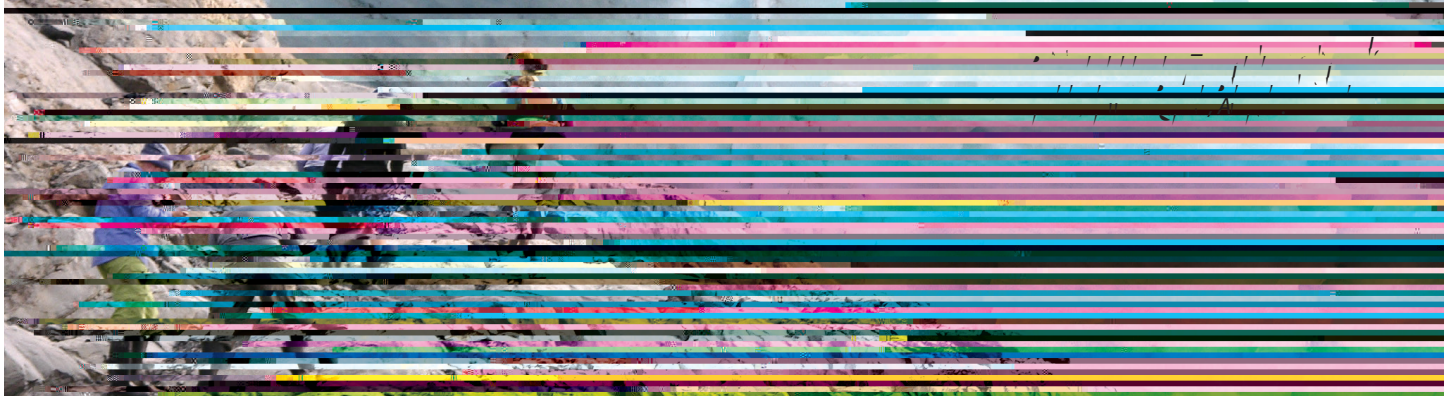


ENVIRONMENTAL EARTH AND OCEAN SCIENCES



Located in the Appalachian Mountain belt, Millersville Environmental Earth and Ocean Sciences (EEOS) explores the Earth's diverse systems. By studying everything from coastal ocean systems to large-scale plate tectonics, our EEOS majors leave Millersville University well-versed in the environmental sciences and confident that they have the skills necessary for the future.

DEGREES/CONCENTRATIONS

BACHELOR OF SCIENCE (B.S.)

The EEOS program offers small class sizes, hands-on learning opportunities, field study and research experiences. Students choose one of the concentrations listed below.

Environmental Geology – Students learn the foundations of modern geoscience using the tools and technology critical to solve environmental problems. Extensive field experience allows students to apply their skills and gain experience. This concentration meets all academic requirements for licensure as a professional geologist.

Environmental Ocean Sciences – Students gain a solid understanding of ocean science fundamentals and a practical working knowledge of sampling the marine environment. Field-intensive courses taught during the summer months at the Chincoteague Bay Field Station (CBFS) provide the graduate with practical experience in making environmental measurements in real-world conditions.

Environmental Earth Sciences – Multidisciplinary in design, this program provides a broad base in the earth and its resources. Students use this foundation as a starting point to work with their academic advisor to design a sequence of courses focused on their specific environmental interests.

WHY BE AN ENVIRONMENTAL SCIENTIST?

