



COURSE OF STUDY
INFORMATION TECHNOLOGY, M.ENG.



HOCHSCHULE
HEIDELBERG

Intelligence in Learning

STATE
APPROVED
UNIVERSITY



RESEARCH, DEVELOP AND SHAPE THE FUTURE!

Nowadays, we can no longer think of our environment without electronic equipment. The increasingly rapid development of high-performance technology and ongoing global automation are creating unexpected opportunities – both technically and job-wise. Take part in the exploration of this field and design our future! This study program addresses graduates of Electrical Engineering, Communication Engineering, Information Technology, Computer Engineering, Control Engineering, Electronics or similar disciplines.

INFORMATION TECHNOLOGY, M.ENG.

SRH University Heidelberg – Your Alma Mater

As one of the oldest and largest private universities nationwide, we set standards in the field of education. We impart knowledge that really lets you move ahead – practically, innovatively and creatively. A highly important part of this process is the close cooperation between students and tutors. Our concept for success: we offer new, practical courses of study, individual support and a fast track to the labor market. For our students, this means the best chance of an optimal start in professional life – with a tight network of connections to enterprises and educational institutions worldwide.

School of Engineering and Architecture – Your faculty

Whether in architecture or engineering, the School of Engineering and Architecture – faculty of the SRH University Heidelberg – offers you an excellent education that is subject-specific: You'll be ready for take-off in working life, with a unique mix of theoretical basics, field trips and internships. We place great importance on the issues

of energy efficiency and sustainability – so that you can meet future challenges successfully and responsibly.

Keep your finger on the pulse of the times

To prepare you for your future, we designed the programme "Information Technology". You will focus on the implementation, support and management of computer-based information systems, particularly software applications and computer hardware but also on Antenna design for mobile and satellite applications.

Practice-oriented studies

Besides providing the necessary specialized knowledge, we focus specifically on preparing you for your career entry right from the very start: in the many classes, practice sessions and interdisciplinary projects, you solve practical problems independently as well as in teams. Cooperation with business enterprises or integration in research projects and colloquia enable you to make use of the knowledge and skills you have acquired.

DISCOVER THE
CORE-PRINCIPLE:
A NEW STYLE
IN LEARNING



CORE – OUR NEW STUDY MODEL

The “**CORE-Principle**” – **Competence Oriented Research and Education** – places the acquisition of occupational competence at the center of your studies. This approach goes far beyond the delivery of theoretical knowledge. After your graduation, you will start your career with a great sense of self-confidence. Our students possess everything needed for a successful career: knowledge, competence, expertise and key skills.



I The competence model

The term occupational competence denotes all the skills that enable you to act independently and successfully in the labor market! Occupational competence can be attained at many levels by acquiring professional competence, methodological competence, self-competence and social competence

I Subject-Oriented 5-Week Blocks

Instead of having to deal with numerous subjects at the same time, you can focus entirely on a maximum of two subjects within one 5-week period.

I Activating Teaching and Learning Methods

To ensure that students remember what they are learning, we take a practical approach to teaching, using case studies, seminars, team projects, role plays and presentations.

I Competence-Based Examination Methods

From the profusion of examination methods available we choose the me-

thod that best fits the skills taught in a particular module. Scheduling a great number of exams within a short period of time is now a thing of the past thanks to the new program.

I Personal responsibility

Only if you take responsibility for your own actions and how you study, will you be able to excel and take on responsibility in business life – for yourself and for others.

I Best Employability

Our graduates are capable of proving themselves in a real business environment after their studies.

I Learning partnership

In their roles as mentors and coaches, the teaching staff assist the students in every way possible, be it subject-specific content, study organization or in personal matters.

MASTER INFORMATION TECHNOLOGY

Our academic year is divided into eight 5-week blocks. In each block, two parallel classes at the most may be taken. For the entire duration of studies, these blocks build on each other with regard to content. Studies begin with a 14-day introductory module. Targeted learning is on offer from day one with a university-wide preparatory phase to acquire basic study skills.

