



Dr. Guangxiao Hu (<https://guangxiao-hu.github.io/>) in the Department of Earth, Environment, and Planning at East Carolina University invites applications for a fully funded Ph.D. position in the Integrated Coastal Sciences program and a fully funded Master's student position in the M.S. in Geography program for enrollment in Fall 2026. I am seeking a passionate and dedicated individual with an interest in spatial analysis and the just transition to join my research team, contributing to studies in environmental and energy justice, spatial analysis and modeling of pollution, equity, and access, spatial econometrics and quantitative human–environment interactions, and environmental policy evaluation and data-driven decision-making. The fully funded students will be working as Research Assistants (RAs) and will receive full tuition coverage, a stipend, and health benefits.

The students will:

- Develop and apply quantitative and qualitative methods to analyze the socio-economic impacts of coastal energy development
- Contribute to building frameworks for understanding public perceptions of coastal energy
- Examine inequities in the energy transition and pollution exposure associated with coastal energy facilities

Preferred Qualifications:

- Bachelor's or Master's degree in geography, coastal sciences, environmental sciences, environmental economics, data sciences, and related fields.
- Strong quantitative and analytical skills (e.g., econometrics, statistics, GIS, spatial analysis)
- Experience or interest in programming languages such as R or Python
- Interests in environmental sustainability, equity, and spatial thinking

About ECU

East Carolina University (ECU), located in Greenville, North Carolina, is a dynamic R1 (Very High Research Activity) public research university and one of the fastest-growing institutions in the UNC system. ECU is nationally recognized for its commitment to student success, community engagement, and interdisciplinary research addressing real-world challenges.

How to apply

Interested students are invited to send a letter outlining previous research or professional experience and research interests, a CV, and transcripts to Dr. Guangxiao Hu (hug25@ecu.edu). Submit materials by December 15, 2025; review will continue until the positions are filled. The deadline to apply to East Carolina University is January 15, 2026.