

Geoscience – Environmental Science Concentration – B.S. (GEES)

Recommended Four-Year Plan (Fall 2014)

This recommended four year plan is provided as an **outline** for you to follow in order to plan of degree completion within four years. This plan is a **recommendation** and not intended to serve as a substitute for meeting, and checking your selections, with your academic advisor. Please note that this plan assumes that no developmental courses are required. If you are required to take developmental courses you will need to adjust the plan below, and should again consult with your academic advisor to do so.

First Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
EAES 105 Physical Geology (Gen Ed – Nat/Physical Lab)	4		CMST 101 Gen Ed. – Communications	3	
MATH 112 Precalculus Mathematics OR MATH 122 Calculus I	3-4		MATH 116 Calculus A OR MATH 221 Calculus II	4	
CHEM 120 General Chemistry I	4		CHEM 121 General Chemistry II	4	
ENWR 105 College Writing I	3		ENWR 106 College Writing II	3	
GNERD 199 New Student Seminar	1				
TOTAL	15-16		TOTAL	14	

Second Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
EAES 220 Mineralogy	4		EAES 320 Igneous/Metamorphic Petrology	4	
CHEM 230 Organic Chemistry I	3		EAES 302 Structural Geology	3	
CHEM 232 Exper. Organic Chemistry	2		BIOL 113 Principles of Biology II (Gen Ed. L Elective)	4	
CSIT 100 Gen Ed. - Computer Science	3		Gen Ed. – Fine & Performing Arts	3	
EAES 240 Historical Geology	4				
TOTAL	16		TOTAL	14	

Third Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
EAES 342 Invertebrate Paleobiology	4		EAES 441 Stratigraphy	4	
EAES 331 Geohydrology OR EAES 341 Prin. of Soil Sci. OR one of the following (EAES 322 Env. Geochem OR CHEM 320 Env. Chemical Analysis)	3		EAES 331 Geohydrology OR EAES 341 Prin. of Soil Sci. OR one of the following (EAES 322 Env. Geochem OR CHEM 320 Env. Chemical Analysis)	3	
PHYS 193 College Physics I OR PHYS 191 University Physics I	4		PHYS 194 College Physics II OR PHYS 191 University Physics II	4	
World Languages	3		World Languages	3	
			<i>SUMMER: EAES 404 Field Geology</i>	6	
			SUMMER TOTAL	6	
TOTAL	14		TOTAL	14	

Fourth Year

Fall Semester	HRS	✓	Spring Semester	HRS	✓
Gen Ed. – Physical Education	1		Concentration Elective (see dept list)	3-4	
BIOL 213 Introduction to Ecology OR BIOL 254 Applied Microbiology	3-4		EAES 498 Seminar in Geoscience OR BIOL 490 Senior Seminar in Biology	2-3	
Gen Ed. – Non-Western Cult.*	3		Gen Ed. – Social Science*	3	
Gen Ed. – Amer. European History	3		Gen Ed. – World Lit./Gen. Hum.	3	
Gen Ed. – Philosophy/Religion	3		Free electives (if needed)	0-3	
TOTAL	13-14		TOTAL	12-14	

*Students may “double-dip” World Cultures w/ appropriate Non-Western Cultures or Social Science Gen Ed requirements. See Audit for list.

NOTE: Total Required: 120 credits