

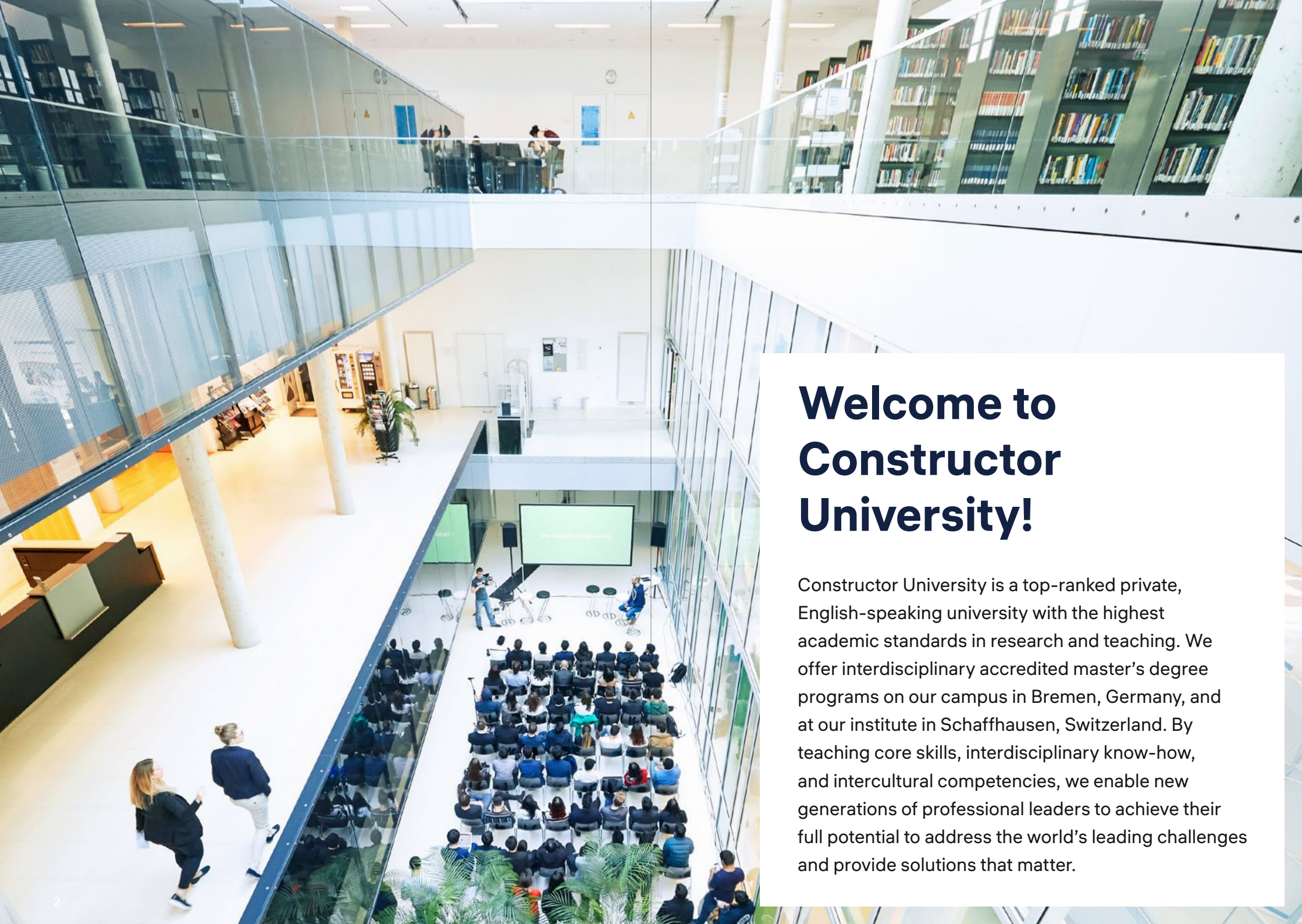


Master your talents

Graduate programs

constructor.university/graduate





Welcome to Constructor University!

Constructor University is a top-ranked private, English-speaking university with the highest academic standards in research and teaching. We offer interdisciplinary accredited master's degree programs on our campus in Bremen, Germany, and at our institute in Schaffhausen, Switzerland. By teaching core skills, interdisciplinary know-how, and intercultural competencies, we enable new generations of professional leaders to achieve their full potential to address the world's leading challenges and provide solutions that matter.

Computer Science & Software Engineering (MSc)

Drive innovation in a digitalized future

The master's program Computer Science and Software Engineering (CSSE) offered by Constructor University in Bremen and our institute in Schaffhausen, Switzerland combines a research-driven approach, strong academic culture and direct business connections. Graduate with the skills needed to drive innovation in the industry, academia, or through your own startup!

constructor.university/programs/graduate-education/computer-science-software-engineering

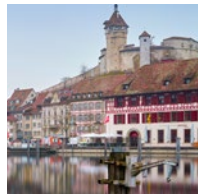


From Switzerland to Germany: a global academic journey for the digital leaders of tomorrow

A core emphasis of the program is studying in two places: our university campus in Bremen and our institute in Schaffhausen. It is based on a unique research-driven approach, and strong academic culture, offering direct connections to the business world. The CSSE program provides the opportunity to learn and work alongside a network of world-class experts. These opportunities will help students to gain cutting-edge knowledge and up-to-date tech skills. Students can participate in research, summer internships, and industry projects, all of which preparing them for international careers.

