

Tenure Track Faculty
University of North Carolina at Charlotte

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Posted Aug. 15, 2024, set to expire Feb. 14, 2025

Job Title	Tenure Track Faculty
Department	Department of Electrical and Computer Engineering
Institution	University of North Carolina at Charlotte Charlotte, North Carolina
Date Posted	Aug. 15, 2024
Application Deadline	Open until filled
Position Start Date	Spring 2025
Job Categories	Assistant Professor Associate Professor
Academic Field(s)	Electrical and/or Electronics Computer Engineering Robotics
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Job Description	

Tenure Track Faculty

The UNC Charlotte Department of Electrical and Computer Engineering (ECE) invites applications for **three tenure-track Assistant or Associate Professor positions** starting from Spring 2025 for positions #004399, #004361, and position #001808. Candidates with expertise in all areas of electrical and computer engineering will be considered, with particular emphasis on (1) **Electronic circuits, devices, and systems**: integrated circuit design, microelectronics, semiconductor device engineering/fabrication for next-generation computing applications such as quantum computing and neuromorphic computing, (2) **Robotics and Controls**: large-scale systems, distributed and decentralized decision-making, multi-agent learning and coordination, safe and resilient control, networked robotics,

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and (3) **Computer systems**: hardware-software co-design for machine learning, cloud and edge computing, embedded systems, systems software, and other systems design aspects that enable real-world AI applications.

Candidates with collaborative research focus are encouraged, especially related to smart and sustainable cities, transformational energy systems, transportation and advanced mobility, or digital manufacturing. Candidates should be committed to excellence in teaching at the undergraduate and graduate levels, development of high-impact sponsored research programs, supervision of student research, student mentoring, and academic services. Priority will be given to candidates having original and promising research as demonstrated by peer-reviewed publications, potential for success in extramural funding, and a plan for future research that integrates well with existing and aspirational department strengths. Hires at the rank of an Associate Professor are also expected to have demonstrated success in receiving extramural research funding, supervising/mentoring of graduate students, and teaching. A Ph.D. degree in Electrical or Computer Engineering or a related field is required by the time of contract.

The ECE department offers B.S. and M.S. degrees in both Electrical Engineering and Computer Engineering, and Ph.D. degrees in Electrical Engineering, with approximately 550 undergraduate and 200 graduate students; see <http://ece.charlotte.edu>. The ECE Department currently comprises 37 full-time faculty members who are actively engaged in research and teaching in the broad [areas](#) of computer systems, communications, controls, signal/image processing, electronics devices, microelectronics, and power and energy systems.

Applications must be made electronically at <https://jobs.charlotte.edu>. Applicants should submit a complete resume/curriculum vitae, a cover letter/letter of intent, a statement of teaching and research experience/goals, and contact information of at least three references. Review of applications will begin September 15, 2024, and the position will remain open until filled. The candidate chosen for this position will be required to provide an official transcript of their highest degree earned. The candidate chosen for this position will be subject to a criminal background check. The University of North Carolina at Charlotte is an EOE/AA employer and an ADVANCE Institution.

Contact Information

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



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