SRH University (Berlin)

Applied Mechatronic Systems | English

Study details

Course type: Bachelor's degree
Degree: BEng in Applied Mechatronic Systems
Study mode: Full time
Duration: 42 Month

Cost of study

Cost : 10 900 EUR
Reg. fee : 1 000 EUR
Scolarship :
Insurance : N/A EUR

Intake/s

Oct

Requirements

Entry qualification	**High school / secondary education** **The entry qualification documents are accepted in the following languages: English / German.** **Upload your electronic copies during the application process**
Language requirements	**English** Please find our English language requirements here: • Duolingo Certificate 110 points • TOEFL 87 ibt (direct entry) • TOEFL 79 – 86 ibt (with additional agreement) • TOEIC 785 (Listening/Reading 785, Speaking 160, Writing 150) • IELTS (academic) 6.5 average – please see Language Centre guidelines if results differ • CAE (grade A, B, or C) • CPE (grade A, B or C) • Pearson English Test Academic (PTE-A) 59 points • Linguaskill: 176 – 184 (CES) – all four skills required

Other requirements	• General higher education entrance qualification (Abitur) or university of applied sciences entrance qualification (Fachhochschulreife). If you have not graduated yet, we also accept your last interim certificate. • **Please note that applicants with foreign degrees might be eligible for direct entry. This means that applicants who meet the requirements DON'T need to do a foundation year before starting their Bachelor's.** • Proof of English language proficiency • Curriculum vitae • Copy of your passport/ID

Accommodation
Additional information

Overview

Our B.Eng Applied Mechatronic Systems programme combines mechanical engineering, electrical engineering and computer science. Strengthen your technical expertise, design solutions for electromechanical systems and hone your soft skills.

The Bachelor's programme in Applied Mechatronic Systems at SRH Berlin University of Applied Sciences will allow you to 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 will be able to design complete solutions for electromechanical systems and know how to implement the associated control systems, e.g. by using microcontrollers. Additionally, you will have the opportunity to learn more about exciting emerging fields such as automotive mechatronics, robotics, machine learning and smart manufacturing.

As a Bachelor of Engineering student, you will learn agile methods, do extensive lab work and work on hands-on projects with companies. In addition, you receive the **"Siemens Mechatronic Systems Certificate Program (SMSCP)"** certification at level 1 and 2.

Career opportunities

Choose from the following career paths

- Industrial development (planning, calculation, design and testing of technical plants, products and systems)
- Production (planning, manufacturing, operation and monitoring of technical and process facilities and systems, testing of products and processes, quality assurance)
- Marketing and sales of technical systems, plants and products
- Management activities in the manufacturing industry, private sector companies and public authorities