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Master of Science in Environmental Sciences (MSc ES) • Trier University • Trier ........................................... 2
Master's degree

Master of Science in Environmental Sciences (MSc ES)
Trier University • Trier

Overview

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<th>Master of Science</th>
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<td>In cooperation with</td>
<td>Luxembourg Institute of Science and Technology (LIST), Luxembourg</td>
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<td>Teaching language</td>
<td>English</td>
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<td>Languages</td>
<td>English</td>
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<tr>
<td>Programme duration</td>
<td>4 semesters</td>
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<td>More information on beginning of studies</td>
<td><a href="http://www.calendar.uni-trier.de">www.calendar.uni-trier.de</a></td>
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<td>Application deadline</td>
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<td>Applicants with a BA or MA degree from a German university:</td>
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<td>15 September 2021 for the winter semester 2021/22</td>
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<tr>
<td>Tuition fees per semester in EUR</td>
<td>None</td>
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<tr>
<td>Combined Master’s degree / PhD programme</td>
<td>No</td>
</tr>
<tr>
<td>Joint degree / double degree programme</td>
<td>No</td>
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<tr>
<td>Description/content</td>
<td>The international and interdisciplinary Master’s programme in Environmental Sciences (ES) is</td>
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designed for graduates in environmental, life, and geosciences who intend to specialise in different fields of environmental assessment, monitoring, and management issues. Based on advanced methodological skills and systems analysis, the students will be trained for jobs in public authorities, private agencies, relevant sections in related industries, insurance companies, and others. In addition, the Master's degree entitles graduates to follow a scientific career in universities and research institutions.

The programme offers three alternative fields of specialisation:

- **Environmental Monitoring and Pollution Assessment (ES I):**

  Impacts of climate change and environmental pollution to environmental systems, chemical analysis of the environmental impact of toxic substances on biotic and abiotic environment, disturbance of ecological cycles, assessment of cause-and-effect chains

- **Environmental Remote Sensing and Modelling (ES II):**

  Use of remote sensing systems for assessing and monitoring the environment, focused on terrestrial ecosystems and the atmosphere/climate system; integration of process models and spatial data analysis (in numerical models and GIS)

- **Environmental Conservation and Restoration Management (ES III):**

  Management strategies for nature conservation and restoration as well as dumpsite reclamation and remediation

Main study subjects in this international Master's programme are:

Analytical and Ecological Chemistry, Biogeography, Computer Sciences, Environmental Meteorology / Climatology, Environmental Remote Sensing and Geoinformatics, Geobotany, Geology, Geostatistics, Hydrology, Mathematics, Soil Sciences, Sustainable Development

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**Course Details**

**Course organisation**

The Master's programme in Environmental Sciences (ES) is a full-time programme designed for two years (four semesters). Based on a common teaching scheme in the first semester, the programme offers three alternative fields of specialisation from the second semester onwards:

- Environmental Monitoring and Pollution Assessment (ES I)
- Environmental Remote Sensing and Modelling (ES II)
- Environmental Conservation and Restoration Management (ES III)

The study programme includes both compulsory and optional courses, so that the enrolled student can develop individual fields of competence and qualification. A variety of teaching methods, including lectures, seminars, laboratory work, field projects, and excursions are offered. The Master's programme is completed with a thesis, to be written in the selected field of specialisation. The Master's degree will be awarded based on the credit points acquired during the two-year-programme and the results of the Master's thesis. Successful alumni will be qualified to begin PhD programmes.

