



School of Chemical Sciences

Department of Chemical & Biomolecular Engineering

Fall 2026

What do Chemical Engineers do?

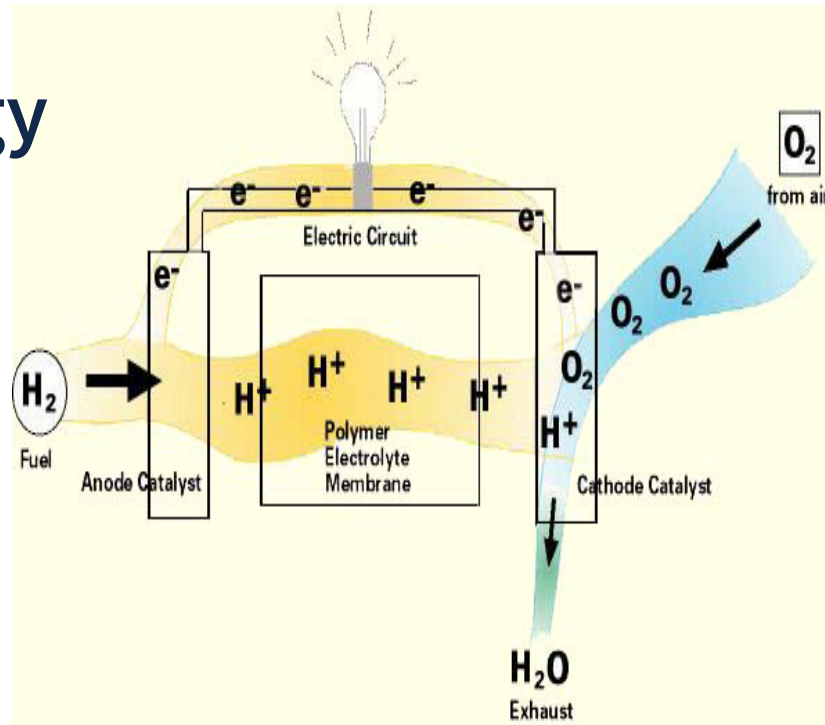




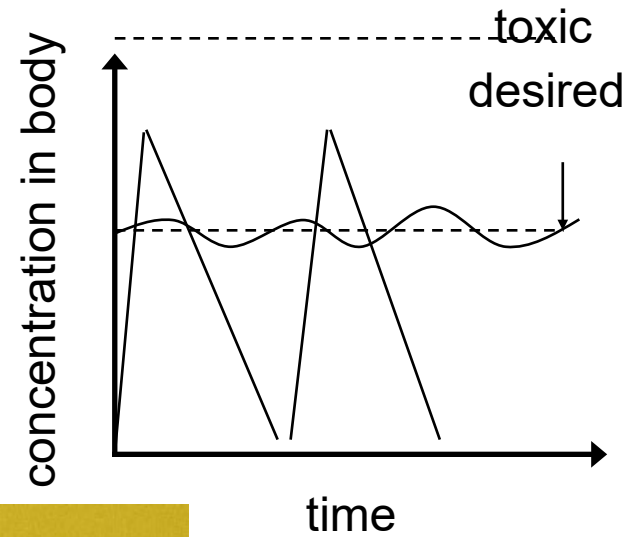
Some Problems Chemical Engineers Work On

- Fuels & Energy
- Biotechnology/Drugs
- Food & Beverages
- Consumer Products
- Advanced Materials & Plastics
- Chemicals
- Recycling & Environmental Remediation

