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

The BS in Chemical Engineering program offers expertise in a wide
variety of areas, including thermodynamics, separation processes,
transport phenomena, reactor design, combustion, 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 world-class industries through research projects
and internship programs.

Degree Programs
• BS in Chemical Engineering (http://catalog.uic.edu/ucat/colleges-
depts/engineering/che/bs-che)

Minor
• Minor in Chemical Engineering (http://catalog.uic.edu/ucat/colleges-
depts/engineering/che/minor-che)