Compulsory (interdisciplinary) modules for the fields of specialisation (ES I, ES II, ES III) are:

**ES I (Focus on Environmental Monitoring and Pollution Assessment):** Environmental System Analysis, Multivariate Statistics, Environmental Chemistry, Aquatic Pollution Assessment, Environmental Analytical Chemistry, Regional Biomonitoring Project, Ecotoxic Effects of Environmental Pollutants, Interdisciplinary Research Project


**ES II (Focus on Environmental Meteorology):** Environmental System Analysis, Multivariate Statistics,

ES III (Focus on Environmental Conservation and Restoration Management): Environmental System Analysis; Multivariate Statistics; Polluted Site Remediation; Environmental Management and Resource Economics; Soil Use and Sustainable Management; Interdisciplinary Research Project; Nature Conservation, Restoration and Protection


Further optional (interdisciplinary) modules can be chosen according to the fields of specialisation (ES I, ES II, ES III), for example, Environmental Chemistry and Risk Assessment, Global Climate Change and Energy Resources, Soil Biology and Soil Functioning, Interdisciplinary Excursion and Field Project, Socio Hydrology, Paleoclimate and Paleoenvironment.

More information can be found at the following link: https://www.uni-trier.de/index.php?id=52430#c157715

**Types of assessment**
- Written examinations, oral presentations, term papers

**A Diploma supplement will be issued**
- Yes

**International elements**
- Study trips

**Integrated internships**
- Internships during the Master's programme are not planned.

**Course-specific, integrated German language courses**
- No

**Course-specific, integrated English language courses**
- No

**The course of study can be taken entirely online**
- No

**Digital learning and teaching modules**
- Video learning

**Description of e-learning elements**
- Details can be found on our website. Please follow this link: https://www.uni-trier.de/index.php?id=11839&L=2&type=0

**Participation in the e-learning course elements is compulsory**
- Yes

**Can ECTS points be acquired by taking the online programmes?**
- No
## Costs / Funding

<table>
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<tr>
<th><strong>Tuition fees per semester in EUR</strong></th>
<th>None</th>
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</thead>
<tbody>
<tr>
<td><strong>Semester contribution</strong></td>
<td>Trier University does not charge tuition fees. Students only have to pay a social fee (&quot;Semesterbeitrag&quot;) of approx. 285 EUR for the first semester and 275 EUR from the second semester onwards. This includes a semester ticket that covers public transport in Trier and the region of Trier. This fee acts as a contribution that benefits Trier Student Services (&quot;Studierendenwerk Trier&quot;) and the student union. It also enables students to buy meals at reduced prices at the university’s canteens.</td>
</tr>
<tr>
<td><strong>Costs of living</strong></td>
<td>Students should expect expenses of approx. 800 to 900 EUR per month. For instance, monthly housing costs are approx. 230 to 250 EUR (for a basic dorm room) and 350 to 500 EUR (for a single apartment). A meal in the student cafeteria costs approx. 3 to 4.50 EUR.</td>
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<tr>
<td><strong>Funding opportunities within the university</strong></td>
<td>Yes</td>
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<tr>
<td><strong>Description of the above-mentioned funding opportunities within the university</strong></td>
<td>Trier University offers some funding opportunities for international students in the final stage of their degree programmes (maximum duration: six months). However, there are no funding opportunities within the university for the whole course of study or the first three semesters of the programme.</td>
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</tbody>
</table>

## Requirements / Registration

| **Academic admission requirements** | • Degree (BSc or equivalent) in environmental sciences or similar  
• Personal statement / motivation letter  
• CV |
|-----------------------------------|--------------------------------------------------|
| **Language requirements**         | Applicants must prove their English language proficiency at a level C1, based on the Common European Framework of Reference for Languages, via one of the following tests. The test must have been taken within the last three years:  
• TOEFL (Code 9208): at least 215 points (computer based) or 550 points (paper based) or 80 points (Internet based)  
• Cambridge English: Advanced (CAE) / C1 Advanced  
• IELTS (at least 6.0 points)  
• UNIcert III |
| Equivalent to one of the tests is proof of: | • Native speaker  
• Two years of full-time study in an English-taught programme in an English-speaking country (undertaken within the past two years)  
• At least five school years of English in secondary education and at least five points in English at the "Abitur" level (only Germany and Luxembourg) |
| **Application deadline**           | Non-EU citizens: |
- 31 May 2021 for the winter semester 2021/22

