

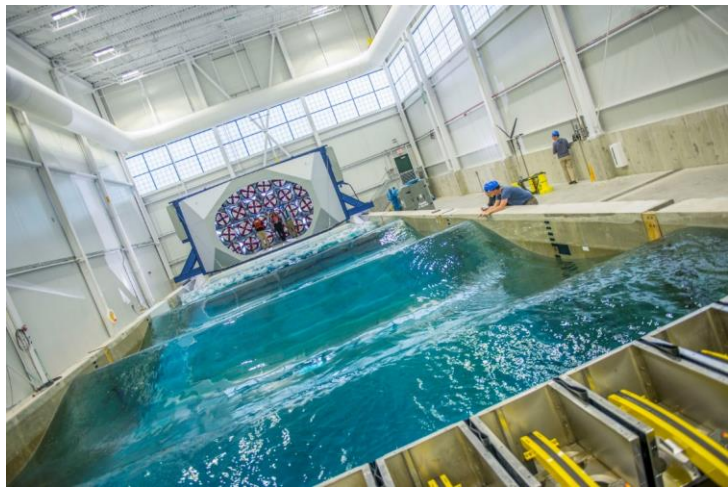
# Coastal Engineering Graduate Research Assistantships

## UMaine Civil & Environmental Engineering

Sea level rise combined with intense and more frequent storms enhances coastal vulnerability, making shoreline protection and an understanding of the wind/wave environment a top priority to coastal industries and communities. We seek **four** graduate students to work on collaborative coastal engineering related projects involving:

1. Wave basin modeling of 3D printed nearshore bottom features
2. Wind/wave interaction
3. In situ novel breakwater performance
4. Nearshore wave transformation

The students can be housed in either the Civil & Environmental Engineering Department or the Mechanical Engineering Department and will work closely with the Advanced Structures and Composites Center. The project includes research in the Alford Advanced Structures and Composites Center (ASCC) W2 Ocean Engineering Laboratory:



<https://composites.umaine.edu/alfond-w2-ocean-engineering-lab-technical-capabilities/>

The students will join a cohort of coastal and oceanographic engineering students working on diverse field, laboratory and numerical modeling research. This project includes opportunities for travel to international conferences. Students will receive a competitive stipend, healthcare, tuition, in addition to support for travel and publishing.

### Requirements:

- US Citizenship,
- Experience in computer programming (numerical modeling, Matlab),
- Strong mathematics and physics background,
- Excellent written and oral communication skills, and
- Ability to be a team player.

To apply, send a one page letter of motivation, CV and copy of transcripts to [lauren.ross1@maine.edu](mailto:lauren.ross1@maine.edu) and/or [kimberly.huguenard@maine.edu](mailto:kimberly.huguenard@maine.edu) by **Jan 31<sup>st</sup>, 2020** . Send any questions to the emails listed.