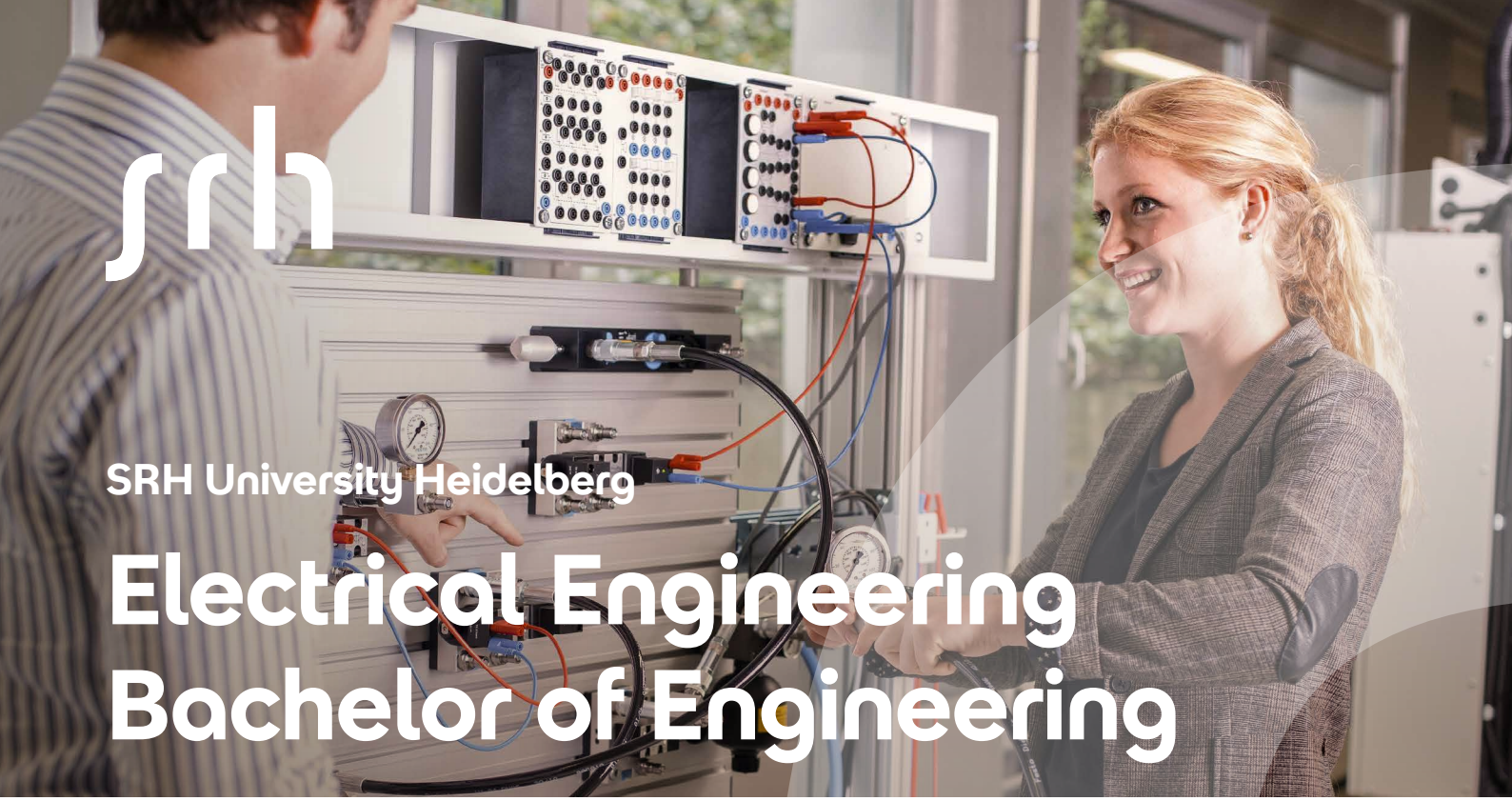

SRH University Heidelberg

Electrical Engineering
Bachelor of Engineering

Vanessa Lehr
Your contact person
+49 6221 6799-799
studyinheidelberg@srh.de

Prof. Dr. Felix Möller
Study Programme Director
felix.moeller@srh.de

Your motivation

You are ready for progress.

As an electrical engineer, you will be directly involved in the development of innovative products, such as the development of hardware and software for electric vehicles, the programming of mobile devices, and the control of high-speed trains and medical devices.

Your prospects

You drive innovation in the modern information society.

Electrical engineers are being sought and recruited for innovative tasks in all sectors. Electromobility is one of the fields in which you will be in great demand in the years ahead. In your future profession, you will typically focus on one major project or several small sub-projects. You will often be involved in the entire process – from planning and development to the construction design and manufacture of new devices, equipment and systems in the field of electronics and electrical engineering.

