

Biology- Environmental Science concentration – B.S. (BIES)

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for students to follow in order to complete their degree requirements within four years. This plan is a **recommendation** and students should only use it in consultation with their academic advisor.

Students should be aware that this plan assumes that no developmental courses are required. If developmental courses are needed, students may have additional requirements to fulfill which do not appear on the four year plan.

First Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
BIOL 112 Principles of Biology I	4		BIOL 113 Principles of Biology II	4	
ENWR 105 College Writing I	3		ENWR 106 College Writing II	3	
See dept. list for MATH sequence	4		See dept. list for MATH sequence	4	
CHEM 120 General Chemistry I	4		CHEM 121 General Chemistry II	4	
GNEC 199 Fresh Sem	1				
TOTAL	16		TOTAL	15	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
BIOL 230 Cell & Molecular Biology	4		BIOL 213 Introduction to Ecology	4	
CHEM 230 Organic Chemistry I	3		CHEM 231 Organic Chemistry II	3	
CHEM 232 Organic Chemistry I Lab	2		EAES 105 Physical Geology	4	
General Education-Communications	3		World Cultures	3	
Free Elective	0-3		Free Elective	0-3	
TOTAL	12-15		TOTAL	14-16	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
BIOL 380-Genetics	4		Biology Major Elective	3-4	
PHYS 191 OR PHYS 193 (see dept. seq)	4		PHYS 192 OR PHYS 194 (see dept. sequence)	4	
World Languages	3		World Languages	3	
General Ed-Social Science	3		General Ed. – American/European History	3	
General Ed-World Lit/Gen. Humanities	3		General Ed.-Fine and Performing Arts	3	
TOTAL	17		TOTAL	16-17	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
Biology Major Elective	4		Env Sci Elective	3-4	
Env. Sci Elective	3-4		General Ed-Non-Western Cult. Persp	3	
Comp. Science Gen Ed CMPT 109	3		BIOL 417-Evolutionary Biology	3	
General Ed-Philosophy/Religion	3		Physical Education	1	
Free Elective	0-3		Env. Sci. Elective	3-4	
TOTAL	13-14		TOTAL	13-15	