

# Environmental Chemistry, Minor

The minor in environmental chemistry offers an opportunity for students of any background interested in environmental sciences to better understand the chemistry of the environment. Students completing the minor in environmental chemistry have an opportunity to learn about the chemical processes of natural systems and environmental pollutants, while earning a credential that highlights their interest and expertise. This can be a useful course of study whether their primary degree and career will be in one of the traditional chemical, environmental, or engineering programs, or another allied field. No more than two courses (totaling 8 SH to 10 SH) may double count with any major degree requirements.

## Minor Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified.

*Note:* No more than two courses (totaling 8 SH to 10 SH) may double count with any major degree requirements.

## Required Courses

Code	Title	Hours
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### Environmental Chemistry Core

Complete one of the following:		4
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ENVR 3410	Environmental Geochemistry	
CIVE 2335	Environmental Engineering Chemistry	

### Chemistry Core

Complete one of the following:		5
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CHEM 2321 and CHEM 2322	Analytical Chemistry and Lab for CHEM 2321	
CHEM 2331 and CHEM 2322	Bioanalytical Chemistry and Lab for CHEM 2321	
CHEM 3521 and CHEM 3522	Instrumental Methods of Analysis and Instrumental Methods of Analysis Lab	

### Research Experience

Complete one of the following:		4
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CHEM 4750	Senior Research	
CHEM 4770	Chemistry Capstone	
CHEM 4901	Undergraduate Research	
CHEM 4992	Directed Study	
ENVR 4900 or ENVR 4997	Earth and Environmental Science Capstone Senior Thesis	
ENVR 4992	Directed Study	
CIVE 4991	Research	
CIVE 4992	Directed Study	

## Electives

Code	Title	Hours
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Complete two of the following:		8-9
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CIVE 2335	Environmental Engineering Chemistry (If not used to satisfy Environmental Chemistry Core)	
CIVE 3435	Environmental Pollution Fate and Transport	

ENVR 4504	Environmental Pollution
CIVE 5300	Environmental Engineering Laboratory
ENVR 3125	Global Oceanic Change
ENVR 3410	Environmental Geochemistry (If not used to satisfy Environmental Chemistry Core)
ENVR 4500 and ENVR 4501	Applied Hydrogeology and Lab for ENVR 4500
ENVR 4505	Wetlands
ENVR 5190	Soil Science

## GPA Requirement

Minimum 2.000 GPA required in all major courses

## Credit Requirement

Minimum of 21 hours required