

The Master's programme in Energy Technology is aimed at graduates of a Bachelor's programme in engineering sciences in the field of energy process engineering, electrical engineering or materials science with the respective focus on energy technology who would like to deepen and expand their knowledge and skills in this field.

With us, you will not only acquire sound knowledge in the areas of energy generation, transmission and storage, but also in the topics of sustainability and environmental protection. You will learn how to develop and implement energy-efficient systems and technologies to help meet global challenges.

The research-oriented, interdisciplinary Master's degree program in Energy Technology has a standard duration of 4 semesters and builds consecutively on the Bachelor's degree program. The courses of the Master's program are divided into 5 compulsory modules and a broad catalog of compulsory elective and elective modules:

The module catalogs are completed by:

In the sense of a meaningful focus, one of three fields of study can be chosen in the master's program and an individual profile can be formed. The Master's program consists of the following modules for each field of study:

120 ECTS credits are required for the successful completion of the Master's program.

The Master of Science (M.Sc.) is an internationally recognized, professionally qualifying scientific university degree. It qualifies students for doctoral studies in Germany and abroad as well as for academic work in science and teaching. It also qualifies for professional entry into business, administration and politics.

15.07.

15.01.

The admission requirement is a subject-specific bachelor's degree completed with above-average success in Germany or abroad and a grade of 2.5.

Admission to the Master's program can also be granted under certain conditions if the average grade of at least four of the following modules is 3.0 or better:

Related Bachelor's degree / access to Master's possible with conditions

There is also an individual examination for other courses of study.

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: Master of Science

Duration of studies in semester: 4

Start of degree program: Summer semester, Winter semester

Study location: Erlangen

Number of students: 50-150

Subject group: Engineering sciences

Special ways to study: Part-time degree program

Teaching language: German and English

Admission Requirements: Qualification assessment

Admission requirements (first semester): Qualification assessment

Application deadline winter semester: 15.07.

Application deadline summer semester: 15.01.

Content-related admission requirements: The admission requirement is a subject-specific bachelor's degree completed with above-average success in Germany or abroad and a grade of 2.5.

Admission to the Master's program can also be granted under certain conditions if the average grade of at least four of the following modules is 3.0 or better:

Strömungsmechanik  
Regenerative Energiesysteme  
Technische Thermodynamik  
Konstruktionslehre  
Wärme- und Stoffübertragung  
Energie- und Antriebstechnik  
Energietechnik  
Chemische Reaktionstechnik  
Materialien der Elektronik und Energietechnik  
Einführung in die Regelungstechnik  
Werkstoffe: Mechanische Eigenschaften und Verarbeitung

Related Bachelor's degree / access to Master's possible with conditions

Chemical and Bioengineering: if a corresponding field of study is chosen in the Master's program

Chemical Engineering -Sustainable Chemical Technologies: if a corresponding field of study is chosen in the Master's program

Electrical Engineering-Electronics-Information Technology: if a corresponding field of study is chosen in the Master's program

Mechanical Engineering: if a corresponding field of study is chosen in the Master's program

Materials Science and Materials Engineering: if a corresponding field of study is chosen in the Master's degree.

There is also an individual examination for other courses of study.

German language skills for international applicants: DSH 2 or equivalent