DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service

INTERNATIONAL PROGRAMMES

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Master's degree

Master of Science in Software Engineering

University of Augsburg • Augsburg

Overview

Degree	Master of Science in Software Engineering
In cooperation with	Technische Universität München and Ludwig-Maximilians-Universität München
Teaching language	• English
Languages	The courses are in English unless all students speak and understand German. Participants can choose to write the Master's thesis in either language.
Full-time / part-time	• full-time
Programme duration	4 semesters
Beginning	Winter semester
Application deadline	All applicants: 1 May for the following winter semester
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	Our programme offers basic and advanced lectures covering the broad range of Software Engineering disciplines: • Software Engineering: Software Development Processes, Requirements Engineering, Project Management, Testing, Model-Based Development, Embedded Systems • Formal Methods: Formal Specification and Verification Techniques, Programme Correctness • Databases: Relational and OO-Databases, Database Implementation, Web-Scale Databases, Data Engineering

- Distributed Systems: Software Engineering for Distributed Systems, Semantic Web, Service-Based Architectures
- Human-Computer Interaction: User Interface Design, Usability Engineering, Context-Aware Systems
- AI-Based Systems: Machine Learning, Data Science, Self-Organisation and Adaptivity

Course Details

Course organisation	The programme includes lectures, seminars, labs, and an internship in the industry in the first three semesters. The Master's thesis is written in the fourth semester. The degree is jointly awarded by Augsburg University, Technische Universität München and Ludwig-Maximilians-Universität München.
A Diploma supplement will be issued	Yes
International elements	- International guest lecturers - Training in intercultural skills
Description of other international elements	Internship or Master's thesis at research institutes or companies abroad
Integrated internships	An internship of two months is to be completed during the summer break between the second and the third semester. The internship is usually done at one of the programme's industry partners.
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	150.63 EUR per semester
Costs of living	800 EUR per month
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	• Bachelor's degree (or equivalent) in computer science or a closely related field • outstanding grades from previous courses and personal dedication which transcends the compulsory programme in a normal study course
Language requirements	Fluency in written and spoken English is expected at least at the level of IELTS band score 6.5. Applicants can submit TOEFL or IELTS scores or a letter from their university which confirms that the Bachelor was taught in English. The applicant should be able to converse in English for the personal interview.
Application deadline	All applicants: 1 May for the following winter semester
Submit application to	Application website

Services

Accommodation	Students can apply for a dorm room at the Studentenwerk Augsburg (https://studentenwerk-augsburg.de/accommodation/). Student workers will assist with the search for accommodation at the beginning of the semester. Generally speaking, flat hunting in Augsburg is a very competitive experience. The following website may be useful for your accommodation search: http://www.studenten-wg.de.
Supervisor-student ratio	1:3

Our Partners

Elite Network of Bavaria

University of Augsburg

University of Augsburg – Computer Science Institute

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The University of Augsburg, founded in 1970, is a new, modern, and still growing university in Bavaria. It is known as one of the nicest and most convenient places to study in Germany, as it remains a manageable size. Seven faculties, including humanities, natural sciences, economics, theology, and law offer approx. 80 different degree programmes. All of them are dedicated to providing the most up-to-date facilities and ideal conditions for students to complete degrees successfully within a reasonable time frame. Moreover, the university actively encourages interdisciplinary networking and exchange, giving students access to a broad intellectual and cultural environment.

Offering a wide choice of degree programmes in often unique and specialist subjects, the University of Augsburg attracts students from all over Germany and the world. Around 10% of the university's students come from abroad and receive a warm welcome in Augsburg. The university provides award-winning services to support international students and academics throughout their stay.

Situated near the historic city centre of Augsburg, the university features a beautiful and spacious modern campus. The appealing buildings blend into a big landscaped park with grassy areas, a lake, fountains, and several pieces of art. All faculties, the administration offices, the food hall, cafeterias, bars, and the libraries are conveniently located close together.

The University of Augsburg is a place where people study, teach, carry out research, and live. Here you can feel what "university" really means: a sense of community, cooperation, and solidarity between lecturers, researchers, and students who benefit from research through the teaching they receive.

📍 University location

Augsburg is situated in the Bavarian region of Swabia, around 60 kilometres from Munich. The third largest city in Bavaria, with a well-developed infrastructure, a long history, and proximity to the Bavarian mountains and lakes, Augsburg is a fantastic place to live and study. Nearly 10% of the total population of 280,000 inhabitants are students, and almost 20% have an international background.

Augsburg was founded by the Romans over 2,000 years ago. Today, the city's best-known sights include the Fuggerei (a unique community housing complex from the 1500s, donated to the city's inhabitants by the famous Fugger family), the Augsburg town hall with the Perlachturm, and the picturesque old town centre. Other important attractions are the Augsburg Puppet Theatre (Augsburger Puppenkiste) which has won international acclaim for its marionettes and performances, and the State Textiles Museum (tim), reflecting Augsburg's reputation as a weavers' city. The city has a long intellectual and artistic history, counting Leopold Mozart, Rudolf Diesel, Jakob Fugger and Bertolt Brecht among its most famous citizens.

Cultural attractions aside, Augsburg also really knows how to party! There are numerous restaurants, bars, and clubs, and many events and celebrations take place on the city's streets throughout the year. Several cinemas and a large theatre provide further entertainment. In addition, a number of parks, an Olympic white-water course and the "Siebentischwald" forest offer facilities for sports and recreational activities.

Contact

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Faculty of Applied Computer Science

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🌐 Course website: https://elite-se.informatik.uni-augsburg.de/

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International Programmes in Germany - Database

Federal Ministry of Education and Research