MINOR IN ENVIRONMENTAL ENGINEERING

In order to permit undergraduate students in any engineering major to take advantage of CSU's environmental expertise, the Department of Civil and Environmental Engineering offers a minor in Environmental Engineering. The minor is designed to broaden the academic background of undergraduate engineering students seeking a career in environmental fields, and to provide fundamentals required to pursue a graduate degree in environmental engineering or related fields.

Requirements
Effective Fall 2020

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

Code	Title	Credits
Required Courses		
Select 9 credits from the following:		9
CIVE 330	Ecological Engineering	
CIVE 438	Fundamentals of Environmental Engr [1]	
CIVE 440	Nonpoint Source Pollution	
CIVE 442	Air Quality Engineering	
Elective Courses		
Select 12 credits from the following, of which at least 3 credits must be upper-division:		12
ATS 350	Introduction to Weather and Climate	
ATS 351	Introduction to Weather and Climate Lab	
BC 351	Principles of Biochemistry	
BZ 471	Stream Biology and Ecology	
BZ 472	Stream Biology and Ecology Laboratory	
CHEM 245	Fundamentals of Organic Chemistry	
CHEM 246	Fundamentals of Organic Chemistry Laboratory	
CHEM 341	Modern Organic Chemistry I	
CHEM 345	Organic Chemistry I	
CIVE 330	Ecological Engineering [2]	
CIVE 413	Environmental River Mechanics	
CIVE 423	Groundwater Engineering	
CIVE 437	Wastewater Treatment Facility Design	
CIVE 440	Nonpoint Source Pollution [2]	
CIVE 442	Air Quality Engineering [2]	
CIVE 455	Applications in Geotechnical Engineering	
ERHS 446	Environmental Toxicology	
LIFE 102	Attributes of Living Systems (GT-SC1)	
LIFE 320	Ecology	
MECH 463	Building Energy Systems	
MIP 300	General Microbiology	
MIP 432/ESS 432	Microbial Ecology	
PHIL 345	Environmental Ethics	
Program Total Credits:		**21**

1. Students in the Civil Engineering major cannot use CIVE 438 for credit in the minor.
2. May be allowed if not taken as a required course.