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.

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### 2019-2020 STUDENT STATISTICS

<table>
<thead>
<tr>
<th>Gender</th>
<th>Undergraduate</th>
<th>Graduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>31%</td>
<td>486</td>
</tr>
<tr>
<td>Ethnic Minority</td>
<td>20%</td>
<td>12%</td>
</tr>
</tbody>
</table>

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

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

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

CHAIRS AND PROFESSORSHIPS

Art Chaovalitwongse  
The Twenty-First Century Research Leadership Chair

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

Ashlea Milburn  
John L. Imhoff Chair in Industrial Engineering

Kelly Sullivan  
John L. Imhoff Endowed Chair in Industrial Engineering

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

Edward Pohl  
The Twenty-First Century Professorship

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
- 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

Tenured and Tenure Track Faculty

19

New Research Awards FY 2019

$1.2M