Graduate Study in Earth & Environmental Sciences

Our department offers research and educational programs to explore the dynamic earth processes and complex ecosystems that deal with current and future challenges of resource conservation and environmental quality. We explore interactions among environmental processes that involve the biosphere, lithosphere, and hydrosphere and offer a cross-disciplinary perspective and training for sound decision making by earth and environmental scientists, managers and planners.

We have a multi-faceted degree program with many options for students, including Undergraduate Degree Programs in Earth & Environmental Sciences and Environmental Health Sciences, Master’s Degree Programs in Earth & Environmental Sciences and Earth Science Teaching, and a Ph.D Program in Environmental Sciences. Our Master of Science in Earth Science Teaching (MST) program is recognized nationally and provides training for teaching professionals.

Research
The research focus areas in the department are: Aquatic Processes and Biogeochemistry, Hydrogeology and Hydrology, Geophysics and Computational Science, Watershed Processes, Geospatial Analysis and Remote Sensing, Paleobiology, Paleoecology & Sedimentary Environments, and Earth Science Education. These core areas reflect the expertise and research interests of our faculty. We prepare our students for careers in various fields and disciplines that have a bright future.

Our graduates have the ability to address complex, real-world challenges, since they acquire a strong foundation in the basic sciences and an advanced training in interdisciplinary and emerging fields.