



# Earth Systems Science



## Earth Systems Science at UNH

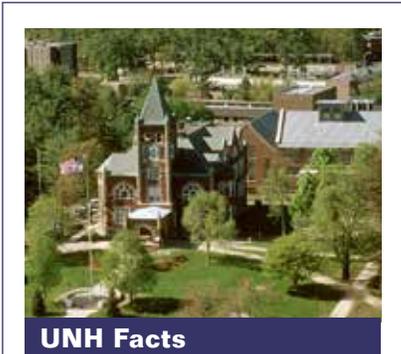
THE UNH Institute for the Study of Earth, Oceans, and Space (EOS) Earth Systems Research Center is dedicated to understanding the Earth as an integrative system through studies that cross traditional academic boundaries and reach all corners of the globe. Our scientists and students study the Earth's ecosystems, atmosphere, water, and ice using field measurements, remote sensing, and both small- and large-scale mathematical models.

Emphasis is placed on basic science and the increasing role of humans as agents of environmental change. An emerging focus is on sustainability science, which employs a systems-based approach to studying coupled human-natural systems.



The nationally and internationally recognized faculty and research programs provide a wide range of opportunities for graduate study in Earth systems science.

Our faculty and graduate students work jointly with the Department of Natural Resources and the Environment within the College of Life Sciences and Agriculture (COLSA), the Department of Earth Sciences within the College of Engineering and Physical Sciences (CEPS), and the Natural Resources and Earth Systems Science (NRESS) Ph.D. program. While graduate students conduct their research under the auspices of EOS, they earn degrees within these academic departments of the University.



### UNH Facts

- UNH is ranked a “high-impact university” in forestry, geoscience, and environmental science citations.
- Ecosphere ranked UNH second among 316 North American institutions in scholarly productivity in the field of ecology.

[www.eos.unh.edu/agu](http://www.eos.unh.edu/agu)

## Fields of Study

The interdisciplinary NRESS Ph.D. program provides opportunities for students to participate in advanced research. Earth systems science faculty research areas include atmospheric chemistry, atmospheric and ocean dynamics, marine and terrestrial biogeochemistry, climate change, forest and wetland ecology, marine fisheries, hydrology, marine chemistry, geochemistry, paleoclimatology, remote sensing of terrestrial and coastal ocean ecosystems, and the interlinked physical processes at the frontier of the dynamic Sun-Earth system.

Ph.D. students enroll in the interdisciplinary program and tailor their academic path with guidance from an advisory committee. Two degrees are offered under the cross-college program: a Ph.D. in Natural Resources & Environmental Studies, and a Ph.D. in Earth & Environmental Sciences.

At the master's level, students are matriculated in the Department of Natural Resources and the Environment, the Department of Earth Sciences, and the Department of Biological Sciences. The Department of Natural Resources and the Environment offers a degree in natural resources with six options: general, wildlife and conservation biology, forestry, soil and water resource management, environmental conservation, and environmental economics. The Department of Earth Sciences has five M.S. options: geology, hydrology, oceanography, ocean mapping, and geochemical systems.

For information on programs and how to apply, visit:  
Earth Systems Science at <http://www.eos.unh.edu/grads/essgrad.shtml>  
NRESS Ph.D. at <http://www.unh.edu/nressphd/>  
UNH Graduate School at <http://www.gradschool.unh.edu>.