



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Bachelor's degree



Bachelor of Engineering in Electrical Engineering

FH Aachen University of Applied Sciences • Jülich

Overview

Degree	Bachelor of Engineering in Electrical Engineering
Teaching language	<ul style="list-style-type: none">German
Languages	The course of study is conducted in German. A technical German course is required for international students during the first two semesters.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	6 semesters
Beginning	Winter semester
Application deadline	15 July for international applicants (only through uni-assist) See https://www.fh-aachen.de/en/studies/applying/international-applicants/applicants-with-foreign-proofs-of-education for more information. 31 August for applicants with German Abitur or Fachhochschulreife
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No
Description/content	<p>The degree programme has a strong focus on applied engineering with practical experience. Students are required to complete an internship before their studies in order to obtain practical experience in their chosen field.</p> <p>After completing their basic engineering studies in the first three semesters, students have the option of focusing their interests in energy and environmental protection engineering, electrical energy engineering, or electrical power engineering.</p> <p>The specialisation Electrical Energy Technology deals with the production, distribution, and conversion of electrical energy. Topics such as the use of renewable energy sources and appropriate energy management play an important role in these studies. Our modern, well-equipped labs play a major role in ensuring that students are later able to apply their knowledge to their chosen careers. Advanced students plan projects together, work towards a common goal and then present the results in a written report as well as to the class. Students can complete their Bachelor's projects in industry or at the nearby Jülich Research Centre (http://www.fz-juelich.de) as well as in the university labs. Some students choose to continue in a Master's programme, such as our Master of Science in Energy Systems or Master of Science in Mechatronics or another Master's programme offered at our</p>

university or another institution.
More details about the programme are available on our website: <https://www.fh-aachen.de/studium/studiengaenge/electrical-engineering-aos-beng>

Course Details

Course organisation	<p>During the first three semesters, students focus on basic sciences and engineering courses. Starting in the fourth semester, students focus on their specialisation. In the sixth semester, each student takes elective modules or conducts research for a project in addition to the Bachelor's thesis.</p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• Language training provided
Description of other international elements	<p>The study programme includes two modules with international focus:</p> <ul style="list-style-type: none">• "Cross Cultural Behaviour" (module in the third semester)• "International Management" (module in the fourth semester) <p>The main goal of internationalisation in our studies is to qualify the students to collaborate in a target-oriented manner in international projects with people of different professions and different cultures.</p>
Integrated internships	<p>Students are required to complete an eight-week internship related to their field of study before enrolment.</p> <p>The purpose of the internship is to give students practical experience in their chosen field and to expose them to a working environment.</p>
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	Currently approx. 320 EUR per semester
Costs of living	<p>Approx. 934 EUR per month, including mandatory health insurance</p> <p>The semester ticket (included in the student activity fee) includes free use of public transport in the</p>

German state of North Rhine-Westphalia.

Funding opportunities within the university No

Requirements / Registration

Academic admission requirements German entrance qualification for universities of applied sciences or equivalent (<http://anabin.kmk.org>)

Eight weeks of the required internship must be completed before enrolment.

Many international students do not fulfil these requirements, but can qualify through the "Freshman Year" (<http://www.fh-aachen.de/en/university/freshman/>).

Language requirements Applicants must provide proof of their German language proficiency at the B2 level of the Common European Framework of Reference for Languages.

Application deadline 15 July for international applicants (only through uni-assist)
See <https://www.fh-aachen.de/en/studies/applying/international-applicants/applicants-with-foreign-proofs-of-education> for more information.

31 August for applicants with German Abitur or Fachhochschulreife

Submit application to <https://hi.fh-aachen.de>

Services

Possibility of finding part-time employment Applicants should not count on financing their stay in Jülich or Aachen by working part-time during their studies. However, some students are successful in finding part-time jobs either at the university or elsewhere.

Accommodation Some students live in student dormitories. Other students generally live in shared apartments in which each student has his or her own room. Living areas, bathrooms, and cooking facilities are shared. Furnished rooms start at about 300 EUR per month, plus about 75 EUR per month for electricity, water, and heating. Most rooms require the first month's rent and a security deposit of one to three months' rent in advance before you can move into the room. If the room is in good condition when you move out, your security deposit will be returned. International students can place their names on a waiting list for the student dormitories.

Career advisory service <https://www.fh-aachen.de/hochschule/career-service/>

Support for international students and doctoral candidates

- Welcome event
- Specialist counselling

Contact

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🌐 Course website: <https://www.fh-aachen.de/studium/studiengaenge/electrical-engineering-aos-beng>

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International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

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GATE-Germany

Consortium for International Higher Education Marketing

www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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