Schaffhausen, Switzerland

The institute in Schaffhausen is a global institution dedicated to promoting Science, Education, and Technology. The Constructor ecosystem comprises education, research, commercial technology spin-offs, consulting services, and investment funds.



Bremen, Germany

Constructor University offers a comprehensive range of interdisciplinary bachelor, master, and Ph.D. programs on its campus in Bremen, as well as the academic and research excellence that grant students the qualifications required to work and excel in the most needed global careers of our digitalized world.



“Jacobs University [now: Constructor University] is not only teaching me but also helping me to shape my career. It will be no effort for me to maneuver all over the world.”



Ellen Mendy,
Gambia

Apply now!



Data Engineering (MSc)

Explore the world of Big Data

Big Data is driving the next stage of technological innovation and scientific discovery. On the other hand, the global volume of data is growing at a pace that seems hard to control. Faced with these prospects and risks, the world requires a new generation of data specialists. Data engineering provides you with up-to-date knowledge and cutting-edge computational tools. Data engineering has everything that it takes to master the era of Big Data.

constructor.university/data-engineering 



Program features

The two-year program offers a fascinating and profound insight into the foundations, methods, and technologies of Big Data. Students take a tailor-made curriculum in line with their interests and needs. The Data Engineering graduate program incorporates a mixture of foundational lectures, specialized courses, industry seminars and applied project work, leading to a master's thesis that will usually be conducted in close collaboration with an industry partner or even at a company site.

Core components and areas of specialization include:

- The Big Data Challenge
- Data Acquisition Technologies Big Data Management
- Machine Learning
- Semantic Web and Internet of Things
- Statistical Modeling and Predictive Analytics
- Visual Data Analytics
- Internet Security and Privacy
- Legal Aspects of Data Engineering and Data Ethics
- Document and Image Analysis
- Mathematical Finance
- Geo Information Systems
- Modeling and Simulation in Supply Chain Management
- Localization
- Information Theory and Coding

“Jacobs University [now: Constructor University] is a fantastic place. The internationality of staff and students makes me improve myself. This is a degree with a promising future – whether in industry or research. The professors are eager to help me. They are really excited and committed to share their knowledge.”

Moises, Mexico




Apply now!



Advanced Software Technology (MSc)

Achieve your dream career with JetBrains & Constructor University

The Master's Program in Advanced Software Technology, set up in collaboration with JetBrains, provides comprehensive training in advanced computational paradigms data-driven analysis and software development. This program aims to equip students with robust skills to innovate and succeed in the dynamic IT industry. Our curriculum emphasizes practical skills and advanced technologies, preparing students for diverse career paths.

constructor.university/programs/graduate-education/advanced-software-technology 

Program features

The Advanced Software Technology graduate program is composed of foundational lectures, specialized modules, and applied project work, leading to a master thesis that can be conducted in research groups at Constructor University, at external research institutes or in close collaboration with a company. The program takes four semesters (two years). The program is sectioned into two areas (AST and Management modules) and the Master Thesis.

Core components and areas of specialization include:

- A multidisciplinary curriculum that seamlessly integrates the principles of software development and data science.
- The program will be taught by distinguished experts in the field from Constructor University and JetBrains, guaranteeing excellent teaching competence and hands-on experience from the forefront of the state of the art in research and industry. In addition, students will have access to real-world applications and the IT job market via JetBrains' excellent international network.
- An in-depth exploration of contemporary programming languages and strategies employed in software development.
- A comprehensive focus on big data processing methodologies and data analytics.
- Direct immersion in a range of advanced technologies, including advanced deep learning, meta-computing, system security, and mobile development.
- An expansive selection of elective courses allows students the flexibility to tailor the program to align with their specific interests.

“Looking back, I regard the master studies as an effective “simulation project” of the real work-life that comes after graduation.”

Lina, Romania



In cooperation with



Apply now!



Supply Chain Management (MSc)

Become a manager of globalization

Do you sometimes wonder what a smartphone consists of? How many people in how many places contributed to building it? And how it finally got into your hands? The ability to manage global supply chains is fundamental to success in the global economy. Graduates' career chances are with significant players in industries like automotive, machinery, precision equipment, aerospace, heavy auto-motive, software, and technology.

constructor.university/scm 



Program features

The two-year MSc program trains you for the growing field of design and management of supply chains. The program is aimed at students with an already completed first-degree or equivalent training in logistics, economics, engineering, or information technology, and for those who can prove a special affinity for the topic. The successful completion of the studies leads to earning an internationally acknowledged Master of Science (MSc) degree and enables a quick career entry in the area of Supply Chain Management in a national or international context. In a business world marked more and more by globalization, complexity, and flexibility, the curriculum aims to teach modern leadership and management competencies from the base of intercultural competence. You will discuss human resource

management, project management, and career planning throughout all semesters. It is strongly recommended to complete a three-months internship between semesters two and three to practice and increase your acquired knowledge and abilities.

