Our undergraduate students get hands-on experience, working closely with graduate students, postdoctoral researchers, and faculty mentors on laboratory, computational, or theoretical research projects. In our rigorous capstone course, seniors perform experiments and run pilot-scale industrial equipment in labs at UW-Madison or at partner institutions overseas.

Graduate students can participate in numerous training programs in interdisciplinary research, teaching, mentorship, and entrepreneurship. 5 current PhD students have received prestigious National Science Foundation graduate research fellowships.

Our faculty are leaders or members of 9 interdisciplinary research centers and institutes at UW-Madison. Faculty and students have founded 4 startup companies focused on recycling and sustainability.

Our faculty are consistently recognized with awards, including 12 National Science Foundation early-career awards, 8 from the American Institute of Chemical Engineers or American Chemical Society, and 2 Presidential Early Career Awards.

Founded in 1905, the department is among the top chemical engineering departments in the nation. Faculty have written numerous foundational textbooks, including the first textbook on transport phenomena.

<table>
<thead>
<tr>
<th>STUDENT ENROLLMENT</th>
<th>DEGREES CONFERRED</th>
<th>NATIONAL PUBLIC RANKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>590 UNDERGRADUATE</td>
<td>110 UNDERGRADUATE</td>
<td>7th UNDERGRADUATE</td>
</tr>
<tr>
<td>123 GRADUATE</td>
<td>20 GRADUATE</td>
<td>8th GRADUATE</td>
</tr>
</tbody>
</table>
**DEGREES OFFERED**

**BS**
Chemical Engineering

**PhD**
Chemical Engineering

**STARTING SALARIES AND PLACEMENT**

- **$69,000+**
  - Undergraduate

- **$96,000+**
  - Graduate

Undergraduates placed in a job or post-graduate studies within a year of graduation

*approximate per year

**ACCOMPLISHED FACULTY**

- **$13m+**
  - Average Annual Research Funding

- **75%**
  - Faculty who have received Early Career/Young Investigator Awards

- **75%**
  - Faculty who have received endowed professorships

**RESEARCH AREAS**

**BIOENGINEERING**
- Synthetic Biology
- Protein Engineering
- Systems Biology
- Biocatalysis
- Biomanufacturing

**CATALYSIS**
- Biomass Conversion
- Chemical Upcycling of Plastic Waste
- Electrocatalysis
- Microkinetic Modeling

**MATERIALS**
- Synthetic & Bio-inspired Soft Materials
- Soft Robotics & 3D/4D Printing
- Drug Delivery
- Liquid Crystals

**THEORY & COMPUTATION**
- Computational Fluid Dynamics
- Density Function Theory
- Molecular Dynamics Simulation
- Machine Learning and Data Science
- Systems Engineering

**DEPARTMENT CHAIR**

Eric V. Shusta
Howard Curler Distinguished Professor and R. Byron Bird Department Chair
(608) 262-1092
eshusta@wisc.edu

**PLACEMENT**

- **95%**
  - Undergraduates placed in a job or post-graduate studies within a year of graduation

**STARTING SALARIES AND PLACEMENT**

- **$69,000+**
  - Undergraduate

- **$96,000+**
  - Graduate

Undergraduates placed in a job or post-graduate studies within a year of graduation

*approximate per year

**ACCOMPLISHED FACULTY**

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  - Average Annual Research Funding

- **75%**
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