



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"><li>German</li></ul>
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"><li>full-time</li></ul>
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 if they have reached the C1 language level. With this degree programme, 210 ECTS can be obtained.
Application deadline	<ul style="list-style-type: none"><li>15 July for international applicants (only through uni-assist) See: <a href="https://www.fh-aachen.de/en/studies/applying/international-applicants/applicants-with-foreign-proofs-of-education">https://www.fh-aachen.de/en/studies/applying/international-applicants/applicants-with-foreign-proofs-of-education</a>.</li><li>31 August for applicants with a German "Abitur" or "Fachhochschulreife"</li></ul>
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No
Description/content	<p>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.</p> <p>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.</p>

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>.

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## Course Details

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<b>Course organisation</b>	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.  <a href="#">» PDF Download</a>
<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• Language training provided</li></ul>
<b>Description of other international elements</b>	International students may choose to complete the "Freshman Year" course in Germany prior to pursuing the Biotechnology Bachelor's programme. The "Freshman Year" programme at FH Aachen serves as an integration programme. It acts as a "soft landing" for international students, bridging the gap between their schooling in their home country and university studies in Germany. ( <a href="https://www.fh-aachen.de/en/university/freshman/">https://www.fh-aachen.de/en/university/freshman/</a> ).
<b>Course-specific, integrated German language courses</b>	Yes
<b>Course-specific, integrated English language courses</b>	No

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## Costs / Funding

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<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	Currently approx. 320 EUR per semester
<b>Costs of living</b>	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" programme (<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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🌐 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](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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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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