DAAD

Deutscher Akademischer Austauschdienst
German Academic Exchange Service

INTERNATIONAL PROGRAMMES
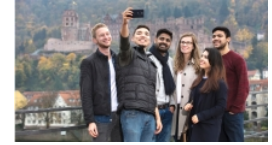
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Master's degree

Applied Computer Science (MSc)

SRH Universities • Heidelberg

Overview

Degree	Master of Science
Teaching language	• English
Languages	Courses are held in English.
Full-time / part-time	• full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	**Beginning:** 1 October and 1 April **Mode of study:** We believe that sustainable learning is only possible if there is enough space for experimentation, games and critical thinking. That is why we have completely restructured the classical course of studies. Read more about our CORE Principle.
Application deadline	There are **no application deadlines,** so you can **apply at any time** until all of the places in the programme have been taken.
Tuition fees per semester in EUR	6,450 EUR
Additional information on tuition fees	Applicants from EEA countries: 750 EUR per month + one-time registration fee of 750 EUR Applicants from non-EEA countries without a permanent residence permit: 6,450 EUR per semester + one-time registration fee of 1,000 EUR
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

Description/content	The curriculum includes a wide range of main modules, such as International Project Management, Software Architecture, IT Security, Advanced Database, Software Development Practice, and Advanced Computer Science. Students are guided into the standard areas of full stack development (front end, middleware, back end / databases and infrastructure) as well as in their individual specialisations (Business Computing, Mobile Computing and Usability Engineering and UX Design).
	Having a Master of Science degree in Applied Computer Science and a qualification on all layers of full-stack-development, including your individual profile, will give you best chances for an exciting and well-paid job in software and the IT industry. Graduates from previous years now work for large companies such as ABB, Airbus, Accenture, Audi, Bosch, BMW, BASF, Deutsche Boerse, DKFZ, Triumph, PWC, SAP, Verivox, etc. as well as for successful SMEs. Our programme will also qualify you for jobs in the public sector, for work in research and for doctoral studies.

Course Details

Course organisation	You will begin your studies with three mandatory courses. After this, you can select your specialisation:

- Business Computing
- Mobile Computing
- Usability Engineering and UX Design

Examples of optional courses include the following:

For Business Computing:

- In Memory Databases (SAP HANA)
- Business Information System Programming (SAP ABAP)

For Mobile Computing:

- Advanced Game Design
- Developing Mobile Applications

For Usability Engineering and UX Design:

- Usability Testing & Verification
- UX Design & Implementation

Teaching and learning at SRH Universities is inspired by our CORE principle, which stands for competence-oriented research and education, and this is defined by a student-centred approach to learning and teaching. Study programmes are organised in five-week blocks of applied study, during which you will get to focus intensively on real-world business or research challenges, while working in a small group.

Before the Master's thesis starts, you will have the option to select a mandatory internship of three months or a research project that will prepare you for the thesis.

International elements	
	- International guest lecturers
	- Projects with partners in Germany and abroad
	- Language training provided
	- Courses are led with foreign partners

Integrated internships	Students can complete a mandatory internship at a company or research institution. This can be continued with the Master's thesis.

Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	6,450 EUR
Additional information on tuition fees	Applicants from EEA countries: 750 EUR per month + one-time registration fee of 750 EUR Applicants from non-EEA countries without a permanent residence permit: 6,450 EUR per semester + one-time registration fee of 1,000 EUR
Semester contribution	None
Costs of living	Approx. 950–1,000 EUR per month for personal expenses
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	There is a special scholarship available. The "Deutschlandstipendium" is a special scholarship programme supported by the German government and private companies. You can find other scholarships that are relevant to your application here.

Requirements / Registration

Academic admission requirements	An internationally recognised Bachelor's degree (180 ECTS) in Computer Science or in Virtual Realities, Applied Computer Science, Information Management, IT, Software Development or a comparable degree A good knowledge of object-oriented programming languages (Java/C++/Python, etc.) and databases (MySQL, PostgreSQL, Oracle, etc.)
Language requirements	English language proficiency IELTS 6.5 / TOEFL 80 / Duolingo Certificate 120 / PTE Academics 58 or a comparable test We may also personally interview applicants in order to test their English skills. If applicants have studied completely in English in their previous studies, we may waive the required test.
Application deadline	There are **no application deadlines**, so you can **apply at any time** until all of the places in the programme have been taken.

