



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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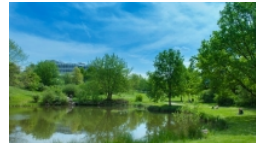
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# Master's degree



## Master of Science in Environmental Sciences (MSc ES) (and DigES)

Trier University • Trier



## Overview

Degree	Master of Science
In cooperation with	<p>Luxembourg Institute of Science and Technology (LIST), Luxembourg; <a href="https://www.list.lu/">https://www.list.lu/</a></p> <p>Nong Lam University, Ho Chi Minh City (HCMC), Vietnam – Faculty of Environment and Natural Resources; <a href="https://en.hcmuaf.edu.vn">https://en.hcmuaf.edu.vn</a></p>
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	English
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Mode of study	Hybrid
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	<p><b>We highly recommend the start of the programme in the winter semester</b> Although a start in the summer semester is possible, the programme is optimised for a start in the winter semester.</p> <p>Admission is generally valid for two subsequent semesters. <b>Applicants from countries requiring a visa for entering Germany should consider applying until 15 January for beginning their studies in the winter semester of the same year</b>, giving them more time to complete the visa process and to prepare their stay.</p>
Application deadline	<p>Non-EU citizens:</p> <ul style="list-style-type: none"><li>15 January 2024 for the summer semester 2024 (admission also valid for the winter semester 2024/25)</li><li>31 May 2024 for the winter semester 2024/25 (admission also valid for the summer semester 2025)</li></ul> <p>EU citizens:</p>

- 15 January 2024 for the summer semester 2024 (admission also valid for the winter semester 2024/25)
- 15 July 2024 for the winter semester 2024/25 (admission also valid for the summer semester 2025)

Applicants with a BA or MA degree from a German university:

- 15 March 2024 for the summer semester 2024 (admission also valid for the winter semester 2024/25)
- 15 September 2024 for the winter semester 2024/25 (admission also valid for the summer semester 2025)

**Recommended start of the programme: winter semester**

**Tuition fees per semester in EUR**      None

**Combined Master's degree / PhD programme**      No

**Joint degree / double degree programme**      No

#### **Description/content**

The international and interdisciplinary Master's programme in Environmental Sciences (ES) is 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, of which some modules are also made available as a digital teaching offer. These modules are marked with an asterisk (\*) in the respective semester course schedules.

- 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

#### **! NEW ! DigES:**

A selection of modular courses from the analogue Master's programme MSc Environmental Sciences is offered in digital teaching/learning formats.

This digital offer is aimed at international students who are not able to study physically at the Trier location. The digital module offer is described in the module handbook of the analogue MSc ES and

marked accordingly. The experimental and method-centred modular teaching components in these modules (laboratory, field placements, excursions, etc.) can only be carried out online to a limited extent. These usually require physical participation at the University of Trier.

## 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.

The compulsory modules for the fields of specialisation (ES I, ES II, ES III) are described in the module handbook. The study plans provide an overview of the semester-specific assignment of the individual modules (digitally provided modules are marked with: \*). More information can be found at the following link: <https://www.uni-trier.de/index.php?id=52430#c157715>

#### NEW:

**Special Information - DigES:** Special digital offer for selected modules from the three focal points (ES I, ES II, ES III) as an online format in addition to the classroom format.

**Comment - DigES:** The online offers within the modules mainly concern the lectures. Practical parts such as laboratory work, field work and excursions require on-site participation for a minimum duration during the practical phase, or could be carried out at the home university in consultation with the home university. Appropriate blended learning tools must be discussed and agreed with the respective home universities.

**Special offer during the first semester – starter programme:** The module "Basics in Meteorology and Climate" is offered during the first winter semester by the Department of Environmental Meteorology as part of a so-called pre-study offer.

The corresponding modules are marked with an asterisk (\*) in the respective module sheet as well as on the graphically implemented study plans (please find more information here: <https://bit.ly/3LBcsRA>).

» PDF Download

### 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

## Online learning

Pace of course

Instructor-led (Specific due dates for lectures/assignments/exams)

Phase(s) of attendance in Germany (applies to the entire programme)

Yes, compulsory

Types of online learning elements

- Online sessions

## Costs / Funding

Tuition fees per semester in EUR

None

Semester contribution

Trier University does not charge tuition fees. Students only have to pay a semester contribution of approx. 300 EUR for the first semester and 285 EUR from the second semester onwards. This includes a semester ticket covering public transport in Trier and the Trier region. The fee acts as a contribution that benefits Trier Student Services ("Studierendenwerk Trier") and the student union. It also enables students to buy meals at reduced prices at the university's canteens.

Costs of living

Students should expect expenses of approx. 900–1,000 EUR per month. For instance, monthly housing costs are approx. 290 to 400 EUR (in a students' dormitory or a room in a shared flat) and 450 to 650 EUR (for a single apartment on the private market). A meal in the student cafeteria costs approx. 3 to 5 EUR.

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

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.

## Requirements / Registration

Academic admission requirements

- Degree (BSc or equivalent) in environmental sciences or similar
- Personal statement / motivation letter
- CV

**Eligibility – DigES:** As part of the application process, students must indicate whether they are applying only for the optional module allocation in online format. For the enrolment, please note the instructions for the application for the Master's programme ES on the page of the Admission Office for International Applicants and International Students of the University of Trier. Admission is

based on the examination of all documents with regard to specified admission criteria. Proof of enrolment at a home university must also be submitted. For the specific online courses of the MSc ES, a minimum number of at least 10 international students is required.

#### Language requirements

Applicants must prove their English language proficiency is at 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 6.5 points)
- UNlcert III

Alternatively, applicants can provide proof of:

- Being a 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:

- 15 January 2024 for the summer semester 2024 (admission also valid for the winter semester 2024/25)
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EU citizens:

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**Recommended start of the programme: winter semester**

#### 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>.

Additionally, some temporary student jobs can be found on the university's bulletin boards. 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>) or on the private market (e.g. <http://www.hunderttausend.de>). Monthly housing costs are approx. 280 to 400 EUR (for a basic dorm room with a shared bathroom) and 450 to 650 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>). 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)

#### Support for international students and doctoral candidates

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



## Welcome to Trier University

Get an impression of Trier University and the vibrant student life in the beautiful city of Trier!

» more:

<https://www.youtube.com/watch?v=WKNKaPAegBw>

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# Trier University

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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 11,000 students (including about 12% 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 was 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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🌐 Course website: <https://www.uni-trier.de/universitaet/fachbereiche-faecher/fachbereich-vi/studium-lehre/msc-environmental-sciences>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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DAAD - Deutscher Akademischer Austauschdienst e.V.  
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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

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Federal Ministry  
of Education  
and Research