



WHAT MAKES OUR BIOCHEMISTRY SO UNIQUE?

- ✓ **Academic excellence & cutting-edge research:** Join a prestigious German university and become part of a vibrant academic community (including the MPI for Biophysics & the Paul Ehrlich Institute).
- ✓ **State-of-the-art facilities & research-oriented training:** Gain hands-on experience using the latest methods, technologies and equipment in our state-of-the-art laboratories during intensive practical training.
- ✓ **Diverse course content:** Choose from a wide range of topics
- ✓ **Follow your individual focus:** In the core and elective areas you can 'freely' choose your modules.
- ✓ **Innovative approaches,** such as developing your own research projects
- ✓ **Mobility window** for research internships – also abroad
- ✓ **Small class sizes allow for individual support & a personal atmosphere:** Receive personalized guidance from our dedicated faculty and staff members who are committed to helping you succeed
- ✓ **Dynamic learning environment**
- ✓ **Excellent career opportunities**
- ✓ **Free "Starter Kit"** containing lab coat and safety google

FURTHER INFORMATION...

... about the Master's degree programme in Biochemistry can be found here:

www.uni-frankfurt.de/76805906/



AT A GLANCE

Degree	Master of Science
Duration	4 Semester
Begin	Wintersemester
Admission restriction	yes (English B2 is required)
Application period	1.5. - 31.5.

STUDY IN FRANKFURT

About the Goethe University

Goethe University is a research-intensive university in the European financial centre of Frankfurt. Lively, urban and cosmopolitan, it has a unique degree of independence as a foundation university. Founded in 1914 as Germany's first endowed university by Frankfurt citizens, it is the third largest university in Germany with over 42,000 students (as of winter semester 23/24).

With ten Collaborative Research Centres or Transregios (SFBs/TRRs), 14 SFB participations and four LOEWE Centres and Priority Programmes as well as three DFG Priority Programmes, Goethe University demonstrates its research strength on a daily basis. Close practical contacts contribute to solving political, social, economic and cultural problems. On the basis of the broad spectrum of subjects offered by the comprehensive university, Goethe University is committed to an educational ideal in the spirit of Humboldt.

Frankfurt - surprisingly different!

A metropolis in miniature: Frankfurt is more than just the stock exchange, skyline and airport. Global thinking and local traditions stand side by side. An international audience meets village structures and lively club life. Whether opera, theatre and concerts, zoo and Palmengarten, sports and museums, international trade fairs or quaint Äbbelwoi pubs - the centre of the Rhine-Main region has something for almost every taste. In short: Frankfurt is definitely worth a second look!

CONTACT

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60438 Frankfurt am Main

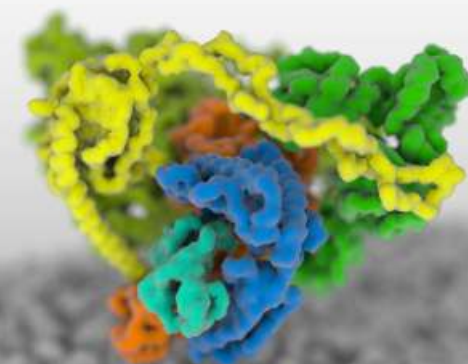
Teaching and study affairs advisor:
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Dr. Jana Liewald (j.liewald@biochem.uni-frankfurt.de)

As of: Oct 2025



Master Biochemistry

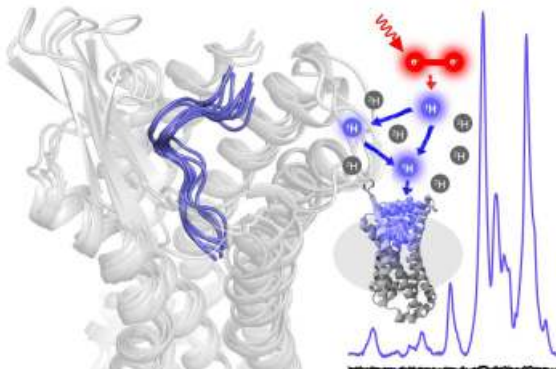


PASSIONATE LIFE SCIENCE GRADUATES WANTED!

Are you currently completing a bachelor's degree in biochemistry or a related science and looking for an exciting master's programme with good prospects? Are you ready to immerse yourself in the fascinating world of molecules, cells, and biochemical processes?

Unravel the secrets of life with our [Master Biochemistry!](#)

It is a 4-semester, research-based program in English, that covers a wide range of topics, including biochemistry, structural biology, neurobiology, virology, tumor biology, microbiology, and bioinformatics. The program introduces you to modern methods for analysing scientific questions and innovative approaches. You can also gain skills in project management and scientific presentations, providing a broad, interdisciplinary, high-level education.



