

Biomedical Sciences

Hochschule Fresenius, Campus Idstein
Bachelor of Science



Program

Are you fascinated by life sciences and their role in biomedicine? Would you like to pursue an English-taught bachelor's degree in Germany? The Biomedical Sciences (B.Sc.) program provides you with a solid foundation in molecular biology, biochemistry, immunology, and bioanalytics. The six-semester program ends with a bachelor's thesis, which is completed at a company or a research institute.



Key Facts

Semester 6

Credits 180 CP

Studienbeginn Winter semester

Sprache Englisch

Studiengangsform Full time

Bewerbungsfrist possible all year round

Studiengebühren 950,00 € monthly + 70,00 € per month (non-EU)

Contact

Study advice

Phone: +49 (0)221 650339 88

E-Mail: study@hs-fresenius.de

[Request info brochure!](#)

Content

Curriculum

The six-semester study program combines theory and practice. The first two semesters focus on natural science fundamentals, followed by specialized modules. Later, you deepen your biomedical knowledge and complete a bachelor's thesis. Topics include:

- Molecular biology
- Biochemistry
- Immunology
- Bioanalytics
- Data analysis and bioinformatics
- Quality assurance and legal frameworks
- Scientific communication and English for science

Specializations

In the fifth semester, you will develop advanced biomedical skills and explore current research topics. You will learn to analyze complex data, utilize modern tools, and critically address interdisciplinary challenges in areas like disease mechanisms, personalized medicine, and global health.

Practical focus

The Biomedical Sciences (B.Sc.) program at Fresenius University of Applied Sciences prioritizes practical learning. You will receive hands-on laboratory experience and become acquainted with the analytical instruments and scientific methods used in this research area. For your bachelor's thesis, you will work at a company or research institute, applying your knowledge in a professional setting and gaining valuable insights into the latest advancements in biomedical diagnostics and research.

Career

Career Prospects

As a graduate of the Biomedical Sciences (B.Sc.) program, you can work in diagnostic labs, medical and pharmaceutical research, biotechnology companies, and quality management. Typical fields include:

- Diagnostic laboratories
- Medical and pharmaceutical research
- Biotechnology and bioanalytics
- Biomedical product development
- Quality management and regulatory affairs
- Research and development

Admission

Admission Requirements

To gain admission to the Biomedical Sciences (B.Sc.) bachelor's program at Fresenius University of Applied Sciences, you need a university entrance qualification. Your English language proficiency must correspond to Level B2 of the Common European Framework of Reference for Languages (CEFR). If you do not yet meet these requirements, you can either take the university's admissions test or participate in preparatory courses.

Biologie

Medizin