ABOUT EOAS

The Department of Earth, Ocean, and Atmospheric Science (EOAS) conducts research and offers instruction in the fields of Environmental Science, Geology, Oceanography, and Meteorology. The Department’s goals are to contribute to scientific knowledge by conducting world-class research, and to be a source of information for the public and decision makers. The department offers undergraduate degrees in environmental sciences with a strong interdisciplinary core, and in geology and meteorology. Graduate degrees are offered in environmental science, geology, oceanography and meteorology at MS and PhD levels.

To offer the best education, our tenure track faculty personally teach and mentor students, minimizing the role of adjuncts. EOAS faculty are resolute in the belief that their science plays an essential role in the life of the University, state and nation and in the education of tomorrow’s leaders. They are committed to expanding and strengthening that role. EOAS faculty are also committed to offering students rigorous field-camps, research experiences and expeditions, and internships. These experiences are essential to a well-rounded education. EOAS maintains excellence in its established areas of research with vigorous recruitment of highly qualified graduate students and faculty.

Contact Us

Michaela Lupiani
Academic Advisor
mlupiani@fsu.edu
Geology/Oceanography/AES

Shel McGuire
Academic Advisor
smcguire@fsu.edu
Meteorology

Tim McGann
Academic Advisor
tmcgann@fsu.edu
Environmental Science
**GEOLOGY**

Geology is the study of the Earth and includes understanding of the dynamic processes that influence the Earth’s surface, solid Earth, life, and climate. Geoscience majors utilize fundamental concepts in chemistry, physics, and biology to examine the dynamics of the Earth system to understand the interactions between the biosphere, atmosphere, hydrosphere, and solid Earth. Apart from regular lecture and lab courses as well as rigorous training in field exploration, geoscience majors also have the opportunity to pursue research in a variety of fields, including geochemistry, tectonics, hydrology, geophysics, hydrology, paleoclimatology, and paleoceanography.

**Undergraduate Degrees:**
Geology B.S.

**Graduate Degrees:**
Geological Science M.S.
Geological Science Ph.D.

**METEOROLOGY**

The Meteorology program at Florida State University is the largest and most complete program in the southeastern United States. Meteorologists are needed in research, forecasting, and operational positions to study, interpret and predict weather and climate processes and patterns and to relate these to real-world applications. Faculty and students benefit from cooperative relationships with the Center for Ocean-Atmospheric Prediction Studies, the Geophysical Fluid Dynamics Institute, and the Tallahassee office of the National Weather Service. In addition, the meteorology program also houses a student-run weathercasting studio that produces a nightly weather show. Many prominent weathercasters broadcasting today, such as Stephanie Abrams, graduated from Florida State University Meteorology Program.

**Undergraduate Degrees:**
Meteorology B.S.

**Graduate Degrees:**
Meteorology M.S.
Meteorology Ph.D.

**OCEANOGRAPHY**

The graduate program in Oceanography offers both Master of Science and Doctor of Philosophy degrees with specializations in the following areas. Biological oceanography seeks to obtain a predictive understanding of the activities and distributions of marine organisms, from microbial communities to large marine mega-fauna, from tropical to polar oceans, and from the land-ocean interface to the deep sea. Chemical oceanographers study the mechanisms that control the distribution of elements and compounds in the atmosphere, ocean, coastal waterways, and sediments on the sea floor. Additionally chemical oceanographers study the geochemistry of the aquatic environments and soils that transfer material to the ocean. Physical Oceanography is focused on the interaction between the oceans and the atmosphere, wave motions, tides, currents, salinity and temperature of the oceans and how those properties influence weather and climate. Students participate in research both in the laboratory and in the field including oceanographic research cruises.

**Graduate Degrees:**
Oceanography M.S.
Oceanography Ph.D.

**ENVIRONMENTAL SCIENCE**

Environmental Science is the interdisciplinary study of processes that shape our environment. Drawing principally from the areas of oceanography, chemistry, biology, geology, and meteorology, the Environmental Science program at FSU prepares students for a variety of careers and is an attractive option for students seeking a broad interdisciplinary major.

**Undergraduate Degrees:**
Environmental Science B.S.
Environmental Science & Policy B. A.
FSU-Teach/Environmental Science BS
FSU-Teach/Geosciences BS

**Graduate Degrees:**
Aquatic Environmental Science M.S., PSM,
Law/Aquatic Environmental Science J.D./M.A.E.S.
Physical Environmental Science Ph.D.