Fuels & Energy



Biotechnology and Medicine Production

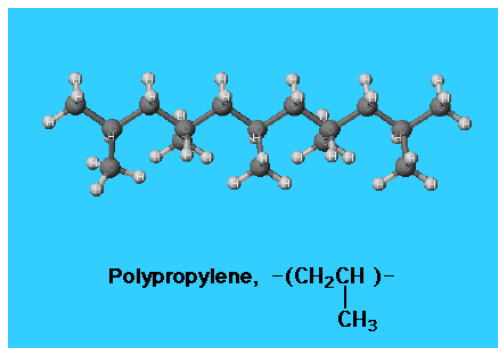


<http://www.nowchem.com.au>

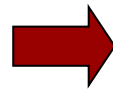


<http://www.butterworth-labs.co.uk>

Advanced Materials & Plastics



<http://www.elmhurst.edu/>



<http://www.east-coast-plastics.co.uk/>



<http://www.brooksidepress.org/>



<http://sunloungers.co.uk/>

Consumer Products



<http://www.christiananswers.net/>



<http://www.strangenewproducts.com>



<http://money.cnn.com/>



<http://www.shoplet.com/>



<http://www.rfidnews.se>



<http://www.oliver13.org>



<http://www.uk.pg.com/>

Food & Beverages



<http://www.businessweek.com>



http://www.nestle.fi/site_dir/nestle_fi



<http://www.newimg.bbc.co.uk>



<http://cranberries.de/>



<http://www.funtimesguide.com>

Key Advantages @ Illinois



- Core courses – every semester – flexible scheduling
- Cross curricular design projects
- Undergraduate research
- Undergraduate TA's, tutors, mentors
- Industrial interactions
- Community!

Chemical Engineering • 4 Year Curriculum



YEAR 1		YEAR 2		YEAR 3		YEAR 4	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
MATH 221 Calculus I	MATH 231 Calculus II	MATH 241 Calculus III	MATH 257 or MATH 415 Linear Algebra	CHBE 411 ChBE ProbStat	CHEM 436 or MCB 450	CHBE 440 Process Control	CHBE 431 Process Design
CHEM 202 Acc Chem I	PHYS 211 Physics 1	PHYS 212 Physics 2	MATH 285 Differ Eqns	CHEM 442 Phys Chem	CHBE 422 Mass Transfer	CHBE 430 Unit Ops Lab	Tech Elect List 1
CHEM 203 Chem Lab	CHEM 204 Acc Chem II	CHEM 236 Org Chem I	PHYS 214 Physics 4	CHEM 420 Analytical Chem	CHBE 424 Reaction Engr	CHBE Tech Elect	Tech Elect List 1
ENG 100 GCOE Orientation	CHEM 205 Chem Lab	CHEM 237 Org Chem Lab	CS 101 Intro CS	CHEM 315 Chem Lab	CHBE Tech Elect	Tech Elect List 1 or 2 400 level	Gen Ed Elect
Gen Ed Elect	CHBE 121 CHBE Profession	CHBE 221 Principles ChE	CHBE 321 Thermodynamics	CHBE 421 Momentum/Heat	Gen Ed Elect	Tech Elect List 1	Gen Ed Elect
Gen Ed Elect	Gen Ed Elect						

Math
 Chemistry
 Physics
 Computer Science
 Chemical Engineering
 Technical Electives
 General Education Electives

