

EARTH AND SPACE SCIENCE (BS) - ENVIRONMENTAL SCIENCE TRACK

Program Map

Course	Title	Credit Hours
First Year		
Fall		
MATH 1113	Pre-Calculus (minimum grade of C)	4
ENGL 1101	English Composition I (minimum grade of C)	3
CHEM 1211	Principles of Chemistry I (minimum grade of C)	3
CHEM 1211L	Principles of Chemistry I Lab (minimum grade of C)	1
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
	Of the nine courses listed in Area F under "Choose 3 or more credits," ENV5 1205K Sustainability and the Environment (4 cr) and ATSC 1112 Understanding the Weather (3 cr) are the recommended courses for this major.	3
Credit Hours		15
Spring		
BIOL 1215K	Introductory Biology ¹	4
CHEM 1212	Principles of Chemistry II (minimum grade of C)	3
CHEM 1212L	Principles of Chemistry II Lab (minimum grade of C)	1
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1131	Calculus with Analytic Geometry I	4
Credit Hours		15
Second Year		
Fall		
PHYS 1111	Introductory Physics I (minimum grade of C)	3
PHYS 1311	Introductory Physics I Lab (minimum grade of C)	1
STAT 1401	Elementary Statistics (minimum grade of C)	3
Area E	ANTH1105 is recommended in Area E World Cultures as it is a pre-req for ENV5226U	3
ENVS 3105	Foundations of Environmental Science (minimum grade of C)	4
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2
Credit Hours		16
Spring		
PHYS 1112	Introductory Physics II (minimum grade of C)	3

PHYS 1312	Introductory Physics II Lab (minimum grade of C)	1
GEOL 1121	Introductory Geoscience I: Physical Geology (minimum grade of C)	3
GEOL 1121L	Introductory Geoscience I: Physical Geology Lab (minimum grade of C)	1
BIOL 3217K	Ecology (minimum grade of C) ²	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
Credit Hours		15

Third Year

Fall		
CHEM 2115	Quantitative Chemical Analysis (minimum grade of C)	3
CHEM 2315	Quantitative Chemical Analysis Lab (minimum grade of C)	1
AREA C	Humanities	3
ENVS 5206U	Water Resources Management (minimum grade of C)	4
GEOL 5255U	Environmental Geology (minimum grade of C)	4
Credit Hours		15

Spring

GEOG 2215	Introduction to the Geographic Information Systems (minimum grade of C)	3
AREA G	Requirement (minimum grade of C)	3-4
AREA H	Elective	3-4
AREA C	Fine Arts	3
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
Credit Hours		15-17

Fourth Year

Fall		
AREA G	Requirement (minimum grade of C)	3-4
POLS 1101	American Government	3
AREA H	Elective	7-8
Credit Hours		13-15
Spring		
AREA H	Electives	5-8
Area E	Behavioral Science	3
AREA G	Requirement (minimum grade of C)	3-4
PEDS Course		1
Credit Hours		12-16
Total Credit Hours		123

¹ BIOL 1215K Introductory Biology is a prerequisite for some upper level ENV5 and BIOL courses.

² The following courses are BIOL 3217K Ecology prerequisites for students in the Environmental Science track of the BS Earth and Space Sciences degree: BIOL 1215K Introductory Biology, CHEM 1211 Principles of Chemistry I, CHEM 1211L Principles of Chemistry I Lab, CHEM 1212 Principles of Chemistry II, CHEM 1212L Principles of Chemistry II Lab, and ENVS 3105 Foundations of Environmental Science.

- 1-4 hours from Area B may be used in Area H.
- ENVS 5405U Topics in Conservation is taught on a rotating basis. It is critical for you to meet with your advisor each semester in order to design a schedule that incorporates these classes during the semesters they are offered
- Area H courses are listed as 3 or 4 hours, although some Area H classes may be 5+ credit hours. Regardless of which courses are taken for Area H credit, all students must complete 24 total hours of Area H program electives. Additionally, all students must complete a minimum of 39 upper level (3000+ level) credit hours in order to graduate.