Your potential fields of work include:

- Research and development
- Planning and project planning
- Testing and quality control (inspection bodies such as the technical inspection agency TÜV)
- Technical sales (sale of technical products)

Course content and skills

You acquire the skills required to successfully manage projects.

Once you have graduated with a degree in Electrical Engineering from SRH University Heidelberg, you will have all the skills you need to operate successfully in the project planning, development and maintenance of complex systems. You will also have the opportunity to specialise in areas of high social relevance: electromobility, energy technologies and mobile robotics.

You engage in practice-based learning.

Besides enabling you to acquire the expertise you need, we specifically prepare you for entering the workforce from the very beginning: working alone or as part of a team, you solve practical problems in a variety of exercises and interdisciplinary projects. As a result, you will be prepared for the challenges of the future. The entire range of engineering positions in industry and public institutions will be open to you.

We continually adapt your teaching content to current developments. By studying at our university, you can therefore be sure of having excellent opportunities in a future-oriented job market.

Apply now!

Scan the QR code

At a glance

Degree

Bachelor of Engineering (B.Eng.)

Credit points

210 ECTS

Start of academic programme

Winter semester

Duration of study

7 semesters

Tuition fees

— € 690 per month
— One-time enrolment fee of € 750
— One-time enrolment fee of € 1,000 for applicants from Non-EEA countries without permanent residence permit

State recognition

Accredited and state-recognised

Admission requirements

— A general higher education entrance qualification (Abitur), a subject-restricted higher education entrance qualification (fachgebundene Hochschulreife) or an entrance qualification for studies at universities of applied sciences (Fachhochschulreife)
— Alternatively: at least two years of relevant vocational training and a minimum of three years' professional experience, plus the aptitude test
— Or: a master craftsman's diploma (Meisterbrief) or a technician qualification (Technikerabschluss)
— Successful participation in the selection process

Your study programme.

Instead of getting bogged down with lots of subjects, you concentrate fully on a five-week block (module) in each case. Each block concludes with an examination. This sustainable process helps you to achieve optimal learning outcomes.

Semester				
01	Mathematics and Natural Sciences I	Mathematics and Natural Sciences II	Foundations of Electrical Engineering I	Foundations of Electrical Engineering II
Examination & Credits	Kls & Präs I 8 ECTS	Kls & Kls I 8 ECTS	Kls & Kls I 8 ECTS	Kls I 8 ECTS
02	Foundations of Computer Science	Innovation and Economics	Analogue Electronics	Electronics Development
Examination & Credits	TPL I 8 ECTS	StA I 8 ECTS	Kls & Lab I 8 ECTS	PA I 6 ECTS
03	Production and Project Management	Sensors and Actuators	Interconnection	Engineering Design Project
Examination & Credits	PA I 8 ECTS	DIV I 8 ECTS	Kls I 8 ECTS	PA & Präs I 8 ECTS
04	Business Administration	Internship		
Examination & Credits	Kls & Te I 4 ECTS	PB I 27 ECTS		
05	Software Engineering	Embedded Systems	Systems Theory	Control Systems Engineering
Examination & Credits	TPL I 8 ECTS	TPL I 8 ECTS	Kls & Lab I 8 ECTS	TPL I 8 ECTS
06	Information Processing and Transmission I	Information Processing and Transmission II	♥ Elective I	♥ Elective II
Examination & Credits	TPL I 8 ECTS	Lab I 8 ECTS	DIV I 8 ECTS	DIV I 8 ECTS
07	Digital Engineering	Bachelor's Thesis and Colloquium	*In addition, English lectures from Semester 1 to Semester 4	
Examination & Credits	Kls I 8 ECTS	Th & Ko I 15 ECTS		

Explanation

The university reserves the right to make changes.

Kls: Written Exam
Präs: Presentation
TPL: Technical Problem Solving
StA: Student Research Project
Lab: Laboratory
PA: Project Work
DIV: Various Types of Exams
Te: Test
PB: Internship Report
Th: Thesis
Ko: Colloquium
♥ Electives: Please refer to the next page for module content within your elective.

Electives
Sharpen your profile.

Your choice of elective enables you to focus on your personal interests. After completing your basic studies, you can choose an elective in Semester 6 to explore your interests in greater depth.

Automotive Engineering

Elective I	ECTS
Electrical Components	8

Elective II	ECTS
Powertrains	8

Life Science Engineering

Elective I	ECTS
Anatomy and Device Technology	8

Elective II	ECTS
Vital Sign Acquisition	8