

Center for Environmental Sciences



Millersville University Center for Environmental Sciences (MU CES) - is dedicated to research and education relating to the understanding, management, and protection of the natural resources of the lower Susquehanna region. Our goals are to promote the conservation of our natural resources and thus enhance the quality of life of all citizens by being an intellectual resource to the regional Community and becoming an active partner with the private, governmental, and non-profit sectors in environmental protection.

DEGREES

MINORS

A traditional academic discipline is an important foundation upon which to build expertise in a specific environmental area. Our five multi-disciplinary environmental minors are designed to complement majors in the sciences, humanities, and social sciences. Increasingly environmental problems are addressed by multidisciplinary teams, so the minors prepare students to operate in this multidisciplinary setting. These environmental minors are coordinated by the Center for Environmental Science, and the Director of the CES is the primary contact concerning them.

- **Environmental Policy and Regulation Minor:** 18 s.h. This minor is preparation to move successfully toward graduate school in policy or as staffers in the environmental regulation/policy community. [Curriculum sheet \(PDF\)](#)
- **Industrial and Environmental Health Minor:** 19-21 s.h. This minor provides the background needed to understand the impact of environmental issues on public health. [Curriculum sheet \(PDF\)](#)
- **Land Use Minor:** 18-19 s.h. This minor explores the physical and economic impact of human land use practices and the ways in which land use can be sustainable both for human life and for the maintenance of essential biological diversity. [Curriculum sheet \(PDF\)](#)
- **Quantitative Methods in Environmental Science Minor:** 18 s.h. This minor provides the quantitative and technical skills that are valued by both employers and graduate programs in environmental science. [Curriculum sheet \(PDF\)](#)



- **Water Resources Minor:** 18-21 s.h. This minor provides an environmental perspective on water resource issues including remediation techniques and solutions, chemical analysis techniques, and the use of aquatic organisms to monitor contamination and recovery. [Curriculum sheet \(PDF\)](#)



OUR MISSION

Our mission is to foster collaboration both within the University community and with outside governmental agencies, no-profit organizations and private sector enterprises concerning environmental research and education. MUCES assists the Millersville University academic departments in opportunities for continuing education for environmental professionals and community leaders. Indeed the cooperative ventures between MUCES and non-profit, private, and governmental sectors are an excellent way both to serve those regional community needs and to provide high quality, career-oriented, educational experiences for our students.

PROGRAMS OF STUDY

Millersville offers a variety of programs of study for undergraduates in environmental science. Interested students should investigate programs in the following:

- Environmental Biology and Marine Biology Options in the [Biology Department](#)
- Environmental Chemistry Option in the [Chemistry Department](#)
- Meteorology, Geology, and Oceanography programs in the [Department of Earth Sciences](#)
- Environmental Studies Option in the [Geography Department](#)
- Occupational Safety and Environmental Health program in the [Applied Engineering, Safety & Technology Department](#)
- The interdisciplinary minor in [Environmental Hazards and Emergency Management](#)

MUCES PROVIDES a forum for scientists, planners, developers, agriculturists, educators, manufacturers and processors, government agencies, and community leaders to exchange information in support of environmental stewardship. The center promotes research, collaborations, and novel approaches to regional environmental problems in the four major areas of air quality, land use, water resources, and biological resources. To contact a technical expert, media consultant or a scientist interested in speaking to school or civic groups please use the lists under "[Services](#)."

ACADEMIC DEPARTMENT MEMBERSHIP

BIOLOGY DEPARTMENT: <http://www.millersville.edu/biology/>

CHEMISTRY DEPARTMENT: <http://www.millersville.edu/chemistry/>

EARTH SCIENCES DEPARTMENT: <http://www.millersville.edu/esci/>

APPLIED ENGINEERING, SAFETY AND TECHNOLOGY:
<http://www.millersville.edu/aest/>

GEOGRAPHY DEPARTMENT: <http://www.millersville.edu/geography/>

WEATHER INFORMATION CENTER:
<http://www.atmos.millersville.edu/~wic/>



CONTACT INFORMATION

MUCES Director: [Dr. John R. Wallace](#)