



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



## Table of Contents

<b>Master's degree</b> .....	<b>2</b>
<b>Software Engineering (SEM) • Heilbronn University of Applied Sciences • Heilbronn</b> .....	<b>2</b>

# Master's degree



## Software Engineering (SEM)

Heilbronn University of Applied Sciences • Heilbronn



## Overview

Degree	Master of Science
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	English (100%)
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	3 semesters
Beginning	Winter and summer semester
Application deadline	15 July for the following winter semester 15 January for the following summer semester  Please note: Non-German first-degree applicants have to get their documents recognised by " <a href="#">Studienkolleg Konstanz</a> " first. We highly recommend to <b>start the recognition process as early as possible</b> to ensure that all relevant documents are ready before the application deadline at Heilbronn University.
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	In the state of Baden-Württemberg, international students who are not nationals of a European Union (EU) state or the European Economic Area (EEA) are required to pay tuition fees of 1,500 EUR per semester.  Tuition fee waivers will be granted automatically to students from the EU and EEA, i.e. no tuition fees apply.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes

## Description/content

This Master's programme enables graduates to make tactical and strategic decisions in the selection and application of information processing systems and tools and to participate in research and methodological development in the field of software engineering. Furthermore, it enables graduates to lead and manage software engineering projects. To give the students the opportunity to develop content-related focal points, three professional profiles are offered.

The IT Management (ITM) profile enables graduates to understand the impact of technological changes on business strategy, select adequate information processing systems, and apply techniques to guide and promote change and innovation processes. They will be able to moderate team discussions in a digital or face-to-face environment and apply management methods in an intercultural environment. They will have experience in the assessment of technologies in the application area of medicine.

The Human-Computer Interaction (HCI) profile enables graduates to analyse user needs, define user requirements, design mock-ups and prototypes, develop interactive computing systems, and to plan and conduct different types of evaluation. On the one hand graduates will be able to understand the needs of their users, and on the other hand they will be able to develop the desired solutions.

Graduates of the Advanced Software Engineering & Data Science (ASE) profile will be able to design, evaluate, and engineer enterprise scale applications and software systems based on state-of-the-art principles. Above all, they will be able to address and solve complex technological and engineering problems in teams. They will focus on data-driven problems and apply appropriate technological and scientifically based solutions.

The precise course structure (including modules, course units, and course delivery) can be found on our website: <http://www.hs-heilbronn.de/sem>.

## Course Details

### Course organisation

The Master's programme in Software Engineering can be completed in three semesters.

The first two semesters cover the four main areas mentioned above, providing a sound theoretical basis in each field and preparing students for a number of organisational and leadership tasks in international software engineering organisations.

The third and final semester is dedicated to the Master's thesis which is accompanied by a colloquium. The thesis may deal with a topic of interest motivated by contemporary research or may be commissioned by a cooperating organisation. Each thesis is supervised by two examiners, one of whom may be an external professional.

Finally, the MSc Software Engineering offers a number of specific benefits and assets such as

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

Throughout the course, student groups use genuine case study material provided by the cooperating companies and apply the appropriate tools to solve the problems at hand in a team.

This not only improves their analytical and problem-solving capacities, but familiarises them with methodological and creative problem-solving techniques and the relational skills which are vital for future business leaders.

» [PDF Download](#)

<b>A Diploma supplement will be issued</b>	No
<b>International elements</b>	<ul style="list-style-type: none"> <li>• Language training provided</li> <li>• Content-related regional focus</li> <li>• Projects with partners in Germany and abroad</li> <li>• Opportunities for students to work abroad</li> <li>• Courses are led with foreign partners</li> </ul>
<b>Integrated internships</b>	Practical experience is gained via project work in cooperation with various businesses in Heilbronn or the vicinity. This cooperation provides real-world problems to solve in the context of course content and especially of the Master's thesis.
<b>Course-specific, integrated German language courses</b>	No
<b>Course-specific, integrated English language courses</b>	Yes

## Costs / Funding

<b>Tuition fees per semester in EUR</b>	1,500 EUR
<b>Additional information on tuition fees</b>	<p>In the state of Baden-Württemberg, international students who are not nationals of a European Union (EU) state or the European Economic Area (EEA) are required to pay tuition fees of 1,500 EUR per semester.</p> <p>Tuition fee waivers will be granted automatically to students from the EU and EEA, i.e. no tuition fees apply.</p>
<b>Semester contribution</b>	164 EUR per semester
<b>Costs of living</b>	The cost of living for a student is about 800 EUR to 1,000 EUR per month.
<b>Funding opportunities within the university</b>	Yes
<b>Description of the above-mentioned funding opportunities within the university</b>	<p>There are various scholarships that provide financial aid:</p> <ul style="list-style-type: none"> <li>• Deutschlandstipendium</li> <li>• Scholarships exclusively for students of Heilbronn University</li> </ul> <p>For more information, see: <a href="https://www.hs-heilbronn.de/en/scholarships">https://www.hs-heilbronn.de/en/scholarships</a></p>

## Requirements / Registration

## Academic admission requirements

Successful applicants fulfil the following admission requirements:

- An excellent or good German (average grade of 2.5 or less) or European Bachelor's degree (210 or 240 ECTS credits) or an equivalent international qualification (attested by Studienkolleg Konstanz ("SK", former: "ASK") certificate) in Computer Science or a closely-related field. Candidates who have obtained 180 ECTS credits for their first degree can acquire an extra 30 ECTS credits in appropriate Bachelor's programmes at Heilbronn University.
- An excellent or good German, European or International Bachelor's degree in any other field (210 ECTS credits) if applicants can provide proof of vocational experience in the field of Computer Science acquired in the previous three years.

