

Department of Chemical & Biomolecular Engineering

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Introduction

The department of Chemical and Biomolecular Engineering deals with a new engineering discipline that is based on the combination of life science and nanochemical principles with chemical engineering. The main concern of chemical and biomolecular engineering is to design products and processes that are related to biotechnology and information processing technology.

□ Undergraduate Program

The department offers a four-year undergraduate program leading to the degree of Bachelor of Science. The undergraduate program is thus designed to provide an intensive exposure of its students to a wide spectrum of intellectual pursuits. For the first two or three semesters, students are encouraged to take classes in general education, including basic sciences. Then, students may decide on their major by taking basic and elective courses in specific field, according to their individual interest and ability. Nevertheless, the KAIST undergraduate program is highly flexible, allowing students to take graduate courses and to complete their course work according to their abilities, and giving them an option for early graduation.

□ Graduate Program

The department offers courses leading to the degree of Master of Science and the degree of Doctor of Philosophy. Thesis writing under the supervision of advisor is required to receive the degrees.