Join a vibrant academic community where ground-breaking research is happening every day. The University Frankfurt is internationally renowned for its contributions to the field of biochemistry.

Our faculty members are experts in various areas and non-university institutions such as the Max-Planck-Institut for Biophysics, the Paul-Ehrlich-Institut (Federal Institute for Vaccines and Biomedical Drugs) and industry are involved in the education.

Small class sizes ensure intensive support from our dedicated teaching staff and create a personal atmosphere. Students enjoy close contact with professors and additional support from our active student council.

PURSUE YOUR GOALS WITH OUR FLEXIBLE STUDY PROGRAM

Our study programme allows you to set your own defined priorities, as flexibility is a key concept: You can tailor your studies to your personal interests and career aspirations by choosing the courses that really interest you from the modules offered.

Set your own priorities in the three core areas Cellular & Organismic Biochemistry, Molecular Biochemistry and Biochemical Methods.

The elective modules extend the choice from biochemistry to chemistry, biology, pharmacology, patent law, economic sciences etc or choose any module offered by Goethe-University.

Mobility windows during your studies furthermore enable you to integrate external research internships - even abroad.

Sem. Study section	
1 & 2	Study course overview: (3 CP) Welcome Event & Lecture Series
	Core Area: (min. 38 CP) <ul style="list-style-type: none">- Cellular & Organismic Biochemistry (2 out of 4 modules; 8-27 CP)- Molecular Biochemistry (2 out of 4 modules; 6-24 CP)- Biochemical Methods (2 out of 4 modules (1 practical); 6-24 CP)
	Elective Area: (max. 15 CP) <ul style="list-style-type: none">- choose from biochemistry to chemistry, biology, pharmacology- and even more freely: soft skills, economic sciences or anything offered by Goethe University (max. 10 CP)
3	Applied Research: <ul style="list-style-type: none">- Group Research Proposal (6 CP)- Developing a Research Project (8 CP)- Research Internships (2x30 working days; optional abroad; 2x10 CP)
4	Master thesis (6 months)

CAREER OPPORTUNITIES

The proximity to research and interdisciplinarity of the [Master Biochemistry](#) program as well as the teaching of broad methodological skills enable our graduates to act as a link between different disciplines. Accordingly, a broad spectrum of professional fields is open to them. These include academic or non-university research and teaching institutions, research, production, management or marketing in chemical, pharmaceutical or other branches of industry, as well as government investigation and supervisory authorities. Other opportunities include environmental protection, publishing, patents, self-employment or, as the course also teaches students how to work with computer-aided methods, in the IT sector.

More than 70 % of our graduates decide to do a doctorate after graduation, as there is a great demand for junior staff with doctorates in the field of research and development.

There is a high demand for our graduates both locally and nationwide, as the Frankfurt environment, one of the most important locations for the chemical and pharmaceutical industry nationally, provides a high degree of practical relevance. Accordingly, there are lively contacts between university lecturers and non-university research institutions and industry. The demand for biochemists will continue to increase in the coming years, as neighboring scientific and medical disciplines are

increasingly looking for specialists with a broad biochemical education. Contacts made with potential employers during the course of study, e.g. as part of research internships or at the Frankfurter Jobfair for natural scientists, can be useful for future employment.



ADMISSION REQUIREMENTS

Bachelor degree (university or university of applied Sciences) in Biochemistry or a related subject (e.g. Biophysics, Chemistry), Standard study period at least 6 semesters. OR

An **equivalent foreign degree** in the same or a related subject, Standard study period at least 6 semesters.

Proven knowledge in (1) biochemistry and (2) biophysical chemistry/ biophysics/physical chemistry. Minimum of 30 CP areas (1) and (2), with at least 10 CP for (A) and 5 CP for (B). Topics (A) Molecular Biology, Microbiology, Protein Structure and Function, Metabolism, Cell Biology, Cellular Biochemistry. Topics (B) thermodynamics, enzyme kinetics, electrochemistry, theoretical chemistry, spectroscopy.

An **experimental bachelor thesis** (min. 10 CP) must have been part of the Bachelor's degree. And at **least 200 hours of practical laboratory training/activities** must also be proven.

Proof of **English language skills** at level B2 (e.g. five years of English at a school) [German language not required]

At the time of application, the Bachelor's degree must not yet have been completed, but you must provide proof of 144 CP (80%).

For further details see: www.uni-frankfurt.de/76861882/

Application is via www.uni-assist.de

WE LOOK FORWARD TO YOUR APPLICATION

