

Lecturer in Electrical and Computer Engineering and
Physics
University of Maine

Direct Link: <https://www.AcademicKeys.com/r?job=250983>

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Posted Dec. 30, 2024, set to expire May 3, 2025

Job Title Lecturer in Electrical and Computer Engineering and Physics
Department Electrical and Computer Engineering
<https://ece.umaine.edu/>
Institution University of Maine
Orono, Maine

Date Posted Dec. 30, 2024

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Lecturer/Instructor

Academic Field(s) Engineering Physics
Electrical and/or Electronics

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Job Description

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Job Description

The Department of Electrical and Computer Engineering (ECE) and the Department of Physics and Astronomy (PHY) at the University of Maine are currently seeking candidates to fill a joint-appointment as a full-time lecturer. This ongoing, non-tenure track, academic-year appointment position is anticipated to start on September 1, 2025.

We are looking for candidates who have demonstrated clear potential for excellence in teaching and technical communication. Additionally, candidates should have a strong record of scholarly excellence in ECE, PHY, or a closely related field at the graduate level or beyond. Preference may be given to candidates who have actively mentored or advanced women and/or individuals who are underrepresented in the fields of electrical engineering or physics. The position also requires active engagement in professional and university service.

The essential duties and responsibilities of this position include, but are not limited to:

- Teaching undergraduate courses such as the electrical circuits courses in electrical engineering (ECE 209, 210, and 214) as well as the calculus-based introductory physics sequence for physical science and engineering majors (PHY 121 and 122). This may involve laboratory courses and recitation sections.
- Collaborating with others involved in delivering multi-section introductory courses.
- Participating in curriculum development and assessment.
- Mentoring teaching assistants as laboratory and/or recitation coordinators, as well as mentoring undergraduates in relevant courses as appropriate.
- Providing service to the ECE and PHY departments, college, and university.

The typical teaching assignment for this position will involve the equivalent of 7.5-8 classes per academic year, with approximately 4 classes in each of the Fall and Spring semesters. In addition, service and professional development are expected. Opportunities for summer teaching may be available, with additional compensation.

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

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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:

- Either (1) a master's degree in one of the two fields (electrical engineering or physics), and experience in the other field, which may be demonstrated through relevant coursework, by the date of hire; or (2) a bachelor's degree in electrical engineering with extensive experience in the field and demonstrated coursework in physics.
- Effective written and oral communication skills, including technical communication.
- Demonstrated familiarity with or a willingness to implement active engagement teaching strategies.

Preferred:

- Either (1) a PhD in physics or electrical engineering by the date of hire or (2) a master's degree in electrical engineering with extensive experience in the field and demonstrated coursework in physics.
- In the degree field: Demonstrated significant experience through effective college-level teaching and/or significant coursework.
- In the non-degree field: Demonstrated significant experience through effective college-level teaching and/or significant coursework.
- A track record of successful collaboration in professional settings.
- Experience in supervisory or mentoring roles.
- Proven experience with research focused on the learning and teaching of physics or electrical

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and computer engineering.

- Demonstrated experience in implementing active engagement and/or research-based teaching strategies in the classroom.
- A record of effective participation in curriculum development and/or assessment.
- Relevant industry experience that can be integrated into teaching.
- Experience in designing undergraduate laboratory courses and supporting student learning in lab settings.
- Potential to contribute to the University of Maine's commitment to fostering an inclusive and diverse student body, including first-generation and low-income students and those from under-represented groups in electrical and computer engineering and physics.

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) A statement of teaching interests and educational philosophy, which should not exceed 2 pages.
- 4) A statement about your commitment to fostering an inclusive and diverse student body, including first-generation and low-income students, as well as those from under-represented groups in the field of physics

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 Monday, February 17, 2025.

For questions about the search, please contact search committee co-chair Mauricio Pereira da Cunha at mdacunha@maine.edu or 207-581-2384.

The successful applicant is subject to appropriate background screening.

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

Clery Act

The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, or Clery Act, mandates that all Title IV institutions, such as the University, prepare, publish and distribute an Annual Security Report, (ASR) and provide notice of the availability of the ASR to all prospective employees. This report consists of two basic parts: disclosure of the University's crime statistics for the past three calendar years; and disclosures regarding the University's current campus security policies. You may [view the University's Annual Security Report](#). If you wish to have a paper copy of the ASR or you need to have a copy of the ASR in an accessible format, the University will provide such a copy upon request. Please contact: UMaine Police Department, 81 Rangeley Rd., The University of Maine, Orono, ME 04469-5794, or call 207.581.4053.

Contact Information

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

Contact Mauricio Pereira Da Cunha
Electrical and Computer Engineering
University of Maine
Orono, ME 04469

Contact E-mail mdacunha@maine.edu