



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Business Engineering in Urban Mobility

Technische Universität Braunschweig • Braunschweig



Overview

Degree	TU Braunschweig: Master of Science in Technology oriented Management & Universitat Politècnica de Catalunya: Master of Science in Urban Mobility
Course location	Braunschweig
In cooperation with	European Institute of Innovation & Technology (EIT), https://eit.europa.eu/
Teaching language	<ul style="list-style-type: none">English
Languages	English
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	Academic year starts in September
Application deadline	<ul style="list-style-type: none">15 November: Application opens for period one31 January: Application deadline for period one 1 February: Application opens for period two15 April: Application deadline for period two (period two not recommended for non-EU applicants)
Tuition fees per semester in EUR	Yes
Additional information on tuition fees	The participation fees for each academic year are payable by semester: <ul style="list-style-type: none">Citizen of a non-EU/EFTA country 16,000 EUR (per year)Citizen of a EU/EFTA country 4,000 EUR (per year)

	The fees include full coverage of your participation in the kick-off programme , the summer school programme , and the graduation ceremony .
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	Yes
Description/content	<p>In a world where urbanisation is on the rise and sustainability is paramount, the demand for innovative solutions in urban mobility is greater than ever before.</p> <p>The Business Engineering in Urban Mobility programme (BEUM) offers a transformative learning experience to become a leader in one of the most critical and dynamic fields of the 21st century. In particular, the programme focuses on providing conceptual knowledge, methods, and project-based experience in innovating and transforming business models in the context of urban mobility.</p> <p>The programme is interdisciplinary and covers all modes of urban and regional transport for personal travel as well as goods and logistics. The programme provides an understanding of business perspectives in the evolving urban mobility landscape, how to design user-centric and sustainable solutions that enhance the urban mobility experience, and how the power of data can be used to make informed decisions in optimising urban mobility systems and supply chains.</p> <p>Through its interdisciplinary approach, students will be equipped with a comprehensive understanding of technology as well as with extensive competencies in the field of management.</p>
Current information	The next online seminar is expected to take place in March 2025. Meanwhile, you can access the latest recorded session on demand here .

Course Details

Course organisation	<p>The BEUM programme is a comprehensive combination of a Business Engineering major and a minor in Urban Mobility including:</p> <ul style="list-style-type: none"> • 41 ECTS mandatory courses in business administration and innovation • 25 ECTS mandatory courses in methods for urban mobility management • 24 ECTS mandatory courses with a focus on designing urban mobility solutions • 30 ECTS Master's thesis project <p>The programme is completed with 120 credits.</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none"> • Integrated/optional study abroad unit(s)
Integrated/optional study abroad unit(s)	Students study at two universities in two different countries and graduate with a double degree.
Integrated internships	Students are encouraged to participate in multiple events and networking opportunities throughout their study journey and to leverage the partner network of the EIT Urban Mobility programme in order to secure internships and Master's thesis placements.

Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	Yes
Additional information on tuition fees	<p>The participation fees for each academic year are payable by semester:</p> <ul style="list-style-type: none"> • Citizen of a non-EU/EFTA country 16,000 EUR (per year) • Citizen of a EU/EFTA country 4,000 EUR (per year) <p>The fees include full coverage of your participation in the kick-off programme, the summer school programme, and the graduation ceremony.</p>
Semester contribution	<p>In order to enrol at TU Braunschweig or to register back for the coming semester, you have to pay your semester contribution (currently approx. 364 EUR).</p> <p>The semester contribution for example covers your semester ticket for public transport.</p>
Costs of living	<p>By German standards, Braunschweig is not an expensive place to study. Nevertheless, you need a minimum of about 940 EUR per month to be able to study here successfully.</p> <p>More information about financing your studies can be found here</p>
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	<p>TU Braunschweig has a scholarship programme for excellent students ("Deutschlandstipendium"). The stipend rate is 300 EUR per month.</p> <p>Information on funding can be found here.</p>

Requirements / Registration

Academic admission requirements	<p>For admission to the BEUM Master's programme, the following academic qualification is required:</p> <p>Bachelor's degree in one of the following:</p> <ul style="list-style-type: none"> • Engineering • Computer Science • Information Technology • Software Engineering • Information Systems • Mathematics • Physics
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- Statistics
- Urban Planning
- Geography
- Economics

To qualify for admission, applicants must complete a Bachelor's degree (180 ECTS) in a relevant field of studies and provide proof of their English proficiency.

The Admissions Committee will decide whether the previous degree is closely related to the subject. A programme will be considered suitable if the subject areas are **at least 60 credits in business and economics and technology** (i.e. engineering, computer science, mathematics, architecture), **and at least 30 credits in business and economics and at least 5 credits in economics (micro- and macroeconomics)**.

Students in their final year of undergraduate studies may receive conditional acceptance and must provide their degree certificate before enrolment.

