

Assistant/Associate/Full Professor (rank commensurate with credentials)
Industrial and Systems Engineering Program
Department of Mechanical and Materials Engineering
College of Engineering and Applied Science
UNIVERSITY of CINCINNATI

Founded in 1819, the University of Cincinnati ranks among the nation's best urban public research universities. Home to more than 47,000 students, 10,500 faculty and staff and 330,000 alumni, UC combines a Top 35 research university with a physical setting The New York Times calls "the most ambitious campus design program in the country." With the launch of Next Lives Here, the Cincinnati Innovation District, a \$100 million JobsOhio investment, eight straight years of record enrollment, worldwide leadership in cooperative education, a dynamic academic health center and entry into the Big 12 athletic conference, UC's momentum has never been stronger. UC's annual budget tops \$1.6 billion and its endowment totals \$1.9 billion.

Job Overview

The Department of Mechanical and Materials Engineering in the College of Engineering and Applied Science (CEAS) at the University of Cincinnati invites applications for multiple full-time tenure-track faculty positions in the new Industrial and Systems Engineering (ISE) Program. The ISE Program is uniquely positioned to closely integrate with data science and become nationally recognized. A broad and diverse spectrum of candidates is sought; women, members of underrepresented groups, and persons with disabilities are strongly encouraged. Rank, tenure, salary and startup funding will be negotiated commensurate with the candidates' qualifications.

The Department of Mechanical and Materials Engineering currently has 46 faculty members and an enrollment of about 1290 undergraduate and 270 graduate students. The Department presently offers ABET accredited B.S. degrees in Mechanical Engineering and Mechanical Engineering Technology; M.S., Master of Engineering and Ph.D. degrees in Mechanical Engineering and in Materials Science and Engineering. Starting from fall 2022, the Department offers B.S. degree in Industrial and Systems Engineering. Graduate programs in Industrial and Systems Engineering are expected to be launched in 2023-2024. The Department has research focus areas in Structural Dynamics, Advanced Manufacturing, Industry 4.0/5.0, Thermal-Fluids Science, Applied and Computational Mechanics, Nanotechnology and Materials Science, Intelligent Systems, Safety. The Department currently has eight faculty members who have strong Industrial and Systems Engineering background.

For more information regarding the MME Department, please see the following link:
<https://ceas.uc.edu/academics/departments/mechanical-materials-engineering.html>

Candidates in a broad range of Industrial and Systems Engineering areas will be considered, including but not limited to, data science, operations research, optimization, industry 4.0/5.0, augmented intelligence, healthcare systems, safety/ergonomics, and supply chain management.

Essential Functions

- Teach graduate and undergraduate engineering courses specific to their specialty areas.
- Develop externally funded research programs.
- Publish research results in professional journals.
- Advise graduate and undergraduate students.
- Participate in professional service activities such as editorial review, student career mentoring, advising of student organizations, serving on departmental, college and university committees, and performing outreach activities such as recruiting minoritized students and holding workshops and seminars for industry.
- Participate in curriculum and course development.

Minimum Requirements

Prior to effective date of appointment a PhD in Industrial and Systems Engineering or a closely related field is required.

Application Process

Interested candidates should apply online and upload current CV/Resume and cover letter summarizing research and teaching interests.

Under the 'Additional Documents' section, interested candidates should also upload:

- Statement of research plans.
- Statement of teaching philosophy.
- Diversity statement that demonstrates your understanding of the broader issues of diversity, equity, and inclusion in engineering education; any DEI contributions you have made or been involved with to enhance the classroom or campus experience for students or colleagues; and how you envision making DEI related contributions within the department, college, and/or university.
- Names and contact information for at least three (3) references.

Further documentation, including letters of recommendation and representative publications (if applicable), may be separately requested by the search committee at a later date.

Review of applications will continue until the positions are filled.

Compensation and Benefits

UC offers a wide array of complementary and affordable benefit options, to meet the financial, educational, health, and wellness needs of you and your family. Eligibility varies by position and FTE.

- Competitive salary range dependent on the candidate's experience.
- Comprehensive insurance plans including medical, dental, vision, and prescription coverage.
- Flexible spending accounts and an award-winning employee wellness program, plus an employee assistance program.
- Financial security via our life and long-term disability insurance, accident and illness insurance, and retirement savings plans.
- Generous paid time off work options including vacation, sick leave, annual holidays, and winter season days in addition to paid parental leave.
- Tuition remission is available for employees and their eligible dependents.
- Enjoy discounts for on and off-campus activities and services.

FOR ALL FACULTY HIRES OFFICIAL ACADEMIC TRANSCRIPTS WILL BE REQUIRED AT THE TIME OF HIRE

*The University of Cincinnati, as a multi-national and culturally diverse university, is committed to providing an inclusive, equitable and diverse place of learning and employment. As part of a complete job application you will be asked to include a **Contribution to Diversity and Inclusion** statement.*

As a UC employee, and an employee of an Ohio public institution, if hired you will not contribute to the federal Social Security system, other than contributions to Medicare. Instead, UC employees have the option to contribute to a state retirement plan (OPERS, STRS) or an alternative retirement plan (ARP).

The University of Cincinnati is an Affirmative Action / Equal Opportunity Employer / Minority / Female / Disability / Veteran.

Visit <https://jobs.uc.edu/job-invite/88788/> to learn more and apply.

REQ: 88788