

# INTRODUCING A NEW MINOR IN ENVIRONMENTAL ENGINEERING FOR STEM UNDERGRADS

Environmental Engineering is a rapidly growing field utilizing diverse areas of engineering, technology, math and science. This minor contains both science and engineering coursework at the undergraduate level that will prepare students to work in environmental engineering and related fields. Additionally, the minor prepares these students with the undergraduate courses needed to enter post-graduate degrees in environmental engineering.

## Admission Requirements

Student majoring in an engineering, technology, science, or math discipline.

Minor Requirements: 18 credit hours (not including pre-requisites), minimum of 2.5 GPA with a grade of C or better in each minor course.

The initial administrator will be **Mark Krzmarzick**, Associate Professor in the School of Civil and Environmental Engineering

[mark.krzmarzick@okstate.edu](mailto:mark.krzmarzick@okstate.edu)  
405-744-9308

## This minor will consist of:

### Four CORE COURSES

CHEM 3053: Organic Chemistry I  
CIVE 3813: Environmental Engineering Science  
CIVE 3853: Environmental Engineering Laboratory  
CIVE 4833: Unit Operations

### PLUS One of the following (Environmental Science Courses):

BAE 4324: Water Quality Engineering  
CHEM 3153: Organic Chem II  
CHEM 3433: Physical Chemistry I  
CIVE 4013: Aquatic Chemistry  
CIVE 4903: Microbiology for Engineers  
MICR 2123: Introduction to Microbiology

### PLUS One of the following (Environmental Design Courses):

BAE 5343: Environmental Contaminant Transport  
CIVE 4853: Bioremediation  
CIVE 4873: Air Pollution  
CIVE 4883: Introduction to Environmental Modeling  
CIVE 4953: Biological Waste Treatment  
CIVE 4933: Water Treatment  
CIVE 4050 and BAE 4400 courses in environmental engineering topics (*requires approval of the minor administrator*)



SCHOOL OF  
**CIVIL AND ENVIRONMENTAL  
ENGINEERING**

College of Engineering, Architecture and Technology