

## Department of Chemical Engineering

Chemical Engineering is a wide and multifaceted branch of engineering concerned with the design, development and application of the processes and systems by which the chemical structures of materials, their energy content or physical status changes. This branch of engineering also collaborates with other branches of engineering to challenge the limits of science and technology.

The Department of Chemical Engineering serves its students with a curriculum and laboratories prepared to educate engineers who have adopted innovation and sustainability as their philosophy, who can use new technologies effectively, who in addition to engineering knowledge



are competent in social and economic knowledge with an aim to research, develop and produce.

Our department conducts research in various fields including energy technologies (energy and exergy analysis, hydrogen production, fuel cell development, bioliquefaction and pyrolysis, biodiesel etc.), separation technologies (supercritical extraction, membrane technology etc.), crystallization, kinetics, catalysis, nanotechnology, reactor design, process control, polymer technology, cement technology, boron technology, environmental technology, electrochemical processes, food technology, biochemical engineering, mathematical modeling and computational applications.

Our department continues its educational and academic activities with academic staff including 9 professors, 17 assistant professors and 20 research assistants.

### **Divisions**

- Chemical Technologies
- Process and Reactor Design
- Unit Operations and Thermodynamics

#### **Contact**

Department of Chemical Engineering

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