Mission

The mission of the Chemical & Biomolecular Engineering Department at the University of Houston is to educate students to become highly qualified chemical engineers, conduct innovative research in chemical engineering and related interdisciplinary areas, and provide service to the profession and to society.

Program Educational Objectives

The program's educational objectives are to prepare graduates who will:

- Meet or exceed the evolving expectations of employers, particularly in the energy and chemical industries;
- Pursue lifelong learning and development, especially through advanced studies; and
- Become future leaders in industry, academe, or government.

Cullen College of Engineering Mission Statement
University of Houston Mission Statement

Student Outcomes
The Chemical Engineering Program prepares graduates to attain the program educational objectives. Student outcomes are articulated below.

a. an ability to apply knowledge of mathematics, science, and engineering
b. an ability to design and conduct experiments, as well as to analyze and interpret data
c. an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
d. an ability to function on multidisciplinary teams
e. an ability to identify, formulate, and solve engineering problems
f. an understanding of professional and ethical responsibility
g. an ability to communicate effectively
h. the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
i. a recognition of the need for, and an ability to engage in life-long learning
j. a knowledge of contemporary issues
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Student Enrollment and BS Degrees Awarded
BS Student Enrollment in Chemical Engineering Program