Computer Science

Constructor University Bremen
Bachelor of Science

Program

Computation, information and automation

The Computer Science program at Constructor University plays a foundational role in shaping modern industries, as computer systems and information technology underpin nearly all contemporary production processes. In an era of constant evolution in computer technology, this program emphasizes the comprehension of fundamental principles that form the bedrock of these technologies. It aims to equip students with a deep understanding of these principles and their practical applications.

Key Features of the Computer Science Program:

1. **Core Competencies:** The program delves into core competencies essential for computer scientists, covering areas such as programming, software engineering, and the foundational principles of computer science. This ensures that students acquire the necessary skills and knowledge to navigate the dynamic field of computer science.
2. **Mathematics Integration:** Beyond computer science-specific subjects, students engage with mathematics, including calculus, linear algebra, and statistics. This integration enhances the analytical and problem-solving capabilities of students, providing a well-rounded educational experience.
3. **Engineering and Sciences Courses:** The curriculum includes courses in engineering and sciences, fostering a multidisciplinary approach. This broadens students' perspectives and encourages cross-disciplinary thinking, essential for addressing complex challenges in the field.
4. **Guided Research:** The program incorporates guided research opportunities, allowing students to explore specific areas of interest under the mentorship of experienced faculty. This hands-on experience contributes to the development of research skills and encourages a deeper understanding of specialized topics.
5. **World-Renowned University:** Study Computer Science at Constructor University, recognized as one of the world's top-ranked universities according to prestigious rankings such as THE Ranking and THE Young University Ranking in 2021, as well as the CHE Ranking. This ensures that students receive education of the highest standards.
6. **Excellent Career Options:** Graduates of the Computer Science program at Constructor University are well-positioned for exceptional career opportunities in top technology companies. The program's comprehensive curriculum and the university's reputation contribute to the success of graduates in securing rewarding positions in the tech industry.

This program is designed to provide a solid foundation in computer science while fostering a holistic and interdisciplinary approach. Students gain the expertise needed to adapt to the evolving landscape of technology and contribute meaningfully to the advancement of computer science. Choosing Constructor University for Computer Science education opens doors to a world-class learning experience and promising career prospects in leading tech companies.

Key facts

Place: Contructor 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

CONSTRUCTOR UNIVERSITY

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scholarship of 4.000€.
Duration: 3 years full-time
Financing options: Each admitted candidate will receive an individual financial package.

Career

Career perspectives

Computer Science stands as a pivotal discipline in the 21st century, influencing nearly every modern industry and presenting a myriad of career opportunities for graduates. The dynamic nature of this field contributes to a broad spectrum of career paths, with roles ranging from software engineer and system integrator to information systems manager, data analyst, cybersecurity analyst, and more. The favorable job market reflects the high demand for skilled professionals in the information technology sector.

Key Aspects of the Computer Science Program and Career Opportunities:

1. **Diverse Career Paths:** Graduates with a computer science degree can embark on diverse career paths, securing roles in software engineering, data analysis, cybersecurity, IT consulting, system analysis, and more.
2. **Job Market Favorability:** The computer science job market is highly favorable, offering a wealth of opportunities for individuals with the right skills and knowledge.
3. **Testimonials and Industry Recognition:** Testimonials from industry professionals, such as the acknowledgment from Microsoft, highlight the quality of education provided by Constructor University. The university is recognized as one of the top institutions from which Microsoft hires software engineers in Germany.
4. **Top Tech Industry-Related Companies:** Graduates of the program have secured positions in leading tech industry-related companies, including Amazon, Facebook, Google, Microsoft, SAP, Twitter, and others. Additionally, they have found roles in companies extensively using information technology, such as BMW Group, Deutsche Bank, KPMG, and Uber.
5. **Entrepreneurship Opportunities:** Some graduates have chosen entrepreneurial paths, founding their own companies such as Deep Web Solutions GmbH, Take Off Labs, and techOS GmbH.
6. **Continued Education at Leading Universities:** Past graduates have opted to further their education at renowned universities, both in Germany and internationally. Institutions include RWTH Aachen, Technical University Berlin, University of Amsterdam, University of Cambridge, EPFL Lausanne, University College London, University of Oxford, ETH Zürich, Carnegie Mellon University, Cornell University, University of Montreal, and more.
7. **Support for Career Development:** Constructor University's Career Services Center (CSC) and Alumni Office play integral roles in supporting students' career development. The CSC provides training and coaching in various aspects, including CV creation, cover letter formulation, interview preparation, and more. The Alumni Office helps students establish a global network for exploring job options in academia, industry, and beyond.

This comprehensive support system, coupled with the university's strong industry connections, positions graduates for success in their chosen careers and offers a seamless transition to the workforce or further education at leading institutions worldwide. The combination of a robust academic foundation and personalized career development support makes Constructor University an excellent choice for aspiring computer scientists.

Application

Undergraduate application information

Hereyou 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.

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