

IOWA STATE UNIVERSITY

College of Engineering

Assistant, Associate, or Full Teaching Professor or Professor of Practice in Industrial and Manufacturing Systems Engineering

The Department of Industrial and Manufacturing Systems Engineering, in the College of Engineering at Iowa State University (ISU), invites applications for the position of a (nine-month) term teaching faculty member at any rank. Successful candidates will be expected to provide high quality instruction in undergraduate industrial engineering courses, including lecture and laboratory courses, as well as curriculum coordination and other responsibilities related to the teaching mission of the university such as committee work and mentoring of undergraduate students. Candidates with suitable qualifications may also teach master's level systems engineering or engineering management courses. Candidates should have strong communication skills and share our commitment to enhancing excellence through diversity and inclusion.

Both full and part-time full-time equivalency (FTE) employee status will be available for this position depending on the selected candidate's availability and the department's teaching needs.

The Department of Industrial and Manufacturing Systems Engineering is committed to sustaining a collegial, positive, and productive environment for each individual and the collective benefit of all. All faculty members are expected to interact collegially and maintain the highest standards of integrity and ethical behavior within department, college, and university activities.

The new \$69 million Therkildsen Industrial Engineering Building is planned to open by early 2025 with nearly 80,000 gross square feet of space dedicated to the department's teaching, research, and outreach activities. A new Advanced Manufacturing Laboratory will prepare students for the Industry 4.0 era with access to robots, cobots, and sensor-enabled devices.

Required Minimum Qualifications:

- **Assistant Teaching Professor**

Bachelor's degree in engineering/related discipline AND a Master's degree in engineering/related discipline AND 5 years of relevant work experience OR Bachelor's degree in engineering/related discipline AND a Doctoral degree in engineering/related discipline.

- **Associate Teaching Professor**

5 years of undergraduate teaching with a record of excellence AND either Bachelor's degree in engineering/related discipline AND a Master's degree in engineering/related discipline AND 8 years of relevant work experience OR Bachelor's degree in engineering/related discipline AND a Doctoral degree in engineering/related discipline AND 5 years of relevant work experience.

- **Teaching Professor**

11 years of undergraduate teaching with a record of excellence AND either Bachelor's degree in engineering/related discipline AND a Master's degree in engineering/related discipline AND 13 years of relevant work experience OR Bachelor's degree in engineering/related discipline AND a Doctoral degree in engineering/related discipline AND 10 years of relevant work experience

- **Professor of Practice**

Bachelor's degree in engineering/related discipline AND 13 years relevant industry experience AND Either 11 years of undergraduate teaching with a record of excellence OR Evidence of professional practice unique and impactful enough that warrants the title Professor of Practice without meeting the 11-year undergraduate teaching requirement.

Preferred Qualifications:

- Teaching experience in industrial automation or systems engineering or related fields
- Industrial experience including leadership of process improvement efforts

- Expertise in Industry 4.0 technologies such as robotics/automation, system integration, digital twins and/or internet of things.
- Expertise in complex systems engineering involving the design, simulation, and integration of multiple physical and IT environments

Iowa State University is committed to fostering a workplace of belonging, where diversity is celebrated and equity is a core value. *Iowa State University and the College of Engineering are responsive to the needs of dual-career couples and are dedicated to work-life balance through an array of flexible work policies.*

Department Unit/Website:

For more information about our department's engineering programs, see imse.iastate.edu.

Application Instructions:

Applications will be accepted until this position is filled. However, to receive full consideration, applications should be received by **Wednesday, June 21, 2023**. Please visit <http://www.jobs.iastate.edu/> for instructions on applying for Job Requisition #R12054 or the link below

https://isu.wd1.myworkdayjobs.com/en-US/IowaStateJobs/job/Ames-IA/Industrial-and-Manufacturing-Systems-Engineering---Assistant-Associate-Full-Teaching-Professor-or-Professor-of-Practice_R12054?q=R12054

The following documents are required to be submitted in PDF format:

1. One-page Letter of Application/Cover Letter
2. Resume/Curriculum Vitae
3. Contact Information for Three References
4. Up to two-page teaching statement that includes; reflections on your duty as a teacher inside and outside classroom, your experiences and approaches in a past role as a teacher, existing courses you would like to teach and why, for the topics of either Systems Engineering/Engineering Management OR Industrial Automation/IOT, what are the 3 most important topics that should be taught and how should they be taught.

If you have questions about the position, please email Matt Frank (imsesearch@iastate.edu), chair of the search committee. For questions regarding the application process, please email employment@iastate.edu or call 515-294-4800 or Toll Free: 1-877-477-7485.

Iowa State University is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, genetic information, national origin, marital status, disability, or protected veteran status, and will not be discriminated against.