



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Engineering & Technology Management: Automation & Robotics (MEng)

SRH Universities • Berlin



Overview

Degree	Master of Engineering
Teaching language	<ul style="list-style-type: none">English
Languages	The programme is taught in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter and summer semester
Additional information on beginning, duration and mode of study	Intakes: April & October
Application deadline	Non-EU/EEA applicants: Please apply by 1 February (April intake) or 15 August (October intake). We also recommend that you apply early (at least four months before the start of your programme). EU/EEA applicants: Please apply by 1 April (April intake) or 1 October (October intake).
Tuition fees per semester in EUR	6,800 EUR
Additional information on tuition fees	<ul style="list-style-type: none">Non-EU/EEA tuition fees: 6,800 EUR per semesterEU/EEA (including Switzerland, Western Balkans and Ukraine) tuition fees: 790 EUR per month <p>Please note: The monthly/semester tuition fees remain the same for the entire duration of the study programme.</p>
Combined Master's degree / PhD programme	No
Joint degree / double degree	No

Description/content

Industry 4.0 technologies are changing the way how we think about manufacturing concepts, supply chains and resources. Due to recent developments in robotics, connected systems and augmented reality, businesses and managers need to catch up with new technologies in order to stay ahead of the competition.

Our new study programme helps students become experts in smart manufacturing and industry 4.0 technologies. Apart from learning about current topics such as industrial automation, additive manufacturing and digital twin, students also get to strengthen their communication, negotiation and intercultural skills in the various projects that are incorporated into the curriculum.

As part of their interdisciplinary education, Master's students become acquainted with innovation, product lifecycle and change management and know how to address current issues such as data protection, sustainability or developments in artificial intelligence.

Thanks to the focus on both technological and managerial topics, graduates of the programme are sought-after experts who have pioneering knowledge, an important skill set and major career opportunities around the world.

Students also take part in the **Siemens Mechatronic Systems Certification Program (SMSCP)** during their studies and obtain the certification on levels **one to three**.

Course Details

Course organisation**First semester**

- Mathematical Methods reviewed (Tutorial)
- Electrical and Electronics Engineering
- CAD Design and Design Systems (NX by Siemens)
- Sustainable Technology Management I: Industrial Networking incl. Production Processing Game
- Sustainable Technology Management II: Innovation Radar & Technological Foresight
- Data Analysis and Basic Programming Languages
- Project Lab (incl. SMSCP level one) & Measurement Technologies

Second semester

- Artificial Intelligence I
- Software Development and Applications
- Project & Risk Management
- Sustainable Technology Management III: Product Lifecycle Management incl. Customer Relationship Management and Supply Chain Management
- Industrial Automation (PLC incl. SMSCP level two)
- Additive Manufacturing Technologies and Material Sciences

Third semester

- Artificial Intelligence II
- Modelling, Simulation and Digital Twin (incl. SMSCP level three)
- New Industrial Technologies incl. Extended Reality and Autonomous Robotics
- Sustainable Technology Management IV: Innovation, Change and Competence Management
- Sustainable Technology Management V: Sustainability & Circular Economy including New Business Models
- Digital Signal Processing & Sensor & Cloud Technologies

Fourth semester

- Cyber Security
- Company Project/Internship
- Research and Development Methods including Master's Colloquium

- Master's thesis

A Diploma supplement will be issued	Yes
Certificates for specific modules are awarded	Yes
International elements	<ul style="list-style-type: none"> • Language training provided • Training in intercultural skills • Projects with partners in Germany and abroad
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	6,800 EUR
Additional information on tuition fees	<ul style="list-style-type: none"> • Non-EU/EEA tuition fees: 6,800 EUR per semester • EU/EEA (including Switzerland, Western Balkans and Ukraine) tuition fees: 790 EUR per month <p>Please note: The monthly/semester tuition fees remain the same for the entire duration of the study programme.</p>
Semester contribution	199.80 EUR for a discounted semester ticket that students can use for public transport in and around Berlin for a duration of six months
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<ul style="list-style-type: none"> • SRH Berlin University of Applied Sciences is offering partial scholarships for talented international students. • EU students can also benefit from our range of "study now – pay later" financing options. • Please check our website for more information: https://www.srh-berlin.de/en/study-at-srh/financing-your-studies/.

Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> • Bachelor's degree in Engineering (Environmental Engineering, Electrical Engineering, Computer Science, Mechatronic Engineering, Mechanical Engineering, Civil Engineering etc.) or (Natural) Sciences • Secondary School Certificate • Proof of English language proficiency
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- Curriculum vitae
- Copy of your passport/ID

Language requirements	<p>The following English proficiency tests are accepted:</p> <ul style="list-style-type: none"> • TOEFL Internet-based: 87 • TOEIC listening/reading: 785, speaking: 160, writing: 150 • IELTS (academic): 6.5 • CAE (grades A, B, or C) • CPE (grades A, B, or C) • FCE (grade A, B or C) • Pearson English Test Academic (PTE-A): 59 points • Linguaskill: 176 - 184 (CES) - all four skills required • B2 First: 173 • Duolingo: 95 points
Application deadline	<p>Non-EU/EEA applicants: Please apply by 1 February (April intake) or 15 August (October intake). We also recommend that you apply early (at least four months before the start of your programme).</p> <p>EU/EEA applicants: Please apply by 1 April (April intake) or 1 October (October intake).</p>
Submit application to	Please use our online application system to submit your application.

