

University of Hohenheim

## LEADING AGRICULTURAL UNIVERSITY IN GERMANY

The University of Hohenheim is one of Europe's leading universities in the field of agricultural sciences and natural resource management with a history of 200 years. Its Master's programs in agriculture are all accredited and internationally recognized. Hohenheim is a relatively small university with approximately 10.000 students.

The campus with its castle, park and botanical garden is one of the most beautiful campuses in Germany. All university facilities are within walking distance. There are additional leisure facilities, such as our own sports center and a large number of cultural events.

All students get assistance from the course coordinator throughout their studies, from the application process to the graduation ceremony. Part-time jobs are offered to students by many departments and research centers, allowing students to become involved in top research projects.



## AT A GLANCE

<b>Degree</b>	Master of Science (M. Sc.)
<b>Language</b>	English
<b>Credits</b>	120
<b>Duration</b>	4 semesters
<b>University places</b>	20
<b>Requirements</b>	<ul style="list-style-type: none"><li>• An above-average Bachelor's degree in Agricultural Sciences, Environmental Science, Ecology, Biology, Landscape Planning or a related program</li><li>• Basic understanding of ecology and good fundamental knowledge of statistics and computer applications</li><li>• Proof of English language skills</li></ul>
<b>Selection procedure</b>	<ul style="list-style-type: none"><li>• Grades and ranking in previous studies</li><li>• Letter of motivation</li><li>• Letter of recommendation from professors</li><li>• Stay abroad lasting 3 months or longer</li></ul>
<b>Application deadlines</b>	<b>Only possible for the winter semester!</b> German, EU citizens: 15 July Non-EU citizens: 15 March
<b>Application</b>	Online at <a href="http://www.uni-hohenheim.de/en/application">www.uni-hohenheim.de/en/application</a>

### Contact

**Ms. Katrin Winkler (LandEcol coordinator)**

Fruwirthstrasse 16 | 70599 Stuttgart | Germany

Tel. +49 (0)711 459-23305

E-Mail: [landecol@uni-hohenheim.de](mailto:landecol@uni-hohenheim.de)



[www.uni-hohenheim.de/landecol](http://www.uni-hohenheim.de/landecol)



UNIVERSITY OF  
HOHENHEIM



MANAGEMENT OF ECOLOGICAL DYNAMICS  
IN A CHANGING WORLD

## Landscape Ecology

Master of Science



Master of Science

# LANDSCAPE ECOLOGY

## Study Program

Climate, soils, human land use and other aspects of the environment vary in space and time. Landscape ecology studies how organisms respond to such environmental variation, how their interactions in variable environments determine community dynamics, and how these dynamics affect ecosystem processes. These fundamental topics of ecology and biodiversity research are also crucial for answering pressing questions posed by global environmental change:

- How can we conserve biodiversity under global change?
- How can we maintain ecosystem services important for society?
- How can natural resources be used sustainably in a changing environment?

Students receive in-depth training in ecological theory, concepts, and methods. Graduates have the knowledge and skills required to do fundamental research in ecology and biodiversity science, and to address novel challenges posed by global change in a scientifically sound and creative way.

The two-year M.Sc. program is comprised of four semesters during which students complete 13 thematic modules and a master thesis. Admission for the program is each winter semester, which begins in October. The language of instruction is English.

## Building Your Own Profile

The Master's program provides advanced training in landscape, community, evolutionary and plant ecology, as well as conservation biology. Top priority is given to project- and team-oriented work. In numerous field, lab and computer classes students learn about the interrelations between biodiversity, soils, climate, and land use. The program furthermore has a strong focus on quantitative ecology, notably on statistical ecology and the design of ecological experiments and studies. It also offers courses in ecological modelling and forecasting, geographical information systems (GIS), and remote sensing.

In addition to this core program, students can choose from a wide range of elective modules such as **animal and microbial ecology, population genetics, taxonomy, soil science, agricultural science, and global change issues.**

As part of the Master's program, students can also study for one semester at another university abroad. Master's thesis and study projects can be conducted in ongoing research projects in Germany, Europe and across the world.

## STRUCTURE AND COURSE SCHEDULE

1st semester (blocked)	2nd semester (blocked)	3rd semester (unblocked)	4th semester	120 ECTS
Landscape Ecology (7.5 credits)	Intensive Course Landscape Ecology (7.5 credits)	Elective module (6 credits)	Master Thesis (30 credits)	
Community and Evolutionary Ecology (7.5 credits)	Semi-elective module (7.5 credits)	Elective module (6 credits)		
Conservation Biology (7.5 credits)	Semi-elective module (7.5 credits)	Elective module (6 credits)		
Plant Ecology (7.5 credits)	Semi-elective module (7.5 credits)	Elective module (6 credits)		
		Elective module (6 credits)		

Compulsory module
  Semi-elective module
  Elective module

## Fees

Administrative fees are about 200 EUR per semester. Students from non-EU/EEA states have to pay tuition fees of 1.500 EUR per semester. Students from the EU and the European Economic Area (EEA) as well as exchange students are excluded from the tuition fees. Refugees are also not affected.

The cost of living for students in Hohenheim is estimated at a minimum of 950 EUR per month. For details see: [www.uni-hohenheim.de/en/application-internat-funding](http://www.uni-hohenheim.de/en/application-internat-funding).

## Career Opportunities

Graduates are qualified for jobs that require ecological understanding, quantitative skills, analytical problem solving, and the ability to work independently. Possible fields of work include:

- Research in ecology and biodiversity science
- Agencies and organizations dealing with nature conservation and environmental protection at a national and international level
- Companies and organizations working on sustainable resource use, geographical analysis and landscape planning
- Science communication and environmental education