A Brief Portrait of Technische Universität Braunschweig

International

TU Braunschweig is a cosmopolitan research university that actively promotes international links. The university’s international orientation is reflected in the cultural diversity of its student body as well as in the research work of many of our teaching and research staff. The University is a member of the Elite University Association – a group of 25 top research universities in Germany. Furthermore, we are a member of the Elite University Programme. The University is also a partner of the forum for German/Russian science, a consortium of 16 German and 16 Russian research universities.

TU Braunschweig is a central point of contact for all things international at the university. We currently have more than 3,300 international students currently studying at TU Braunschweig. Outstanding mentoring initiatives ensure that international students feel right at home at our university. Students actively shape our campus and campus life according to their own ideas, from creating a student house and the Centre for Fire Safety, to organising outdoor film screenings or the student’s garden to offering a broadest sports programme in the region. As part of the Erasmus programme, TU Braunschweig has established cooperation agreements with more than 1,000 universities worldwide – including the University of Technology of China, the University of Rhode Island (USA), Tampere University (Finland), Polytechnic University of Montreal (Canada), South America, China, Japan and Singapore. In addition, we are a partner of the associated universities (TU Dresden, Technische Universität Berlin, RWTH Aachen University, University of Kaiserslautern, University of Duisburg-Essen and the University of Applied Sciences Coburg).

Campus life has lots to offer. More than 2,019 student and research assistants (809 women), 1,383 technical and administrative employees (820 women), 4,117 humanities, education and social studies students, 3,607 natural sciences students, 10,842 engineering students, 7,631 women and 3,340 international students from 112 countries are currently studying at TU Braunschweig. Outstanding mentoring initiatives ensure that international students feel right at home at our university. Students actively shape our campus and campus life according to their own ideas, from creating a student house and the Centre for Fire Safety, to organising outdoor film screenings or the student’s garden to offering a broadest sports programme in the region. As part of the Erasmus programme, TU Braunschweig has established cooperation agreements with more than 1,000 universities worldwide – including the University of Technology of China, the University of Rhode Island (USA), Tampere University (Finland), Polytechnic University of Montreal (Canada), South America, China, Japan and Singapore. In addition, we are a partner of the associated universities (TU Dresden, Technische Universität Berlin, RWTH Aachen University, University of Kaiserslautern, University of Duisburg-Essen and the University of Applied Sciences Coburg).

We welcome international students and researchers from all parts of the world and are happy to support you in your stay in Braunschweig.

We offer special courses for international students who want to learn about German and the German-speaking countries as well as courses on German literature and culture.

If you are looking for a university where you can experience many different cultures, where you can learn to understand and respect other cultures, and where you can improve your own language skills, then we are the right choice for you.

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Braunschweig’s rich history, its many sports options and the location on the banks of the Oker River make the city an ideal place for a university that attracts students from all over the world. The Central Campus is located in the heart of Braunschweig’s city centre.

Located in the heart of the Lower Saxony Science Triangle, which includes Hannover, Braunschweig and Magdeburg, TU Braunschweig benefits from close collaboration with these important research institutions. Numerous local research institutions partner with TU Braunschweig and offer students the chance to participate in their projects.

The Quantenfrontiers Excellence Cluster specializes in Quantum Science, Engineering and Technology. Researchers work on developing advanced technologies that could support the transition to sustainable energy production and usage and have set themselves the ambitious goal of paving the way for tomorrow’s sustainable and environmentally friendly transport systems. By focusing on ultralightweight materials that feature “smart” functions, the Battery LabFactory Braunschweig (BLB) is dedicated to engineering high-capacity batteries to enable mobility, environmentally sustainable energy production.

Research
Our research is grouped into four core research areas, as well as interdisciplinary and trans-university research centres with cutting-edge topics.

Our mobility research is concentrated on automotive and space technology. Our goal is to broaden the scope of new technical concepts and vehicle systems that have less of an impact on the environment, including a focus on alternative fuels.

One of Europe’s key research centres is located in Braunschweig. And right in the middle of it, next door to the Central Campus, the Excellence Cluster SE²A (Sustainable and Energy-Effective Architecture) sets the future at the heart of its research focus on sustainable building solutions. In conjunction with neighbouring research institutions, such as the University of Hannover and the German Aerospace Center (DLR), is a TU Braunschweig research centre, in partnership with the TIB, it is dedicated to the task of putting research into practice.

Two research centres collaborate on the Infection and Therapeutics core research area. BRICS uses a combination of natural and artificial substances, engineering and information technology to produce high-powered systems biology, for example to research complex challenges posed by our globalised world, the future of medicine and the treatment of incurable diseases. The Center of Pharmaceutical Engineering (CPE) focuses on bringing rationally designed medicines to patients, including the production of high-powered systems biology (PBS) on the heart, which is part of the research focus on sustainable building solutions. In conjunction with the University of Hannover and the German Aerospace Center (DLR), it is dedicated to the task of putting research into practice.

Learning and teaching
In the House of Transfer and Cooperation at TU Braunschweig, we provide a forum where students, teachers and researchers can meet and discuss the latest developments in research and technology. We facilitate and exchange information and ideas and contribute to the development of innovative teaching methods. We work closely with the University of Applied Sciences and Universities of Applied Sciences to ensure that our students are well prepared for their future careers.

The university’s student life is characterized by a strong research and social environment. TU Braunschweig supports students in their academic and personal development, offering a range of extra-curricular activities and support services, such as counseling, careers services and sports clubs. The university’s student life is characterized by a strong research and social environment. TU Braunschweig supports students in their academic and personal development, offering a range of extra-curricular activities and support services, such as counseling, careers services and sports clubs.

Our core disciplines include a comprehensive Engineering branch and a strong Natural Sciences branch, closely linked to Business and Environmental Science. Our core disciplines are characterized by a strong research and social environment. TU Braunschweig supports students in their academic and personal development, offering a range of extra-curricular activities and support services, such as counseling, careers services and sports clubs.