

Robotics and Intelligent Systems

Constructor University Bremen
Bachelor of Science



Program

Transdisciplinary aspects of mobility in intelligent natural systems

This program centers on engineering methods and technologies crucial for the development of autonomous mobile systems, including robots, capable of operating independently without constant human oversight. It places significant emphasis on the practical application of these methods and technologies within the realms of robotics and automation, with a focus on industries such as automotive and transportation, communication technologies, marine technology, and logistics.

Furthermore, the program delves into the transdisciplinary aspects of mobility in intelligent natural systems. Students are afforded hands-on experience with cutting-edge technical systems and methodologies through practical work conducted in state-of-the-art laboratory facilities. In essence, this program offers students a comprehensive education in the design, development, and application of autonomous mobile systems, positioning them for careers in this dynamic and rapidly advancing field.

Key facts

Place: Constructor University, Bremen, Germany

Tuition: 20.000€ per academic year (two semesters) +8.500€ on-campus room and board (single room, shared bathroom, full meal plan)

Fall intake 2024: Apply by June 1 (global) and July 15 (for applicants who do not need a visa). Start last week of August (orientation week), first week of September (classes)

Scholarships: All students are considered for an academic achievement scholarship based on their school grade point average (GPA). EU students are eligible for a minimum guaranteed scholarship of 4.000€.

Duration: 3 years full-time

Financing options: Each admitted candidate will receive an individual financial package.

C>ONSTRUCTOR
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Or use the [contact form](#) >

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Career

Career perspectives

The Intelligent Mobile Systems (IMS) program, now known as RIS (Robotics and Intelligent Systems), opens up diverse career options in research and development, as well as management tracks across industries such as automotive and transport, robotics and automation, communication technologies, marine technology, and logistics. The increasing demand for automation in daily tasks through intelligent mobile systems further expands the scope of career opportunities beyond the program's core focus.

A distinctive strength of the Constructor University offering is the alignment of scientific content with real-world use cases, providing students with practical insights into industry applications. The program enhances this practical exposure through field trips and participation in robotics competitions, offering valuable experiences and fostering professional networking opportunities.

Recent graduates from the IMS program have been employed by companies such as Cambio CarSharing Deutschland, Daimler AG, Klöckner Desma GmbH, and Objective Software GmbH. Moreover, IMS students have been accepted into various graduate programs, including the Master

in Artificial Intelligence at Università della Svizzera Italiana (Switzerland), the Erasmus Mundus Joint Master Degree on Advanced Robotics at Centrale Nantes (France), University of Genoa (Italy), Warsaw University of Technology (Poland), and Jaume I University (Spain), as well as the Master in Robotics at Heriot-Watt University (Scotland, UK).

The Constructor University Career Services Center (CSC) and the Alumni Office play crucial roles in supporting students in their career development. The CSC offers high-quality training and coaching in various aspects, including CV creation, cover letter formulation, interview preparation, effective presentation skills, business etiquette, and employer research. This comprehensive support aids students in identifying and pursuing rewarding careers post-graduation. Additionally, the Alumni Office facilitates the establishment of a lasting and global network, proving invaluable when exploring job options in academia, industry, and beyond.

Application

Undergraduate application information

Here you can find out about deadlines, the application process and requirements to apply for your Bachelor's program at Constructor University.

Financing

Investing in education is a significant commitment to your future, and at Constructor University, we are dedicated to transforming it into an affordable reality for students worldwide. To achieve this, we provide personalized financing options tailored to help cover tuition fees. These packages may include various forms of financial assistance, such as scholarships, grants, and tuition deferrals. The deferred tuition fees are only repaid once you have successfully entered the job market, allowing you to concentrate fully on your studies without immediate financial burden. We firmly believe that a Constructor University education serves as an ideal foundation for your future career, and we are delighted to invest in your success.

Maschinenbau

Informatik