Required documents to apply:

- Degree certificate or diploma*
- Official transcript of records*
- Proof of English proficiency
- CV
- Letter of motivation
- Official ID

* in original language and translated into English

Language requirements

Proof of English Proficiency:

The programme only accepts two tests among the internationally recognised tests:

- IELTS Academic test (www.ielts.org): An overall band score of at least 6.5, with no section lower than 6, is required. General training IELTS tests are not accepted.
- TOEFL Internet-based test, iBT (www.toefl.org): A minimum total score of 92 (with writing section 22 and no section lower than 21) is required.

The results of your test must be final and still valid at the time of submitting your application.

Home-based tests (tests taken at home) are not accepted.

English proficiency tests are waived if and only if the applicant completed a degree instructed in English at a university that is physically located in one of the following countries: the UK, Ireland, the USA, Canada, Australia or New Zealand. Any other situation will not qualify as a waiver case.

Application deadline

- 15 November: Application opens for period one
- 31 January: Application deadline for period one
- 1 February: Application opens for period two
- 15 April: Application deadline for period two (period two not recommended for non-EU applicants)

Submit application to

<https://www.eiturbanmobility.eu/what-we-offer/education-and-training/masters-programmes/business-engineering-in-urban-mobility/>

Services

Possibility of finding part-time employment

TU Braunschweig offers various jobs for student assistants. You can find an overview of the job offers here:
[To the job market](#)

Accommodation

The Student Services OstNiedersachsen ("Studentenwerk") offer several dormitories:
<https://www.stw-on.de/en/braunschweig/housing/>.

More information about finding housing is available here:<https://www.tu-braunschweig.de/en/freshmen-hub/important-informations/housing-search>.

Career advisory service

As students will connect with companies early on during their studies through project challenges, industrial mentorships, and Master's thesis placements, they will gain practical experience and make important connections. This prepares graduates for jobs as engineers, planners, strategy experts, operators, innovators, marketers or managers in the private or public transportation sector, the automotive industry, city planning or mobility start-ups.

As a central advice centre, the Career Service helps students with all questions relating to entering the world of work:

<https://www.tu-braunschweig.de/en/organisation/facilities/facilities-from-a-to-z/translate-to-english-career-service>.

Support for international students and doctoral candidates

- Welcome event
- Buddy programme
- Accompanying programme
- Cultural and linguistic preparation

General services and support for international students and doctoral candidates

TU Braunschweig offers a broad range of support programmes for all administrative, academic, social, and personal questions and challenges that international students may have.

[Read more about our International Student Support programme](#)



153 seconds at TU Braunschweig

TU Braunschweig in a quick run-through: Jannick Stühff is a student who takes you along and shows you what studying at the Carolo-Wilhelmina is all about. Get to know our campus, learn more about life in Braunschweig, and see first-hand what cutting-edge research means to us.

» more:

<https://www.youtube.com/watch?v=A5jGY9IYDMo>

Technische Universität Braunschweig



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275 years of experience in teaching and research

A very warm welcome! We are happy you are interested in studying in Braunschweig. TU Braunschweig is a university with a long tradition of excellent research and teaching. We are part of the TU9 network, the alliance of the leading Universities of Technology in Germany.

TU Braunschweig has about 16,000 students and about 19 percent of them are international students. Six departments and 120 institutes offer 86 degree programmes and excellent facilities for interdisciplinary research work in the fields of engineering, natural sciences, social sciences, and the humanities.

TU Braunschweig is situated at the centre of Europe's most active research and development region. The large number of major companies

and leading national research institutes in the Braunschweig region create an enormous scientific potential. Students benefit greatly from the many active partnerships between university and industry. They can be involved in current research projects early on in their studies and work on study projects with practical relevance. Internships and practical training enable students to gain insights into various companies and to establish initial contacts with potential employers.

<https://www.tu-braunschweig.de/en/why-braunschweig>



University location

Braunschweig is a lively student city situated in northern Germany. With a population of around 250,000, it is big enough to feel cosmopolitan and yet small enough not to be overwhelming. As an important cultural and political centre dating back to the Middle Ages, Braunschweig retains the imprint of each passing age, from the medieval castle and the Gothic cathedral to modern shopping streets and leisure facilities.

Braunschweig has an international reputation as a city of research. The high density of national and international companies and scientific research institutes located in and around the city make Braunschweig the most active research and development region in all of Europe.

www.braunschweig.de

Contact

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 Course website: <https://www.tu-braunschweig.de/aip/pl/lehre-1/business-engineering-in-urban-mobility>

 <https://www.facebook.com/tubraunschweig>

 <https://www.linkedin.com/school/tu-braunschweig/>

 <https://www.instagram.com/tu.braunschweig/?hl=en>

 <https://www.youtube.com/channel/UC8X4NAyIUr9Q12hVUOoqyhQ>

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International Programmes in Germany - Database

www.daad.de/international-programmes

www.daad.de/sommerkurse

Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.

German Academic Exchange Service

Section K23 – Information on Studying in Germany

Kennedyallee 50

D-53175 Bonn

www.daad.de

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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