

CHEMICAL ENGINEERING

The Department of Chemical Engineering offers programs leading to the Master of Sciences (MS), Master of Engineering, (ME), and Doctor of Philosophy (Ph. D.) degrees.

In addition to the admission requirements of the Graduate Studies Office, a Bachelor of Science degree in Chemical Engineering or its equivalent is required.

Academic graduation requirements for Master of Science and Master of Engineering Programs above those established by the Graduate Studies Office include approving the following four core courses: Advanced Thermodynamics, Transport Phenomena, Reactor Design, and Mathematical Methods in Chemical Engineering.

Research in the Department of Chemical Engineering spans the spectrum from fundamental work on chemical engineering science to applications development. Research projects broadly falls in the following categories:

- Bioprocess and Biomedical Engineering
- Catalysis and Surface Engineering
- Complex Fluids and Soft Matter
- Transport and Separations
- Pharmaceutical and Chemical Processes

Other research in traditional chemical engineering disciplines is also represented in the department.