

# Hochschule für Technik Stuttgart

[www.hft-stuttgart.de/Software-Technology](http://www.hft-stuttgart.de/Software-Technology)

## MASTER SOFTWARE TECHNOLOGY

### PROGRAMME FOCUS



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. 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 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.

**MASTER  
SOFTWARE TECHNOLOGY**  
HFT STUTT GART

**APPLICATION**  
[www.hft-stuttgart.de](http://www.hft-stuttgart.de)

**ADDRESS**  
HFT Stuttgart  
Schellingstraße 24  
70174 Stuttgart  
Germany

**DEGREE**  
MASTER OF SCIENCE (M.Sc.)

**APPLICATION DEADLINES**  
May 2<sup>nd</sup> (winter term)  
November 2<sup>nd</sup> (summer term)

P +49 (0)711 8926 2526  
F +49 (0)711 8926 2553

**DURATION**  
3 or 5 Semesters (full-time or part-time)  
Medium of instruction: English

**PROGRAMME START**  
Yearly in March and October

[softecinfo@hft-stuttgart.de](mailto:softecinfo@hft-stuttgart.de)  
[www.hft-stuttgart.de](http://www.hft-stuttgart.de)

## PROFILE

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 of Software Engineering, Databases and Software Project Management, System Design, Middleware Technology. An elective module in each semester allows deeper knowledge in formal methods e.g. »Cryptographic Algorithms« and in newest technological issues e.g. (»Business Process Technology«). A large software-project – spanning the whole second semester – gives practical foundation to theories and methods for the Master thesis in the third semester. The Master thesis is usually done in industry and focuses on the application of scientific methods in real-life environment.

**MASTER THESIS** The thesis is usually written in cooperation with local companies. The thesis comprises analysis, design, implementation and testing of certain software components, related to the modules taught in the course.

**ADMISSION PRE-REQUISITES** Applicants for the Master Programme Software Technology must possess a university degree with grades significantly above average either in computer science requiring at least 3 years of university study or equivalent knowledge degree with knowledge in Database Systems, Data Structures and Algorithms, Object-oriented Programming, Software Engineering, Software Project Management and Distributed Systems.

Further all applicants, except native speakers, must turn in results of an English language test either TOEFL or IELTS to demonstrate their ability to actively participate in English language classes and write a master thesis.

## WORTH KNOWING

Visas will only be granted to applicants who can give proof of being able to finance their course of studies. The enrolment fee currently amounts to Euro 194,40 for each semester. For international students from non-EU-countries we are obliged by the state of Baden-Württemberg to charge tuition fees of Euro 1500 each semester. The cost of living in Stuttgart is estimated to be around Euro 750 per month including accommodation in a student hostel. Teaching or research assistance-ship are very rare and do not provide enough to fund the cost of living and studying. Because of visa regulations, academic pressure, and a competitive employment market, international students should not plan to finance their education at HFT Stuttgart through part-time employment.

## WELCOME



The Hochschule für Technik Stuttgart, founded in 1832, is located in the center of Stuttgart, capital of the federal state Baden-Württemberg in the southwest of Germany. It is the economic, cultural, sporting and social hub of a region in the heart of Europe. The Stuttgart area hosts important headquarters of renowned companies such as Mercedes Benz, Porsche, Bosch, Hewlett-Packard and IBM.