

# SOIL AND ENVIRONMENTAL SCIENCES

The Department of Soil and Environmental Sciences provides undergraduate and graduate education in the environmental, agricultural, and natural resource aspects of soils. Areas of emphasis include soil ecology, soil erosion management, soil fertility and plant nutrition, soil physical and chemical characterization, biogeochemistry, urban soils, soil carbon, soil health, soil contaminants, waste management, pedology, and land-use analysis.

Soils are a critical natural resource in environmental protection, food and fiber production, turf and grounds management, rural and urban planning, and waste disposal. All of these facets are integrated into the department's course offerings and research programs. Soil Science majors prepare for professional, technical, consulting, and project positions in environmental sciences, ecology and restoration, crop and timber production, soil informatics, soil conservation, environmental pollution control, turf and grounds management, and land-use planning. Please contact the department for further information on career opportunities.

Students completing an undergraduate major in Soil Science earn a bachelor of science degree. A problem-solving "capstone course" that integrates knowledge gleaned from a diversity of courses is required.

The department also serves as the administrative home for the Environmental Sciences major in the College of Agricultural and Life Sciences.

## DEGREES/MAJORS/CERTIFICATES

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- Environmental Sciences, BS (CAL) (<https://guide.wisc.edu/undergraduate/agricultural-life-sciences/soil-environmental-sciences/environmental-sciences-bs/>)
- Environmental Soil Science, Certificate (<https://guide.wisc.edu/undergraduate/agricultural-life-sciences/soil-environmental-sciences/environmental-soil-science-certificate/>)
- Soil Science, BS (<https://guide.wisc.edu/undergraduate/agricultural-life-sciences/soil-environmental-sciences/soil-science-bs/>)

## RESOURCES AND SCHOLARSHIPS

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Financial support – in the form of approximately 15 scholarships, part-time employment, paid internships, and work-study programs – is available to qualified undergraduate students.