

Visiting Professor - Nuclear Engineering
University of Massachusetts, Lowell

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Posted Feb. 24, 2025, set to expire Jun. 28, 2025

Job Title	Visiting Professor - Nuclear Engineering
Department	Chemical Engineering
Institution	University of Massachusetts, Lowell Lowell, Massachusetts
Date Posted	Feb. 24, 2025
Application Deadline	Open until filled
Position Start Date	Fall 2025
Job Categories	Visiting Professor
Academic Field(s)	Engineering Physics Nuclear
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Job Description	

The Nuclear Engineering Program in the Francis College of Engineering at the University of Massachusetts Lowell invites applications for a Visiting Professor position. This position emphasizes teaching and pedagogy, while also providing opportunities to pursue research. The campus has an on-campus research reactor. **The appointment is scheduled to begin Fall Semester 2025.**

The successful candidate will support the nuclear engineering program's core teaching mission, ensuring a strong foundation in nuclear fundamentals, such as thermal hydraulics, neutronics, advanced materials, multiphysics modeling and simulation, artificial intelligence (AI) and machine learning (ML), and reactor engineering.

The successful candidate will be expected to foster a dynamic learning environment by mentoring and

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advising students and collaborating with faculty on curriculum development and academic service activities. Candidates with experience integrating the on-campus research reactor into course curricula to provide hands-on learning experiences for students are especially encouraged to apply.

The potential exists for future appointment as either a non-tenure-track or a tenure-track assistant professor.

The Nuclear Engineering Program is part of the Chemical Engineering Department, and it is desirable to be able to teach courses in both areas.

The Francis College of Engineering at the University of Massachusetts Lowell (UML) is seeking an outstanding candidate for one full-time Visiting Professor in Nuclear Engineering. The college includes 120 faculty members, 30% women, and has just under 3,000 undergraduate and over 1,000 graduate students. The University serves the multicultural population of the Commonwealth and has been nationally recognized by the American Society for Engineering Education for its commitment to diversity. The University is also a Minority Serving Institution (MSI). UMass Lowell is an R1 university ranked in the top tier of US News' National Universities. The College has bachelor's, master's, and doctoral degree programs in all departments.

The campus is situated on the banks of the Merrimack River, a beautiful and culturally diverse area and the birthplace of America's industrial revolution. Cotton mills in Lowell, the only city to be awarded national park status by the U.S. National Park Service, opened in 1814, and the city has been a hub of invention and innovation ever since. UML continues that legacy of innovation throughout the campus. Lowell is 30 miles northwest of Boston and the region offers unsurpassed enrichment, including fine arts, dining, historical sites, and sports! Just north of Lowell, the grandeur of New Hampshire's White Mountains unfolds not far from the storied ski lodges of Vermont.

Minimum qualifications (required):

- A doctoral degree in Engineering, Physics, or a closely related discipline
- At least one degree (B.S., M.S., or Ph.D.) in a field related to Nuclear Science or Nuclear Engineering

Preferred Qualifications

- Strong commitment to education and student engagement
- Teaching or research experience in nuclear engineering
- Ability to teach the following courses: Reactor Theory, Reactor Physics, Reactor Engineering, and Nuclear Systems Design and Analysis

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Additional Considerations:

- Dedication to teaching undergraduate and graduate levels in Nuclear Engineering and Science
- The ability to work effectively with diverse groups of students and faculty
- Candidates with experience in engineering education and the design of effective and inclusive pedagogical approaches will be given strong consideration.

Special Instructions to Applicants:

Applications received by March 20, 2025, will be considered in the first review of candidates. However, later applications may be considered for this position. The search will close after an adequate number of qualified applications is received.

Please include the following documents with your application:

- Curriculum Vitae
- Cover Letter
- Teaching Statement/Philosophy
- Diversity Statement
- Names and contact information of three references will be required at the time of application.

Optional Documents:

- Submission of past teaching evaluations is optional

EEO/AA Policy

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX employer. All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, national origin, ancestry, age over 40, protected veteran status, disability, sexual orientation, gender identity/expression, marital status, or other protected class.

Contact Information

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

Contact

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