



SOFTWARE ENGINEERING

MASTER OF SCIENCE

STUDY PROGRAMME

Software is one of the drivers of digitalisation and change. It runs our everyday lives and businesses. Companies that know how to take advantage of new software applications are able to stay ahead of the competition and are in need of software experts.

Our Master's programme aims to educate this new generation of software engineers who know how to develop sophisticated software solutions and who are able to handle complex software systems.

Students expand their knowledge in sophisticated methods, paradigms and fields of software development, such as model-driven and test-driven development, multicore and multi-paradigm programming as well as distributed and embedded software engineering.

They learn about the ecosystem of software development projects and become proficient in programming guidelines and tools, relevant programming and markup languages and the main concepts, methods and techniques of software development

The project- and skill-based approach helps our students to plan and execute complex software development projects while training their analytical, communication, leadership and team-building skills.

Equipped with this profound technical knowledge and important soft skills, they benefit from outstanding career opportunities around the world.

UNIQUE FEATURES

- Choose electives to sharpen your professional profile:
Media Industry or Financial Industry
- Become a sought-after expert with a diverse skill set
- Project- and competence-based approach helps to impress employers

AT A GLANCE

DEGREE

Master of Science (M.Sc.)

CREDIT POINTS

120 ECTS

DURATION

4 semesters

START

October & April

STUDY CONCEPT

Full-time

LANGUAGE

English

TUITION FEES

EU/EEA Students € 800 / month

Non-EU/EEA Students € 6,450 / semester

CAMPUS

Hamburg

CUSTOMIZE YOUR STUDIES

We promote interdisciplinary thinking and studying through the extracurricular offers of our sister SRH universities in Berlin.

CURRICULUM

1. Semester	2. Semester	3. Semester	4. Semester
User-Centered Development	Model-Based Development	Test-Driven Development	Master's Thesis
Functional Programming	Multi-Paradigm Programming	Multicore Programming	
Software Engineering - Principles and Techniques	Software Engineering for Distributed Systems	Software Engineering for Embedded Systems	Colloquium and Thesis Reflection/Coaching
Electives <ul style="list-style-type: none"> • Media Production • Introduction to Banking Financial Industry - Regulations 	Electives <ul style="list-style-type: none"> • Image Processing and Computer Vision • IT Security 	Electives <ul style="list-style-type: none"> • Audio and Video Processing and Streaming Technologies • Reliable Enterprise Systems 	
Mathematics and Algorithms	Data Analytics, Data Bases & Management	Artificial Intelligence	Company/Research Project: Trends in Software Engineering
Leadership Skills	Research Skills	Consulting Skills	

M.Sc. | SOFTWARE ENGINEERING

SOFTWARE ENGINEERING & DEVELOPMENT

SKILLS & FURTHER KNOWLEDGE

THESIS & FINAL PROJECT

STUDY ADVISOR



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CUSTOMIZE
**YOUR
STUDIES**

ADMISSION & APPLICATION

The main admission requirements are:

- Bachelor's degree in software engineering/technology, (applied) computer science or business informatics from a university or technical college with a minimum of 180 ECTS
- Proof of sufficient English language skills
We accept TOEFL, IELTS, TOEIC, CAE, CPE or equivalent
- Letter of motivation

You can apply online at campus.srh-hochschule-berlin.de

We will then invite you to an interview.

STUDY FEES

The tuition fees are € 800 per month for EU/EEA students and € 6,450 per semester for Non-EU/EEA students.

There is a one-off enrolment fee of € 500 for EU/EEA students and of € 900 for Non-EU/EEA students.

ABOUT US

Our Campus is located in the centre of Hamburg - the second largest city in Germany. A dynamic metropolis by the water with high living standards and moderate living costs, the Hamburg is distinctly multicultural, with nearly all nationalities represented. At SRH Campus Hamburg we offer young talents the opportunity to study industry-oriented Master programmes. In addition to our central location, our students enjoy the opportunity to get in touch with industry partners and create a professional network through internships and company projects. We offer a wide range of services to support you in finding an internship and taking care of important tasks during your studies.