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SRH Berlin University of Applied Sciences
Berlin School of Technology

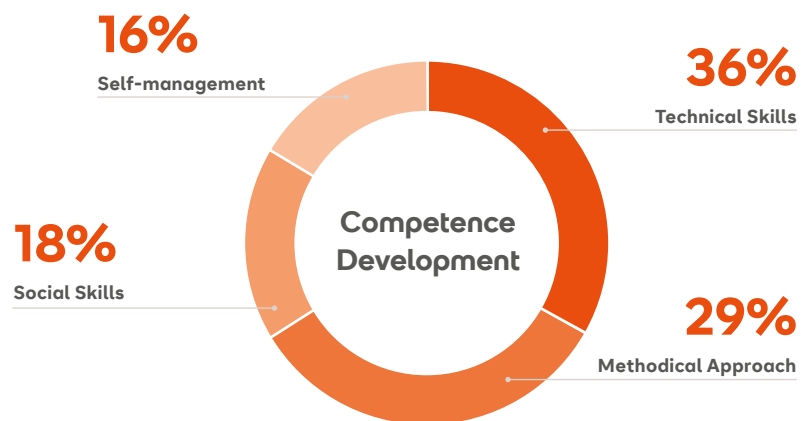
Engineering and Sustainable
Technology Management:
**Industry 4.0 – Automation,
Robotics & 3D Manufacturing**
| M.Eng.

Our Unique Curriculum for You

In this Master's programme, you will gain in-depth insight into top technologies of the digital industry, such as Digital Twin, automation or additive manufacturing. During your studies you will become proficient in current topics such as robotics, extended reality or circular economy and get to strengthen your soft and hard skills thanks to our project and skills-based concept. 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)
- Industrial Automation (PLC incl. SMSCP Level 2)
- Additive Manufacturing Technologies and Material Sciences
- Artificial Intelligence
- New Industrial 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
- Sustainable Technology Management III: Product Lifecycle Management incl. CRM and SCM
- Software Development and Applications (accompanied by SMSCP L2)
- Project & Risk Management
- Industrial Automation incl. SMSCP L2
- Additive Manufacturing Technologies and Material Sciences

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
- Modelling, Simulation and Digital Twin incl. SMSCP L3
- New Industrial Technologies

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

Upon graduation you will be a sought-after technology and Industry 4.0 specialist. Thanks to the integrated projects and the skill focus, you are able to take up expert and management positions around the world.

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

"The course is a combination of practical exposure of technical & project management subjects that improved my understanding of Industry 4.0."



Smit Ambardekar
Student

The Master's Programme That Turns You into an Industry 4.0 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 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!

