



# Environment and Natural Resources

## **Have the ability to think critically in solving environmental and management problems related to Environmental Science.**

Describe what critical thinking is, how evidence is used to develop an argument, and how to avoid errors in critical thinking.

Evaluate the extent to which critical thinking is employed in a group research project related to environmental science, forestry/fisheries/wildlife science and management, natural resource management, environmental policy and decision making, or similar fields related to environmental sustainability.

Apply critical thinking to a real world environmental issue in which the role of the soil is central, such as food security, land degradation, carbon cycle/global change, downstream water quality.

## **Know how to apply theoretical concepts of environmental science to address contemporary environmental and natural resource issues.**

Relate concepts from social science theories to describe human dimensions of real-world environmental challenges.

## **Communicate effectively in oral and written forms.**

Demonstrate a basic level of sufficiency in written communication.

Demonstrate a basic level of sufficiency in oral communication.

## **Communicate effectively in oral and written forms.**

Apply theoretical concepts in environmental science to understand how Earth's biotic and abiotic systems function, how humans affect the environment, and how to achieve global sustainability.

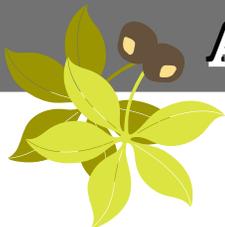
Demonstrate an understanding

of abiotic components of natural systems, such as illustrating elements of the hydrologic cycle, and integration of the abiotic and biotic systems, such as illustrating elements of the carbon and nitrogen cycles.

## **Understand human systems with breadth across individual, community, and polity levels of organization.**

Identify concepts, theories and examples relevant to understanding human systems across individual, community, and polity levels of organization.

Appraise the nature and values of organizations and polities and their importance in social problem solving and policy making related to environmental and natural resource issues.



# Arts and Science and Business Technologies



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,  
AND ENVIRONMENTAL SCIENCES