

The logo for SRH, consisting of the lowercase letters 'srh' in a bold, orange, sans-serif font. The background of the entire page is a photograph of a man in a checkered shirt looking at a laptop in a workshop, with a large industrial machine visible on the right.

srh

SRH Berlin University of Applied Sciences
Berlin School of Technology

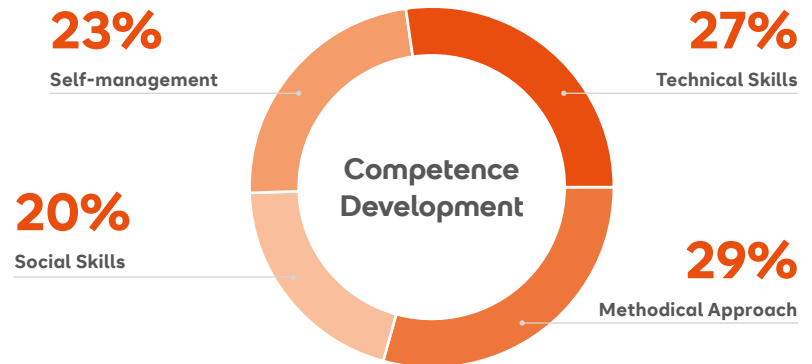
Applied Mechatronic Systems | B.Eng.

Our Unique Curriculum for You

In this Bachelor's programme, you will gain a clear understanding of the relevant disciplines of mechatronics, including mechanical engineering, electrical engineering and computer science. Apart from brushing up necessary skills in mathematics, physics, and statistics, you get to deepen your programming, intercultural, and communication skills. You also receive the "Siemens Mechatronic Systems Certificate Program (SMSCP)" certification at level 1-2.

Competencies and Curriculum

- Mechanical Engineering
- Electronics
- Computer Science
- Industrial Automation
(PLC incl. SMSCP Level 2)



Semester 1

- Mathematics I
- Physics
- Engineering Drawing and Design
- Mechanical Engineering
- Programming
- Mechatronics Lab / Measurement Techniques I

Semester 2

- Mathematics II
- Mechatronics Lab / Measurement Techniques II
- Electrical and Electronics Engineering
- Analogue Electronics
- Personal Skills
- Advanced Programming

Semester 3

- Mathematics III
- Language I
- Engineering Teamwork I: Applied Computer Science Lab
- Microcontrollers
- Sensor and Actuator Networks
- Automotive Systems and Robotics

Semester 4

- Language II
- Scientific Work
- Statistics
- Embedded Systems
- Advanced Data Exploration for Artificial Intelligence
- Modelling and Simulation

Semester 4

- Language II
- Scientific Work
- Statistics
- Embedded Systems
- Advanced Data Exploration for Artificial Intelligence
- Modelling and Simulation

Semester 5

- Language III
- Imaging Technologies
- Drives and Power Electronics
- Artificial Intelligence / Machine Learning
- Engineering Teamwork II: Advanced Mechatronics Lab
- Siemens Mechatronic Systems Certificate Program (SMSCP) | Level 1

Semester 6

- Smart Manufacturing
- Internet of Things and Cloud Technologies
- Material Science & Construction
- Engineering Teamwork III: AI and Autonomous Systems Lab
- Engineering Teamwork IV: Embedded Systems Lab
- Siemens Mechatronic Systems Certificate Program (SMSCP) | Level 2

Semester 7

- Research and Development Methods
- Internship / Company Project / Research Project
- Bachelor's Thesis

Your Future Career

As a Bachelor of Engineering graduate, you are qualified for challenging jobs in energy and environmental engineering, process engineering, general mechanical and plant engineering, the automotive industry and its suppliers, and the medical devices industry.

Your Success Is Our Mission

- State-accredited programmes recognised worldwide
- Practical approach through internships, case studies, field trips
- Learn from industry professionals
- Interactive and fun learning centred on individual support
- Personal guidance by our Career Service
- "Customise your studies" exclusive offer
- 114 partner universities for exchange semesters abroad
- Students from 100+ countries provide international flair

Financing Your Studies

- EU students have access to 100% financing via "Study Now, Pay Later", solidarity-based initiatives designed to allow equal opportunities for all. Reimbursement starts after graduation and reaching a minimum income threshold.
- Non-EU students can take advantage of student loans/scholarships in their home country.
- Remarkable students may be considered for our Scholarship Programme and win up to 50% on their year 1 tuition fees.

"Each semester, we bundle everything students learn in hands-on project work called 'Lab Module'. In this way, we provide practical experience right from the start."

Key Facts and Figures

Start

April and October

Duration

3.5 years

Mode

Full time

Credits

210 ECTS

Degree

Bachelor of Engineering

Language

English

Tuition Fees

EU: €690 per month

Non-EU: €4,800 per semester

CORE Principle

Find all information on our CORE Principle here:

www.srh-berlin.de/en/core



Klaus Schwarz

Fachdozent für Mechatronics

Your Bachelor's Programme for Efficient Engineering

Berlin School of Technology

The Berlin School of Technology, located in the west of Berlin, focuses on innovative and interdisciplinary Bachelor's and Master's degrees in the fields of engineering and computer science. The study programmes support the increasing demand in areas such as renewable energy, artificial intelligence and e-mobility. In addition to expert knowledge, you will gain insight into fundamental business operations and the chance to further develop your soft skills. Our programmes also includes various integrated projects, which allow you to directly apply your knowledge and skills in practice.

Entry Requirements

- General higher education entrance qualification (Abitur) or university of applied sciences entrance qualification (Fachhochschulreife)
- Proof of English language proficiency
- Curriculum vitae
- Copy of your passport/ID

Any questions?
We're happy to help out.
Email us or give us a call.
+49 30 515 650 200
studyinberlin@srh.de
www.srh-berlin.de/en

Find out more!

