



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Ecology, Master of Science

Julius-Maximilians-Universität Würzburg • Würzburg

Overview

Degree	Master of Science, Biosciences, Ecology
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are all in English. In addition to the regular programme, students are supposed to enrol in German language courses.
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	The winter semester begins mid-October. The summer semester begins mid-April.
Application deadline	For all applicants online application is possible May to 15 July for the following winter semester Nov to 15 January for the following summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	The multidisciplinary programme combines plant ecology, animal ecology, conservation biology and tropical biology. These topics include animal-plant interactions, plant ecophysiology, biodiversity research, climate-change ecology, and the evolutionary adaptations at the physiological and organismic level. Courses in socio-biology, neurogenetics and behaviour as well as ecological courses like forest ecology, chemical ecology, agroecology, soil ecology, remote sensing and ecological modelling can be chosen. Overall, the study programme reaches from molecular biology of single species to all disciplines of organismic biology. Further topics include constraints for plant growth and development (biogeography, biodiversity), the interactions of plants and animals with abiotic and biotic environmental factors (e.g. plant-insect and plant-fungus interactions) including the evolutionary adaptations at the physiological and organismic level, aspects of neurogenetics and behaviour as well as the interaction of individuals, social groups and large populations in complex and variable ecosystems. Using tropical biology with its specialities, unique and general principles in ecology are communicated. Both fundamentals and novel approaches based on molecular biology tools are discussed with respect to organismic biology. The two selected topics are composed of two theory modules as well as a practical course

unit each. Further research training is provided in a selected field of interest. The students are actively involved in ongoing research projects, and they learn to independently plan and perform both theoretical and experimental work as well as to summarise and discuss the results obtained in the thesis.

Course Details

Course organisation	<p>The study programme in Ecology deals with various aspects of plant and animal ecology including conservation and tropical biology. During the first year of the programme, the students enrol in two theoretical courses and one practical course in each of the two topics. In semesters three and four, further specialised research training is provided in a selected field of interest. The students are actively involved in ongoing research projects and learn to independently plan and perform both theoretical and experimental work. Moreover, students gain essential competencies to summarise and discuss the results of their work in a scientific context. All modules are accompanied by a graded examination, and the thesis has to be presented and defended in a final colloquium. The thesis (25 ECTS) is preceded by an ungraded preparatory practical course of 12 weeks (15 ECTS). Further modules (15 ECTS, ungraded) are selected within the sub-area of "Additional Qualifications" to cover special aspects of interest.</p> <p>Further modules (15 ECTS) are selected within the sub-area of "Additional Qualifications" to cover special aspects of interest. These modules have to be passed without grading.</p> <p>» PDF Download</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • Projects with partners in Germany and abroad • International guest lecturers • Opportunities for students to work abroad
Description of other international elements	Several research locations globally (Africa, Asia, Central America, Australia) with research co-operations and opportunities for excursions
Diverse intercultural background of students	30% international students
Integrated internships	Elective research project, involvement in research working groups within universities or companies in Germany or abroad
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	None
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Semester contribution	<p>There are generally no tuition fees at the University of Würzburg. However, you must pay the semester contribution each semester for enrolment or registration. The student contribution includes a semester ticket that allows you to use public transportation all throughout the beautiful city of Würzburg.</p> <p>Student contribution: approx. 162.90 EUR</p>
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Costs of living	<p>The cost of living in Würzburg is low compared to other German cities. Of course, this strongly depends on your individual lifestyle, but you should expect monthly costs of about 940 EUR.</p> <ul style="list-style-type: none"> • Food: 250 EUR • Rent: 350 EUR • Health insurance: 110 EUR • Other: 212 EUR • Broadcasting fees (AZDBS/GEZ): 18 EUR
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Funding opportunities within the university	No
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Requirements / Registration

