



PhD Position in Integrated Coastal Sciences at East Carolina University

A PhD student assistantship is available in the area of watershed-scale hydrological and water quality modeling at East Carolina University (ECU). The student will work on an NSF-funded interdisciplinary project simulating how sea level rise and land management changes alter coastal ecosystems. The student will work under the supervision of Dr. Randall Etheridge (Dept. of Engineering & Center for Sustainable Energy and Environmental Engineering). The project is led by Dr. Ariane Peralta (Dept. of Biology) in collaboration with Drs. Greg Howard (Dept. of Economics), David Griffith (Dept. of Coastal Studies), and Enrique Reyes (Dept. of Biology). The PhD student will have a primary focus on coastal natural sciences with a secondary focus on coastal health and social sciences. More details on the Integrated Coastal Sciences (ICS) PhD program can be found on the program's [website](#).

The ICS PhD student will work closely with engineering, biology, economics, and coastal studies faculty at ECU, as well as other students, to support an NSF-funded project to study how perceptions of ecosystem health, various policies, and sea level rise alter land use decisions by farmers, which then can change ecosystem outcomes. The qualified candidate will have a strong undergraduate or graduate training in ecological/environmental engineering, hydrology, water quality, and/or environmental modeling. Candidates with an interest in interdisciplinary research and a familiarity with geospatial analysis and the SWAT+ model are strongly encouraged to apply.

To apply, please contact Dr. Randall Etheridge (etheridgej15@ecu.edu) by February 5, 2021 with your CV, unofficial transcript(s), and a short statement describing prior research experience and interests. Review of full applications to the ICS PhD Program will begin on March 1, 2021 and will continue until the position is filled. ICS PhD Program graduates place routinely in faculty positions within interdisciplinary departments, work for non-profit organizations and government research agencies.

The Departments of Engineering, Economics, Engineering, Biology, Coastal Studies, and the Center for Sustainable Energy and Environmental Engineering at East Carolina University take pride in the diversity of our students, faculty, and staff and strive to increase that diversity. We encourage applications and inquiries from members of groups underrepresented in engineering or the natural sciences.