

Study program

cr - credits (ECTS-System)

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

<sup>1)</sup> The scope of work for compulsory elective modules have to take at least 18 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 AGRICULTURAL AND ENVIRONMENTAL SCIENCES

**Advisory Service**

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Agricultural Sciences  
(Bachelor of Science)



FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

**Degree**

Bachelor of Science (B.Sc.)

**Study type**

basic study course with a first job qualifying degree  
single compartment bachelor (not combinable)

**Standard period of study**

6 terms

**Start of study**

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

**Fields of study**

Agricultural and Environmental Sciences

**Formal prerequisites**

University entrance qualification (e.g. Abitur certificate)

**Special notes**

The course of study contains an internship of three months. The internship can be done before taking up study or during study in the semester break. When registering the Bachelor thesis the internship must have been settled already.

**Further option of qualification at the University of Rostock**

- Aquaculture (M.Sc.)
- Livestock Sciences (M.Sc.)
- Crop Production and Environment (M.Sc.)
- Environmental Engineering Sciences (M.Sc.)

**Registration for first term students**

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

**Object and aim of the study**

The science oriented bachelor study course Agricultural Sciences provides knowledge on sustainable production of healthy food, renewable sources and energies. Graduates are qualified to solve complex tasks regarding design, use and development of rural areas. Learning mainly **natural scientific working methods** to analyse functional mechanisms of crop and animal organisms as well as their ecosystems, provides the basis for this. The study is complemented by economic and social working methods. First-year students should have **good knowledge in biology, chemistry and mathematics** as well as interest in functional principles of nature.

**Fields of work**

**Fields of work for agricultural scientists** are e.g. managing or implementing positions in the agricultural, environmental or bioenergy sector, working in seed breeding and production, agricultural trading, the downstream food industry as well as production, processing and marketing of raw materials. In addition, graduates of this study course can continue their scientific education in a qualified master program.

**Structure of the study**

In the first term natural and socio, **scientific aspects are mediated and refreshed**. General basics in agricultural sciences follow in the second term. They are supplemented by specific agricultural education in the third to fifth semester. Beginning with the fifth semester students can choose from a variety of compulsory elective modules to specify individual priorities. The compulsory elective modules can be selected in such a way that the **career start after the Bachelor degree** is prepared optimally.

A special preparation for a research oriented Master study in the **three research fields of animal or crop as well as soil/water/site** takes place and the strengthening of **research-oriented learning** is achieved through the compulsory module „Experimental and scientific practice in agricultural science“ in the fifth semester. Current scientific questions and everyday problems in agricultural enterprises will be questioned and processed in working groups. In the sixth term the bachelor thesis is prepared.

**The faculty**

The Faculty of Agricultural and Environmental Sciences has an **excellent students-professors-relationship**. A seat is guaranteed in every lecture and seminar. The campus in the Südstadt provides a familiar atmosphere, which facilitate the study together and frees up a room for creativity. Another advantage is the proximity to the library, student residences and canteen.