Academic admission requirements	<p>Bachelor of Science in biology or equivalent study degree that fulfils the criteria of the "Fachkanon Biologie" / subject specific criteria, in particular:</p> <p>Bachelor of Science in Biology or similar programme</p> <p>Biosciences: 75 ECTS credit equivalents Chemistry (including biochemistry and physical chemistry): 15 ECTS Physics, mathematics, biostatistics: 15 ECTS</p> <p>OR</p> <p>Biosciences: 60 ECTS Chemistry (including biochemistry and physical chemistry): 20 ECTS Physics, mathematics, biostatistics: 12 ECTS</p> <p>OR</p> <p>Biosciences: 70 ECTS Chemistry (including biochemistry and physical chemistry): 10 ECTS Physics, mathematics, biostatistics: 12 ECTS</p> <p>Proof of experimental laboratory experience, preferably by an experimental thesis comprising a minimum of 10 ECTS</p> <p>Please submit either your final degree or your transcript of records to certify the minimum requirement of 150 ECTS. You have to submit your completed transcript of records no later than 15 September or 15 March, respectively.</p>
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Language requirements	<p>Language requirements in English</p> <p>The proof of skills in the English language should be at a level not lower than:</p> <ol style="list-style-type: none"> 1. Test of English as a Foreign Language (TOEFL) with at least 570 points (paper-based TOEFL), 240 points (computer-based TOEFL), or 90 points (Internet-based TOEFL) 2. International English Language Test System with a score of 6.5 or better 3. Cambridge Certificate in Advanced English (CAE) 4. Bachelor's degree from an English-taught course
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- any certificate issued by the Faculty of Biology's admission committee after approving of English skills based on the assessment of a Bachelor's thesis written in English, of a language course other than specified above, or an interview held in English

In addition, German language skills (e.g., B1 CEFR) are highly recommended and may be achieved during the first phase of the programme.

Application deadline

For all applicants online application is possible
May to 15 July for the following winter semester
Nov to 15 January for the following summer semester

Submit application to

<https://wuestudy.zv.uni-wuerzburg.de/qisserver/pages/cs/sys/portal/hisinoneStartPage.faces>

Services

Possibility of finding part-time employment

- Students from countries within the EU and the EEA** are on equal terms in the labour market and are allowed to work during their course of study.
- Students from other countries** are allowed to work 120 full days or 240 half days per year (which also includes voluntary internships). If you would like to work more, you will need permission from the employment agency ("Agentur für Arbeit") or the immigration office.
- Important:** Be sure your studies will not suffer if you have a side job!

Accommodation

The [Student Housing Service](#) ("Studentenwerk") is responsible for 10 dormitories in various locations in Würzburg.

Amenities:

- Single and double rooms or rooms in apartments in which two to four students share a kitchen and a bathroom.
- All rooms and apartments are furnished.
- Dishes, cooking items, bedding, and towels are not provided.
- You can find more information about the individual dormitories [here](#).

Length of stay:

- The rental contracts of the "Studentenwerk" are temporary contracts.
- The fixed-term rental contracts of the "Studentenwerk" can be terminated in writing with two months' notice for the following deadlines: 31 March or 30 September.

Application:

- Deadlines: 15 June for the winter semester and 15 January for the summer semester** (The student housing service must receive the security deposit of 300 EUR by this date.)
- You will receive further information about applying for housing in your letter of acceptance.

Career advisory service

Support regarding career development, including internships, occupational prospects, individual coaching by coordinator of Bio Careers

Support for international students and doctoral candidates

- Tutors
- Specialist counselling

Contact

Julius-Maximilians-Universität Würzburg

Fakultät für Biologie

Studiendekanat

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🌐 Course website: <https://www.biologie.uni-wuerzburg.de/masterbiosciences/msc-programmes/ecology/>

📘 <https://www.facebook.com/uniwue>

🐦 https://twitter.com/uni_wue

📷 <https://www.instagram.com/uniwuerzburg/>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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