Chemical Engineering Research



UG program*

- #10 for chemical engineering
- #6 overall engineering

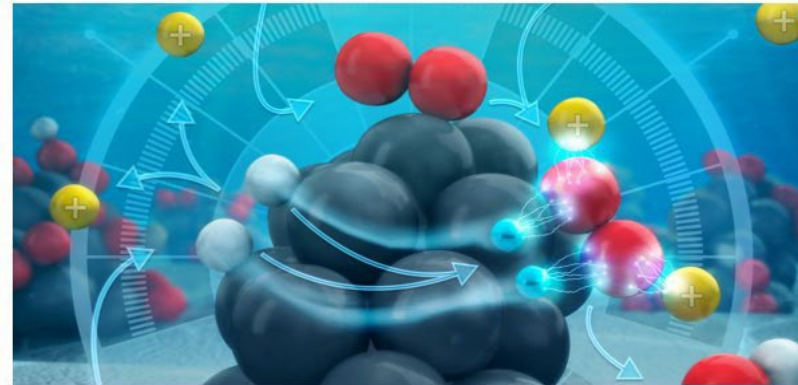
Grad program*

- #11 for chemical engineering
- #6 overall engineering

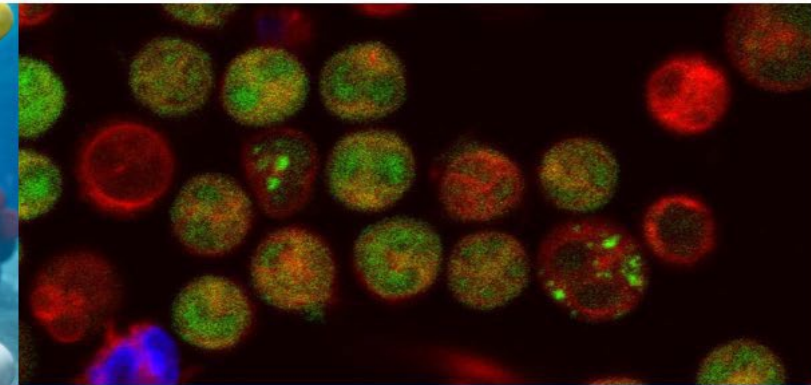
Faculty

- 30+ research faculty
- 3 teaching faculty

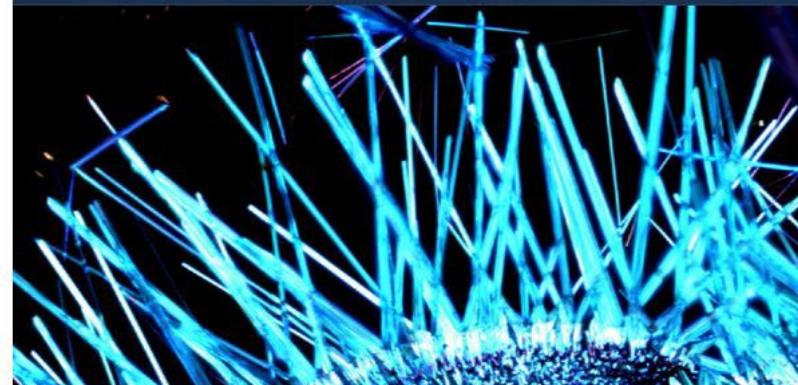
* [US News & World Report](#)



**CATALYSIS AND SURFACE
CHEMISTRY**



**BIOLOGICAL AND BIOCHEMICAL
ENGINEERING**



**SOFT MATERIALS AND COMPLEX
FLUIDS**



**STATE-OF-THE-ART RESEARCH
CENTERS AND FACILITIES**

Support and Community



Academic Support

- Tutoring
 - Center for Academic Resources in Engineering (CARE)
 - ChBE Tutoring
 - Chemistry Learning Center
- Academic & Career
 - SCS Academic Advising
 - SCS Career Services
 - The Career Center Pre-Health Advising
- Health & Mental Health
 - Counseling Center
 - McKinley Health Services
 - Recreational Facilities

Student Organizations

- 1000+ on campus
- School of Chemical Sciences-Specific
 - AIChE
 - NOBCCHE
 - OXE (Omega Chi Epsilon)
 - REACT
 - SACNAS
 - WiCS
- Grainger College of Engineering
 - oSTEM
 - NSBE
 - SHPE
 - SWE



...But Wait, There's More!

