

INSTRUCTIONAL TRACK FACULTY POSITION DEPARTMENT OF INDUSTRIAL AND SYSTEMS ENGINEERING THE UNIVERSITY OF IOWA

[The Department of Industrial and Systems Engineering \(ISE\)](https://opsmanual.uiowa.edu/human-resources/faculty/specialized-track-faculty/instructional-faculty) at the University of Iowa invites applications and nominations for an instructional track faculty position at all ranks (Assistant/Associate/Full Professor of Instruction or Practice) in the general area of applied operations research, manufacturing systems, engineering management, and data science to begin in the fall semester of 2025. Please refer to <https://opsmanual.uiowa.edu/human-resources/faculty/specialized-track-faculty/instructional-faculty> for detailed qualifications for each specific rank of instructional track faculty appointments. This position is a full-time academic year appointment and includes an initial three-year contract with the possibility of renewal. Instructional Track Faculty play an important role in advancing the teaching excellence of the College of Engineering. Promotion and advancement opportunities are available for instructional track faculty positions.

Candidates must be committed to excellence in teaching at every level in the ISE curriculum. Essential qualifications include evidence of a strong ability to integrate effective and impactful teaching methodologies, a passion for education in the general areas of industrial engineering, excellent communication skills, and a demonstrated ability to foster a welcoming and respectful environment. Prior teaching or professional experience in applied operations research, manufacturing systems, engineering management, and data science is desirable.

The successful candidate is expected to be an engaging and effective teacher and be willing to engage in online course development and online teaching. Position responsibilities include classroom teaching of courses and seminars, undergraduate student advising, departmental and collegial services related to education, and collaborating with other faculty on innovative teaching methods and curricular advances. The salary and work expectations are based on the University's academic year.

At the University of Iowa, we embrace our responsibility to create a welcoming and respectful campus culture so that all community members can unlock their own potential. Faculty members in the College of Engineering contribute to this mission by designing curricula, research programs, and engagement opportunities that advance understanding of how engineering can positively impact society and emphasize the value of global citizenship. We are committed to recruiting and retaining the most talented and diverse faculty and staff, which involves providing opportunities for employees to "Build a Career | Build a Life." For more information about local work/life resources, including dual-career support, please see: <https://worklife.uiowa.edu/>.

Review of applications will begin on March 14, 2025 and applications will be accepted until April 4, 2025.

Required Qualifications:

- PhD or equivalent in industrial engineering, mechanical engineering, business analytics or related field
- Commitment to teaching at every level in the ISE curriculum.
- Excellent communication skills.
- Ability to make significant contributions in teaching industrial engineering topics such as
 - Capstone Design
 - Engineering Economy
 - Manufacturing Systems
 - Process Engineering
 - Facility Planning
 - Supply Chain Management
 - Six Sigma/Lean
 - Quality Control
 - Data Science/Machine Learning
 - Introduction of Engineering Computing
 - Stochastic Modeling

- Digital Systems Simulation
- Operations Research
- Human Factors

Desirable Qualifications:

- Teaching or professional experience in the general area of applied operations research, manufacturing systems, engineering management, and data science
- Ability to incorporate effective and impactful teaching methodologies as evidenced in teaching statement, teaching evaluation, and/or participation in professional development workshops related to teaching
- Experience in industry and/or online/remote curriculum development is not required but encouraged
- Demonstrated ability to engage and inspire students while creating a welcoming and respectful environment.

The Application Package

- Cover letter describing areas of specialization, courses taught, and how applicant's qualifications align with this position.
- Current curriculum vitae.
- Statement of teaching including teaching interests, teaching experiences, teaching evaluations if available, a list of specific courses qualified to teach, teaching philosophy, and the applicant's strategies for creating an engaging and respectful classroom environment.

Applicants are strongly encouraged to ensure their application materials articulate how their qualifications align with the required/desirable qualifications above.

How to apply

Candidates should submit applications online at jobs.uiowa.edu, requisition **#75540**. Inquiries regarding the position can be made to Dr. Chao Wang (chao-wang-2@uiowa.edu). References will be requested at a later date.

Successful candidates will be required to self-disclose any misconduct history or pending research misconduct investigation including but not limited to sexual misconduct in prior employment and provide a related release and will be subject to a criminal background and credential check.

The University of Iowa is an equal opportunity/affirmative action employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, gender identity, or associational preferences.