B.S. Environmental Science: Geography Requirements

The major in Environmental Science emphasizes student capacity to engage with interdisciplinary environmental challenges in both the field and laboratory. The major prepares students for graduate work or for a career in professions such as Environmental Consulting, Laboratory Analysis, Water and Wastewater Management, Geospatial Information Technology, Natural Resource Management and Remediation, and Wildlife Conservation. Students majoring in Environmental Science choose from one of the following tracks: Biology, Chemistry, Geography, Geology, and Regenerative Organic Agriculture.

Note that all students must achieve 120 undergraduate credits and a minimum 2.0 overall GPA to graduate. The final GPA requirement for Environmental Science is 2.0.

Required Environmental Science Core Courses – 20 to 21 credits

EVSC 100 Introduction to Environmental Science (3 credits)
EVSC 210 Environmental Geology (3 credits)
EVSC 220 Environmental Analysis (3 credits)
EVSC 222 Environmental Biology (3 credits) *or* BIOL 244: Ecology (4 credits)
EVSC 270 Applied Environmental Science (3 credits)
GEOG 274 Introduction to Geographic Information Systems (3 credits)
EVSC 380 Senior Seminar (2 credits)

Geography Track – 20 to 21 credits

Required courses plus 4 GEOG electives.
GEOG 10 Planet Earth Users' Guide: Introduction to Physical Geography (3 credits)
GEOG 375 Research Methods in Geography (3 credits)
GEOG 394 Internship in Geography (2-3 credits)
GEOG Electives (4 by 3 credits)

Other Required Courses – 18 to 19 credits

MATH 140 and 150 require either MATH 105, 106 or 115 as a prerequisite.
PSYC/SOCI/POLI 200 requires PSYC 11 and MATH 17 or higher (excluding 40 and 45) as prerequisites.
BIOL 106 Introduction to Zoology (4 credits) *or* BIOL 108 Introduction to Botany (4 credits)
CHEM 102 General Chemistry II (4 credits)
MATH 106 Trigonometry (3 credits) *or* MATH 115 Precalculus (3 credits) *or* MATH 181 Calculus I (4 credits)
MATH 140 Applied Statistics (3 credits) *or* MATH 150 Biostatistics (3 credits) *or* PSYC 200 Stats for Social and Behavioral Sciences (3 credits)
PHYS 40 General Physics I (4 credits) *or* PHYS 100 Physics I (4 credits)

Directed General Education Courses – 12 credits

These courses are required for the major and satisfy the general education requirement "Understanding Science and Technology."

BIOL 104 Principles of Biology – Category C1 (4 credits) (*grade of C or better required*)
CHEM 100 General Chemistry I – Category C3 (4 credits)
GEOL 100 Physical Geology – Category C2 (4 credits)

University Electives – 14 to 17 credits

Program Plan Code: BA_EVSC_GEOG
Effective Date: Fall 2024

B.S. Environmental Science: Geography Track Check Sheet

Student Name: Student ID Number:

This check sheet provides a mechanism for students and advisors to keep track of a student's progress in the program. Please refer to the program requirements for more details regarding options.

Note that all students must achieve 120 undergraduate credits and a minimum 2.0 overall GPA to graduate. The final GPA requirement for Environmental Science: Geography is 2.0.

Environmental Science Core Courses – 20 to 21 credits

EVSC 100 Introduction to Environmental Science	3 credits	Grade:
EVSC 210 Environmental Geology	3 credits	Grade:
EVSC 220 Environmental Analysis	3 credits	Grade:
EVSC 222 Environmental Biology *or* BIOL 244 Ecology	3-4 credits	Grade:
EVSC 270 Applied Environmental Science	3 credits	Grade:
GEOG 274 Introduction to Geographic Information Systems	3 credits	Grade:
EVSC 380 Senior Seminar	2 credits	Grade:
Total Credits	20-21 total credits	

Geography Track Courses – 20 to 21 credits

GEOG 10 Planet Earth Users' Guide: Introduction to Physical Geography	3 credits	Grade:
GEOG:	3 credits	Grade:
GEOG:	3 credits	Grade:
GEOG:	3 credits	Grade:
GEOG:	3 credits	Grade:
GEOG 375 Research Methods in Geography (*Note 1*)	3 credits	Grade:
GEOG 394 Internship in Geography	3 credits	Grade:
Total Credits	20-21 total credits	

Note 1: GEOG 375 requires a credit override from the Department of Geography.

