



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Bachelor's degree



Structural Engineering

University of Duisburg-Essen • Duisburg

Overview

Degree	Bachelor of Science
Teaching language	<ul style="list-style-type: none">• German• English
Languages	The language of instruction is half German and half English. This means that approx. 50% of the courses are taught in German and the other 50% are taught in English. The language of the examination is the same as the language of instruction in the corresponding lecture.
Full-time / part-time	<ul style="list-style-type: none">• full-time
Programme duration	6 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	<p>The semester is scheduled to take place in person. However, there might be digital courses, particularly hybrid courses, offering e-learning opportunities.</p> <p>More information: https://www.uni-due.de/iw/en/study/freshmen.php</p>
Application deadline	15 July for the following winter semester
Tuition fees per semester in EUR	None
Joint degree / double degree programme	No
Description/content	<p>Structural engineers are concerned with the planning, design, manufacture and operation of buildings and other structures in civil, structural, traffic and hydraulic engineering projects. The Structural Engineering BSc provides a general education in engineering, mathematics and natural sciences.</p> <p>The core area covers classic construction disciplines such as statics and concrete and steel construction, allowing students to address basic construction-related problems. Other areas of construction such as substructure and soil mechanics are covered by the geoenvironmental component of the programme. Students will also learn about international construction regulations as well as national regulatory frameworks and statutory norms.</p> <p>Another part of the course, construction management, covers the implementation of major building projects, including quality assurance and financial aspects such as cost control.</p>

Environmental considerations and the natural sciences are covered in the urban water management and hydraulic engineering modules. Hydraulics is a specialist area for the University of Duisburg-Essen and is the subject of many of our lectures at both Bachelor's and Master's level. The interdisciplinary, ecologically-oriented approach of our lectures has its roots in Germany's industrial Ruhr region, where the university is based. However, our outlook is also international, thereby equipping students to address environmental issues in their own countries.

Engineering in general is becoming increasingly international in character, and many German firms are today involved in international construction projects. For students from outside Germany, the international outlook of the programme will make studying considerably easier, and graduates of the programme typically find employment at both national and international levels. The flourishing structural engineering sector, which is particularly active in large international cities, offers long-term international employment opportunities, as does the growing area of environmental technology.

Course Details

Course organisation	<p>The first year of studies in the Bachelor's programme is almost identical for all degree courses in the programme in "International Studies in Engineering" (ISE). During the first year, the language of instruction for all Bachelor's degree courses is 100% English. The overall language of instruction is 50% English and 50% German throughout the course of the programme.</p> <p>The basic principles of engineering and science are taught on a broad basis. In addition, students will study in a multicultural environment and are integrated into research and teamwork projects to complement advanced courses in a variety of areas.</p> <p>After completing the Bachelor's degree, the students will be able to choose to pursue a Master's degree in order to specialise in their former field of studies, or they can enrol in a Master's degree programme in a different engineering subject and thus aim for a double qualification.</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • Integrated/optional study abroad unit(s)
Description of other international elements	<p>The international orientation is realised by:</p> <ul style="list-style-type: none"> • lectures offered in German and English language of instruction (50% of the lectures in German, 50% of the lectures in English) • strong liaison with international partner universities • living and studying in a multicultural environment
Integrated/optional study abroad unit(s)	<p>Students who obtained their degree qualification at a German-speaking institution must provide proof of a stay abroad during the course of their studies. For all other students, a stay abroad is optional. The stay abroad can be utilised for participation in courses at a partner university and the associated completion of examinations worth at least 15 credit points, or for the completion of the final thesis.</p>
Integrated internships	<p>An industrial internship in a company is compulsory for all Bachelor's students. All 12 weeks of the industrial internship have to be finished before starting the final thesis.</p>
Course-specific, integrated German language courses	Yes

Course-specific, integrated English language courses	Yes
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Costs / Funding

Tuition fees per semester in EUR	None
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Semester contribution	All students are required to pay a social contribution of about 350 EUR per semester. The social contribution includes a semester ticket covering public transport in North Rhine-Westphalia, subsidised meals in the canteen of the university and other services.
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Costs of living	We recommend budgeting around 1,000 EUR per month for personal expenses.
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Funding opportunities within the university	No
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Requirements / Registration

Academic admission requirements	<ul style="list-style-type: none">• General university entrance qualification ("Abitur") or• Special university entrance qualification (restricted to certain fields of study, "Fachhochschulreife" or equivalent)• Evidence of having successfully completed a special degree programme with a related educational background or a qualification from a school with a special profile in mathematics
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Language requirements	<p>When enrolling, applicants must prove that they have knowledge of the German and English language according to the completed level B1 of the European Framework of Reference for Languages.</p> <p>Students must take placement tests immediately at the start of their studies to determine their knowledge of German and English.</p> <p>Applicants who have not obtained their study qualification at a German-speaking institution must have demonstrated German language proficiency at level B2 by the time they register for the German-language modules.</p> <p>Studying in a Bachelor's programme in ISE requires proof of level B2 in both languages as a prerequisite for graduation. In individual cases, the language courses required for this are part of the study programme.</p>
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Application deadline	15 July for the following winter semester
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Submit application to	https://www.uni-assist.de/
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Services

Accommodation

Accommodation is possible in halls of residence of the Studierendenwerk. Private accommodation in the region is diverse and affordable.

Support for international students and doctoral candidates

- Buddy programme

General services and support for international students and doctoral candidates

The "Support Center for (International) Engineering Students" (SCIES) acts as a help desk for all study-related questions in the Faculty of Engineering. The mission of SCIES is to support all students at the Faculty of Engineering and to help them gain the best from their experiences at the University of Duisburg-Essen. SCIES consults on questions with studies, helps in administrative matters, supports students in finding accommodation and provides the first level of support for the students regarding all questions they might have.

Contact

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🌐 Course website: <https://www.uni-due.de/iw/en/study/b-se.php>

📘 <http://www.facebook.com/Ing.Wiss.UDE>

📷 <https://www.instagram.com/fiw.ude/>

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International Programmes in Germany - Database

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

Editor

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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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