

# Academic Learning Compact - Environmental Engineering

Environmental engineering applies engineering and scientific principles to protect and preserve human health and the environment. It embraces broad environmental concerns, including air and water quality, solid and hazardous wastes, groundwater protection and remediation, water resources and management, environmental policy, radiological health, environmental biology and chemistry, systems ecology, water and wastewater treatment and wetlands ecology.

This program is accredited by the Engineering Accreditation Commission of [ABET](#).

Additional information is available from your [major's website](#).

## Before Graduating You Must

- Pass assessment by two or more faculty or industrial practitioners of student performance on a major design experience.
- Pass assessment in two courses of individual assignments targeted to each particular learning outcome. Assessment will be provided by the instructor of the course according to department standards.
- Complete an exit interview in your final semester.
- Complete requirements for the baccalaureate degree, as determined by faculty.

## Skills You Will Acquire in the Major (SLOs)

1. Apply knowledge of mathematics, science and engineering principles to environmental engineering problems.
2. Design and conduct environmental engineering experiments and analyze and interpret the data collected.
3. Design an environmental engineering system, component or process to meet desired needs within realistic economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability constraints.
4. Communicate technical data and design information effectively in writing and in speech to project stakeholders.

Courses	Content		Critical Thinking	Communication
	SLO 1	SLO 2	SLO 3	SLO 4
EES 4102L		X		
EES 4201	X			

ENV 3040C	X			
ENV 4041C		X		
ENV 4514C			X	X
Capstone Design Elective			X	X