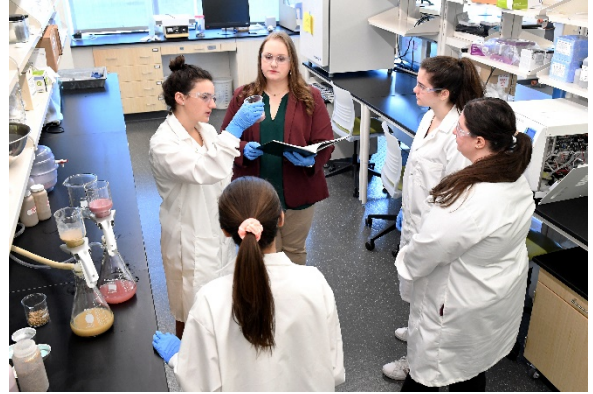


CERTIFICATE OF UNDERGRADUATE STUDY IN ENVIRONMENTAL ENGINEERING

The Certificate of Undergraduate Study (CUGS) in Environmental Engineering offers students an opportunity to obtain additional specialized coursework in Environmental Engineering and related disciplines beyond that allowed by the BS program in Civil Engineering.

The coursework is designed to facilitate immediate transference to pollution prevention design applications in the United States.



Environmental Engineering CUGS Courses

Complete the Following Course:

CEE 08311	Environmental Engineering I	3 Credits
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Complete One Course from the Following List:

CEE 08412	Environmental Treatment Process Principles	3 Credits
CEE 08413	Introduction to Environmental Management	3 Credits
CEE 08422	Site Remediation Engineering Principles	3 Credits
CEE 08431	Solid and Hazardous Waste Management	3 Credits
CEE 08432	Pollutant Fate and Transport Principles	3 Credits
CEE 08433	Principles of Integrated Solid Waste Management	3 Credits

Complete Two Additional Courses from the Following List:

CHEM 06101	Chemistry II	4 Credits
CHEM 08200	Organic Chemistry I	4 Credits
EVSC01305	Contaminants in the Environment	3 Credits
EVSC01350	Field Methods in Environmental Science	3 Credits
EVSC01490	Advanced Special Topics in Environmental Science	3 Credits
BIOL02410	Stream Ecology	3 Credits
BIOL02425	Environmental Toxicology	3 Credits
ENST 94301	Environmental Ethics	3 Credits

* CEE 08311 Environmental Engineering or CEE 08312 Sustainable Civil and Environmental Engineering are prerequisite for the program.

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CEE 08311 Environmental Engineering or CEE 08312 Sustainable Civil and Environmental Engineering are prerequisite for the program.

Students will complete the following course (3 s.h.)

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	CEE 08311	Environmental Engineering I				3

Students will complete one course (3 s.h.) from the following list:

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	CEE 08412	Environmental Treatment Process Principles				3
<input type="radio"/>	CEE 08413	Introduction to Environmental Management				3
<input type="radio"/>	CEE 08422	Site Remediation Engineering Principles				3
<input type="radio"/>	CEE 08431	Solid and Hazardous Waste Management				3
<input type="radio"/>	CEE 08432	Pollutant Fate and Transport Principles				3
<input type="radio"/>	CEE 08433	Principles of Integrated Solid Waste Management				3

Students will complete 2 additional courses (6 to 8 s.h.) from the following list

	Course #	Course Name	Course Attributes / Notes	Sem/Yr	Grade	Credits
<input type="radio"/>	CHEM 06101	Chemistry II				4
<input type="radio"/>	CHEM 08200	Organic Chemistry I				4
<input type="radio"/>	EVSC01305	Contaminants in the Environment				3
<input type="radio"/>	EVSC01350	Field Methods in Environmental Science				3
<input type="radio"/>	EVSC01490	Advanced Special Topics in Environmental Science				3
<input type="radio"/>	BIOL02410	Stream Ecology				3
<input type="radio"/>	BIOL02425	Environmental Toxicology				3
<input type="radio"/>	ENST 94301	Environmental Ethics				3
						total: 12-14 sh