



**SRH Berlin University of Applied Sciences
Berlin School of Technology**

**Engineering and Sustainable
Technology Management:**

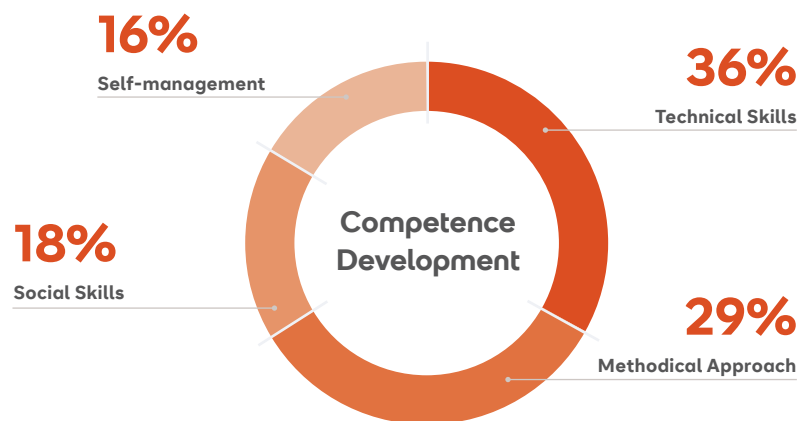
**Smart Building Technologies
| M.Eng.**

Our Unique Curriculum for You

In this programme you learn how to make buildings smarter and more sustainable. You get to expand your knowledge in the areas of building information modeling and automation, as well as decentralised energy supply. In addition, you will be able to develop your project, communication and intercultural skills through projects. Apart from getting technological expertise, our students also get to develop their soft skills and personality. In addition, you receive the "Siemens Mechatronic Systems Certificate Program (SMSCP)" certification at level 1-3.

Competencies and Curriculum

- Sustainable Technology Management
- CAD Design and Design Systems (NX by Siemens)
- Software Development and Applications (accompanied by SMSCP L2)
- Project & Risk Management
- Artificial Intelligence
- Building Technologies incl. Decentralised Energy Management Systems (DEMS)



Semester 1

Mathematical Methods reviewed (Tutorium)

Electrical and Electronics Engineering

CAD Design and Design Systems (NX by Siemens)

Sustainable Technology Management I:
Industrial Networking incl. Production Processing Game

Data Analysis and Basic Programming Languages

Sustainable Technology Management II:
Innovation Radar & Technological Foresight

Project Lab & Measurement Technologies incl. SMSCP L1

Semester 2

Artificial Intelligence I

Software Development and Applications (accompanied by SMSCP L2)

Project & Risk Management

Sustainable Technology Management III:
Product Lifecycle Management incl. CRM and SCM

Building Control System and KNX

Building Information Modelling and Digital Twin

Semester 3

Artificial Intelligence II

Building Technologies incl. Decentralised Energy Management Systems (DEMS)

Facility Management

Sustainable Technology Management IV: Innovation, Change and Competence Management

Sustainable Technology Management V: Sustainability & Circular Economy incl. new Business Models

Digital Signal Processing & Sensor & Cloud Technologies (incl. SMSCP Level 3)

Semester 4

Cyber Security - Methods and Best Practices

Internship - Company Project/Research Project

Research and Development Methods incl. Master's Colloquium

Master's Thesis

Your Future Career

Our new programme helps you in becoming an expert in technology management and digital building infrastructure. After finishing your studies you will know how sustainable and smart solutions can have a lasting impact on building infrastructure. This project and skill-based approach prepares you for demanding management positions around the globe.

Your Success Is Our Mission

- State-accredited programmes recognised worldwide
- Practical approach through internships, case studies, field trips
- Learn from industry professionals
- Interactive, 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.

"What's unique about BST? The mix between technology and business subjects in all our programmes, the cooperation with our industrial partners and the synergy between teaching and research. With this blend we make sure that students acquire the necessary personal and professional skills to become sought-after employees and scientists."

Key Facts and Figures

Start

April and October

Duration

2 years

Mode

Full time

Credits

120 ECTS

Degree

Master of Engineering

Language

English

Tuition Fees

EU: €790 per month

Non-EU: €6,800 per semester

CORE Principle

Find all information on our CORE Principle here:

www.srh-berlin.de/en/core



Prof. Dr. Michael Hartmann
Academic Director

The Master's Programme That Turns You into a Smart Building Expert

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

- Bachelor's degree in Architecture, HVAC (Heating, Ventilation, Air Conditioning), Computer Science, Electrical Engineering or related fields. If you do not have the degree certificate yet, you can also submit it before you start your studies.
- Letter of motivation
- Secondary School Certificate
- 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!