## Language requirements

Provide evidence of your high level of proficiency in English equivalent to at least one of the following:

- [TOEFL paper-based version 550](#)
- [TOEFL computer-based version 213](#)
- [TOEFL Internet-based version 79](#) (TOEFL code for Heilbronn University 2751)
- [IELTS minimum 6.0](#)
- [Cambridge Certificate CAE minimum C](#)
- [AACSB English B2 Ability Test](#) minimum approved
- [Oxford Test of English](#) ( $\geq$  120 points and B2 in all modules)

Please note: Proof of language is compulsory (an English Bachelor's degree or work experience does not compensate for IELTS or any other test).

## Application deadline

15 July for the following winter semester  
15 January for the following summer semester

Please note: Non-German first-degree applicants have to get their documents recognised by "[Studienkolleg Konstanz](#)" first. We highly recommend to **start the recognition process as early as possible** to ensure that all relevant documents are ready before the application deadline at Heilbronn University.

## Submit application to

Heilbronn University of Applied Sciences  
Registration Office  
Ms Yvonne Rietzschel  
Max-Planck-Straße 39  
74081 Heilbronn  
Germany

## Services

### Possibility of finding part-time employment

The Office of Student Services has set up a job database for part-time jobs.

The job portal of the Career Service of Heilbronn University of Applied Sciences will provide you with information about current job vacancies, internships, student jobs, and final thesis jobs. [For more information, click here.](#)

### Accommodation

There are several halls of residence in Heilbronn, and the Office of Student Services of Heilbronn University of Applied Sciences offers a special database for finding accommodation. This database will provide you with a list of commission-free rooms available on the private housing market. [For more information, click here.](#)

## Career advisory service

The International Career Service assists international students at Heilbronn University in launching their careers in Germany. We provide assistance in navigating the German job market and support in the application process, whether for internships, part-time positions, or career entry after completing your studies. For more information, see: <https://www.hs-heilbronn.de/en/international-career-service>

## Support for international students and doctoral candidates

- Tutors

## General services and support for international students and doctoral candidates

The International Student Support Service assists international degree-seeking students at Heilbronn University of Applied Sciences.

### Services for international students:

- Pre-arrival support
- Consultancy on formalities after arrival
- Individual assistance with personal questions
- Advice on other suitable programmes and services on campus

Contact: [international-student-support@hs-heilbronn.de](mailto:international-student-support@hs-heilbronn.de)

For more information, see: <https://www.hs-heilbronn.de/en/international-student-support>



©Ketoma Vix Kemanji

## Ketoma Vix Kemanji MSc

After my Bachelor's and one year of working in a technical position, I enrolled in the MSEM programme. I found it particularly suitable for my career objectives after considering several study programmes in Germany and Europe. Through the programme, I was able to develop not only technical and beginner research skills but also management and intercultural competences. I enjoyed learning from a variety of skilled professors and industry experts and interacting with a diverse group of students.



## Master of Software Engineering in a Nutshell

The short film gives an insight into the Master's programme in Software Engineering.

» more:  
<https://www.youtube.com/watch?v=B55LH8gNbhU>



Heilbronn University – Sontheim campus

© HHN

Heilbronn University of Applied Sciences offers study programmes in engineering, business, and informatics and is located in one of Germany's leading economic and commercial regions. It is close to metropolitan cities and cultural centres such as Stuttgart, Mannheim, and Heidelberg. Known for its commitment to teaching, learning, and research, the university has campuses located across the Neckar region in Heilbronn, Künzelsau, and Schwäbisch Hall. Heilbronn University is very well connected and linked to over 220 reputable international universities all around the world, so students can also gain intercultural experience while, at the same time, improving their language skills.



## University location

The university has campuses located in Heilbronn, Künzelsau, and Schwäbisch Hall.

### **Heilbronn**

With over 120,000 inhabitants, Heilbronn is a fascinating city and great for student life. It boasts a long and intriguing history and has evolved into an exciting, lively city with a diverse cultural scene. The city pulsates with activity, offering a large number of cafés, beer gardens, and pubs. For active students, numerous sports clubs, public parks, and the banks of the Neckar River provide ample opportunities for jogging, walking, cycling, inline skating, and more.

### **Künzelsau**

Künzelsau is situated in a region with established hidden champions, global players, and leading companies in global markets. In this diverse landscape, you will find numerous recreational activities and cultural events.

### **Schwäbisch Hall**

Schwäbisch Hall is a city known for its family-friendly environment, medieval flair, high quality of life and work, and an arts and culture programme with supra-regional importance. It is a hospitable and cosmopolitan city where tradition and innovation blend excellently.

# Contact

Heilbronn University of Applied Sciences  
Informatics (IT)

Prof Dr-Ing Gerrit Meixner

Max-Planck-Straße 39  
74081 Heilbronn

Tel. +49 71315046731

✉ [bianca.meuche@hs-heilbronn.de](mailto:bianca.meuche@hs-heilbronn.de)

🌐 Course website: <https://www.hs-heilbronn.de/en/sem>

Bianca Meuche

Tel. +49 7131504699

✉ [Email](#)

📘 <https://www.facebook.com/InformatikHHN/>

🌐 <https://www.linkedin.com/school/hhn-heilbronn/>

📷 [https://www.instagram.com/informatik\\_hhn/](https://www.instagram.com/informatik_hhn/)

📺 <https://www.youtube.com/watch?v=2Hiwabz6VWQ&t>

Last update 04.12.2024 23:21:20



# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

## Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.  
German Academic Exchange Service  
Section K23 – Information on Studying in Germany  
Kennedyallee 50  
D-53175 Bonn  
[www.daad.de](http://www.daad.de)

## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

The publication is funded by the German Federal Ministry of Education and Research and by contributions of the participating German institutions of higher education.



Federal Ministry  
of Education  
and Research