

College of Engineering

# INDUSTRIAL ENGINEERING

## Agile Skills for Society & Industry

Industrial engineers primarily focus on increasing efficiency. They make smartphones smarter, streamline hospital operations, shorten lines for roller coaster rides, and optimize government projects, for example. The public and private sectors need skilled industrial engineers to make complex systems perform in an interconnected global environment.



### ACADEMICS FOR SUCCESS

University of Arizona industrial engineering students experience an interdisciplinary education that begins with broad foundational courses, then moves on to studies that include research, analysis, management, systems, human factors and ergonomics. U.S. News & World Report ranks the university at No. 16 for industrial engineering among public institutions.

### REWARDING CAREER PATHS

Industrial engineering is a growing field with median salary over \$95,000, according to the Bureau of Labor Statistics. Many alumni are in high-tech management positions for private corporations and government agencies.



THE UNIVERSITY  
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## RESEARCH TO MAXIMIZE TECHNOLOGY'S BENEFITS

Industrial engineering students join experienced faculty in researching many societal challenges, such as:

- Traffic and transit systems
- Allocation of emergency services
- Financial investment
- Quality and reliability
- Factory and supply chain management and automation



“ One of my biggest takeaways from my engineering classes was the importance of incorporating and balancing everything involved within a bigger system. ”

*Alum Angelica Gutierrez, E. & J. Gallo Winery*

## LEARNING FROM EXPERIENCE

Outside the classroom, students participate in a variety of activities to build leadership skills and prepare for the workforce.

- Research opportunities with major manufacturers, Homeland Security and other large organizations
- Paid internships with longtime industry partners
- Formal networking opportunities with faculty, alumni and industry
- Senior design projects with experienced industry mentors
- Student chapters of professional organizations, such as the Institute of Industrial & Systems Engineers/International Council on Systems Engineering
- Student clubs and national competitions

## A PLACE FOR EVERYONE

Various engineering clubs – American Indian Science & Engineering Society; National Society of Black Engineers; Out in Science, Technology, Engineering, and Mathematics; Society of Hispanic Professional Engineers, and Society of Women Engineers, for example – help ensure all students feel welcome and connected.

“ With industrial engineering, the beauty is that you can expand to almost all engineering areas, and it encourages collaboration. It can be applied to a variety of other disciplines. ”

*Hongyue Jin, assistant professor*



### Recruiting and Admissions

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### Advising

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