

COMPUTER SCIENCE

FOCUS ON CYBER SECURITY

MASTER OF SCIENCE

STUDY PROGRAMME

Industry 4.0, smart technologies and the huge range of online communication platforms are changing the way we live, work and communicate with each other. Always online, we rely on databases, automate production processes and cannot imagine a life without smart systems.

However, these new technologies and changes are also accompanied with huge risks. Networks, infrastructures, systems and data are under constant attack by hackers, cyber criminals, malware and viruses.

Thus information security specialists who know how to successfully defend network attacks, protect sensitive data and analyse and manage these risks are in high demand. Apart from IT expertise, they need to have an extended knowledge about business processes and infrastructures and need to be able to keep operations running, even under the steady threat of cyber attacks.

Our new Master of Science programme prepares students for these often difficult and unprecedented tasks by giving them a thorough education in Information Security and Computer Science. Modules in Information Security Management, Security Technologies and IT Operations Management (DevOps) foster the information security expertise of our Master students. In addition, they also learn about current topics such as Big Data Analytics, Blockchain and Cryptocurrencies.

In order to be prepared to work in different business environments, the Cyber Security students also have modules in Commercial Law and IT Service Management and know how to perform IT audits as well as penetration tests. Upon graduation, the Computer Science students have received a well-rounded information security education with plenty of hands-on experience in projects that will not only help them become the cyber security experts of tomorrow but also enables them to work in a range of companies, institutions and start-ups.

UNIQUE FEATURES

- Focus on modern methods of design, analysis and assessment of data and processes in the area of Information and Cyber Security
- Programme includes broad range of topics and approaches to the practice of IT Management and Information Security
- Students gain plenty of practical experience in various technology and company projects

AT A GLANCE

DEGREE

Master of Science (M.Sc.)

CREDIT POINTS

120 ECTS

DURATION

4 semesters

START

Winter semester & Sommer semester

STUDY CONCEPT

Full-time

LANGUAGE

English

TUITION FEES

EU/EEA Students € 780 / month*

Non EU/EEA Students € 850 / month*

+ enrolment fee + diversity fee + examination fee

*Valid for the October 2018 & March 2019 intake. Please check our Website for the fees for our September 2019 intake.

CAMPUS

Berlin

CUSTOMIZE YOUR STUDIES

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

CURRICULUM

MASTER OF SCIENCE
COMPUTER SCIENCE WITH FOCUS ON CYBER SECURITY

1. Semester	2. Semester	3. Semester	4. Semester
Programming	Security Technologies	Information Security Management System	Internship
Tools & Methods of Data Analysis	Penetration Testing	ITSM & DevOps	
Software Development Process	Blockchain and Cryptocurrencies	IT Revision & Audit	Master's Thesis
Business Game	Intl. Comm. Law	Scientific Work	
Technology Project I	Technology Project II	Technology Project III	
Company Project I	Company Project II	Company Project III	

COMPUTER SCIENCE KNOWLEDGE
 METHODS
 PROFILE & PRACTICE

STUDY ADVISOR



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ADMISSION & APPLICATION

The main admission requirements are:

- Bachelor's degree in Computer Science or Information Technology from a university or technical college with a minimum of 180 ECTS (or equivalent academic degree in the same area of studies)
- 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 € 780* per month for EU /EEA students and € 850* per month for Non EU/EEA students. There is an extra one-off fee of € 280 for our diversity training and a one-off € 250 enrolment fee. A fixed examination fee of € 2,400 is added to the tuition.

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ABOUT US

Our university is located in central Berlin at Ernst-Reuter-Platz and offers Bachelor, Master and MBA programmes in English and German. Approximately 1,000 students from 85 nations study at SRH Hochschule Berlin, the most international management university in the German capital. In addition to an international atmosphere, 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, organising a semester abroad and taking care of important tasks during your studies.