

## Software Engineering for Industrial Applications (M.Eng.)



**Master's program**  
Hof University Graduate School



# Software Engineering for Industrial Applications



You already earned a Bachelor in Software Engineering or Computer Science and gathered some professional experience? You feel a need for deeper knowledge of software management and engineering tasks, especially for earning a leading position? Then our M. Eng. program in Software Engineering for Industrial Applications is just right for you. Kick-start your career with our perfect interdisciplinary toolbox of knowledge and skills in outstanding technological competence, software management and engineering skills.

Our web technology-, development- and software management oriented modules provide you with the strategic knowledge you need and enables you to develop industrial applications for companies all over the world. We also focus on software and project management.

Our teaching methods include various modern methods such as cloud-computing and international projects with our partner universities.

# Fast facts

degree awarded	Master of Engineering (M.Eng.)
language of instruction	English
duration	4 semesters (2 theoretical, 2 practical)
work load	120 ECTS in total
application deadlines	April 15 - May 31 (winter intake)  November 5 - November 30 (summer intake)
academic dates incl. orientation session	mid-September - March 14 (winter semester)  March - September 30 (summer semester)
fees	EUR 3,150 in tuition fees per semester (i.e. EUR 12,600 in total for four semesters)  plus approx. EUR 100 in student union fee per semester
living expenses in Hof	approx. EUR 600 to EUR 700 per month incl. rent, food and mandatory health insurance

## Admission criteria

- A Bachelor's degree in software engineering or similar from an accredited university, at least 180 ECTS or equivalent (depending on the home country)
- Proficiency in English, proven by either
  - official test score documents (TOEFL minimum 90 or IELTS 6.5 or above) or
  - confirmation that the Bachelor's program was taught completely in English language
- One year of relevant work experience

## Application process

- All applications must be done online:  
**[www.hof-university.com/application](http://www.hof-university.com/application)**
- The application period for winter intake is between April 15 and May 31.
- The application period for summer intake is between November 5 and November 30.
- An admission committee intensively scrutinizes all applications and decides about final admission. Admission letters will be issued in June for winter intake and December for summer semester intake.

# Course content

semesters 1 + 2

practice oriented theory

The first two semesters consist of 12 modules (4 basic + 6 core + 2 elective modules):

Basic modules:

- Project management
- Software engineering
- Communication and negotiation skills
- Internet of things

Core modules:

- Component oriented software development
- Advanced programming
- Concepts and tools for application development
- Practical studies - Industry 4.0
- Non-relational data bases
- Applied cloud computing

Elective modules:

- German language A1 and A2 (higher levels also available)
- Analytical information systems
- Mobile computing
- Recent trends in software engineering

3 + 4

internship

- Master's Thesis with a company
- practical work experience incl. training assignments

## **Internship**

A unique feature of this M.Eng. is that students spend the second year (third and fourth semester) doing a practical internship in industry (e.g. in a web technology or software development project). Also the Master thesis is project-based and done in cooperation with a company. Thus, you can immediately apply your knowledge, gain profound professional experience and earn money at the same time.

## **German language skills**

We place special emphasis on the language education of our students. For entering the internship, all students should have the German language level A2.

For students with a German language level of A1 at the point of admission, classes with higher German levels are also available.

## **About Hof University**

Founded in 1994 as a Bavarian state university, Hof University of Applied Sciences offers a very attractive study environment with its modern architecture and state-of-the-art facilities. Practice-orientation, internationalisation and graduate employability are at the heart of our teaching.

German students and international students from more than 30 countries learn together on our open-minded, intercultural campus. All professors and lecturers have a strong academic background as well as practical experience in the industry. In addition, all our professors hold a PhD.

Located at the top of Bavaria, Hof is a safe and cozy town in the heart of Europe with all amenities of a university town. Its green surroundings are ideal for all outdoor activities, and major cities like Berlin or Munich are within easy reach.

## Your benefits

- perfect interdisciplinary toolbox of knowledge and skills for complex management and engineering tasks in the field of software development
- unique Master's degree at the interface of management and technology with the degree M.Eng.
- German language skills of at least level A2 at graduation
- an innovative and diverse mix of methods - virtual learning, blended learning, simulations and case studies besides regular lectures
- development of intercultural competence
- great career perspectives in various fields, e.g. in web technology projects, software design or component oriented software development

“Choosing to go to Hof University to pursue my master's degree was a difficult but ultimately incredibly rewarding experience. It allowed me to expand my professional and social skills while experiencing the history, culture and natural beauty of Germany. The lectures were engaging and covered relevant topics which were further developed during my internship. After I finished my degree, I was hired immediately in my field of interest and I look forward to continuing living in Germany.”



**Ivan Iakimenko**  
*Graduate, U.S.A.*

# Why choose Hof University?

- first-class, hands-on education
- friendly and open-minded study environment, especially for international students
- extensive personal support for international students by the Welcome Center, International Office and Career Service
- assistance in finding accommodation in Hof
- orientation sessions prior to the start of the studies
- additional activities such as intercultural trainings, field trips and company visits
- located at the top of Bavaria and in the heart of Europe



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AND CHAUVINISM



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information



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Graduate School

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