

Department of Chemical Engineering

Contact Information:

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Administration:

Head, Dr. Vikas Berry, vikasb@uic.edu
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Academic Advisors: Professors Berry, Bilgin, Caracotsios, Chaplin, Cheng, Kim, Liu, Mehraeen, Ngo, Sharma, Singh, Wedgewood, and Zdunek

In the Chemical Engineering curriculum, students learn to apply chemistry, physics, and mathematics to the industrial-scale design and production of materials and chemicals, including petroleum products, polymers, pharmaceuticals, electronic devices, consumer products, and foods. This program also explores chemical engineering applications in developing processes for environmental protection, waste treatment and reducing global warming gases, the creation of alternative energy sources, and other frontiers, such as biotechnology, drug delivery, molecular engineering, microelectronic materials and nanotechnology.

The BS in Chemical Engineering program offers expertise in a wide variety of areas, including energy and the environment, molecular engineering, nanotechnology, electrochemistry, process design, and process control. Students may use elective courses to specialize in these and other areas. The program's goal is to prepare students for careers in industry or government, and for further study at the graduate level. As the only chemical engineering department at a public university in the Chicago metropolitan area, this program provides unique opportunities for students to interact with industry mentors during their senior capstone design projects, and with world-class industries through undergraduate research projects and internship programs.

Accreditation

The Chemical engineering program at UIC is accredited by the [Engineering Accreditation Commission of ABET](#)

Degree Programs

- [BS in Chemical Engineering](#)
- [Joint BS in Chemical Engineering/MS in Chemical Engineering](#)

Minor

- [Minor in Chemical Engineering](#)