



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree

Hochschule
für Technik
Stuttgart

Software Technology

Hochschule für Technik Stuttgart - University of Applied Sciences •
Stuttgart

Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none">English
Languages	English only
Full-time / part-time	<ul style="list-style-type: none">full-timepart-time (study alongside work)
Programme duration	3 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	Beginning summer semester: mid-March Beginning winter semester: 1 October
Application deadline	2 May for the following winter semester 2 November for the following summer semester
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	International students are exempt from tuition fees if they have EU citizenship or permanent right of residence.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content

This three-semester, internationally-oriented course of study is designed to meet the demands of the industry for highly motivated, team-oriented software experts.

Students learn and apply state-of-the-art technology and standards in the fields of software development, information management, computer networks, and electronic commerce. The most recent theories, techniques, and standards in the fields of software development, data management, and computer networking are to be imparted to students in scientific terms. Students from the European Union may also study part-time. The part-time programme lasts five

semesters.

Career Prospects

The Master's programme in Software Technology prepares for leadership and development tasks. Upon successful completion, there is a variety of applications with very good career opportunities in IT and telecommunications companies, in research and development departments of industrial and commercial enterprises as well as in software houses and consultancies. The degree qualifies for a possible promotion.

Course Details

Course organisation	Lectures The first and second semesters covers advanced theories, methods and techniques in the field of software development, data management, project management and computer networking. Amongst others, these comprise the lectures in advanced topics in software engineering, databases, and software project management as well as lectures in system design and middleware technology. An elective module in each semester allows deeper knowledge of formal methods, e.g. "Cryptographic Algorithms", and in newest technological issues, e.g. "Business Intelligence". A large software-project – spanning the whole second semester – gives practical foundation to theories and methods for the Master's thesis in the third semester. The Master's thesis is usually done in industry and focuses on the application of scientific methods in a real-life environment. Master's Thesis The thesis is usually written in cooperation with local companies and comprises analysis, design, implementation, and testing of certain software components, related to the modules taught in the programme.
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• International guest lecturers• Training in intercultural skills
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	1,500 EUR
Additional information on tuition fees	International students are exempt from tuition fees if they have EU citizenship or permanent right of residence.

Semester contribution	Approx. 96 EUR per semester (subject to change)
Costs of living	<p>In general, students will need about 850 EUR per month to cover their living expenses:</p> <ul style="list-style-type: none"> • Rent for a single room in a dormitory within Stuttgart: approx. 300 EUR to 450 EUR per month (private rooms or individual flats in Stuttgart usually cost more) • Health insurance: approx. 110 EUR per month • Semester ticket for public transport: approx. 210 EUR per semester • Food: approx. 150 EUR per month • Miscellaneous costs: approx. 150 EUR per month
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<ul style="list-style-type: none"> • The university participates in the Deutschlandstipendien programme. Students or admitted applicants may apply for funding (maximum of two semesters with 300 EUR per month) each year in April. • The Study Foundation of the Stuttgart University of Applied Sciences supports students with scholarships depending on their individual situations.

Requirements / Registration

Academic admission requirements	<p>Applicants for the Master's degree programme must possess a university degree with grades significantly above average either in computer science requiring at least three years of university study or equivalent knowledge degree with knowledge in the following:</p> <ul style="list-style-type: none"> • Database systems • Data structures and algorithms • Object-oriented programming • Software engineering • Software project management • Distributed systems
Language requirements	<p>TOEFL score of 563 points (paper-based test), 223 points (computer-based test), 85 points (Internet-based test)</p> <p>IELTS test with a band score of 6.5 and higher</p>
Application deadline	<p>2 May for the following winter semester 2 November for the following summer semester</p>
Submit application to	<p>Hochschule für Technik Stuttgart Stuttgart University of Applied Sciences MSc Software Technology</p> <p>c/o Ilja Nuhu Schellingstr. 24 70174 Stuttgart Germany</p>

Services

Possibility of finding part-time employment	Surrounding companies usually offer student jobs for computer scientists. From time to time, a small number of jobs for students with specific backgrounds are offered by the university, including the possibility of participating in one of the research projects of the faculty.
Accommodation	<p>Student accommodation is offered by the administration of the 12 universities in Stuttgart. About 6,500 furnished rooms are available. The monthly rent depends on their level of furnishing. All rooms have high speed, low cost Internet access. Using public transport with an inexpensive student ticket, a student can reach the campus in a few minutes.</p> <p>As it is difficult to find private furnished apartments in Stuttgart, we advise you not to bring your family.</p>
Career advisory service	Advisory service for establishing a company (https://www.hft-stuttgart.de/studium/nach-dem-studium/gruendungsservice)
Support for international students and doctoral candidates	<ul style="list-style-type: none">• Welcome event• Buddy programme• Pick-up service• Help with finding accommodation
General services and support for international students and doctoral candidates	Support with self-organised events (excursions, parties, etc.), cultural excursions offered by the International Students' Office
Supervisor-student ratio	Approx. 1:6

Contact

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🌐 Course website: <https://www.hft-stuttgart.de/informatik/master-software-technology>

📘 <https://www.facebook.com/groups/163684438050/>

🐦 https://www.twitter.com/hft_presse

🌐 <https://www.linkedin.com/school/hochschule-f%C3%BCr-technik-stuttgart-%E2%80%93-university-of-applied-sciences/>

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

📺 https://www.youtube.com/channel/UCi0_JfF2qMZbOhOnNH5PyHA

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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Disclaimer

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