Environmental Sciences
Master of Science (M.Sc.)
Environmental Sciences

Interdisciplinary and hands-on – Environmental Sciences is an interdisciplinary field covering the many interactions between natural and human systems on multiple scales, from molecules to landscapes. In addition to knowledge in the natural sciences, Master students in the Environmental Sciences program gain an indispensable and solid understanding of the Social Sciences (e.g. economics, politics, management). With a unique blend of theoretical courses and hands-on practical experiences, students develop abilities to analyze and solve complex environmental problems in an interdisciplinary context.

The Institute for Environmental Sciences offers an excellent program of study by combining expertise from Biology, Chemistry, Physics, Geoeconomics and the Social Sciences.
Who can apply?

We are looking for highly motivated students interested in working on environmentally relevant problems using an interdisciplinary approach.

Prerequisites
- A bachelor degree in Environmental Sciences (or equivalent program with a focus on natural sciences and applied mathematics) with a minimum final grade of “good” (e.g., 2.5 on a 6.0 scale or 3.0 on a 4.0 scale).
- English proficiency.

Application information
- The program starts in the Winter semester (October).
- General information about applying to the program can be found under: www.uni-landau.de/international-masters

Further questions? Please contact us!
Program Advisor
Prof. Dr. Ralf Schäfer
Institute for Environmental Sciences
Fortstraße 7
76829 Landau
Germany
MSc-UWS@uni-landau.de
Geoecology and the Social Sciences. Students develop abilities to analyze and solve practical experiences, and human systems on multiple scales, from molecules to landscapes. Environmental Sciences is an interdisciplinary field covering the many interactions between natural and environmental systems.

In addition to knowledge in the natural sciences, Master students build a solid understanding of the Social Sciences (e.g. economics, politics, and sociology) to be able to develop solutions to environmentally relevant problems using an interdisciplinary approach. A bachelor degree in Environmental Sciences (or equivalent program with a focus on natural sciences and applied mathematics) is required. For further questions, please contact the Institute for Environmental Sciences.

**Program structure**

All students take the six required modules (Compulsory part). Afterwards, students personalize the program by choosing two of the eight Specialty Areas and completing four modules in each, with an additional module of their choice. An external internship and the Master Thesis with colloquium round out the 4-semester program. The 6-week internship can be performed at an external university or governmental or industrial research institute in Germany or abroad.

**Specialty Areas**

- Environmental Analysis
- Applied Ecology
- Socioeconomics & Environmental Management
- Aquatic Systems
- Soil Systems
- Landscapes & Scales
- Modelling
- Chemicals in the Environment

<table>
<thead>
<tr>
<th>1st Semester (Winter semester)</th>
<th>2nd Semester (Summer semester)</th>
<th>3rd Semester (Winter semester)</th>
<th>4th Semester (Summer semester)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory part (6 modules, 36 ECTS)</td>
<td>Sustainability and Global Change (4 ECTS)</td>
<td>Master Thesis (30 ECTS)</td>
<td>Additional module (1 module, 6 ECTS)</td>
</tr>
<tr>
<td>Tools for Complex Data Analysis (6 ECTS)</td>
<td>Research and Training Internship (8 ECTS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fate and Transport of Pollutants (6 ECTS)</td>
<td>Elective part (9 modules, 54 ECTS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land Use and Ecosystems (6 ECTS)</td>
<td>Elective subject 1 (4 modules, 24 ECTS) of the Specialty Areas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Environmental Economics (6 ECTS)</td>
<td>Elective subject 2 (4 modules, 24 ECTS) of the Specialty Areas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Elective subject 1**

(4 modules, 24 ECTS) of the Specialty Areas

**Elective subject 2**

(4 modules, 24 ECTS) of the Specialty Areas

(master thesis = European Credit Transfer System; The Winter semester runs from mid October to mid February and the Summer semester from mid April to mid July.)

Potential employment areas:

- Industry and environmental consulting firms
- Government, public relations, environmental education
- Professional organizations and societies, foundations, NGOs
- Environmental protection and conservation, media and publishers
- Environmentally relevant careers in social sciences
- Environmental impact assessment
- Environmental education

Personal contact: students and teaching staff.
Employment outlook

Due to the interdisciplinary structure and individual choices of the Master of Environmental Sciences program, graduates have many employment opportunities in environmental research and management in Germany and beyond.

Potential employment areas

- Research institutes
- Industry and environmental consulting firms
- Planning and engineering companies
- Government, public relations, environmental education
- Professional organizations and societies, foundations, NGOs, political organizations
- Environmental protection and conservation, media and publishers

The degree also qualifies students for acceptance into doctoral programs.

