

Degree Programme

3, 6, 9 or 12 credit points (CP) per module according to ECTS-System

1	Biology of Crop Plants 6 CP	Farm Animals Biology and Animal Husbandry 6 CP	Introduction in Economics and Law 6 CP	Basics of Chemistry 6 CP
2	Basics of Agronomy 6 CP	Agricultural Technique and Procedures of Animal Husbandry 6 CP	Introduction to Farm Management 6 CP	Meteorology, Hydrology and Soil Physics 6 CP
3	Soil Chemistry and Soil Biology 6 CP	Plant Nutrition and Fertilization 6 CP	Agricultural and Environmental Policy 6 CP	Compulsory Elective Module <sup>1)</sup> 6 CP
4	Soil Systematics/ Site Evaluation Field Course 6 CP	Grassland and Forage Production 6 CP	Basic Principles of Animal Nutrition, Animal Hygiene & Behav. Sciences 6 CP	Phytomedicine 6 CP
5	WEXA I <sup>2)</sup> 3 CP	WEXA II <sup>3)</sup> 9 CP	Animal Nutrition, Animal Health and Animal Welfare 6 CP	Compulsory Elective Module <sup>1)</sup> 6 CP
6	Bachelor Thesis Agricultural Sciences 12 CP	Compulsory Elective Module <sup>1)</sup> 6 CP	Compulsory Elective Module <sup>1)</sup> 6 CP	Compulsory Elective Module <sup>1)</sup> 6 CP

<sup>1)</sup> The scope of work for Compulsory Elective Modules must amount to at least 36 credits.  
<sup>2)</sup> WEXA I - Scientific English – Reading Different Types of Academic Texts, <sup>3)</sup> WEXA II - Experimental and Scientific Practices in Agricultural Sciences

University of Rostock

FACULTY OF AGRICULTURE,  
CIVIL AND ENVIRONMENTAL  
ENGINEERING

**Programme Coordinator**

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**Student Council**

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# Agricultural Sciences

(Bachelor of Science)



FACULTY OF AGRICULTURE,  
CIVIL AND ENVIRONMENTAL  
ENGINEERING

### Degree

Bachelor of Science (B.Sc.)

### Programme type

Basic study course with a first job qualifying degree  
Single compartment bachelor (not combinable)

### Standard duration of the programme

6 terms

### Start of the programme

Every winter term (1<sup>st</sup> October)

### Field of study

Agricultural Sciences

### Formal prerequisites

- University entrance qualification (e.g. Abitur certificate),
- Proof of German language proficiency (B2).

### Special notes

Before being admitted to the final examination, students must provide evidence of having completed an internship in agricultural production or in up- and downstream sectors, lasting at least twelve weeks. It is recommended that at least four weeks of this internship be completed before the start of the programme. An internship report must be submitted.

### Further qualification options at the University of Rostock

- Aquaculture (M.Sc.)
- Sustainable Agricultural Systems (M.Sc.)
- Environmental Engineering Sciences (M.Sc.)

### Registration for first-term students

at [www.uni-rostock.de](http://www.uni-rostock.de) from June 1<sup>st</sup> to September 30<sup>th</sup>

University of Rostock

### Object and aim of the study

The science-oriented Bachelor's degree programme in Agricultural Sciences provides knowledge on the sustainable production of healthy food, renewable resources, and energy. Graduates are qualified to address complex tasks related to the design, use, and development of rural areas. The foundation of this programme lies in learning scientific methods to analyse the functional processes of crops, livestock, and their ecosystems. These are complemented by economic and social science approaches. First-year students are expected to have a solid understanding of biology, chemistry, and mathematics, as well as a strong interest in the functional principles of nature.



### Career opportunities

Agricultural scientists work in a wide range of fields, including managerial or operational roles in the agricultural, environmental, or bioenergy sectors. Other opportunities include positions in seed breeding and production, agricultural trade, the downstream food industry, and the production, processing, and marketing of raw materials. Additionally, graduates of this programme may continue their scientific education by pursuing a specialized Master's degree.



### Programme overview

In the first semester, students are introduced to both natural sciences and socio-economic aspects. The second semester builds on this foundation with core knowledge in agricultural sciences. From the third to the sixth semester, students deepen their expertise in agricultural sciences. Beginning in the third semester, they can choose from a range of compulsory elective modules, allowing them to tailor their studies according to individual interests and career goals.

The programme also offers specialised preparation for our research-oriented Master's degree, with focus areas including animal husbandry, crop production, agroecology and agricultural economics. Research-focused learning is further enhanced by the compulsory module „Experimental and Scientific Practice in Agricultural Science“ in the fifth semester. In this module, students address current scientific questions and practical challenges in agriculture through collaborative work in small groups. In the sixth semester, students primarily focus on their Bachelor's thesis.



### The faculty

The Faculty of Agriculture, Civil and Environmental Engineering is known for its strong student-professor relationships. Every student is guaranteed a seat in lectures and seminars. The campus, located in the Südstadt district of Rostock, provides a supportive atmosphere that fosters collaboration and creativity. Additionally, the campus is conveniently situated near the library, student residences, and the university canteen (Mensa).

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