Industrial Engineering

UNIVERSITY OF ARKANSAS | College of Engineering

In the Department of Industrial Engineering, faculty and students are studying ways to help businesses and organizations operate more effectively. Faculty in this department are routinely recognized by their peers, and many of them are fellows and leaders in professional organizations such as the Institute of Industrial and Systems Engineers, the Institute for Operations Research and the Management Sciences, the American Society for Engineering Management, the Society of Reliability Engineers, and the American Society for Engineering Education.

Students in industrial engineering get hands-on experience working with industry partners during the department's Capstone Experience. Teams of students collaborate with industry partners, to identify industry issues, then design and implement solutions. The industrial engineering department also houses the Master of Science in Operations Management program, the largest graduate program at the university, and the Master of Science in Engineering Management.

Researchers in the Department of Industrial Engineering are solving problems in a wide range of fields. Industrial Engineering Faculty and students solve problems using descriptive, diagnostic, predictive, and prescriptive analytics tools and techniques to improve systems and processes in healthcare, supply chains, logistics, transportation and distribution networks, and manufacturing systems. Faculty in this department regularly participate in interdisciplinary projects, teaming up with colleagues in civil engineering, computer science and computer engineering, biological and agricultural engineering and business.

2019-2020 STUDENT STATISTICS

Undergraduate
221

Graduate
486

Female
31%

Ethnic Minority
20%

First Generation Undergraduate
12%

Placement[1]
83%

[1]Self reported percentage of students graduating in the past two years who were employed as engineers or attending graduate school within three months of graduating.

DEPARTMENT HEAD

ED POHL

industrial-engineering.uark.edu

Last Updated 12/2/2019

RESEARCH AREAS

- Reliability, maintainability, and quality engineering
- Transportation, logistics, and distribution
- Healthcare systems engineering
- Manufacturing and automation
- Engineering management
- Big data and analytics

Tenured and Tenure Track Faculty

19

CENTERS

- Center for Excellence in Logistics and Distribution
- J.B. Hunt Innovation Center of Excellence
- Institute for Advanced Data Analytics (affiliated)
- Arkansas Security Research and Education Institute (affiliated)
- Mack Blackwell Transportation Center (affiliated)
- Maritime Transportation Research and Education Center

New Research Awards FY 2019

$1.2M

CHAIRS AND PROFESSORSHIPS

Art Chaovalitwongse
The Twenty-First Century Research Leadership Chair

Heather Nachtmann
Earl J. and Lillian P. Dyess Endowed Chair in Engineering

Haitao Liao
John and Mary Lib White Endowed Systems Integration Chair in Industrial Engineering

Edward Pohl
The Twenty-First Century Professorship

Ashlea Milburn
John L. Imhoff Chair in Industrial Engineering

Kelly Sullivan
John L. Imhoff Endowed Chair in Industrial Engineering

FELLOWS

- Richard Cassady: Institute of Industrial and Systems Engineers, Society of Reliability Engineers
- John English: Institute of Industrial and Systems Engineers
- Haitao Liao: Institute of Industrial and Systems Engineers
- Heather Nachtmann: American Society for Engineering Management, Institute of Industrial and Systems Engineers
- Kim Needy: American Society for Engineering Education, American Society for Engineering Management, Institute of Industrial and Systems Engineers
- Greg Parnell: Institute for Operations Research and the Management Sciences, International Council on Systems Engineering, Lean Systems Society, Military Operations Research Society, Society for Decision Professionals
- Edward Pohl: Institute of Industrial and Systems Engineers, Society of Reliability Engineers, American Society for Engineering Management
- Manuel Rossetti: Institute of Industrial and Systems Engineers