

Are you interested in chemistry, biology and technology? Study Chemical and Biological Engineering at the FAU! Our program is international, research- and practice-oriented and accredited!

Chemical and Biological Engineering (CBI) deals with the modification of substances through chemical, physical and biological processes. As a link between chemistry and biology as well as apparatus and plant construction, the task of chemical and bioengineers is to implement the processes for substance modification (e.g. syntheses) developed in the laboratory on a production scale. This requires knowledge of the natural sciences (chemistry, biology, physics and mathematics) and engineering. During the degree program you learn (for example):

Chemie- und Bioingenieurwesen

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Bewerbung für zulassungsfreie Studiengänge

In the first 4 semesters students acquire basics from natural sciences (chemistry, biology, mathematics and physics) and from engineering (chemical and biological process technology, design theory, technical thermodynamics). In the following semesters, these basics will be implemented and deepened in the relevant areas of the chemical and biological engineering such as reaction engineering, thermodynamics, fluid mechanics, bioprocess engineering, separation processes and simulations. The Bachelor's thesis (last semester) enables students to learn to solve problems independently in the field of chemical and biological engineering.

More than half of German industrial production requires process engineering. The spectrum ranges from the oil industry to the chemical and pharmaceutical industry, biotechnology, the food industry and plant construction. In addition, process engineering is becoming increasingly important in the areas of automotive engineering, energy technology and environmental protection.

Possible fields of application:

30.09.

Knowledge of German (at about the Level C1/C2) is required. The following certificates are accepted as proof of language ability when enrolling at FAU: certificates.

The application deadline for the winter semester for international applicants is July 15th.

The bachelor's degree program in Chemical and Biological Engineering is free of admission restrictions (NC). However, a very good knowledge of German (at about the Level C1/C2) is required. The following certificates are accepted as proof of language ability when enrolling at FAU: certificates. Please find more information about applications, application deadlines and enrollment on the FAU website: application and enrolment

In addition to the general qualification for university entrance (Abitur), there are other access options for studying at FAU.

Our Student Advice and Career Service (IBZ) is the central point of contact for all questions about studying and starting a degree programme. Our Student Service Centres and subject advisors support you in planning your studies.

Degree: Bachelor of Science (B.Sc.)

Duration of studies in semester: 6

Start of degree program: Winter semester

Study location: Erlangen

Number of students: 150-250

Subject group: Engineering sciences

Special ways to study: 1-subject Bachelor

Teaching language: completely in German

Admission Requirements: No Admissions Restrictions

Admission requirements (first semester): No Admissions Restrictions

Application deadline winter semester: 30.09.

German language skills for international applicants: DSH 2 or equivalent

General language skills: Knowledge of German (at about the Level C1/C2)

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Details and notes: The application deadline for the winter semester for international applicants is July 15th.

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