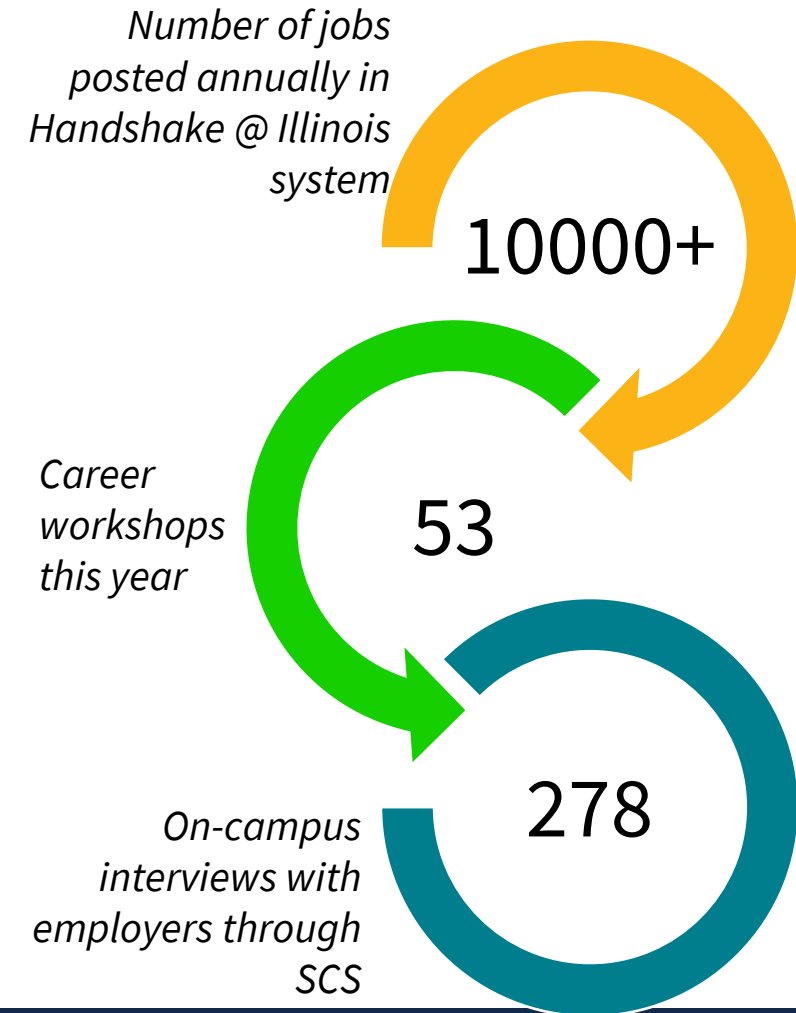
- Study abroad
- Summer research opportunities
- Internships
- Cooperative Education program

School of Chemical Sciences Career Services



We assist with...internships, career planning, job searching, Career Fairs, employer events, and more!

