



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Bachelor's degree



Bachelor of Science in Biotechnology

FH Aachen University of Applied Sciences • Jülich

Overview

Degree	Bachelor of Science in Biotechnology
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
Additional information on beginning, duration and mode of study	Optionally, students can change to a seven-semester programme with a practical semester during the current Bachelor's programme. With this degree programme, 210 ECTS can be gained.
Application deadline	<ul style="list-style-type: none">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-education31 August for applicants with a German "Abitur" or "Fachhochschulreife"
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No

Description/content

Our biotechnology degree programme provides you with a broad spectrum of practical and theoretical fundamentals. We cover all important areas of modern biotechnology with our study content. You will attend lectures and practical courses in biochemistry, genetic engineering, microbiology, enzyme technology, bioprocess engineering, processing technology, immunology, cell culture technology and more. Moreover, you will learn how to specifically modify microorganisms, how to produce proteins, how technical fermenters work, and you will get to know numerous important analytical methods.

The study programme aims to cover the technical breadth of biotechnology at a high and modern level. As a university of applied sciences, we keep the requirements of the labour market in focus. In addition, many practical methods are taught in modern laboratories and computer rooms throughout the entire study programme.

In the science city of Jülich, students have many possibilities to complete their scientific theses at

renowned research institutes. In addition to a strong biotech industry, the Jülich Research Centre and the Brainery Park Jülich with several thousand scientists offer an innovative research environment. Research groups at the Department of Biotechnology also offer final theses.

The department offers a postgraduate Master's programme in Biotechnology. In this, students can specialise in biotechnology fields.

More details about the programme are available on our website <https://www.fh-aachen.de/en/studies/degree-programmes/biotechnology-bsc/study-contents>.

Course Details

Course organisation	During the first three semesters, students focus on theoretical and practical basic sciences and engineering courses. Starting in the fourth semester, students focus on their specialisation. In the sixth semester, each student conducts the research for a practical project in addition to the Bachelor's thesis. » PDF Download
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• Language training provided
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	Approx. 934 EUR per month, including mandatory health insurance The semester ticket (included in the student activity fee) includes free use of public transport in the 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 (<https://anabin.kmk.org/>)

Many international students may not have fulfilled these requirements yet, but they can fulfil these requirements through the "Freshman Year" (<https://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>
- 31 August for applicants with a 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. They 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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Faculty of Chemistry and Biotechnology

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🌐 Course website: <https://www.fh-aachen.de/en/studies/degree-programmes/biotechnology-bsc>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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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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