Core components include:

- Transportation and Logistics
- Leadership and Strategic Management
- Modeling and Simulation
- Advanced Business Mathematics
- International Purchasing and Business
- Business Continuity Management



“Learning in small groups makes a great working environment that enables engaging discussions. The program showed me that logistics is everywhere. And Germany has a great environment for internships.”

Oliver, USA

Apply now!



Data Science for Society and Business (MSc)

Tackle the challenges of digital societies

The multidisciplinary program is designed for students with a background in the social sciences. Choosing from three elective tracks, graduates gain cutting-edge competences to solve the pressing challenges of digital societies. DSSB graduates are best prepared for quickly growing global, professional, and academic career options.

constructor.university/dssb 



Business

The DSSB program imparts extensive digital knowledge for students who are interested in business. With the expertise in business analytics, business management, and predictive modeling, graduates drive organizational change and optimization by understanding the target groups, their needs and predicting behaviors and trends to optimize businesses and create sustainable ideas for the future.



Social sciences

Students with interests in economics, media, political, and other social sciences learn to analyze and understand unstructured heterogeneous data about human interaction with the help of artificial intelligence, machine learning, and statistics. Insights about how social life unfolds, how networks grow, or how social dynamics emerge can be used to decode and predict social behavior, opinion formation, and economic trends.



Health and environment

For students who want to focus on health or environmental problems, our master's program offers a wide range of tools and methods to collect, evaluate, and understand digital health and planetary data. With the aim of making the world a better place, this knowledge can be used to illustrate the occurrence of certain diseases, predict their chances of cure, detect environmental threats, and monitor the success of countermeasures.



Apply now!





Career services

The Career Services Center accompanies students through all stages of their career development in order to enable them to achieve their professional goals. The Career Services Center organizes career fairs, company recruiting events, as well as training on project management, business communication, job interview skills, and more.

constructor.university/career-services



Counseling

- Career orientation
- Application check



Experience

- Internship program
- Job portal



Training

- Mock interviews
- Career skills
- Online tutorials & CV tool



Networking

- Various employer career events
- Annual Career Fair
- Alumni community

Excellent career prospects

Graduates of Constructor University follow a variety of professional and academic career paths all over the world. They benefit from an education that enables new generations of professional leaders to apply leading-edge knowledge and mature personal skills to address the main challenges of the world and provide solutions that matter.

The university is part of the Constructor ecosystem: a global science, education, and technology institution with capacities in research, funding, and incubation. It is a gateway to an extended job network among research, education, and industry partners. Many students successfully started their own businesses or pursued research careers at some of the world's most prestigious universities and institutes.

Top 10 employers of our alumni

Google / Microsoft / Roche / KPMG /
Accenture / Daimler / Barry Callebaut /
SAP / Amazon / McKinsey

Columbia University / ETH Zürich / Harvard University / Humboldt-Universität / Johns Hopkins University / LMU München / London School of Economics / Massachusetts Institute of Technology / Stanford University / University of Cambridge / University of Edinburgh / University of Oxford / Yale University

Top destinations for graduate studies



Financing options

Constructor University offers students personalized financing for tuition in the form of scholarships, and/or tuition deferral. Education is a substantial investment in your future. We strive to make it an affordable reality for students from across the world. We are convinced that graduating from Constructor University will form the perfect foundation for your future career as a young professional leader.

constructor.university/admission-aid/financing-graduate



Scholarships

All students are automatically considered for a scholarship without an additional application. Students will be informed about their scholarship amount immediately following admission.

- Academic achievement scholarship of up to € 10,000 based on academic success



Tuition Deferral

All admitted students are automatically offered the option of tuition deferral. The amount each student is allowed to defer is calculated upon admission.

- Repayment doesn't begin until a predefined minimum income is reached.
- A percentage of the income is paid for a limited period.
- If the income is lower than the defined minimum income level, repayment is deferred.

Admission

Apply online via:

<https://apply.constructor.university>

Apply now!



How To Apply

The following documents are required:

- Letter of Motivation
- Curriculum Vitae (CV)
- University transcript in English or German
- Bachelor's degree certificate or equivalent
- Two letters of recommendation (optional)
- English language proficiency test with a minimum score of TOEFL IBT (90), IELTS Academic (6.5), PTE Academic (145), GRE-Verbal (145), Duolingo English Test (110), Cambridge EFL Examinations (C1) or meet waiver criteria.

Application Deadlines for graduate programs

Rolling Admission

June 1

Students who require a visa

July 15

EU students / students who do not require a visa



CONSTRUCTOR
UNIVERSITY

Any questions?
We are happy to help!

Contact us at
graduateadmission@constructor.university



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