

EARTH SCIENCES



An understanding of natural Earth systems has been more critical to the health and sustainability of our planet. We are engaged in the discovery of climate change, and our nation has a real challenge to build a sustainable future that meets the needs of all.

— Richard D. Clark, Department Chairperson

The Department of Earth Sciences provides a rich, authentic and challenging learning experience in the areas of geology, meteorology, ocean science and coastal studies, earth science education and general earth sciences, for every student, both major and nonmajor. We strive to achieve this through enlightened and comprehensive curricula, modern facilities and equipment, meaningful opportunities for students to engage in extracurricular activities, and by attentiveness to inter- and cross-disciplinary trends and opportunities for student engagement.

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Value Statement — Provide a learning experience in the earth sciences that is second to none.

DEGREES/CONCENTRATIONS

BACHELOR OF SCIENCE (B.S.)

Geology — An excellent foundation in the physical structure and substance of the earth, its history and the processes that act on it. The geology program offers small class sizes, hands-on learning opportunities, field study and research experiences. Students earning a B.S. in geology exceed requirements for professional geology licensure and are prepared for entry into either the workforce or graduate school.



Earth Science Education — This program is for students interested in pursuing careers as middle school or high school educators in the field of earth sciences. Students obtain certification in earth and space science upon completion of the program. Education courses and student-teaching experiences are offered in conjunction with the College of Education.

For more information, contact the Department of Earth Sciences at 717-871-4359 or visit our website at www.millersville.edu/earthsciences.



The Department of Earth Science has sustained solid growth since its founding. Each student follows a contemporary and comprehensive curriculum that reflects long-term trends in the scientific disciplines, while moving toward a more holistic, integrated earth systems approach so that our graduates gain the credentials needed to serve science and society in the 21st century. The department will remain dedicated to creating authentic learning experiences for students by exposing them to the latest scientific equipment and technology, both in the classroom and in research settings.

Undergraduate Research – The opportunity to conduct undergraduate research is one of the many highlights of the department's programs. Students have been involved in research projects funded by the National Science Foundation, NASA and the Department of Defense, to name a few.

One of the Best Departments – Every department student is