	Modul 1	Modul 2	Modul 3	Modul 4	Credits
1. Semester	Inform.- & Coding-Theory	Transmission Technology	Elective I	Elective II	
	8	8	8	8	32 ECTS
	Modul 5	Modul 6	Modul 7	Modul 8	
2. Semester	Image Processing	Real Time Programming	Project work	Elective III	
	8	8	8	8	32 ECTS
3. Semester	Masterthesis				
	26				26 ECTS
					90

Electives

Embedded Security: Embedded Security, Secure Protocols

Robotics: Robotics, Advanced Control Engineering

Communication Networks: Communication Networks, Optical Communications

Embedded Systems: Embedded Systems, Integrated Circuits

AT A GLANCE

INFORMATION TECHNOLOGY, M.ENG.

Duration of study

- 18 months, full-time study

Start

- Summer and winter semester (commencing 1st April and 1st October)

Admission requirements

- Degree in one of the following disciplines: Electrical Engineering, Communication Engineering, Information Technology, Computer Engineering, Control Engineering, Electronics or similar
- Proof of English: IELTS 6.5/TOEFL 80 or other proof of English proficiency

Features

- Full-time study and Course language: English

Final qualification

- Master of Engineering (M.Eng.), 90 CP (ECTS)

Tuition Fees

- 770 EUR per month
- One-time registration fee of 750 EUR or 1,000 EUR for applicants from countries with visa obligations. For payment regulations see more details on our website.



YOUR PATH TO OUR UNIVERSITY

The Information Technology Masters program starts twice a year, either in the summer (April 1st) or the winter (October 1st) semester. You can apply directly online at <https://www.hochschule-heidelberg.de/en/homepage/>

For the application following documents are needed:

- Curriculum vitae
- Certificate of English skills (TOEFL or similar)
- Certificate of first academic degree

In the selection procedure, your academic performance, professional experience and personal admission interview are taken into equal account.

Still questions?

We'd be glad to advise you by phone or in person (by appointment). You can reach us by phone at +49 6221 6799-916 or send an email to admission.hshd@srh.de

BECOME A MAVERICK – STRENGTH THROUGH ASSOCIATION!

Learn to reach beyond frontiers and qualify for interdisciplinary tasks at the School of Engineering and Architecture. We offer the following five Bachelor programs that prepare our students for a career in practical business:

To these belong:

- Architecture
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering
- Real Estate and Facility Management

All graduating students can further their knowledge by enrolling in the following Masters programs:

- Architecture (Master of Arts)
- Information Technology (Master of Engineering)
- International Business and Engineering (Master of Engineering)
- Water Technologies (Master of Engineering)

SUPPLEMENT

Tuition fees – Invest in your future!

We are a private, officially recognized university. The tuition fees enable us to offer you excellent teaching and an optimal study environment. The current tuition fees can be found on our website, <https://www.hochschule-heidelberg.de/en/homepage/>

Ways of funding

Besides the classic German BAFÖG grant, there are numerous other ways to finance your studies. We can advise you as to which of the following models might be an option for you:

- BAFöG
- Student loan from the KfW Group (subsidies bank)
- Student Educational Fund
- Scholarship programs

Networks & practice

We cooperate with a wide range of companies and our teaching is practice-oriented. During your studies you also learn to work scientifically and to incorporate and realize your ideas in projects.

Quality in Teaching confirmed

In the interest of consumer protection, Germany also ensures that private education providers guarantee a high scientific standard. This is certified through institutional accreditation of private universities by the German Scientific Council. The Scientific Council institutionally reaccredited the SRH University Heidelberg in 2009. In addition, the SRH University Heidelberg re-accredits all bachelor and master degree programs within the school.

Study abroad!

Anyone who wants to experience the culture and language of another country should study abroad. A semester or internship abroad considerably increases your chances of success when applying for a job. We offer options that range from semesters and internships abroad to doctoral studies. Our information events inform students about the opportunities and requirements. At the moment, approximately 30% of our students spend time abroad during their studies.

▶ IN BRIEF: THE PLUS FOR YOU

Unique learning

The contents of the course address the current and future needs of the energy industry. This is unique in Germany – so stand out from the crowd!

Multiple perspectives

You finish your studies with a „Master of Engineering“ degree. This enables you not only to do a doctorate or access the higher grades of the Civil Service – it also opens up attractive, international and diversified fields of activity.



Intercultural competencies

Business behavior that respects cultural differences, knowledge of international business relations and markets, proficiency in two foreign languages – we help you become globally mobile.



Dieser QR-Code verbindet Ihr Mobiltelefon direkt mit unserer Internetseite.

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