

Information Sheet for Incoming Students Agricultural Sciences

Address	Technical University of Munich TUM School of Life Sciences Weihenstephan Alte Akademie 8 85354 Freising-Weihenstephan Germany
Dean	Prof. Dr.-Ing. Thomas Becker
International Affairs Delegate	Prof. Dr. Dieter Langosch
Internet Address	https://www.wzw.tum.de
Contact	international@wzw.tum.de
Erasmus Code	D MUENCHEN02

TUM offers opportunities for international EXCHANGE STUDENTS (maximum of three semesters within the scope of an exchange program, like Erasmus+, TUMexchange or within a bilateral university agreement) as well as for international DEGREE STUDENTS (pursuing a BSc or MSc degree).

Contact for Exchange Students

Prof. Luisa Menapace, Ph.D.
luisa.menapace@tum.de



Dr. Sebastian Rahbauer
sebastian.rahbauer@tum.de

Astrid Hotz
astrid.hotz@tum.de



Academic Counseling

Susanne Papaja-Hülsbergen

Phone: +49 8161 71 3781
Email: susanne.papaja@wzw.tum.de

Academic Counseling (M.sc. Agricultural BioSciences)

Dr. Eva Bauer

Phone: +49 8161 71 4464
Email: e.bauer@tum.de

Our Study Courses in the Agricultural Sciences

Agricultural and Horticultural Sciences (B.Sc.)

The bachelor's program in Agricultural and Horticultural Sciences deals with processes of plant and animal production, and associated fundamentals relating to the natural sciences, economics, and ecology. These play a role in both agrarian and horticultural value-added chains. Of central importance here is the production of high quality food and feed products, ornamental plants, and biogenic raw materials. The purpose is to exploit the substance and energy that these products contain, in the context of a sustainable and multi-functional agricultural and horticultural sector. The preservation of natural resources is also an important factor in this context. The bachelor program offers students content that gives equal coverage to basic knowledge of the natural sciences, engineering, and economics, as well as of discipline-specific matters. In accordance with their individual interests, students can choose whether to specialize in agricultural sciences or in horticultural sciences. Depending on their choices, the discipline-specific modules incorporate content from

- soil science and site feasibility,
- causal relations in agricultural ecosystems as regards material and energy flows,
- methods of plant cultivation and precision agriculture,
- fundamentals of phytopathology and plant protection,
- modern methods of plant breeding and genetic engineering,
- fundamentals of systems engineering in arable farming, horticulture, livestock farming,
- principles of plant nutrition and agricultural chemistry,
- corporate leadership, production theory, accounting systems,
- as well as marketing and research.

Language of Instruction: German
Standard Duration of Studies: 6 semesters fulltime
Credits 180 ECTS

Agrosystem Sciences (M.Sc.)

The master's program Agrosystem Sciences deals with systems of agricultural production (e.g. plant and livestock production), their biological, technical, and economic drivers and their integration within agro-ecosystems. This research-oriented program prepares graduates to solve the challenges of the future, in particular, those in the areas of food production, renewable resources, the environment and climate. The master's program qualifies agricultural scientists who understand scientific, societal and global challenges on the path to sustainable agriculture.

Language of Instruction: German
Standard Duration of Studies: 4 semesters fulltime
Credits 120 ECTS

Agricultural Bio Sciences (M.Sc.)

The M.Sc. Agricultural Biosciences offers courses in biological disciplines relevant for crop and livestock production. It integrates molecular, biochemical, physiological, genetic and genomic knowledge and quantitative and computational approaches in a unique, interdisciplinary agricultural study program.

Upon graduating from the TUM study program in Agricultural Biosciences, you will be a professional in basic biological research and data science. You will be well versed in a comprehensive spectrum of methods that enables you to address and implement key innovations in agricultural biosciences and answer some of the most important questions of our time: How can we secure the world's food supply? How can we preserve natural resources and mitigate the effects of climate change?

Language of Instruction: English
Standard Duration of Studies: 4 semesters fulltime
Credits 120 ECTS