



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Applied Statistics

Trier University • Trier



Overview

Degree	Master of Science in Applied Statistics
Teaching language	<ul style="list-style-type: none">English
Languages	Students can study the entire Master's programme in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	<p>We highly recommend starting the programme in the winter semester. 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. Applicants from countries requiring a visa for entering Germany should consider applying until 15 January for beginning their studies in winter semester of the same year, 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">15 January 2024 for the summer semester 2024 (admission also valid for the winter semester 2024/25)31 May 2024 for the winter semester 2024/25 (admission also valid for the summer semester 2025) <p>EU citizens:</p> <ul style="list-style-type: none">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) <p>Applicants with a BA or MA degree from a German university:</p> <ul style="list-style-type: none">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)

Tuition fees per semester in EUR None

Combined Master's degree / PhD programme No

Joint degree / double degree programme No

Description/content

The Master's programme in **Applied Statistics** at Trier University focuses on **modern applied methods of statistics** and trains students to become applied statisticians with a broad knowledge of the field and a specialisation in one of four topics. Due to the Economic and Social Statistics Department's main research priorities, a special emphasis is put on **computational (survey) statistics**. The four specialisations are as follows: **Survey Statistics**, **European Master in Official Statistics (EMOS)**, **Data Science**, and **Geostatistics**. In addition to profiting from the curriculum of the programme, students can get insights into actual statistical research through the **Research Institute for Official and Survey Statistics (RIFOSS)** located at Trier University.

As the need for evidence-based policies and thus for sound complex data analyses rises, the need for well-trained applied statisticians increases as well. Through its structure, the Master's programme ensures that students are not only trained in statistics but also get insights into subject matters like economics, social sciences, etc., creating a **multidisciplinary environment**. Graduates are thus able to fine-tune their profiles to prepare for their desired future lines of work (even within their chosen specialisation tracks). This ability is further enhanced by a collaboration with the University of Bamberg, using modern teleteaching facilities. This ensures a **broad spectrum of lectures** from which students may choose. An international **double Master's degree** with the University of Pisa as well as a study abroad programme using **ERASMUS** funding are possible. Double Master's degrees in combination with programmes such as Business Mathematics, Data Science, Economics, and Economic Sociology provide further possibilities for students to shape their individual study tracks.

Trier is located close to the Statistical Office of the European Union (Eurostat) and other European institutions in Luxembourg. It is not far from the German Federal Statistical Office (Destatis) in Wiesbaden and the German Central Bank (Deutsche Bundesbank) in Frankfurt am Main either. Accordingly, **high-profile internship opportunities** are nearby. Graduates will typically work in national statistical institutes (NSIs), central banks, or quantitatively-oriented research institutes, or they can pursue PhD studies (for especially excellent students potentially at the Economic and Social Statistics Department at Trier University) and an academic career. Other likely future employers include banks and investment fund corporations, consultancies, market research firms, international organisations, and governmental agencies.

Course Details

Course organisation

The Master's programme in Applied Statistics is a **two-year, full-time, on-site programme**. It offers the following different module types:

- Compulsory modules (i.e. Elements of Statistics and Econometrics, Monte Carlo Simulation Methods, and Statistical Programming with R)
- Elective core modules (depending on the chosen specialisation track)
- Elective modules in General Statistics (e.g. Statistical Modelling, Multivariate Statistics, etc.)
- Elective application modules (e.g. from Data Science, Economics, Sociology, etc.)
- Research project
- Master's thesis

These modules provide a broad knowledge of statistical methods. Further, methodological and thematic priorities may be chosen within the modules. For example, computer-intensive methods,

econometric methods, Monte Carlo techniques, and survey sampling methods are taught. The method-oriented lectures provide the basis for a thorough understanding of applications in statistics and other fields. Furthermore, they are the basis for the students' own first research activities within the research project. Some lectures are accompanied by tutorials (including programming exercises, e-learning elements, etc.). Students complete the programme with the Master's thesis.

