

# CHEMICAL ENGINEERING

## Break into engineering at the molecular level.

Chemical engineering is all around us. It makes our fuels burn cleaner, our batteries last longer, drug therapies more easily deliverable, our water safe for drinking, and the fibers in our clothes more resistant to the washing machine. As a chemical engineer, you will know - at a molecular level - how raw materials become products and how we can innovate to solve global challenges like pandemics, climate change, clean drinking water, and renewable resources.



**“ After separating from the U.S. Navy, I did research and found that UIC has one of the best engineering programs. After I started my program I found all of the professors in the department were extremely knowledgeable and very patient.”**

**Tianna Mitchell**, BS '20  
Quality Systems Specialist Melinta Therapeutics

### Chemical engineering can prepare you – in the best of ways

A chemical engineering degree prepares you for a wide range of roles such as controls engineer, environmental engineer, health and safety engineer, materials engineer, operations engineer, pharmaceutical engineer, process engineer, product engineer, program manager, and validation engineer. Our graduates work at companies from Beyond Meat to Intel, from Abbvie to Lockheed Martin. Scroll the full list at [go.uic.edu/cbe-jobs](https://go.uic.edu/cbe-jobs).

More than half of our young alumni report salaries from \$75,000 to \$130,000+.

Thinking about medical school, law school, or an MBA? A chemical engineering degree is an excellent foundation for any of these – and will set you apart from other candidates. The department now offers a 4+1 master's degree program to allow undergraduates to receive an MS degree in five years.

**You can customize your chemical engineering major with one of six concentrations. Find them on the ChemE Major page at [che.uic.edu](https://che.uic.edu).**



### CREATIVITY IN ACTION

For our annual senior design showcase, the UIC Engineering Expo, chemical engineering students have:

- ▶ Created a process that heats up plastic waste to such a temperature that it breaks down into hydrocarbons that can then be converted into fuel.
- ▶ Investigated a yeast enzyme that could cut through plastic waste.
- ▶ Developed a new method to produce ammonia with renewable resources to help increase global food supplies.
- ▶ Designed a system to turn municipal waste into synthesis gas that can be turned into aviation-grade kerosene.

**With a chemical engineering degree, you might:**



Improve processing techniques to increase the range of plant-based foods



Develop plastics that are less detrimental to our environment



Identify ways to make more materials recyclable

**UIC**

Chicago is  
where you  
will rise.



**Chemical Engineering**

[che.uic.edu](http://che.uic.edu)



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