



MASTER OF SCIENCE (M. SC.)

# SOFTWARE ENGINEERING AND MANAGEMENT



business



informatics



english

FACULTY INFORMATICS

Enter the exciting world of Software Engineering and Management and experience how the technical, organizational and entrepreneurial aspects of software development unite in a master's programme.

## CAREER PROSPECTS

The global world is heavily characterised by steadily expanding worldwide networks and at the same time, by a global shortage of IT experts. As a result, there is a large and growing demand for software engineers and the job prospects for masters graduates in this field are highly promising. Prospective employers of our graduates are internationally operating companies that require a broad range of skills as well as specific expertise in software development. Alternatively, there are job openings in small and medium-sized enterprises. In addition, our graduates also will be well equipped to set up their own business.

## PROGRAMME STRUCTURE

The Master of Software Engineering and Management can be obtained in 3 semesters. The first two semesters cover the following four major areas and provide a sound theoretical basis in each field:

- › Computer Science
- › Applied Software Engineering
- › Information Systems in Business
- › Leadership, Intercultural and Interpersonal Competences

The final semester is dedicated to the masters thesis, which is accompanied by a colloquium.

## PROGRAMME FEATURES

The M.Sc. Software Engineering and Management offers a number of specific benefits and advantages such as

- › lectures delivered exclusively in English
- › an excellent student-lecturer ratio
- › an interdisciplinary curriculum
- › integration of management and engineering practices
- › a clearly structured and time-efficient schedule
- › sustained teaching quality through systematic student appraisal
- › state-of-the-art facilities
- › innovative forms of teaching
- › creative forms of learning, e. g. problem-based and blended learning

## COURSE OF STUDY (FULL TIME)

ADMISSION  
REQUIREMENTS

## 1. Bachelor Degree

- › Bachelor's degree in computer science or a closely-related field

## 2. Grade

- › A good European first degree (210 ECTS credits and a German average grade of 2.5 or better). Your certificate of the "Studienkolleg – Center for International Students" is necessary
- › Applicants with a first degree in computer science who have achieved a minimum of 180 ECTS credits may also apply. They will be requested to obtain an extra 30 ECTS credits in appropriate Bachelor programmes at Heilbronn University

## 3. Prerequisite Knowledge and Experience

- › Good programming skills in at least one modern programming language
- › Sound knowledge of mathematics, ability of abstract logical thinking and first experiences in software development

## 4. Language Skills

- › High proficiency in English

## START OF PROGRAMME

Winter term – September

**Closing date for applications:**

- › July 15<sup>th</sup>
- › Programme start for summer term is planned for 2020

## CONTACT

Heilbronn University of Applied Sciences  
Campus Sontheim  
Max-Planck-Straße 39 | 74081 Heilbronn  
Tel.: +49 7131 504-0 | [www.hs-heilbronn.de](http://www.hs-heilbronn.de)



## PLEASE NOTE

Non-German first-degree applicants have to apply to "Studienkolleg Konstanz" first (application deadline: June 1<sup>st</sup>).

## APPLICATION

You will find all information you need for your application at [www.hs-heilbronn.de/master-application](http://www.hs-heilbronn.de/master-application)

## ADVICE

**Academic advice**

Prof. Dr.-Ing. Gerrit Meixner  
Programme Dean  
E-Mail: [gerrit.meixner@hs-heilbronn.de](mailto:gerrit.meixner@hs-heilbronn.de)  
Tel.: +49 7131 504-6731  
[www.hs-heilbronn.de/msem](http://www.hs-heilbronn.de/msem)

