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Master's degree



Cybersecurity (MSc)

Saarland University • Saarbrücken



Overview

Degree	Master of Science
In cooperation with	<ul style="list-style-type: none">• CISPA Helmholtz Center for Information Security• Max Planck Institute for Informatics• Max Planck Institute for Software Systems• German Research Center for Artificial Intelligence (DFKI)• Center for Bioinformatics
Teaching language	<ul style="list-style-type: none">• English
Languages	Courses are entirely taught in English.
Programme duration	4 semesters
Beginning	Winter and summer semester
Application deadline	International applications are very welcome. Application deadlines are: <ul style="list-style-type: none">• for any winter semester starting in October: 15 May• for any summer semester starting in April: 15 November
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The Master's programme in cybersecurity will prepare students for careers in both research and industry. Students can choose their specialisation from areas such as cryptography, privacy, software security, systems and networks, formal methods, or legal aspects of cybersecurity. These specialisations are directly influenced by state-of-the-art research at CISPA Helmholtz Center for Information Security. Students can continue to pursue related topics in Computer Science.</p> <p>This programme is equally suited for students who completed a Bachelor's degree in computer</p>

science, cybersecurity, or a similar area. A Bachelor's in cybersecurity is not mandatory. The programme is designed to have a duration of four semesters, and you can start your studies in any winter or summer semester.

Course Details

Course organisation Students are free to choose courses according to their preferences. They have to earn credit points from certain categories. There is no fixed timetable for courses, but you can have a look at our sample schedules and modules on our programme website:

<https://cysec.uni-saarland.de/master/cybersecurity/#example-schedules-2>

<https://cysec.uni-saarland.de/master/cybersecurity/#example-schedules-1>

A Diploma supplement will be issued Yes

International elements

- International guest lecturers
- Language training provided
- Projects with partners in Germany and abroad

Integrated internships Internships are possible, but they are not compulsory.

Special promotion / funding of the programme

- Other (e.g. state level)

Course-specific, integrated German language courses Yes

Course-specific, integrated English language courses No

Costs / Funding

Tuition fees per semester in EUR None

Semester contribution Saarland University's programmes are state-funded, so there are no tuition fees for Bachelor's and consecutive Master's degree courses. Students have to pay an administrative fee of 280 EUR per semester. This includes a pass for free public transportation throughout the state of Saarland, payment of premiums for insurance coverage, and access to university facilities. This entitles students to eat at the university canteens at reduced prices.

Costs of living There are no tuition fees, and the cost of living in this smaller city, with its vibrant cultural scene, is moderate. With an average amount of 900 EUR per month (housing and insurances included), you can easily get by.

Funding opportunities within the university Yes

Description of the above-mentioned funding opportunities within the university Local and national scholarship programmes are available. More information on how to finance your stay can be found here: <https://www.uni-saarland.de/en/global/welcome-center/preparing/financing.html>

Requirements / Registration

Academic admission requirements If you want to study cybersecurity, you do not necessarily need a Bachelor's degree in cybersecurity. The Master's programme is aimed at students with a Bachelor's degree in either cybersecurity or computer science. Have a look at our course description to check out our special track for students without prior experience in IT security. Students have to apply via the online application system at Saarland University.

- Bachelor's degree in cybersecurity, computer science, or a related subject
- Proficiency in English (level C1)
- Programming skills

Language requirements Proficiency in English (level C1) is required. Unless you are a native speaker of English, please provide the results of an English proficiency test (IELTS or TOEFL).

Application deadline International applications are very welcome. Application deadlines are:

- for any winter semester starting in October: 15 May
- for any summer semester starting in April: 15 November

Submit application to Upload your application via the application system of the university <https://apply.cs.uni-saarland.de> after reading the frequently asked questions (FAQ) and requirements at: <https://saarland-informatics-campus.de/en/studium-studies/master-english/faq-cyber-application/>

Services

Possibility of finding part-time employment Work as a student helper or tutor: CISPA as well as other institutions on campus offer part-time employment in research or part-time positions for teaching assistants. Check out the Welcome Center's guide with general information on working in Germany: <https://www.uni-saarland.de/en/global/welcome-center/living-working>

Accommodation The International Office provides support in finding accommodation. You can choose between student accommodation or private housing in the city centre, for example. For more information on accommodation in Saarbrücken, see: <https://www.uni-saarland.de/en/global/welcome-center/accommodation.html>.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Cultural and linguistic preparation

- Visa matters
- Tutors
- Pick-up service

General services and support for international students and doctoral candidates

Saarland University offers a special support and guidance service for our international students and visiting scholars. Aside from welcoming new foreign students to the university, we organise excursions and cultural events where students and scholars from abroad can meet German students and colleagues. We also provide support in dealing with official and administrative matters. To encourage interaction between German and international students, the international office also runs a successful peer mentoring programme called "you & me". <https://saarland-informatics-campus.de/en/studium-studies/further-services-and-support/>

Supervisor-student ratio 1:4



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Mario Fritz
Prof Dr

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Saarland University



University campus surrounded by forest

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Saarland University is home to several top research centres that have a direct influence on the departments of informatics, engineering, and life sciences. This gives this medium-sized university a strong and research-driven reputation.

Located in the south-west of Germany, very close to the French border, Saarland University is a campus university offering an extensive range of courses and international state-of-the-art research. International students receive excellent supervision and can enjoy a comprehensive range of sports, culture, and leisure activities while studying at the university, which is surrounded by forest.

The department of Computer Science is among the best computer science departments in Germany (CHE ranking). CISPA Helmholtz Center for Information Security is the world's highest ranking research institute for cybersecurity, which attests to its high scientific standards and the broad range of topics investigated in CISPA's cutting-edge research. This all feeds into the curriculum of the degree programmes in cybersecurity at Saarland University, ensuring that seminars and lectures will cover the very latest research topics.

Working and studying with an international focus and transcending boundaries is a hallmark of Saarland University – whether these are geographical borders, cultural boundaries, barriers between academic disciplines, or outdated divisions between academia, economic, and cultural life.



University location

As the state capital, Saarbrücken is the regional centre of the Saarland, and it is situated in the heart of Europe. The city has approximately 180,000 inhabitants and is strongly influenced by its proximity to France and the chequered history of a French-German border town. The university, trade fair, and conference city is set amidst vast woods. It enchants visitors with its French charm, which is reflected in the narrow alleys at the foot of the castle and in the pedestrian zone at the St. Johanner market square.

Saarbrücken has a lot to offer tourists and businesspeople alike: the French flair, the picturesque old part of the city, an extraordinary cultural life, a high quality of life, and a diversity of culture and nature – but above all, its warm and open people.

<https://www.saarbruecken.de/en>

<https://www.visitsaarland.co.uk/>

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🌐 Course website: <https://cysec.uni-saarland.de/master/cybersecurity/>

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🌐 <https://de.linkedin.com/company/cispa>

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Disclaimer

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