



Dr. Qubin Qin's Lab (<https://coastal.ecu.edu/coastalstudies/qubin-qin/>) at the Department of Coastal Studies, East Carolina University, invites applications for a fully-funded Ph.D. position for enrollment in fall 2024. We are seeking a passionate and dedicated individual with an interest in numerical modeling to join our research team, contributing to cutting-edge studies in estuarine and coastal environment using numerical models and in-situ measurements. The position will provide full tuition coverage, stipend, and fees.

Research Focus:

You will have the opportunity to delve into two research topics:

1. **Understand estuarine physics**, including hydrodynamics, salinity, and water temperature, **and how these physical processes impact biogeochemical and ecological processes;**
2. **Understand and address coastal environmental issues under climate change and human activities:** Tackle issues such as eutrophication, hypoxia, harmful algal blooms, contaminants, pathogen pollution, saltwater intrusion, stormwater pollution, and habitat degradation.

Preferred qualifications:

Experience with Python, MATLAB, or other programming language

Experience analyzing geoscience, ecology, or related datasets

Undergraduate coursework that includes calculus is desirable

Contact Information:

If interested, please email me (qinq23@ecu.edu) with a copy of your resume/CV and transcript (unofficial copy is fine).