Non-Tenure-Track Professional Practice Assistant Professor in the College of Engineering
The Ohio State University

Job Title	Non-Tenure-Track Professional Practice Assistant Professor in the College of Engineering
Department	College of Engineering
Institution	The Ohio State University Newark, Ohio
Date Posted	Jan. 29, 2025
Application Deadline	Open until Filled
Position Start Date	Available immediately
Job Categories	Prof of Practice/Clinical Prof Assistant Professor
Academic Field(s)	Robotics Mechatronics Mechanical Engineering Manufacturing & Quality Engineering Engineering - Other
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Job Description

Non-Tenure-Track Professional Practice Assistant Professor in the College of Engineering

The Ohio State University

Newark, OH

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The Ohio State University at Newark invites applications from outstanding candidates for a full-time, non-tenure-track Professional Practice Assistant Professor position supporting the Bachelor of Science in Engineering Technology program. The appointment will be in one of the following departments: Integrated Systems Engineering, Electrical and Computer Engineering, Engineering Education, Materials Science and Engineering, or Mechanical Engineering and funded by and located at the Newark campus.

The ideal candidate should possess expertise in one or more of the following fields:

Mechanical Engineering: Expertise in the design, analysis, and optimization of mechanical systems. Strong understanding of mechanical engineering applications to manufacturing processes, mechanical processes, engineering materials applications.

Materials Engineering: Knowledge of material properties, selection criteria, and manufacturing processes.

Manufacturing Engineering: Experience in manufacturing processes, automation, and systems integration. Understanding of manufacturing technologies, including CNC machining, additive manufacturing, and lean manufacturing principles.

Robotics Engineering: Expertise in industrial robotics. Knowledge of sensors, actuators, and control systems used in robotics.

Mechatronics Engineering: Proficiency in integrating mechanical, electrical, and computer engineering principles in mechatronic systems. Experience with embedded systems design,

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programming, and interfacing with sensors and actuators.

Additional Job Description

- **Teaching:** Develop and deliver courses and laboratories in classroom, online, and hybrid formats. Engage in curriculum development to ensure programs remain aligned with industry trends, technological advancements, and ABET accreditation standards. Use activity-based pedagogical strategies to enhance student engagement in the classroom. Approximately 75-90% of the workload will be dedicated to teaching duties, with appropriate reassigned time allocated for administrative and service responsibilities.

- **Course and Laboratory Development:** Contribute to the creation and improvement of course content and laboratory exercises. Ensure that students gain hands-on experience with modern engineering tools and practices.

- **Service:** Contribute to the department, and college, through curricular committee work and other service activities as required. Participate in student advising and mentoring to support student success.

Required Qualifications: Master’s degree in engineering or engineering technology relevant to mechanical, materials, or manufacturing. Significant teaching experience in Engineering, Engineering Technology, or very closely related programs at the undergraduate level. Practical expertise in one or more of these disruptive technologies associated with Industry 4.0: Robotics and Automation, Six Sigma Principles, Additive Manufacturing (AM), Cybersecurity, Data Analytics, Augmented and Virtual Reality (AR and VR), Digital Twins (DT). An ability to work collaboratively with faculty across multiple programs and departments. Experience in teaching and mentoring students in academic environments with varying populations.

Desired Qualifications: PhD in engineering or engineering technology relevant to mechanical,

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materials, or manufacturing. Knowledge about ABET accreditation procedures and deliverables.

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All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy, race, religion, sex, sexual orientation, or veteran status.

Contact Information

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

Contact

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