

# Environmental Science



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Environmental science studies how the natural world works, how we as humans interact with and affect the environment, and ways to prevent, correct or reduce damage to the environment and protect human health and welfare.

An associate degree in environmental science at Lee College is designed to prepare students to transfer to a four-year college or university with the goal of completing a bachelor's degree in environmental science or a related field.

An AS in environmental science could also prepare you for entry-level technical or assistant positions in educational and laboratory environments.

## **What Will I Learn?**

An associate degree program in environmental science teaches students about environmental protection regulations, environmental issues, and the protection of natural elements that are essential for life. Students will gain the basic understanding of nature, critical thinking, and problem-solving appropriate for a profession in environmental science.

## **What Can I Do with This Course of Study?**

An AS prepares students to pursue a BS in environmental science, which can lead to careers in the public or private sectors in fields that include:

- Environmental risk assessment
- Environmental compliance
- Natural resource conservation and management
- Law enforcement
- Education and research

Many fields can include elements of field work in the outdoors, in addition to laboratory and office environments.

## Degrees and Certificates

Associate of Science (AS) in Environmental Science

### Environmental Science UHCL Transfer Plan

Please note that MATH 1314 & MATH 2412 are pre-requisites for MATH 2413. This plan includes course options for transferring into the ENVIRONMENTAL SCIENCE BS program at the University of Houston-Clear Lake. There are four options for specialization. Students should select courses that align to their desired specialization. The plan includes more than the 60 hours required for an Associate of Science and allows students to complete additional bachelor's degree requirements prior to transfer.

**Foundations: These are the courses students need in order to progress in their career/college pathway, as they either provide a certificate or lay the groundwork for moving to the next set of courses.**

	Lee College	UHCL
Course	Course Title	Counts Toward
EDUC 1200	Learning Frameworks	PSYC 1100
ENGL 1301	English Composition 1	WRIT 1301
CHEM 1411	General Chemistry 1; Lecture and lab	CHEM 1111/1311
MATH 2413	Calculus 1	MATH 2413
HIST 1301	History of the United States to 1877	HIST 1301
PSYC 2301 or SOCI 1301	Introduction to Psychology or Introduction to Sociology	PSYC 2301 or SOCI 1301

**Knowledge Building: These courses further the students' knowledge in the area of study and increase their preparation for the degree completion.**

	Lee College	UHCL
Course	Course Title	Counts Toward
SPCH 1315	Principles of Public Speaking	COMM 1315
CHEM 1412	General Chemistry 2; Lecture and lab	CHEM 1112/1312
PHYS 1401	College Physics 1; Lecture and lab	PHYS 1101/1301

ARTS 1303 or 04	Art History 1 OR Art History 2	ARTS 1303 or 1304
GOVT 2305	Federal Government	POLS 2305
HUMA 1301	Introduction to Humanities 1	HUMA 1301
ENGL 1302	English Composition 2	WRIT 1302

**Completion: These are the courses the student needs in order to complete the degree plan and prepare to enter the workforce.**

	<b>Lee College</b>	<b>UHCL</b>
<b>Course</b>	<b>Course Title</b>	<b>Counts Toward</b>
HIST 1302	History of the United States since 1877	HIST 1302
CHEM 2423	Organic Chemistry 1; Lecture and lab	CHEM 2123/2323
PHYS 1402	College Physics 2; Lecture and lab	PHYS 1102/1302
GOVT 2306	Texas Government	POLS 2306
SPECIALIZATION Science	Select courses from the desired specialization area below.	
Biology	BIOL 1406 – General Biology I BIOL 1407 – General Biology II	BIOL 1306/BIOL 1106 BIOL 1307/BIOL 1107
Chemistry	CHEM 2423 - Organic Chemistry I CHEM 2425 – Organic Chemistry II	CHEM 2323/CHEM 2123 CHEM 2325/CHEM 2125
Geology	GEOL 1403 – Physical Geology GEOL 1404 – Historical Geology	GEOL 1303/GEOL 1103 GEOL 1304/GEOL 1104
Physical Geology Specialization	GEOL 1403 – Physical Geology GEOL 1404 – Historical Geology CHEM 2423 - Organic Chemistry I	GEOL 1303/GEOL 1103 GEOL 1304/GEOL 1104 CHEM 2323/CHEM 2123

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