Do you want to learn how to stop climate change and how to drive the energy transition through new technologies and processes? Then the Clean Energy Processes degree program is a perfect fit for you! The English-language program not only allows you to study in small groups with students from all over the world, but also to benefit from a highly research and practice-oriented environment. In particular, you can expect content from the fields of engineering, technology and natural sciences, especially chemistry, as well as from related engineering disciplines. A wide range of exciting career opportunities are open to our graduates.
The innovative Bachelor's degree program Clean Energy Processes provides students with a comprehensive understanding of ecofriendly energy and sustainable energy processes. Today, engineers are required to be able to work on questions of energy change and to find the necessary solutions for a sustainable future for the planet.
The unique course (introduced in winter semester 2021/22) imparts knowledge from the fields of engineering, technology, natural sciences, and related engineering disciplines. The topics of the future in energy supply and storage, such as hydrogen and environmentally-friendly fuel cells, are covered. Knowledge from other fields such as economics, ethics and sustainability is integrated in the curriculum to consider all important aspects of the topic. Our students benefit from an international and research-oriented environment that is second to none. English as the language of instruction prepares students to work in international teams and provides them with the vocabulary needed for challenging jobs in industry or research.
Students will have the possibility to develop and obtain knowledge on cutting-edge research in energy processes done by the Helmholtz Institute for Renewable Energies and other relevant institutes situated at or in close proximity to FAU (e.g. Energy Campus Nürnberg, Fraunhofer Institute for Integrated Circuits, Bavarian Center for Applied Energy Research e.V.).
CEP info brochure
FAU - Moving Knowledge
#FAUtogether
2 Minuten Wissen - Dampfmaschine
The B.Sc. CEP program is a 3-year Bachelor's degree course and provides students with a comprehensive understanding in clean energy and sustainable processes.
The study plan includes:
Key and additional qualification
Students can choose from FAU's catalogue of elective modules including key qualifications and language courses.
All applicants to the Bachelor's degree program in CEP have to pass a qualification assessment process (Eignungsfeststellungsverfahren) in order to enroll in the program.
Please be aware that the secondary education qualification from your school in your home country does not necessarily entitle you to study at a German university. International applicants might have to take an assessment examination (Feststellungsprüfung) before they can be admitted. Information on the types of international university entrance qualifications and the type of access to university can be found here. If you are not sure whether your educational background can be considered a university entrance qualification in Germany, please visit the website of the German Academic Exchange Service (DAAD). By stating your home country and qualifications obtained there, and by answering some country-specific questions you can find out whether you are eligible to study in Germany.
Currently, there is a great demand for engineers who have a comprehensive knowledge of innovative sustainable technologies for the energy supply of tomorrow. Our graduates can play a significant role in the successful introduction of new sustainable energy systems and energy processes and

technologies and evaluate sustainability on a global scale. The job opportunities for graduates are diverse and range from consulting and auditing, for example in the field of politics, to traditional jobs in research and development departments in all kinds of industries, to process and quality management as well as jobs at energy providers and companies developing energy technologies. As they have more experience with international and research-related topics than other graduates, they are especially suited for tasks at the highest level of engineering with an international focus or to pursue further studies leading to a Master's and/or doctoral degree.
30.09.
The proof of English language proficiency on level B2 CEFR must be provided by one of the following proofs:
Deadline for applications is July 15th (international applicants) and September 30th (domestic applicants).
International applicants shall apply as early as possible.
Detailed information on the application process can be found on the CEP website.
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: 1-50
Subject group: Engineering sciences, Mathematics, Natural sciences
Special ways to study: 1-subject Bachelor, International degree program
Teaching language: completely in English
Admission Requirements: No Admissions Restrictions
Admission requirements (first semester): No Admissions Restrictions
Application deadline winter semester: 30.09.
General language skills: The proof of English language proficiency on level B2 CEFR must be provided by one of the following proofs:

your school leaving certificate (only applicants with a German university entrance qualification "HZB")
Test of English as a Foreign Language (TOEFL) with at least 80 points in iBT
International English Language Testing System (IELTS) 5.0 or higher
for alternative certificates please see:
https://sz.fau.eu/examinations/accreditation/
Details and notes: Deadline for applications is July 15th (international applicants) and September 30th (domestic applicants).
International applicants shall apply as early as possible.
Detailed information on the application process can be found on the CEP website.