

GREENING THE ECONOMY

Humankind uses about 85 million barrels of oil every day – in transportation, all kinds of plastics, as part of a whole range of products from cars to mobile phones, in our clothes and shoes, even in cosmetics. All based on a resource that will run out. What's more, the world's population continues to grow and needs to be fed while, in contrast, land and resources continue to become more scarce. The future economy will be biobased: new products, materials, chemicals and even energy will be derived from renewable biological resources. To master this fundamental change in the way our economy functions, the world needs progressive thinkers and pioneers to develop and implement new scientific knowledge and technical skills.

The University of Hohenheim has developed the M.Sc. program "Bioeconomy" to educate the type of scientists needed to successfully make this transition. The M.Sc. is designed to provide graduates with an internationally competitive, state-of-the-art Master's qualification.



AT A GLANCE

DEGREE	Master of Science
LANGUAGE OF INSTRUCTION	English
CREDITS	120
STANDARD PERIOD OF STUDY	4 semesters
AVAILABLE PLACES	45
ADMISSION REQUIREMENTS	<ul style="list-style-type: none">• Bachelor's degree (180 credits) or equivalent• English language skills (e.g. TOEFL 90)• Final grade of Bachelor's degree• Subject-specific coursework• Professional training or subject-related work experience• Letter of motivation
SELECTION CRITERIA	
APPLICATION DEADLINE	June 15



CONTACT

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www.uni-hohenheim.de/bioecon



UNIVERSITY OF
HOHENHEIM

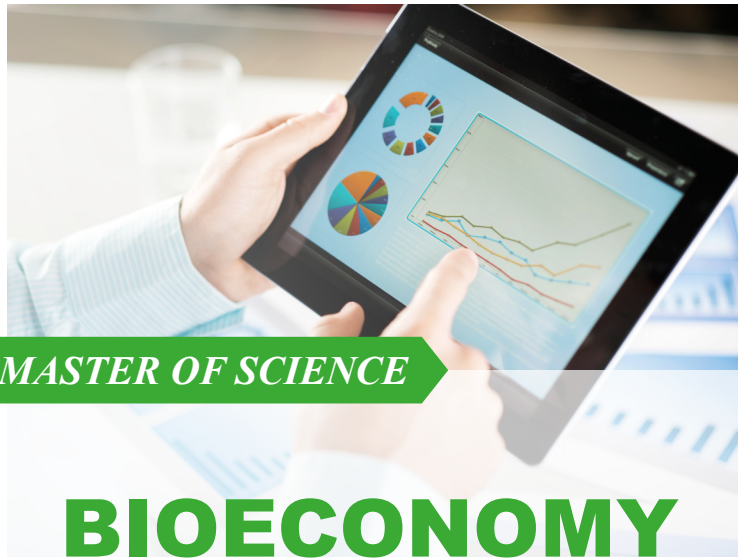


Change the system. Shape the future.

Bioeconomy

Master of Science

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MASTER OF SCIENCE

BIOECONOMY

PREPARE FOR A CHALLENGING FUTURE

As an interdisciplinary program jointly offered by Hohenheim's three faculties of Agricultural Sciences, Natural Sciences and Business, Economics and Social Sciences, this degree program enables students to conduct a systematic analysis of entire biobased value chains. Consequently, students acquire the skills and expertise necessary to deal with a range of issues in this complex field.

One of the strengths of this program is that graduates are able to understand the biobased value chains from each of the following perspectives:

- companies that focus on new biobased resources, processes and products
- established producers seeking to introduce renewable resources, biotechnological processes and their corresponding products onto the market
- stakeholders attempting to gauge the need and acceptance of such products and
- organizations that support the development of biobased value chains, e.g. through research and advisory services.

COURSE DESIGN

The two-year Master's program offers students the opportunity to gain fundamental knowledge of the concept of the bioeconomy. The first year begins with introductory modules. These are followed by compulsory modules covering a range of topics from the analysis of the properties of biobased resources to the economic analysis and optimisation of production and processing across the entire biobased value chain. In the second year, students have the opportunity to design their own curriculum by selecting elective modules. A research-intensive Master's thesis, written in the fourth semester, completes the program.

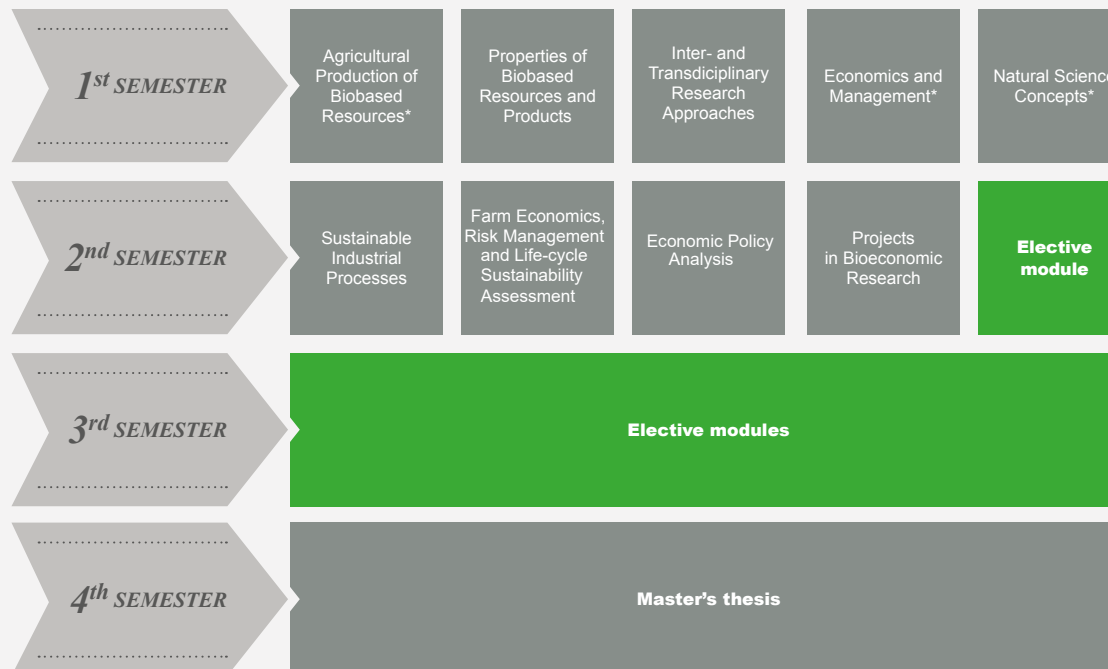
PERSPECTIVES

- Professional positions in production, marketing and research & development departments of companies making products based on biological resources and biotechnological processes (i.e. food industry, bioenergy sector and manufacture of further biobased consumables)
- Public sector research organisations
- Project management positions
- Start-ups
- Organisations supporting biobased value chains (including consulting companies and organisations)
- Ministries, agencies and international organisations supporting the bioeconomy (incl. international development organisations)

CareerCenter Hohenheim (CCH)

- supports students in finding employment after their study
- focusses attention on the world of work in the early stages of study via
 - internships
 - seminars on interdisciplinary key qualifications
 - further events with a vocational focus

An innovative curriculum



*These modules impart basic knowledge in the respective academic field. Depending on their individual academic background, students may replace ONE of these by an additional elective module.

- Compulsory modules
- Elective modules