SRH Berlin University of Applied Sciences
Berlin School of Technology

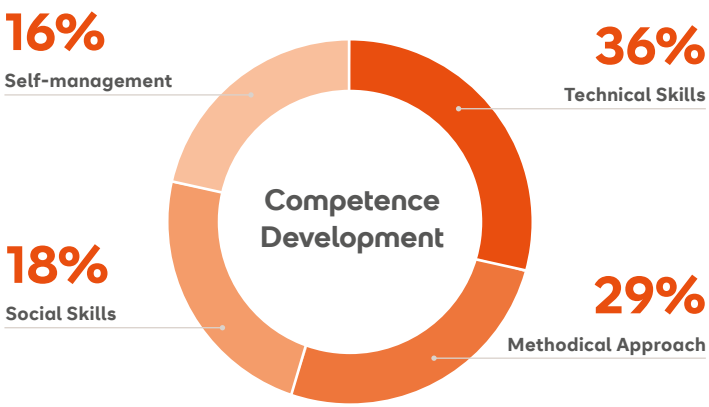
Engineering and Sustainable Technology Management: Mobility and Automotive Industry | M.Eng.

Our Unique Curriculum for You

You gain an in-depth insight into current topics such as autonomous driving, alternative drive concepts and new sales and business concepts in e-mobility. At the same time, you learn how to design and operate mobility and automotive systems using the latest technologies while driving innovation and sustainable economic success. Thanks to our skill-based approach, you will learn how to deal with integrated systems and complex technologies. 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 (incl. SMSCP Level 2)
- Future Mobility Concepts
- Alternative Power Supply incl. Infrastructure
- New Mobility & Automotive Technologies



Semester 1

- Mathematical Methods reviewed (Tutorium)
- Electrical and Electronics Engineering
- CAD Design and Design Systems
- 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
- Sustainble Technology Management III: Product Lifecycle Management incl. CRM and SCM
- Software Development and Applications (accompanied by SMSCP L2)
- Project & Risk Management
- Battery Electric Vehicles and Charging Infrastructure
- Future Mobility Concepts

Semester 3

- Digital Signal Processing, Sensors and Cloud Technologies (accompanied by SMSCP Level 3)
- Artificial Intelligence II
- Sustainable Technology Management IV: Innovation, Change and Competence Management
- Sustainable Technology Management V: Sustainability & Circular Economy incl. new Business Models
- Alternative Power Supply incl. Infrastructure
- Future Mobility & Automotive Technologies incl. Assistance & Autonomous Systems

Semester 4

- Cyber Security - Methods and Best Practices
- Internship - Company Project/Research Project
- Research and Development Methods incl. Master's Colloquium
- Master Thesis

Your Future Career

During your studies you learn how to manage projects and change, how to promote innovation and sustainability and lead intercultural teams. Thanks to integrated projects you get to develop your communication, presentation and negotiation skills and benefit from international job opportunities.

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.

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

"Broadening the domain knowledge within the automotive industry helps to scale up my employability and provides a new perspective to any problem."

Pavan Baragur Sandesh
Student

This Master's Degree Will Drive Your Career

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 Engineering (Environmental Engineering, Electrical Engineering, Computer Science, Mechatronic Engineering, Mechanical Engineering, Civil Engineering etc.) or (Natural) Sciences. Please submit your degree certificate and your transcript of records (If you do not yet have the degree certificate, you can also submit it later).
- Motivation letter
- Transcript of records
- 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!

Date: 01.04.2023. All information and conditions are subject to change.