

## ENV 330 : Soil and Water Chemistry (+lab)

Soil and Water Chemistry is the application of chemical principles to the study of the geosphere and hydrosphere. Soil chemistry includes soil formation, solid and solution phase chemistry, ion exchange processes and soil nutrients. Water chemistry concentrates on chemical equilibrium, acid-base chemistry, oxidation-reduction reactions and chemical limnology. Students will build upon fundamentals gained in Principles of Chemistry and Water Resources, focusing on local soil and surface water resources. Students will perform standard analytical techniques in laboratory classes to assess soil and water samples, preparing them for careers in analytical labs and further graduate study. A \$50 lab fee is charged.

**Credits** 4

### **Prerequisite Courses**

[CHE 101: Principles of Chemistry I \(+lab\)](#)

[ENV 201: Water Resources \(+lab\)](#)

### **Semester Offered**

Offered fall of even-numbered years