3 credits Literary Inquiry and Analysis (LI)
3 credits Personal Wellness (PW)
3 credits Procedural and Logical Thinking (PL)
3 credits Scientific Inquiry and Analysis (SI)

General Education: Integration

9 credits AIA (3 of which must be Integrative High Impact Practice - IHIP)
OR
Minor (professional majors completing a minor or second major must include at least 9 credits in LA&S disciplines for that minor)

General Education: MAJ

There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.

Suggested 4-year plan of study. Completion of 120 credits required for graduation.