Internationally networked

The Institute for Environmental Sciences is globally connected through international research projects and student exchange programs. The international nature of the Master of Environmental Sciences program is achieved through numerous international research and teaching staff, regular seminars from guest lecturers from abroad, and possible internships all over the world.
University of Koblenz-Landau

A university on the move – The University of Koblenz-Landau is the youngest university in the state of Rhineland-Palatinate. There are two campuses, one located in the city of Koblenz and one in Landau. The Landau campus is situated in a green belt within the city and is only a short walk to the city center and to the train station.

The limited enrollment and selective admission process guarantee personal contact with fellow students and intensive mentoring by the teaching staff.

Orientation at the start – Students can clarify all questions concerning their studies during an orientation session at the beginning of every semester and in personal exchange with the staff.

Landau - a city to enjoy

Nestled between the Rhine river plains and the Palatinate Forest, the small city of Landau, with its more than 7,500 students, offers a true university city atmosphere. In the heart of German wine country (the so-called German Tuscany because of its mild climate and many castles), wine festivals are in season throughout the year. The Palatinate Forest, the largest continuous block of forest in Central Europe, part of a trans-border biosphere reserve with France, provides excellent outdoor recreational possibilities like hiking, rock climbing, or mountain biking, and is a paradise for all nature lovers.

„Never heard of Landau in the Pfalz? No problem, that can quickly change: small and accessible city, weekly fresh food market, and an open university. Above all, the Master Programs in Environmental Sciences and Ecotoxicology offer small class-sizes and individual attention. “
Barbara Ganser (Student)
Why study in Landau?

1. **Degree program with a future** – Through climate change, altered land uses and an increasing human population, ecosystems are being continuously stressed. Environmental concerns and more stringent laws provide job opportunities for Environmental Scientists.

2. **Excellence in research and teaching** – Our lecturers are involved in international collaborative research projects and with governmental advisory groups. This means they are able to incorporate the very latest developments in their teaching.

3. **Practical experience** – The study program includes not only a series of practical laboratory and field courses, but also six weeks of internship in a company or research organization.

4. **Contact and interaction** – Students develop their individual strengths and interests through close contact between students and faculty.

5. **Moderate costs** – German universities are state-funded, therefore no tuition fees are charged. You only have to bear a semester fee of currently 105 EUR and your living expenses.

6. **Support for international students** – The International Welcome Center provides support for incoming students, and makes the transition to life in Germany as easy as possible.

7. **Financial support** – Stipends are available from independent organizations (https://www.daad.de/deutschland/stipendium/en/). Many are competitive, so early application is essential.

„The Environmental Sciences Program in Landau is varied. You are exposed to information from all the natural sciences that, for me personally, was fun and very interesting. This interdisciplinarity is a huge advantage for a scientific career. As a polar researcher, the training has helped me to quickly adapt to new environments and take on new challenges daily.“

Christian Wolf
(Graduate, doctoral student Alfred-Wegener-Institut)
The Environmental Sciences Program in Landau is varied. You are exposed to information from all the natural sciences that, for me personally, was fun and very interesting. This interdisciplinarity is a huge advantage for a scientific career. As a polar researcher, the training has helped me to quickly adapt to new environments and take on new challenges daily.

Christian Wolf (Graduate, doctoral student Alfred-Wegener-Institut)

“Never heard of Landau in the Pfalz? No problem, that can quickly change: small and accessible city, weekly fresh food market, and an open university. Above all, the Master Programs in Environmental Sciences and Ecotoxicology offer small class-sizes and individual attention.”

Barbara Ganser (Student)

Landau - a city to enjoy

Nestled between the Rhine river plains and the Palatinate Forest, the small city of Landau, with its more than 7,500 students, offers a true university city atmosphere. In the heart of German wine country (the so-called German Tuscany because of its mild climate and many castles), wine festivals are in season throughout the year. The Palatinate Forest, the largest continuous block of forest in Central Europe, part of a trans-border biosphere reserve with France, provides excellent outdoor recreational possibilities like hiking, rock climbing, or mountain biking, and is a paradise for all nature lovers.

Why study in Landau?

1. Degree program with a future – Through climate change, altered land uses and an increasing human population, ecosystems are being continuously stressed. Environmental concerns and more stringent laws provide job opportunities for Environmental Scientists.

2. Excellence in research and teaching – Our lecturers are involved in international collaborative research projects and with governmental advisory groups. This means they are able to incorporate the very latest developments in their teaching.

3. Practical experience – The study program includes not only a series of practical laboratory and field courses, but also six weeks of internship in a company or research organization.

4. Contact and interaction – Students develop their individual strengths and interests through close contact between students and faculty.

5. Moderate costs – German universities are state-funded, therefore no tuition fees are charged. You only have to bear a semester fee of currently 105 EUR and your living expenses.

6. Support for international students – The International Welcome Center provides support for incoming students, and makes the transition to life in Germany as easy as possible.

7. Financial support – Stipends are available from independent organizations (https://www.daad.de/deutschland/stipendium/en/). Many are competitive, so early application is essential.