A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • International comparisons and thematic reference to the international context • International guest lecturers
Description of other international elements	<ul style="list-style-type: none"> • Option to earn a double Master's degree from Trier University and the University of Pisa (Italy) • Option to study abroad using ERASMUS scholarships • International student body
Integrated internships	There are no integrated internships.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

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

Applicants to the MSc Applied Statistics programme must fulfil the following requirements:

Proof of a Bachelor's degree (acquisition of at least 180 ECTS from a domestic or foreign university) fulfilling one of the following criteria:

- a final grade of 2.0 or better (German grading system) in the field of mathematics (applied mathematics or business mathematics) or statistics;
- a final grade of 2.0 or better (German grading system) in the field of business administration, economics, or sociology and at least 24 ECTS in the subjects mathematics, statistics, or quantitative methods (out of which at least 5 ECTS have to be from mathematics and 10 ECTS from statistics);
- a final grade of 2.0 or better (German grading system) in a related field and at least 30 ECTS in the subjects mathematics, statistics, or quantitative methods.

The examination board makes case-by-case decisions on applications with a final grade between 2.1 and 2.5 (German grading system) and/or a Bachelor's degree in fields not explicitly mentioned above. All applicants must include a letter of motivation with regard to the study programme with their application. Furthermore, applicants have to prove their English proficiency (details below).

We recommend that applicants have a good command of the statistical programming language R.

Detailed information for potential applicants can be found on the programme website:

<https://www.uni-trier.de/universitaet/fachbereiche-faecher/fachbereich-iv/faecher/volkswirtschaftslehre/professuren/wirtschafts-und-sozialstatistik/studieren/applied-statistics-msc/application>. Please read the information document linked above (section "Information for Potential Applicants") thoroughly before sending e-mails to the contact person, as this will typically already answer most of your questions. Please refrain from sending e-mails regarding your eligibility for the programme to the contact person, as the decision is made by the examination board. However, the document linked above should give you a good idea of whether your profile fits the programme.

You can find the current examination regulations on the programme website. Since the examination regulation is a legal document, it is only available in German.

Language requirements

Applicants must prove their English language proficiency level C1, based on the Common European Framework, through 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 Certificate in Advanced English (CAE) / C1 Advanced
- IELTS (at least 6.5 points in the overall score)
- UNIcert III

Equivalent to one of the tests is proof of:

- Being a native speaker from Great Britain, Northern Ireland, Ireland, USA, Canada, Australia, New Zealand, or Malta
- Two years of full-time study in an English-taught programme in one of the above-mentioned English-speaking countries (undertaken within the past two years)
- At least five school years of English in secondary education and at least five points in English at "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)
- 31 May 2024 for the winter semester 2024/25 (admission also valid for the summer semester 2025)

EU citizens:

- 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)

Submit application to

Please apply directly via Trier University's online application portal (PORTA), see link below. We do not use uni-assist. Please keep in mind that you can only apply during the official application periods.

<https://porta-system.uni-trier.de/qisserver/pages/zul/applicant.faces?sessionlanguage=en>

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's career service is offering a broad range of advisory services, seminars and events to assist students with planning their careers:

www.career-service.uni-trier.de.

Additionally, Trier University's International Office offers a programme specifically targeted at international students:

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

**General services and support
for international students
and doctoral candidates**

German language courses at all levels A1 – C1 (free of charge)

“Quick Start” orientation seminar (free of charge):

- Support with all formalities at the start of your studies
- Information concerning work and residence permit in Germany, financing your studies/scholarships, health insurance and healthcare system in Germany
- Networking opportunities: overview of organisations and useful contacts for international students at Trier University, meeting with other students during social/cultural events
- Orientation on campus and in the city, guided tour on campus and in the city centre
- Workshops: Intercultural Living and Studying in Germany, Understanding Cultural Similarities and Differences, Academic Writing, Studying Successfully, Presenting Successfully, Digital Learning and Communication

Supervisor-student ratio

Very good (usually less than 20 students per supervisor/lecturer)



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](https://www.youtube.com/watch?v=WKNKaPAegBw)

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

Trier University

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🌐 Course website: <https://www.uni-trier.de/index.php?id=35894>

📘 <https://www.facebook.com/uni.trier>

🐦 <https://twitter.com/TrierUni>

📷 https://www.instagram.com/uni_trier/

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Disclaimer

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