

## Open Rank Faculty Positions North Carolina State University

Direct Link: <https://www.AcademicKeys.com/r?job=268502>

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Posted Nov. 19, 2025, set to expire Jun. 1, 2026

**Job Title** Open Rank Faculty Positions  
**Department** Mechanical and Aerospace Engineering  
<https://mae.ncsu.edu/>  
**Institution** North Carolina State University  
Raleigh, North Carolina

**Date Posted** Nov. 19, 2025

**Application Deadline** Open until filled  
**Position Start Date** Available immediately

**Job Categories** Assistant Professor  
Associate Professor  
Professor

**Academic Field(s)** Mechatronics  
Mechanical Engineering  
Robotics  
Engineering Mechanics  
Aerospace/Aeronautical/Astronautics

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### **Job Description**

The Department of Mechanical & Aerospace Engineering at North Carolina State University is inviting applications for multiple tenure and professional track faculty positions.

**1. Applied AI/ML - Open Rank - Assistant/Associate/Professor-** MAE at NC State University invites applications for a tenure-track faculty position in the College of Engineering. We seek innovative scholars whose work advances the applications of artificial intelligence (AI) and machine learning (ML) in mechanical and/or aerospace engineering, and who are eager to contribute to a thriving, research-intensive community.

Key Research Areas of Interest Include (but are not limited to):

AI/ML-based autonomy and control systems

Physical reservoir computing and embodied intelligence

Digital twinning using AI/ML, including physics-informed and multi-modal approaches

Novel experimental techniques leveraging AI/ML

AI/ML-enabled state awareness and system diagnostics

AI/ML-driven design methodologies

AI-enabled autonomous manufacturing systems

<https://jobs.ncsu.edu/postings/224992>

**2. Robotics and Automation - Open Rank - Assistant/Associate/Professor-** MAE invites applications from dynamic researchers and educators committed to advancing technologies that improve lives and strengthen industry partnerships across the Research Triangle and beyond. In this role you will, contribute significantly to the department's mission through a balanced portfolio of research, teaching, and service.

Key responsibilities include:

Research Leadership:

Develop and maintain a nationally recognized, externally funded research program in robotics and automation. Areas of interest include, but are not limited to:

Autonomous systems and intelligent robotics

Soft and bio-inspired robotics

Wearable and assistive robotics for healthcare

Human-robot interaction and collaborative robotics

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Robotic manipulation and locomotion  
Mechatronics, sensing, and control  
Manufacturing robotics and systems integration  
AI and machine learning applications in robotics

### Teaching Excellence:

Deliver high-quality instruction in mechanical and/or aerospace engineering courses at both undergraduate and graduate levels. Engage students through innovative teaching methods and contribute to curriculum development.

### Academic Service:

Participate in departmental, college, and university service activities. This includes committee work, student advising, and contributing to the academic community through outreach and collaboration.

### Mentorship and Leadership (for Associate or Full Professor candidates):

Provide mentorship to junior faculty and graduate students. Demonstrate leadership within the department and contribute to its strategic growth in robotics and automation.

### Collaboration and Engagement:

Foster interdisciplinary collaborations within NC State and with external partners, including those in Research Triangle Park and neighboring institutions such as UNC-Chapel Hill and Duke University.

<https://jobs.ncsu.edu/postings/224731>

**3. Open Rank - Teaching Assistant/Associate/Professor-** MAE at NC State University invites applications for a full-time, nine-month Teaching Faculty position at open-rank levels (Assistant, Associate, or Full Teaching Professor). Appointments at the Associate or Full Teaching Professor levels will be considered for exceptional candidates. These are permanent, non-tenure-track positions with full university benefits.

### Key Responsibilities:

#### Course Instruction

Teach undergraduate courses in core areas of Mechanical and Aerospace Engineering courses, which may include:

Engineering mechanics (statics, dynamics, strength of materials)  
Thermodynamics, fluid mechanics, and heat transfer  
Mechanical design and manufacturing  
Systems dynamics and controls

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### Curriculum Development

Collaborate with faculty to develop, revise, and improve course content, instructional materials, and laboratory experiences to enhance student learning and program outcomes.

### Student Engagement

Provide academic advising, mentorship, and career guidance to students. Engage in activities that promote student success and retention.

### Instructional Innovation

Incorporate active learning strategies, modern pedagogical tools, and technology-enhanced instruction. Participate in departmental and university-wide teaching initiatives.

### Service and Collaboration

Contribute to departmental service, including committee participation, outreach, and recruitment efforts. Collaborate with colleagues across the department, college, and university to support the educational mission.

### Professional Development

Stay current with developments in engineering education and participate in professional development opportunities related to teaching, learning, and pedagogical research.

If you are a passionate educator who is committed to excellence in teaching and student engagement, we encourage you to apply.

<https://jobs.ncsu.edu/postings/224916>

## EEO/AA Policy

NC State University is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, national origin, religion, sex, gender identity, age, sexual orientation, genetic information, status as an individual with a disability, or status as a protected veteran. If you have general questions about the application process, you may contact Human Resources at (919) 515-2135 or [workatncstate@ncsu.edu](mailto:workatncstate@ncsu.edu). Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919-515-3148. Final candidates are subject to criminal & sex offender background checks. Some vacancies

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also require credit or motor vehicle checks. If highest degree is from an institution outside of the U.S., final candidates are required to have their degree equivalency verified at [www.wes.org](http://www.wes.org) or equivalent service. Degree(s) must be obtained prior to start date in order to meet qualifications and receive credit. NC State University participates in E-Verify. Federal law requires all employers to verify the identity and employment eligibility of all persons hired to work in the United States.

### **Contact Information**

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

### **Contact**

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