

Are you interested in chemistry, technology and sustainability? Study Chemical Engineering – Sustainable Chemical Technologies at the FAU! Our course is international, research and practice-oriented and accredited! The degree program Chemical Engineering – Sustainable Chemical Technologies (CEN) focusses on the use of material resources and their conversion while considering sustainability and thereby evaluating possible effects for future generations. Chemical engineers use scientific and mathematical knowledge to arrive at economically efficient, safe and environmentally friendly processes. In particular, the incorporation of the concept of sustainability into the students' education is intended to enable the development of efficient solutions to problems along the entire life cycle of a product, e.g. through new processes in chemical production, through energy and raw material savings or through research and development work.

Tasks of chemical engineers include the following:

Chemical Engineering

2 Minuten Wissen – wie funktioniert ein Katalysator?

Bewerbung für zulassungsfreie Studiengänge

In the first 4 semesters, the basics from the natural sciences (chemistry, mathematics and physics) and from engineering (design theory, thermodynamics) are acquired. In the second semester the focal topic of your studies, sustainability, will be introduced through the module "Sustainable Chemical Process Technology", preparing you for the consecutive lectures "Sustainable Chemical Technologies 1-3". In the following semesters, these basics will be applied and deepened in the relevant areas of chemical engineering such as reaction engineering, fluid mechanics, separation processes and simulations. The Bachelor's thesis (last semester) enables students to learn to solve problems independently in the field of Sustainable Chemical Technologies.

Specialization: Sustainable Chemical Technologies

Graduates of the program are in great demand in research centers, companies in the chemical industry or government agencies. They tackle the following challenges of sustainability in process analysis, process development and optimization, design and construction, and damage and incident analysis.

Fields of activity are for example:

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: Accepted German language certificates.

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

The bachelor's degree in Chemical Engineering – Sustainable Chemical Technologies (CEN) 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: Accepted German language 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: 50-150

Subject group: Engineering sciences

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) is required. The following certificates are accepted as proof of language ability when enrolling at FAU: Accepted German language certificates.

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

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