

Earth & Environmental Sciences - Environmental Science Emphasis, A.S.

Program Description

The Associate's of Science degree in Earth and Environmental Sciences (ENVS) is an interdisciplinary study of the relevant natural science disciplines, with content including the geosciences, geography, and environmental sciences. This program provides knowledge and experience through lecture, laboratory, and field courses that immerse the students into the world around them, preparing them for entry level positions in the discipline and bringing them one step closer to a Bachelor's degree. Students will analyze and solve problems associated with use of energy, water, and mineral resources; in protection of the environment; in planning for the impact of natural hazards; and in sustainable approaches to societal development. The region and ecosystems that surround Utah Tech University provide the ideal laboratory to apply concepts to the earth, energy, and environmental issues that impact the future of humanity. This program naturally feeds into the Bachelor's of Science degree in Earth, Energy, and Environmental science.

Program Curriculum

60 credits

Utah Tech General Education Requirements

All Utah Tech General Education requirements must be fulfilled. A previously earned degree may fulfill those requirements, but courses must be equivalent to Utah Tech's minimum General Education standards in American Institutions, English, and Mathematics.

Code	Title	Hours
General Education Core Requirements (catalog.utahtech.edu/programs/generaleducation/#gerequirementstext)		
	English	3-7
	Mathematics	3-5
	American Institutions	3-6
	Life Sciences	3-10
	Physical Sciences	3-5
	Fine Arts	3
	Literature/Humanities	3
	Social & Behavioral Sciences	3
	Exploration	3-5

Code	Title	Hours
Earth and Environmental Sciences Core Requirements		
BIOL 1610 & BIOL 1615	Principles of Biology I (LS) and Principles of Biology I Lab (LAB)	5
CHEM 1210 & CHEM 1215	Principles of Chemistry I (PS) and Principles of Chemistry I Lab (LAB)	5
ENER 3310	Energy and the Environment	3
ENGL 2201	Literature and the Land (HU, GC)	3
ENVS 1210 & ENVS 1215	Introduction to Environmental Science and Introduction to Environmental Science Laboratory	4
ENVS 2210	Environmental Pollution and Remediation Techniques	3
GEO 1110 & GEO 1115	Physical Geology (PS) and Physical Geology Lab (LAB)	4
GEO 2050	Earth Materials	4
GEOG 2410	Paleoclimatology	3
MATH 1060	Trigonometry (MA)	3
PHYS 2010 & PHYS 2015	College Physics I (PS) and College Physics I Lab (LAB)	5

Code	Title	Hours
Environmental Science Emphasis Requirements		
ENVS 2700R	Field Methods in Environmental Science	1
ENVS 2990R	Career Seminar in Environmental Science	1

Graduation Requirements

1. Complete a minimum of 60 college-level credits (1000 and above).
2. Complete at least 20 semester hours of credits at Utah Tech for institutional residency.
3. Grade of C- or higher and cumulative GPA of 2.0 or higher in all required courses.