



AUBURN UNIVERSITY

Samuel Ginn College of Engineering

Industrial and Systems Engineering

Three Tenure-Track Faculty Positions Open Rank (Assistant, Associate, or Full Professor) in Industrial & Systems Engineering at Auburn University

The Department of Industrial & Systems Engineering (ISE) at Auburn University invites applications for **three open-rank tenure-track (Assistant, Associate, or Full Professor) positions** in the following areas:

1. Optimization

Candidates must have strong theoretical foundations in optimization with a focus on real applications. Preference will be given to those who have experience with leveraging machine learning and artificial intelligence methods for optimization. Specific research areas may include, but are not limited to, deterministic optimization, including integer, nonlinear, and combinatorial optimization; global and non-convex optimization; machine learning for optimization; explainable artificial intelligence; heuristic and metaheuristic approaches; network design and analysis; and other related topics in optimization, modeling, and decision sciences.

2. Statistics

Candidates must have solid foundations in statistics, with preference given to those with a strong basis in process control, reliability, 6-Sigma (Black Belt or Master Black Belt preferred), the theory of machine learning, and artificial intelligence. Specific areas of research for position include, but are not limited to: classical, Bayesian, and/or non-parametric statistics; information science, data mining or data analytics; statistical process control; machine learning methods (i.e. supervised and unsupervised learning, deep learning, reinforcement learning, etc.); artificial intelligence methods (e.g., predictive modeling, natural language processing, generative AI); risk analysis, real options, and finance; and other related topics in statistics.

3. Advanced Manufacturing, AI/ML, and Data Analytics

Candidates should have research and teaching expertise in the areas of AI-Manufacturing, Machine Learning (ML), Data Analytics, and Quality & Statistical Reliability (QSR), with preference given to those applying data analytics and ML in manufacturing contexts. Candidates are expected to have a strong theoretical and practical understanding of modern ML, including concepts, methods, tooling, and workflows. Specific areas of research interest include Industry 4.0, AI/ML-driven manufacturing, manufacturing system design and development (including machine-to-machine networking and data collection), data analytics, Smart Manufacturing, Industrial Internet of Things (IIoT), and systems analysis for manufacturing

Position Details

- **Start Date:** August 16, 2026
 - **Application review begins:**
 - Optimization and Statistics: **December 12, 2025**
 - Advanced Manufacturing / AI/ML / Data Analytics: **November 17, 2025**
 - **Requirements:** Eligible candidates must hold an earned doctorate in Industrial and Systems Engineering or a closely related discipline at the time of employment. Candidates should demonstrate potential for high-quality research and teaching, and excellent interpersonal and communication skills. For applicants at the associate or full professor level, a commensurate record of extramurally funded research, top-tier scholarly publications, successful extramural collaborations, and excellence in teaching will be required. Must be able to meet eligibility requirements to work in the U.S.A.
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Apply Online

- Submit a cover letter (clearly indicate which position, and faculty rank you are applying for), curriculum vitae, separate statements of research and teaching, and the names and contact information of three references
 - **Optimization or Statistics:** <https://www.auemployment.com/postings/56368>
 - **Advanced Manufacturing / AI/ML / Data Analytics:** <https://www.auemployment.com/postings/56232>
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About the ISE Department, Auburn University, and Auburn, AL

The ISE Department at Auburn University has a strong research program and a long tradition of excellence in both graduate and undergraduate education. The department comprises 25 faculty members, over 200 graduate students, and 475 undergraduate students.

Auburn University holds an R1 Carnegie research institution designation and is one of the nation's premier land, sea, and space grant institutions. Auburn is committed to maintaining teaching excellence. Its Fall 2025 enrollment includes nearly 30,000 undergraduates and over 6,000 graduate and professional students.

Auburn University is located in Auburn, AL, approximately 1.5 hours southeast of Atlanta, GA, Auburn has been recognized as one of the "Top 10 Best Small Cities in America" by the Milken Institute, with a moderate climate and easy access to major cities, beaches, and mountains.

Auburn University is an EEO/Vet/Disability Employer. Auburn University is understanding of and sensitive to the family needs of faculty, including dual career couples. See "Guidelines for Dual Career Services" <http://www.auburn.edu/academic/provost/policies-guidelines/#guidelines>.