Assistant Professor of Coastal Engineering and Infrastructure Resilience
University of Maine

Job Title	Assistant Professor of Coastal Engineering and Infrastructure Resilience
Department	Civil and Environmental Engineering
Institution	University of Maine Orono, Maine
Date Posted	Jan. 9, 2025
Application Deadline	Feb. 17, 2025
Position Start Date	Sep. 1, 2025
Job Categories	Assistant Professor
Academic Field(s)	Civil Engineering Water Resources Engineering Ocean Engineering Ecological and Environmental
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Job Description	

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The Department of Civil and Environmental Engineering (CIE) at the University of Maine (UMaine) invites applications for an academic year, tenure-track Assistant Professor position in coastal engineering and infrastructure resilience. The desired areas of expertise may include but are not limited to, coastal infrastructure risk assessment, coastal infrastructure design under uncertainty, and compound coastal extreme event assessment and impacts. The CIE program is especially interested in applicants whose focus includes equity and sustainability considerations in coastal engineering, particularly improving community resilience.

This position is a joint appointment between the Department of Civil and Environmental Engineering and the Maine Sea Grant (https://seagrant.umaine.edu). Maine Sea Grant, in partnership with the University of Maine Cooperative Extension and others, has a geographically dispersed Marine Extension Team that continually works with and identifies on-the-ground needs in coastal Maine communities to ensure that its work is relevant to the people of Maine. The MSG team has a deep commitment to capacity building and problem-solving to enhance the resilience of Maine's coastal communities.

Candidates will engage in instruction of fundamental and applied coastal engineering, engineering risk and reliability, and water resources engineering courses at both the undergraduate and graduate levels and enhance the Department's existing curriculum; establish and maintain a nationally competitive, externally funded research program; author high-quality peer-reviewed publications; train M.S. and Ph.D. students; and actively engage in service to the profession, university, and state. The successful candidate will be strongly encouraged to obtain licensure as a professional engineer (PE) before promotion to associate professor.

Information about the CIE Department can be found at www.civil.umaine.edu. The successful candidate will join a dynamic engineering program dedicated to high-quality teaching, scholarship, and service – where faculty support work-life integration.

The Department of Civil and Environmental Engineering is part of the Maine College of Engineering and Computing (MCEC), which is a statewide, integrated solution to bring together the natural synergies of all engineering disciplines with computing and provide the technical workforce and innovations that are critical to moving our economy forward. MCEC includes the College of Engineering and School of Computing and Information Science at UMaine, the Department of Engineering at the University of Southern Maine (USM), with other collaborators, including the Department of Computer Science at USM and computing programs at the University of Maine at Augusta (UMA) and other campuses within the University of Maine System.

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UMaine is the state's primary graduate degree-granting institution. The University is Maine's designated Land Grant and Sea Grant institution, with an R1 Carnegie Classification. Several UMaine colleges, interdisciplinary research centers, and institutes afford excellent opportunities for collaborative research. These include the Transportation Infrastructure Durability Center (formerly Region I UTC), Margaret Chase Smith Policy Center, Virtual Environment and Multimodal Interaction (VEMI) Laboratory, Advanced Structures and Composites Center (ASCC), Climate Change Institute, UMaine MARINE Initiative, Senator George J. Mitchell Center for Sustainability Solutions, and the Advanced Computing Group and Advanced Research Computing, Security, and Information Management (ARCSIM), which offers significant computational resources to support high-performance computing, advanced data storage and management, and visualization.

About the University:

The University of Maine is a community of more than 11,900 undergraduate and graduate students, and 2,500 employees located on the Orono campus, the regional campus in Machias, and throughout the state. UMaine is a land, sea and space grant university, and maintains a leadership role as the University of Maine System's flagship institution. UMaine is the state's public research university and a Carnegie R1 top-tier research institution, dedicated to providing excellent teaching, research and service for Maine, the nation and the world. More information about UMaine is at umaine.edu.

The University of Maine offers a wide range of benefits for employees including, but not limited to, tuition benefits (employee and dependent), comprehensive insurance coverage including medical, dental, vision, life insurance, and short and long term disability as well as retirement plan options. As a former NSF ADVANCE institution, the University of Maine is committed to diversity in our workforce and to dual-career couples.

UMaine is located in beautiful Central Maine. Many employees report that a primary reason for choosing to come to UMaine is quality of life. Numerous cultural activities, excellent public schools, safe neighborhoods, high quality medical care, little traffic, and a reasonable cost of living make the greater Bangor area a wonderful place to live. Learn more about what the Bangor region has to offer here.

Qualifications:
Required:

- Applicants must hold B.S. and Ph.D. degrees in Civil Engineering or Coastal Engineering or a closely related discipline specializing in coastal engineering and infrastructure resilience by the

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date of hire.
- Experience with coastal engineering research.
- A record of publications in high-quality peer-reviewed journals.

Preferred:

- Experience with community engagement or other outreach/extension activities.
- The successful candidate will be strongly encouraged to obtain licensure as a professional engineer (PE) before promotion to associate professor.

Other Information:

To be considered for this position you will need to “Apply” and upload the documentation listed below:

1.) a cover letter which describes your experience, interests, and suitability for the position
2.) a resume/curriculum vitae
3.) research statement (maximum length per statement: two pages)
4.) teaching statement (maximum length per statement: two pages)

Candidates selected to proceed to the final stages of the search process will be requested to provide a list of names and contact information for references.

Incomplete application materials cannot be considered. Materials received after the initial review date will be reviewed at the discretion of the University.

For full consideration, materials must be submitted by 4:30 p.m. EST on February 17, 2025.

For questions about the search, please contact search committee chair lauren.ross1@maine.edu

The successful applicant is subject to appropriate background screening.

In complying with the letter and spirit of applicable laws and pursuing its own goals of diversity, the University of Maine System does not discriminate on the grounds of race, color, religion, sex, sexual orientation, transgender status, gender, gender identity or expression, ethnicity, national origin, citizenship status, familial status, ancestry, age, disability physical or mental, genetic information, or veterans or military status in employment, education, and all other programs and activities. The University provides reasonable accommodations to qualified individuals with disabilities upon request. The following person has been designated to handle inquiries regarding non-discrimination policies: Director of Equal Opportunity, 5713 Chadbourne Hall, Room 412, University of Maine, Orono, ME

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04469-5713, 207.581.1226, TTY 711 (Maine Relay System).

EEO/AA Policy

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact Lauren Ross
Civil and Environmental Engineering
University of Maine
5711 Boardman Hall
Orono, ME 04469

Phone Number 207-581-2088
Contact E-mail lauren.ross1@maine.edu