

CHEMISTRY AND THE ENVIRONMENT OPTION

This option is offered within the following major(s):

- Environmental Sciences - College of Earth, Ocean, and Atmospheric Sciences (<http://catalog.oregonstate.edu/college-departments/earth-ocean-atmospheric-sciences/environmental-sciences-bs-hbs>)

This program prepares students to pursue the chemistry of environmental issues. Knowledge of chemistry to apply to environmental issues ranging from water quality to soil contamination, pesticides to naturally occurring minerals, and chemical exchanges between the atmosphere, biota, water, soils, and the lithosphere is central to environmental science. Students with the knowledge and skills gained in this option will be prepared for field- and laboratory-based jobs in the private sector (consultancies and industry), government agencies, and non-governmental organizations, or to continue their education in graduate school.

Option Code: 916

Code	Title	Hours
Core Courses		
CH 331	ORGANIC CHEMISTRY	4
CH 332	ORGANIC CHEMISTRY	4
CH 390	ENVIRONMENTAL CHEMISTRY	3
GEO 431	ENVIRONMENTAL GEOCHEMISTRY	3
Electives		
Select a minimum of 13 credits from the following:		13
BB 350	ELEMENTARY BIOCHEMISTRY	
or BB 450	GENERAL BIOCHEMISTRY	
CH 324	QUANTITATIVE ANALYSIS	
CH 337	ORGANIC CHEMISTRY LABORATORY	
CH 411	INORGANIC CHEMISTRY	
CH 412	INORGANIC CHEMISTRY	
GEO 484	INTRODUCTION TO BIOGEOCHEMISTRY	
OC 450	CHEMICAL OCEANOGRAPHY	
SOIL 445	ENVIRONMENTAL SOIL CHEMISTRY	
TOX 411	FUNDAMENTALS OF TOXICOLOGY	
TOX 430	CHEMICAL BEHAVIOR IN THE ENVIRONMENT	
TOX 455	ECOTOXICOLOGY: AQUATIC ECOSYSTEMS	
TOX 490	ENVIRONMENTAL FORENSIC CHEMISTRY	
Total Hours		27

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