



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Bachelor's degree



BSc in Mathematics, Modelling and Data Analytics

Constructor University • Bremen

Overview

Degree	Bachelor of Science
Teaching language	<ul style="list-style-type: none">English
Languages	<p>Language of instruction: English</p> <p>Language courses are available in German, French, Spanish and Mandarin Chinese.</p>
Programme duration	6 semesters
Beginning	Winter semester
Application deadline	<p>To be considered for admission to an undergraduate programme, you need to apply by the following deadlines:</p> <ul style="list-style-type: none">Early decision: application due by 1 NovemberEarly action I: application due by 1 DecemberEarly action II: application due by 1 February <p>Rolling admission:</p> <ul style="list-style-type: none">Application due by 1 June for international students (who require a visa to enter and study in Germany)Application due by 20 July for EU/EEA citizens and citizens who do not require a visa <p>For more information, please check our website: https://constructor.university/admission-aid/application-information-undergraduate</p>
Tuition fees per semester in EUR	10,000 EUR
Additional information on tuition fees	<p>Annual undergraduate 2023/24 tuition fees – 20,000 EUR</p> <p>Annual graduate 2023/24 tuition fees – 20,000 EUR</p> <p>Annual International Foundation Year 2023/24 tuition fees – 12,000 EUR</p>
Joint degree / double degree programme	No
Description/content	<p>Mathematics is at the foundation of science, ranging from the beauty of theory and pure thought to applications in almost all areas of the natural sciences, engineering, economics, finance, and even the social sciences. While mathematics is an ancient subject and its applications also dates back</p>

many centuries, recent advances over the last two decades in data science have revolutionised all of these applications as well as some areas of mathematics itself.

A key advantage of this interdisciplinary programme is that it equips students with mathematical tools for formulating and analysing problems. Additionally, it provides context in modelling real-world problems and employs algorithmic data-driven approaches to solve them. The programme emphasises a strong mathematical foundation, enabling students to apply more powerful methods of analysis and modelling.

Course Details

Course organisation	All programmes are individually structured. Every student is assigned to an academic adviser. The goal of academic advising is to provide detailed information to students concerning the programme of study and to help students manage their time at university to their best advantage.
International elements	<ul style="list-style-type: none"> • International guest lecturers • Training in intercultural skills • International comparisons and thematic reference to the international context • Language training provided • Integrated study abroad unit(s)
Integrated study abroad unit(s)	The fifth semester includes a mobility window for study abroad options.
Integrated internships	The internship programme is a core element of Constructor University's employability approach. It includes a mandatory internship (minimum eight weeks full-time), which provides insight into the labour market as well as practical work experience related to the respective area of study. Successful internships may initiate career opportunities for students. For more information, please contact the Career Services Center (https://constructor.university/student-life/career-services).
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	10,000 EUR
Additional information on tuition fees	<p>Annual undergraduate 2023/24 tuition fees – 20,000 EUR</p> <p>Annual graduate 2023/24 tuition fees – 20,000 EUR</p> <p>Annual International Foundation Year 2023/24 tuition fees – 12,000 EUR</p>
Semester contribution	Approx. 330 EUR per semester, which includes public transportation

Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>The Tuition Deferral Programme is an innovative way to finance a portion of your tuition fees at Constructor University:</p> <ul style="list-style-type: none"> • The deferral of tuition fees will be calculated automatically, and the option of deferring tuition fees will be available to you shortly after admission. • You decide whether you want to take advantage of this personalised financing option. • Granted independent of your financial situation • Flexible repayment plan based on your future income and personal circumstances

Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none"> • Completed application: https://constructor.university/admission-aid/application-information-undergraduate • one recommendation letter from a school official (usually a school counsellor, teacher, or principal) • school transcripts of the last two to three years • results of a standardised test (SAT or ACT) • results of a language proficiency test (TOEFL, IELTS, CAE, Duolingo, etc.)
Language requirements	A list of all accepted English language proficiency tests and the minimum scores can be found here: https://constructor.university/admission-aid/application-information-undergraduate .
Application deadline	<p>To be considered for admission to an undergraduate programme, you need to apply by the following deadlines:</p> <ul style="list-style-type: none"> • Early decision: application due by 1 November • Early action I: application due by 1 December • Early action II: application due by 1 February <p>Rolling admission:</p> <ul style="list-style-type: none"> • Application due by 1 June for international students (who require a visa to enter and study in Germany) • Application due by 20 July for EU/EEA citizens and citizens who do not require a visa <p>For more information, please check our website: https://constructor.university/admission-aid/application-information-undergraduate</p>
Submit application to	https://constructor.university/admission-aid/application-information-undergraduate

Services

Possibility of finding part-time employment	We offer a limited number of student jobs on campus as well as support in finding student jobs off campus.
Accommodation	Constructor University offers on-campus accommodation that includes room and board (full meal plan). This accommodation is offered to undergraduate and International Foundation Year

students. The fee for one academic year (nine months) is 8,000 EUR.

Constructor University offers a variety of **off-campus** student housing options for **graduate students** in Bremen. You can reserve accommodation through Constructor University and take advantage of our housing support services, flexible lease terms, and full campus amenities. The fee for accommodation for one academic year (nine months) is 4,500 EUR.

Generally, the cost of housing in Bremen can be considered affordable compared to other German cities. Private rooms range from 300 to 500 EUR per month.

Career advisory service

The Constructor University Career Services Center accompanies students through all stages of their career development in order to enable them to become responsible leaders of tomorrow.

<https://constructor.university/student-life/career-services>

Support for international students and doctoral candidates

- Welcome event
- Specialist counselling
- Cultural and linguistic preparation
- Help with finding accommodation

General services and support for international students and doctoral candidates

As most of our students have an international background, we focus on your wellbeing.

Supervisor-student ratio

1:18

Contact

Constructor University

Student Marketing & Recruitment

Campus Ring 1
28759 Bremen

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✉ study@constructor.university

🌐 Course website: <https://constructor.university/programs/undergraduate-education/mathematics-modeling-data-analytics>

📘 <https://www.facebook.com/constructor.university/>

🐦 https://twitter.com/constructor_uni

🌐 <https://www.linkedin.com/school/constructor-university/>

📷 https://www.instagram.com/constructor_uni/

📺 <https://www.youtube.com/@constructor.university/about>

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International Programmes in Germany - Database

www.daad.de/international-programmes
www.daad.de/sommerkurse

Editor

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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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