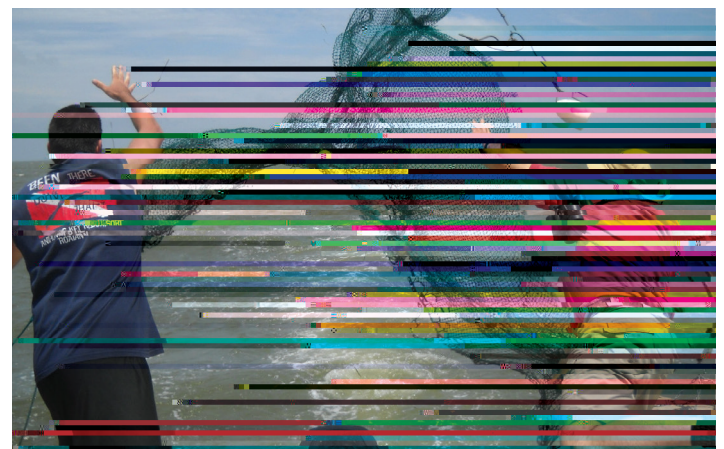
The increased need for energy, environmental protection, and responsible land and water resource management is projected to spur demand for geoscientists (Bureau of Labor Statistics, 2020). Employment of geoscientists is projected to grow 11% from 2016 to 2026, faster than the average for all occupations (Wilson, 2019). According to the U.S. Department of Labor, the median annual salary for geoscientists is slightly over \$90,000, and job growth through the next decade is projected to be faster than average. www.bls.gov/ooh/life-physical-and-social-science/geoscientists.htm

INTERNSHIPS AND RESEARCH

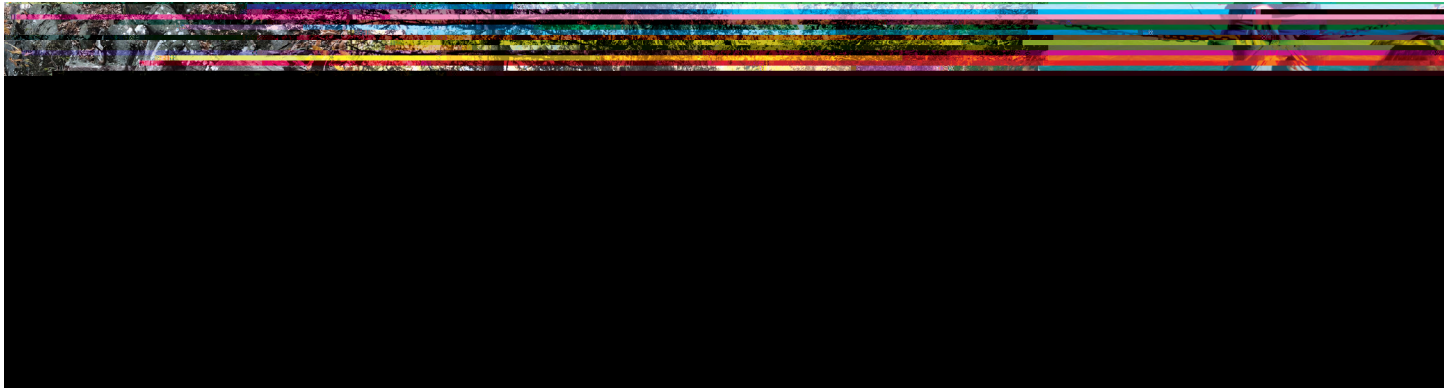
We encourage every student majoring in EEOS to pursue an internship experience outside the department. In recent years, students have had paid internships with both regional and national geologic engineering and environmental geoscience firms. Our students have also secured paid internships with the PA Department of Environmental Protection and the PA Department of Conservation and Natural Resources. In addition, many students undertake significant scientific research projects, working closely with faculty advisors to solve real-world problems in environmental earth and ocean sciences.

FACULTY AND CLASS SIZE

All EEOS classes and labs are taught by faculty with Ph.Ds. Classes for EEOS majors have a maximum size of 24, and most are smaller. Instead of sitting in a large lecture hall with hundreds of other students and having labs taught by teaching assistants, Millersville Environmental Earth and Ocean Sciences students get personalized attention from faculty.



Mollusk! (R.V.)



FACILITIES AND EQUIPMENT

Student Study Room – Equipped with computers, chalkboards, reference books and textbooks, the student study room is a place for our students to work collaboratively on assignments and projects.

Software – In addition to GIS and statistical software, the earth sciences department has licenses for GMS-MODFLOW groundwater modeling software, Rockworks (a suite of geologic utilities) and PETRA co

