SRH University (Heidelberg)

Electrical Engineering

Study details

Course type: Bachelor's degree
Degree: Bachelor of Engineering (B.Eng.)
Study mode: Full time
Duration: 42 Month

Cost of study

Cost : 9 600 EUR
Reg. fee : 1 000 EUR
Scolarship :
Insurance : N/A EUR

Intake/s

Oct

Requirements

English language requirements
- TOEFL 87 ibt (direct entry)
- TOEFL 79 - 86 ibt (with additional agreement)
- TOEIC 785 (Listening/Reading 785, Speaking 160, Writing 150)
- IELTS/IELTS ONLINE (academic) 6.5 on average - please see Language Centre guidelines if results differ
- CAE (grade A, B, or C)
- CPE (grade A, B or C)
- Pearson English Test Academic (PTE-A) 59 points
- Linguaskill: 176 - 184 (CES) - all four skills required
- Duolingo 110 points

General Requirements

? General higher education entrance qualification (Abitur) or university of applied sciences entrance qualification (Fachhochschulreife)
? Proof of English language proficiency
? Curriculum Vitae with a current passport photo
? Copy of your identity card or passport

Accommodation

Dormitory - 1 000 EUR per month

Additional information

Course Overview

Electrical engineers play a vital role in the current technological transformation of mobility and energy technology. After graduating with a B.Eng. in Electrical Engineering from SRH University of Applied Sciences Heidelberg, you will have the skills to successfully plan, develop and maintain complex systems. You will also have the opportunity to specialise in areas of high social relevance: electromobility, energy technology and mobile robotics.

In addition to the necessary specialised knowledge, we will prepare you for your career entry in a targeted manner right from the start: In many exercises and interdisciplinary projects, you will solve practical problems independently and as part of a team. These tasks will prepare you for the challenges of the future. Gaining expertise in electromobility, energy technology, and mobile robotics will qualify you for engineering positions in technical industries and public institutions.

Fit for progress: As an electrical engineer, you are an innovator in the modern information society. Electrical engineers are specifically sought and hired in all industries for innovative tasks. As an electrical engineer, you will usually work on one large or several small subprojects. You will often be involved in the entire process, from planning and development to the design and manufacture of new devices, equipment, and systems in electronics and electrical engineering.

Your possible areas of responsibility

- Research and development
- Planning and project planning
- Testing and quality assurance (test centres, e.g. TÜV)
- Technical sales (sale of technical products)

In the coming years, electromobility will become another significant field of activity in which you, as an electrical engineer, will be in demand for project planning, development and realisation. Because we continuously adapt the course content to current developments, studying with us will give you excellent opportunities in this future-oriented labour market.

The Bachelor's programme in Electrical Engineering provides comprehensive theoretical and practical knowledge in various areas of electrical engineering and related disciplines. The programme begins with the fundamentals of mathematics and natural sciences, essential for understanding technical concepts. Students learn the fundamental principles of electrical engineering and the basics of computer science before deepening their knowledge in areas such as sensor/actuator technology and applying it in an engineering design project.

Business aspects are also part of the curriculum to promote a holistic understanding of technical decisions in a business context. Students gain practical experience through an internship in companies or research institutions. Other modules include Software Engineering, Embedded Systems and Systems Theory, and Control Engineering, which deal with the development of complex systems and their control.