MECHANICAL ENGINEERING

Mechanical engineers create products and technologies that improve society.

As a mechanical engineer, you will develop an understanding of mechanics, design and production, and the flow and transfer of energy. You will have the freedom to direct your knowledge and skills toward the products and systems that interest you most: from the very large—think aircraft, power plants, and factory equipment—to the extremely small, such as nanotechnology.

"The courses and diversity of students and professors helped prepare me for the working world. I still use many of the skills learned at UIC at my work."

Joanna Tan, Mechanical Engineering '20
Mechanical Engineer, Argonne National Laboratory

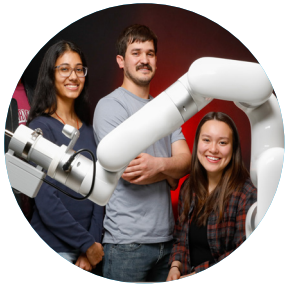
Precision performance

Imagine racing a car that you helped design and build. UIC students take on this challenge every year as members of the Society of Automotive Engineers. Recently, the Formula team captured first place during Lawrence Technological University's annual autumn Grand Prix in Southfield, Michigan.

The autocross-style race challenged the drivers to navigate through a defined course of cones without hitting any. UIC won with the fastest lap time of 33.96 seconds, edging out the second-place team that recorded a time of 34.24 seconds.

The student-run engineering organization is centered around designing, manufacturing, testing, and racing custom single-seat race cars. The competitions test the students' engineering and project management skills and provides them problem-solving experiences beyond the classroom. Additionally, the students take part in outreach opportunities including K-12 school lectures, STEM events, company visits, and a booth at the Chicago Auto Show.

Visit mie.uic.edu for more information about major requirements, student groups, and courses.



CREATIVITY IN ACTION

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

- An organic air filter to capture more CO2 from the air
- An electronic throttle control for the Formula E car
- A radioactive material handling system for Fermilab
- An eye drop dispenser with a built-in stabilization system for people with hand tremors

With a mechanical engineering degree, you might:

- Work on the rocket propulsion that will enable the next Mars mission
- Investigate alternative energy sources to help the world adapt to climate change
- Develop next-generation automotive fuels, parts, and systems