

## Areas of expertise

**This is a broadly based biotechnology programme leading to a wealth of career opportunities.**

The core modules in biotechnology focus on key competencies from the fields of Bioprocess Engineering, Protein Purification, Applied Cell Biology, Analytics, Food Product Development as well as Bio-economy & Technology Assessment.

**The management modules impart leadership skills.**

All aspects of the essential skills required to become the manager of a biotechnological project or laboratory will be covered. These include knowledge of regulation and standardisation in life sciences (Quality Management), acquisition and planning (Statistics) as well as management of research and industrial projects (Leadership & Research Management).

## Contact

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### **Student Advisory Service**

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### **Academic Advisory Service**

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### **Term**

Registration: 1 to 31 May (winter semester)  
and 1 to 31 October (summer semester)  
Start of studies: 1 October and 15 March



Managing sustainable innovation

Biotechnology meets Management



Have you successfully completed your studies in biotechnology and do you aspire to a future in management?

Do you enjoy studying and working in an international environment?

Would you like to expand your knowledge and expertise in the field of biotechnology and develop your management skills at the same time?

Then you have come to the right place! The **master’s programme in Applied Biotechnology** enables you to combine in-depth methodological and technical knowledge in biotechnology with management expertise. Included in the programme are a range of courses in English which provide outstanding preparation for laboratory and project management roles in biotechnology companies, institutes and government bodies.

- We offer:
- Modern, fully equipped laboratories
  - Individual student supervision
  - A team of dedicated professors and technicians engaged in research and teaching

Curriculum



The master’s programme in Applied Biotechnology is broadly based in terms of specialist subject matter and consequently opens up career opportunities in diverse areas of biotechnology. The course comprises 90 cp (ECTS, European Credit Transfer System) and is usually completed in 3 semesters.

3	Master Thesis (30 cp)						
2 or 1	Statistics (5 cp)	Leadership & Research Management (5 cp)	Bioprocess Engineering (5 cp)	Analytics (5 cp)	Bioeconomy & Technology Assessment (5 cp)	Applied Cell Biology (5 cp)	SS
2 or 1	Quality Management (5 cp)	Food Product Development (5 cp)	Protein Purification (5 cp)	Electives (15 cp)			WS

Admissions

Entry requirements for admission to the master’s programme are as follows:

- A university degree or equivalent qualification with a final grade average of 2.3 or better in a relevant subject area consisting of at least six academic semesters at a German or foreign university or institute of higher education. These include in particular: biotechnology, bioanalytics, medical technology, food technology, bioprocess engineering, molecular biology.
- Evidence of sufficient proficiency in German (Goethe Institute certificate minimum level A2) and English (minimum level B2)
- Proof of outstanding motivation in the form of a covering letter of motivation

Master Thesis (30 cp)	
Management Modules (15 cp)	Electives (15 cp)
Biotechnological Core Modules (30 cp)	