Welcome to ISE

Industrial Engineering – IE
Systems Engineering and Design – SED
(formerly General Engineering)
Students & Programs

Students
505 Undergraduates, 27% female
280 Industrial Engineers
225 Systems Engineering and Design/General Engineers

Programs
B.S. in Industrial Engineering
B.S. Systems Engineering & Design
(formerly General Engineering)
Student Excellence

ISE UNDERGRADUATE
FIONA KALENSKY

ISE UNDERGRADUATE
JOSH WEISBERG

SENIOR 100 X 2!
JOSH WEISBERG & LARA FLASCH

Both earned a place in the university-wide senior 100 honorary! Senior 100 honorary is a highly prestigious award that recognizes the most outstanding graduating seniors—not only the most successful students academically, but those focused on campus involvement and service. This allows hard-working seniors to be acknowledged for their commitment to the university.

CONGRATULATIONS
MOTTIER INNOVATION
CHALLENGE WINNERS!

1st place
Matthews Ea, Whitman, Jo, Solomon, Choudhary, and Monika Balasubramanian
DIBBS, Save Food, Go Good

2nd place
Ruchitree Singh, Yara Slama, and Robby Fishek
ELP Entrepreneur

3rd place
Sarita Singh, Arfa Khan, Parth Bhavsar, and Hadi AlQattan
418 automatic climbing/insulating hot

Honorable mention
Ari Miserez, Max and dibs (umass amherst)

THE RAPALZ

ISE
Industrial and Enterprise Systems Engineering

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
Student Societies

**Institute of Industrial & Systems Engineers (IISE)** – professional, social, and service

**INFORMS** – society for professionals in the field of operations research, management science, and analytics

**Alpha Pi Mu** – Industrial Engineering & Systems Engineering and Design honor society
Here’s examples of coursework tracks

• SYSTEMS ENGINEERING AND DESIGN DYNAMIC CURRICULUM MAP
  • http://ise.illinois.edu/undergraduate/systems-engineering-and-design-degree/systems-engineering-and-design-curriculum-map.html

• INDUSTRIAL ENGINEERING DYNAMIC CURRICULUM MAP
  • http://ise.illinois.edu/undergraduate/industrial-engineering-degree/industrial-engineering-curriculum-map.html
Systems Engineering & Design

- Structures
- Control Systems
- Mechanics
- Decision Making
- Engineering Business
- Design
- Problem Solving

Industrial and Enterprise Systems Engineering

University of Illinois at Urbana-Champaign
Program Highlights

Secondary Field Option (SED) & Track Option (IE)
• ability to customize your degree to meet your career goals
• 12 hours in a concentrated area

Senior Engineering Project
• A unique and nationally recognized capstone experience for all Systems Engineering & Design and Industrial Engineering undergraduates
• 100% supported by industry
• Real-world, hands-on experience
• Many alumni say this course was the most valuable academic experience of their undergraduate education
Senior Engineering Project
(SE 494/SE 495)
Other Opportunities

• Internship and Career Opportunities
  • ISE After Hours
  • Engineering Expo
  • Business Career Fair
  • ECS Career Fair
  • Research Park Career Fair
  • Recruitment Visits

• Minors (currently 77 students enrolled in minors; 6 students have double minors):
  Computer Science, Electrical & Computer Engineering, Mathematics, Hoeft Technology & Management, Business

• Study Abroad
  • International Programs in Engineering (IPENG)
  • Illinois Abroad and Global Exchange

• Other Activities Available
  • Consulting groups including: CUBE, Illinois Consulting Club, OTCR
  • Service Activities including: Engineering Outreach Society, Engineers Without Borders, Illini 4000, Love Your Melon

• Engineering Societies including:
  Illini Motorsports, Society of Hispanic Professional Engineers (SHPE), Society of Women Engineers (SWE), Solar Decathlon
Labs:

Monolithic Systems Lab: SE 310 & SE 411

Mechatronics Lab: SE 423

Product Design Lab: SE 101 & SE 402

Other Labs:
• Decision Systems Lab
• Enterprise System Design Lab
• Nondestructive Testing and Evaluation Research Lab: SE 311 & SE 312
• Optimization Lab
• Senior Engineering Project Design Studio
• Virtual Reality Lab
WHERE DO ISE GRADUATES GO AFTER GRADUATION? HERE’S LAST YEAR’S EXAMPLES.


engineer your career

INDUSTRIAL AND ENTERPRISE SYSTEMS ENGINEERING AT ILLINOIS ise.illinois.edu

ISE Industrial and Enterprise Systems Engineering

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
Some Possible Career Paths

- Patent Law
- Manufacturing
- Healthcare Industry
- Consulting
- Product development and design
- Process Improvement
## Employment Statistics

<table>
<thead>
<tr>
<th>Major</th>
<th>Number of Responses</th>
<th>Employed</th>
<th>Continuing Education</th>
<th>Volunteer/Service</th>
<th>Seeking Employment</th>
<th>Seeking Education</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Engineering</td>
<td>50</td>
<td>88%</td>
<td>8%</td>
<td>0%</td>
<td>2%</td>
<td>0%</td>
<td>2%</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>62</td>
<td>80%</td>
<td>5%</td>
<td>0%</td>
<td>10%</td>
<td>3%</td>
<td>2%</td>
</tr>
</tbody>
</table>

All majors demonstrated strong graduation outcomes with 84% to 97% of respondents reporting secured first destinations. General Engineering and Industrial Engineering had the second and third highest employment rate in the College.
### Employment Statistics Cont’d.

<table>
<thead>
<tr>
<th>Major</th>
<th>Number of Graduates Full-Time Employed</th>
<th>Number of Full-Time Employed Graduates Reporting Salaries</th>
<th>Average Salary</th>
<th>25th Percentile</th>
<th>50th Percentile</th>
<th>75th Percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Engineering</td>
<td>44</td>
<td>39</td>
<td>$64,782</td>
<td>$60,000</td>
<td>$65,000</td>
<td>$71,000</td>
</tr>
<tr>
<td>Industrial Engineering</td>
<td>48</td>
<td>36</td>
<td>$64,764</td>
<td>$60,000</td>
<td>$65,000</td>
<td>$70,000</td>
</tr>
</tbody>
</table>

73% of full-time employed College of Engineering respondents reported salaries, averaging $71,856. In addition, 39% reported signing bonuses, averaging $7,208. Bonuses in the 25th percentile were $4,000, while those in the 75th percentile were $10,000.