EU citizens:
- 15 July 2021 for the winter semester 2021/22

Applicants with a BA or MA degree from a German university:
- 15 September 2021 for the winter semester 2021/22

Submit application to
Please apply directly via Trier University’s Online Application Portal (PORTA): [www.bewerbung.uni-trier.de](http://www.bewerbung.uni-trier.de)

## Services

### Possibility of finding part-time employment

Students from the European Union, Iceland, Liechtenstein, Norway and Switzerland enjoy unrestricted access to the German labour market. International students from other countries are allowed to work 120 full days or 240 half days per year.

The Career Service of Trier University and the "Agentur für Arbeit" provide an online database for student jobs. Jobs offers can also be found on the website of the "Bundesagentur für Arbeit": [https://jobboerse.arbeitsagentur.de](http://https://jobboerse.arbeitsagentur.de).

Additionally, some temporary student jobs can be found on the university’s pinboards. However, many job offers will require at least some knowledge of German.

### Accommodation

Accommodation is available in student halls of residence through the Student Services Office (Studierendenwerk Trier: [http://www.studiwerk.de](http://www.studiwerk.de)) or on the private market (e.g., [http://www.hunderttausend.de](http://www.hunderttausend.de)). Monthly housing costs are approx. 230 to 250 EUR (for a basic dorm room with a shared bathroom) and 350 to 500 EUR (for a single apartment on the private market).

### Career advisory service

Trier University provides career services in cooperation with the German Federal Employment Agency (Bundesagentur für Arbeit: [http://www.career-service.uni-trier.de](http://www.career-service.uni-trier.de)). Located on campus, the career service called "Jobpassage" is designed to support students and graduates in all career-related matters such as internships, full- and part-time jobs, and future career opportunities.

Additionally, Trier University’s International Office offers a programme specifically targeted at international students: [www.career-international.de](http://www.career-international.de)

### Specific specialist or non-specialist support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Accompanying programme
- Specialist counselling
- Cultural and linguistic preparation
- Visa matters

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Trier University
Trier University was founded in 1473, and it reopened in 1970 as a modern campus university. Built on a high plateau overlooking the Moselle River and surrounded by luscious green nature, it is said to be one of Germany’s most beautiful campuses. Faculty and departmental buildings are connected by bridges and grouped around the forum and the central library. Trier University has a strong focus on the humanities, social sciences, and economics, but it is also steadily strengthening its environmental science programmes. There are six faculties that together cover more than 30 subject areas. Many research projects are interdisciplinary in nature and embedded in global networks. With its roughly 1,200 employees and 12,500 students (including more than 11% international students), Trier University embraces contrast: young yet true to tradition, internationally oriented yet regionally rooted, and at the geographic edge of Germany but in the heart of Europe.

http://www.uni-trier.de

University location

Trier is situated in the western part of the federal state of Rhineland-Palatinate in the Moselle Valley. The city is proud of its rich history, which is reflected in its museums and its many historical sites. Thanks to its landmarks, the Porta Nigra, the Trier Cathedral, and other significant architectural monuments, Germany’s oldest city has been declared a UNESCO World Cultural Heritage Site. Today’s cityscape is a fusion of history and modern lifestyle, not least characterised by a vibrant student life. With bars, cafés, and a colourful range of cultural offerings and festivals, Trier is a tourist attraction with international appeal and a beautiful place for the city’s 110,000 residents to live.

The economy of the city is characterised by a few major enterprises and many medium-sized businesses. Trier is in the heart of Europe, as evidenced by its proximity to Luxembourg, which is an important financial centre and the site of several EU institutions, as well as its proximity to France and Belgium. Nine twin towns and cities across Europe, Asia, and the USA attest to Trier’s international orientation. 

http://www.trier.de.
Contact

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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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