92
Of Fortune 100
Companies
Recruit on Campus



Where Chemical Engineers Work



87% of students have
internships, cooperative
education, and/or research

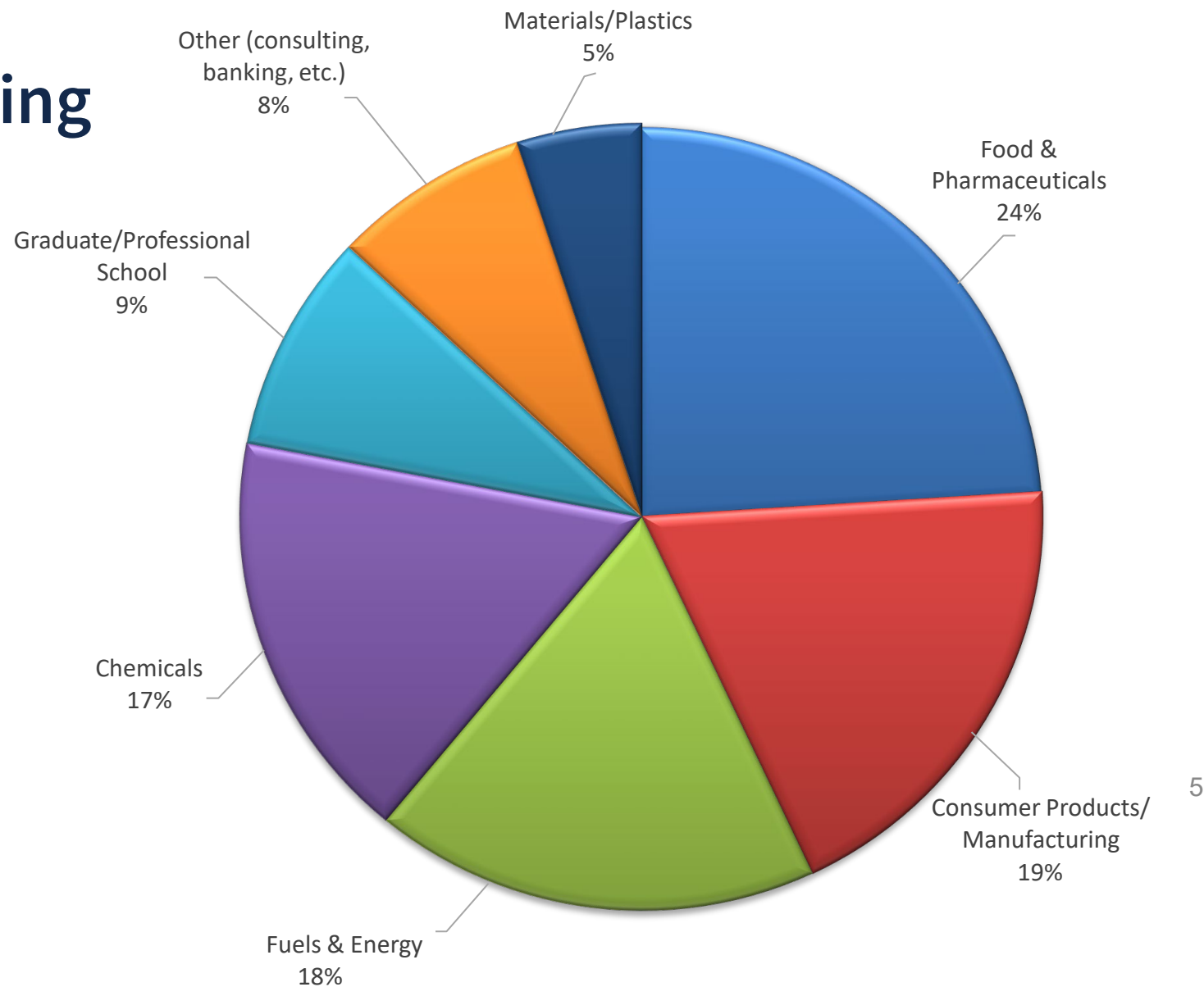
63% of students
stayed in the Midwest

90% of graduates
secured a first destination
before graduation
(98% within 6 months)

**Average starting salary
for ChBE students who go
to industry**

\$84,181

Where Our Chemical Engineering Graduates Start



School of Chemical Sciences Academic Advising



- Every student has an assigned advisor who works with them throughout their academic journey
- Wolali Dedo, last names A-G
- Hannah Mathwich, last names H-N
- Todd Spinner, last names O-Z



Academic Advisors Assist Students With...



- Transitioning to the university
- Setting academic, personal, and professional goals
- Locating appropriate campus resources
- Mapping out an individualized degree completion plan
- Understanding departmental and college policies and procedures
- General academic and non-academic support

Helpful Links



- Chemical & Biomolecular Engineering:
(will include link to Illini Fest presentation on 9/28/2026)
<https://chbe.illinois.edu/admissions/undergraduate>
<https://chbe.illinois.edu/academics/undergraduate>
- SCS Career Services:
<https://scs.illinois.edu/academics/careers>
- SCS Academic Advising:
<https://scs.illinois.edu/academics/advising>



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