Other Required Courses – 11 credits

BIOL 106 Introduction to Biology *or* BIOL 108 Introduction to Botany	4 credits	Grade:
CHEM 102 General Chemistry II	4 credits	Grade:
MATH 106 Trigonometry *or* MATH 115 Precalculus *or* MATH 181 Calculus I (4 credits)	3-4 credits	Grade:
MATH 140: Applied Statistics *or* MATH 150: Biostatistics *or* PSYC 200: Stats for Social and Behavioral Science *Note that these classes have prerequisites.*	3 credits	Grade:
PHYS 40 General Physics I *or* PHYS 100 Physics I	4 credits	Grade:
Total Credits	18-19 total credits	

Directed General Education Courses

BIOL 104 Principles of Biology (Category C1)	4 credits	Grade:
CHEM 100: General Chemistry I (Category C3)	4 credits	Grade:
GEOL 100: Physical Geology (Category C2)	4 credits	Grade:

University Electives – 14 to 17 credits

Course 1:	credits	Grade:
Course 2:	credits	Grade:
Course 3:	credits	Grade:
Course 4:	credits	Grade:
Course 5:	credits	Grade:
Total Credits	14-17 total credits	

Note 2: Number of credits needed should be determined with an academic advisor.

Summary of Graduation Requirements

Total credits from major courses	**58**
Total credits from general education program	**45**
Total credits from university electives	**17**
Minimum total credits to graduate	**120**
Minimum overall GPA	**2.0**
Minimum GPA in major program	**2.0**
Comprehensive Exam	**PASS**

Program Plan Code: BS_EVSC_GEOG
Effective Date: Fall 2024

B.S. Environmental Science: Geography Track 8-Semester Planner

Student Name: Student ID Number:

Each semester listed below provides information including course categories, typical credit hours (CH.), and space to add specific course selections. This planner is only a suggested path. Consult with your program advisor regarding your unique plans and interests as you make choices about your schedule.

First Semester Plan

Gen Ed	Category A1	3 CH.	Selection:
Gen Ed	BIOL 104 (Category C1) (*Note 1*)	4 CH.	Selection:
Gen Ed	FYSM 100	3 CH.	Selection: FYSM 100 -
Major	EVSC 100	3 CH.	Selection:
Major	GEOG 10	3 CH.	Selection:
Total		**16 CH.**	

Second Semester Plan

Gen Ed	CHEM 100 (Category C3)	4 CH.	Selection:
Major	BIOL 106	4 CH.	Selection:
Major	GEOG Track Course 1 of 4	3 CH.	Selection:
Major	MATH 106, 115, *or* 181	3-4 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Total		**17-18 CH.**	

Third Semester Plan

Gen Ed	GEOL 100 (Category C2)	4 CH.	Selection:
Major	CHEM 102	4 CH.	Selection:
Major	EVSC 270	3 CH.	Selection:
Major	GEOG 274	3 CH.	Selection:
Major	GEOG Track Course 2 of 4	3 CH.	Selection:
Total		**17 CH.**	

Fourth Semester Plan

Gen Ed	Category A3	3 CH.	Selection:
Gen Ed	Category D	3 CH.	Selection:
Major	EVSC 220	3 CH.	Selection:
Major	EVSC 222	3 CH.	Selection:
Major	Track Course 3 of 4	3 CH.	Selection:
Total		**15 CH.**	

Fifth Semester Plan

Gen Ed	Category A2	3 CH.	Selection:
Gen Ed	Category B	3 CH.	Selection:
Major	GEOG Track Course 4 of 4	3 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Total		**15 CH.**	

Sixth Semester Plan

Gen Ed	Category A4	3 CH.	Selection:
Gen Ed	Category B	3 CH.	Selection:
Major	EVSC 210	3 CH.	Selection:
Major	MATH 140, MAT 150, *or* PSYC 200 (*Note 3*)	3 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Total		**15 CH.**	

Seventh Semester Plan

Gen Ed	Category D	3 CH.	Selection:
Major	GEOG 375	3 CH.	Selection:
Major	PHYS 40 *or* PHYS 100	4 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Total		**13 CH.**	

Eighth Semester Plan

Gen Ed	Category B	3 CH.	Selection:
Gen Ed	Category D	3 CH.	Selection:
Major	EVSC 380	2 CH.	Selection:
Major	GEOG 394	2 or 3 CH.	Selection:
Elective	University Elective (*Note 2*)	3 CH.	Selection:
Total		**13-14 CH.**	

Additional Notes:

Note 1: A grade of C or better for BIOL 104 is needed to be counted as the prerequisite to EVSC 222.

Note 2: The number of University Electives credits should be determined with an academic advisor.

Note 3: MATH 140 and 150 require either MATH 105, 106 or 115 as a prerequisite. PSYC/SOCI/POLI 200 requires PSYC 11 and MATH 17 or higher (excluding 40 and 45) as prerequisites.

Program Plan Code: BS_EVSC_GEOG
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