Submit application to	Online application only

Services

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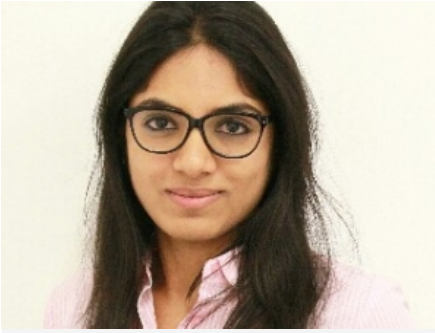|	
Possibility of finding part-time employment	Working as a non-EU citizen: In possession of a valid German residence permit for study purposes, you are allowed to work for up to 120 full days (full day = eight hours per day) or 240 half days (half day = four hours) during the calendar year. However, freelance work is not permitted. Internships that are mandatory for the successful completion of your studies at SRH do not count towards the above-named 120 full days. Employment that is considered "student part-time work" ("studentische Nebentätigkeit", e.g. employment as a student worker at a university or in a university-related organisation or "Werkstudent" activities at companies that are related to your studies) can be done without any time restrictions.
Accommodation	On-campus housing is available. Please contact SRH Campus Apartments for information.
Career advisory service	We offer individual career counselling services in our Career Development Centre. Here you will find courses on how to prepare for job applications and interviews, covering techniques such as body language and voice training, as well as continued education offerings such as our business skills certificate. In addition, you can access job listings on the university website.
Support for international students and doctoral candidates	- Welcome event - Accompanying programme - Tutors - Visa matters - Buddy programme - Specialist counselling
General services and support for international students and doctoral candidates	International Cultural Club, workshops, free language courses, social and networking events

©Bhavana Tiwari

Bhavana Tiwari
Master of Science

The decision to pursue higher studies in Germany required a great deal of research and analysis, but as I successfully complete my studies at SRH today, I am 100% sure that it was the right one.
The course primarily focuses on the applied knowledge of computer science, which means it prepares the students for the real time work environment in an IT-based company. I will always be grateful for my alma mater, which helped me land a fantastic job opportunity six months before graduation.

Applied Computer Science at SRH University Heidelberg

Professor Gerd Moeckel and Professor Ajinkya Prabhune explain why you should study in the Applied Computer Science Master's programme at SRH University Heidelberg.

» more: https://www.youtube.com/watch?v=cKOadYAZ1qA&t=2s

SRH Universities

The SRH Universities
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We are the SRH Universities, part of the non-profit SRH Holding based in Heidelberg.

We offer state-accredited Bachelor's, Master's, and MBA programmes in English and German. Our curricula are built around the CORE Principle, emphasising hands-on, project-based learning in five-week blocks. Our programmes focus on management and logistics,

engineering and architecture, computer and data science, hospitality and therapy, design and creative industries, and music and film.

With nine campuses across Germany, we host a diverse student body from over 100 countries, contributing to our vibrant international atmosphere.

Our approach includes practical work experiences and professional networking opportunities, preparing students for successful global careers.

![srh logo]

📍 University location

Berlin, Germany's capital, is a hub for politics, media, science, and education. It's the country's largest city and offers a vibrant cultural scene with rich nightlife and historical sites. Berlin's dynamic start-up scene is attractive to tech and creative industries. Despite rising costs, it remains affordable compared to other Western European capitals.

Cologne is known for its relaxed culture, famous cathedral, and rich Roman history. It offers a vibrant academic and cultural scene with excellent job opportunities in media and other industries. Cologne is well-connected, making it easy to explore nearby cities.

Dresden combines a vibrant cultural scene with affordable living costs. Known for historical sights like the Zwinger and Semperoper, it offers good job prospects in microelectronics and IT. Its scenic location and rich cultural events make it an attractive city for students and young professionals.

Hamburg, Germany's second-largest city, is a major trade and logistics hub in north-western Europe. With a high standard of living and moderate costs, it offers career opportunities in IT, media, logistics, and renewable energy sectors. Famous for its harbour and nightlife, Hamburg is a city rich in water-related and cultural activities.

Hamm combines historical charm with modern innovation. It offers low living costs and affordable housing suitable for students. Home to Germany's first Bachelor's degree programme in logistics at the SRH Hamm campus, the city provides a close-knit community feel and is growing in industries like energy and logistics.

Heidelberg is known for its romantic ambiance and vibrant cultural and academic atmosphere. The city offers a picturesque landscape ideal for outdoor activities, with strong sectors in biotechnology, pharmaceuticals, and academia.

Leipzig is an economic hub with a growing population, offering career opportunities in technology, digitalisation, and life sciences. It has a vibrant music and cultural scene and remains one of Germany's more affordable major cities.

Münster is a bike-friendly university town known for its museums, theatres, and lively student community. It offers reasonable living costs and robust job opportunities in education, healthcare, and administration.

Stuttgart is a centre for technology and innovation, home to companies like Mercedes Benz and Porsche. It offers excellent educational and career prospects in engineering and sustainable technologies, supported by a vibrant cultural scene.

Contact

SRH Universities
Admission Office

Study Advisor

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Course website: https://www.srh-hochschule-heidelberg.de/en/master/applied-computer-science/?utm_source=wkz-HD5012AA05

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