

Study program

1	2	3	4
Linear and Mixed Models 6 cr	Compulsory Eligible Module ¹⁾	Compulsory Eligible Module ¹⁾	30 cr
Agricultural Policy 6 cr	Agricultural Markets, Taxes and Law 6 cr	Economics of Animal Husbandry 6 cr	
Animal Health and Animal Welfare 6 cr	Production and Utilization of Animal Products 6 cr	Livestock Husbandry and Health Management 6 cr	
Resources of Animal Nutrition 6 cr	Anatomical and Physiological Basis and Experimental Methods of Animal Nutrition 6 cr	Metabolism and Exercise Physiology and Nutrition Diseases and Diagnostics 6 cr	
Population Genetics, Molecular Animal Breeding and Reproductive Biotechnologies 6 cr	Performance Tests and Breeding Value Evaluations 6 cr	Breeding Programs and Reproduction Management 6 cr	
Master Thesis			

cr - credits (ECTS-System)

¹⁾ The scope of work for compulsory elective modules have to take at least 12 credits.

University of Rostock

FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

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Livestock Sciences
(Master of Science)

FACULTY OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Degree

Master of Science (M.Sc.)

Study type

Consecutive course of studies

Single compartment master (not combinable)

Standard period of study

4 terms

Start of study

Every winter term (1st October)

Fields of study

Agricultural- and Environmental Sciences

Formal prerequisites

First vocational qualifying university degree in Agricultural Sciences or in a comparable course of study; certificate knowledge of English (B2) and German (B2)

Further option of qualification at University of Rostock

- PhD Agricultural Sciences (Dr. agr.)



Object and purpose of the study

The research oriented study course Livestock Sciences has a duration of 2 years. The agricultural and scientific based study focuses on an animal-, resources-, environmental- and climate friendly production of animal food and raw materials.



Students acquire knowledges about the complex connections in animal production including interactions with environment and society.

The study course combines **deep knowledges** in Livestock Sciences with a series of **key competences**, allowing students to develop an individual profile for research and science as well as advisory work and company management in the areas of agriculture, environment, renewable raw materials and energy.

Graduates learn to develop science-based hypothesis, to justify questions and to check and implement approaches to solve problems within the triangle of conflicting priorities of animal production, ecology, consumer- and environmental care. The education is production-related as well as environmental orientated.

The acquired skills of the graduates are based on international scientific standards making it possible for them to act on national and international job markets. The achievement of this goal is ensured by a close interaction of university and non-university institutions.

Structure of the study

The master's degree course Livestock Sciences is a presence study course with compulsory and elective modules.

During the study course students acquire in-depth expert knowledge in the fields of

- Animal nutrition
- Livestock farming and production
- Animal husbandry and reproduction
- Animal production economics

Early introduction of students (1st term) in methods of scientific data analysis helps to get the ability for active scientific work throughout the whole study course and the preparation of the master thesis in the 4th term.

Choosing elective modules in the second and third term enables individual profile formation. The range of modules from renewable raw materials and energy as well as plant and animal production in tropical and sub-tropical areas and other agricultural modules opens future fields of activity in Germany and abroad.

Knowledge gained by the students in lectures will be improved during seminars, exercises and internships as well as individual projects. As vocational training and in addition to communicating practical knowledge, students are forced to undertake own research. In this way, the necessary knowledge of scientific methods and their application will be achieved.

