



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Master's degree



## Industrial Security and Safety

Technical University of Applied Sciences Augsburg • Augsburg

### Overview

Degree	Master of Science (MSc)
Teaching language	<ul style="list-style-type: none"><li>• German</li><li>• English</li></ul>
Languages	Bilingual programme: German 50%, English 50%
Programme duration	3 semesters
Beginning	Summer semester
Application deadline	15 December for the following summer semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The basics of industrial security from a technical, organisational, and legal point of view are covered in the first semester of this Master's programme. This allows students to understand important interdisciplinary aspects of security in Industry 4.0. In the second semester, students acquire a more in-depth knowledge and strengthen this knowledge by carrying out a large-scale interdisciplinary project. In the third semester, the students write the Master's thesis based on a topic from the field of security, often in close cooperation with a company. They also have the option to specialise even further by taking electives.</p> <p>The extraordinary thing about this degree programme is that students are given practical training in using a networked automated and control system in the "Industrial Security" lab. Security problems that may arise in companies, such as a large hacker attack on sensitive IT data, are simulated directly in this lab. The students also work in close cooperation with scientists from the HSA_innos research group for IT security and digital forensics as well as the HSA_ops optimisation and operations management research group. Scientists from the technology transfer centre in Nördlingen, who carry out research on various aspects of the production industry, also participate in this new degree programme.</p> <p>An <b>annual information event</b> about the Master's programme in Industrial Security and Safety takes place in November – details will be published on our website: <a href="https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Security-and-Safety-MSc.html">https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Security-and-Safety-MSc.html</a>.</p>

# Course Details

<b>Course organisation</b>	<p><b>Course duration:</b> three full-time semesters (one intake per year: summer semester / March) or five semesters part-time</p> <p><b>Total credits:</b> 90 ECTS credit points (CPs) chosen from a list of compulsory, crossover, and elective modules, including a Master's thesis and colloquium (15 + 5 CPs)</p> <p><b>Further information on modules and contents</b> Please refer to the study plan, syllabus, and examination regulations as well as the module handbook: <a href="https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Security-and-Safety-MSc.html">https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Security-and-Safety-MSc.html</a>.</p> <p><a href="#">» PDF Download</a></p>
<b>A Diploma supplement will be issued</b>	Yes
<b>International elements</b>	<ul style="list-style-type: none"><li>• International guest lecturers</li><li>• Specialist literature in other languages</li><li>• International comparisons and thematic reference to the international context</li></ul>
<b>Course-specific, integrated German language courses</b>	Yes
<b>Course-specific, integrated English language courses</b>	Yes

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	None
<b>Semester contribution</b>	Approx. 130 EUR per semester
<b>Costs of living</b>	<p>When planning your studies in Germany, you need to ensure that you have the necessary financial resources. According to statistics, students in Germany spend between <b>700 and 950 EUR</b> per month on living costs. Prices differ significantly between cities in Germany. That means this is just a guideline – you can also get along with less money or possibly have to spend more in larger cities.</p> <p>If you would like to see an overview of the estimated living costs of an international student at the Augsburg Technical University of Applied Sciences, click <a href="#">here</a>.</p>
<b>Funding opportunities within the university</b>	No

## Requirements / Registration

<b>Academic admission</b>	An above-average Bachelor's degree from a recognised university with at least 210 ECTS credit
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## requirements

points (CPs) in the fields of technology and computer science or a business-related degree programme with a focus on technology (An equivalent would be a degree with a full-time duration of at least seven semesters; it can be assumed that 30 CPs were earned per semester.)

Depending on the final grade (grade average), a successfully completed selection interview and/or additional qualifications for degrees of at least 180 CPs (or equivalent, i.e. university degrees comprising of six semesters) are required for admission. Please note that the duration of the programme may then comprise four semesters.

Master's applicants must provide evidence of a formal Master's access qualification according to the assessment proposal of the Central Office for Foreign Education. The complete transcripts and the degree certificate (and if the original documents are not available in German or English, in a sworn translation) must be available. Applicants who do not yet have a degree certificate must be able to prove through their current transcripts that they are in the last semester or shortly before graduation.

Proof of language skills in German and English, both spoken and written, at a minimum level of B2 (in accordance with the Common European Framework of Reference for Languages) is required. Please note that proof of language proficiency has to be submitted together with the official application.

Further information is available at the following links:

<https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Security-and-Safety-MSc.html>

<https://www.hs-augsburg.de/en/Application/Masters-Programs.html>

### Language requirements

The prerequisite is **B2-level German and English** language skills (according to the Common European Framework of Reference for Languages, CEFR). The Industrial Security and Safety degree course contains compulsory modules that are based on linguistically challenging specialist literature. In this programme, 50% of the modules are taught in English, and the other 50% of the modules are taught in German. The extensive and complex technical language and in-depth study of legal texts represent a considerable hurdle to completing your studies successfully, even for native speakers.

Recognised **German** language tests are:

- DSH: at least level 2
- TestDaF: at least level 4 in all exam parts

Further information can be found at the following link: <https://www.hs-augsburg.de/Binaries/Binary22746/Recognized-German-language-tests.pdf>

Accepted proof of **English** language proficiency:

- TOEFL (iBT) score: 80 – 94
- TOEIC score: listening 430 - 485, reading 400 - 450
- IELTS: at least 6.5 overall (with at least 5.5 in each band)
- TELC: B2
- PTE Academic score: 65 - 75
- Cambridge English Language Assessment: B2: First Certificate in English (FCE, at least Grade C), C1: Certificate in Advanced English (CAE)
- CET: College English Test (CET-6, min. 500)
- DAAD English language test: minimum 4
- Native speaker (evidenced by passport)
- "Abitur" (confirming level B2/C1)
- University entrance qualification completed in English (evidenced via transcript or confirmation letter from the respective institution)
- Successful completion of a university degree from a recognised university in English (language of instruction evidenced via diploma supplement, transcript, or confirmation letter from the respective institution)

**Please note:** Your test results must be less than two years old.

### Application deadline

15 December for the following summer semester

Submit application to

<https://hisinone.hs-augsburg.de/qisserver/pages/cs/sys/portal/hisinoneStartPage.faces?chco=y>

## Services

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### Accommodation

Augsburg Technical University of Applied Sciences does not have its own dormitory or halls of residence. However, organisations such as the Student Welfare and Housing Association ("[Studentenwerk](#)") provide the university with a certain number of rooms. The average rent is between 200 EUR and 350 EUR per month.

### Career advisory service

Augsburg University of Applied Sciences offers "Career Service International". For further information, please check the following website: <https://www.hs-augsburg.de/Career-Service/International.html>.

### Support for international students and doctoral candidates

- Welcome event
- Tutors
- Specialist counselling

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## Contact

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🌐 Course website: <https://www.hs-augsburg.de/en/Electrical-Engineering/Industrial-Safety-and-Security-MSc.html>

📘 <https://www.facebook.com/hochschule.augsburg/>

🐦 [https://twitter.com/hs\\_augsburg](https://twitter.com/hs_augsburg)

🌐 <https://de.linkedin.com/school/hochschule-augsburg/>

📷 <https://www.instagram.com/hochschuleaugsburg/>

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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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## GATE-Germany

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

## 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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