Services

Possibility of finding part-time employment	<p>Working as a non-EU citizen:</p> <p>In possession of a valid German residence permit for study purposes, you are allowed to work for up to 120 full days (full day = eight hours per day) or 240 half days (half day = four hours) during the calendar year. However, freelance work is not permitted. Internships that are mandatory for the successful completion of your studies at SRH Berlin do not count towards the above-named 120 full days.</p> <p>Employment that is considered "student part-time work" ("studentische Nebentätigkeit", e.g. employment as a student worker at a university or in a university-related organisation or "Werkstudent" activities at companies that are related to your studies) can be done without any time restrictions.</p>
Accommodation	We do not own any student dormitories or hostels. However, we provide assistance in selecting accommodation prior to and after your arrival in Berlin.
Career advisory service	<p>Our Career Service supports students and alumni in planning their careers and sharpening their professional profile. Our service portfolio includes:</p> <ul style="list-style-type: none"> • Consultation services for students • Career trainings and workshops • Annual "Career Day" with job fair and workshops • Support in finding a job or an internship for graduates and students
Support for international students and doctoral candidates	<ul style="list-style-type: none"> • Welcome event • Buddy programme • Specialist counselling • Support with registration procedures



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Smit Ambardekar Student

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



Five Students: An Interview about Berlin and SRH

We interviewed five students from five different countries about the reasons for and benefits of living in Berlin and studying here at SRH.

» more:
<https://www.youtube.com/watch?v=NVNHYCjtH1k>

SRH Universities



Our campuses in Berlin, Hamburg and Dresden

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SRH Berlin University of Applied Sciences is a state-accredited university that offers Bachelor's, Master's and MBA programmes in English and German.

Our six schools in Berlin, Dresden and Hamburg combine modern management and entrepreneurship, hospitality, media and creative industries, technology and IT, music and sound design in modern study programmes.

All schools focus on hands-on project work in small teams, an individual learning experience, and personal supervision by lecturers with real business experience.

With its more than 2,000 students from 100+ countries, SRH Berlin University of Applied Sciences is one of the most international universities. In addition to an international atmosphere, our students enjoy the opportunity to get in touch with industry partners and create a professional network through internships and company projects. We offer a wide range of services to support you in finding an internship, organising a semester abroad, and taking care of important tasks during your studies. With this support and environment, our students are prepared for careers in different industries around the globe.

The university belongs to the SRH Holding, a non-profit organisation with its headquarters in Heidelberg. As a leading provider of educational services, SRH operates universities, schools, and professional training centres. SRH Berlin is one of seven universities within the group with more than 14,000 students.



University location

With its population of 3.7 million residents, **Berlin** is the German capital, the largest city in Germany and the second most populous city in Europe. Apart from being a hub for higher education and research, the city is very multicultural: people from 190 nations live here, 20% of its residents come from abroad and every one in three Berliners is a first-generation or second-generation immigrant. Students in Berlin benefit from a high quality of life and a huge range of recreational activities: festivals, museums and sports events are seen everywhere. Additionally, a third of the city area is composed of parks, rivers and lakes. Berlin is a centre for politics, media and science, and it is renowned for its culture and arts scene as well as its buzzing nightlife. It is rich in history and historical monuments and has a well-connected public transport system that students can use with their discounted public transport tickets. Well-known for its innovation capacity, the German capital has a vibrant start-up scene and is known as a start-up hotspot in Europe. In addition, Berlin's low living costs and moderate rental prices, compared to other capital or European cities, make the city very attractive for both international and domestic students.

Dresden is a perfect study location. Not only is the city of art and culture a popular tourist destination with its many famous sights, but it has also developed into one of Germany's strongest and most dynamic economic locations over the past few years. As living costs and rental prices are still relatively low, Dresden is a favourable city for students from around the world. If you add the vast array of cultural events, the diverse nightlife and the city's beautiful location in the Elbe valley, one might not be surprised that Dresden is a great place to live and study in.

Hamburg is a city that is green, lively and economically strong. Located close to rivers and the ocean, Hamburg has more bridges than Venice and is part of the second largest metropolitan region in Germany. Compared to other cities in Germany, Hamburg has moderate living costs, a high standard of living and a secure infrastructure for students. The city's continuous growth makes it one of the most important and largest trade, economic and logistics centres in north-western Europe. International companies and agencies from the aviation, life science, health care, renewable energy and creative industries are based in Hamburg. Young professionals and university graduates benefit from attractive career opportunities in a growing economy and within the IT, media, retail, logistics and renewable energies industries.


Contact

SRH Universities

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[BE3001AX05&utm_medium=portal&utm_campaign=daad-intpr&utm_content=en-meng-eng-rob-3dman-vz-be&utm_term=en](https://www.srh-berlin.de/en/lp/meng-automation-robotics/?utm_source=wkz-BE3001AX05&utm_medium=portal&utm_campaign=daad-intpr&utm_content=en-meng-eng-rob-3dman-vz-be&utm_term=en)

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Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.
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Section K23 – Information on Studying in Germany
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www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
www.gate-germany.de

Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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