About TU Braunschweig

Title of presentation | Name of speaker | Date
Key Figures 2023

- founded in 1745
- 16,800 students | 3,200 of them international
- 3,800 staff members | 2,300 of them researchers
  242 of them professors
- € 393m overall budget | € 124m third-party funding

- 4 core research areas
- 6 faculties
- 86 degree programmes
- 7 interdisciplinary research centres
- 2 clusters of excellence
- 2 DFG collaborative research centres
What TU Braunschweig Stands for

- strong industrial and cooperation partner network in Europe’s most active research region
- university of technology with the longest tradition in Germany
- member of the TU9 Alliance, Germany’s leading 9 universities of technology
What TU Braunschweig Stands for

- explicit STEM-focus: broad range of engineering programmes
- complemented by natural sciences, social sciences and humanities
- transdisciplinary education
- strong fundamental research combined with a high application focus
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tbody>
<tr>
<td>1745</td>
<td>Foundation of the <strong>Collegium Carolinum</strong></td>
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<td>1878</td>
<td>The Collegium Carolinum is renamed <strong>Herzogliche Technische Hochschule Carolo-Wilhelmina</strong></td>
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<td>1968</td>
<td>Establishment of a department for humanities and social sciences, the University gets its present name <strong>Technische Universität Braunschweig</strong></td>
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<td>1995</td>
<td>TU Braunschweig celebrates its <strong>250th anniversary</strong></td>
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<td>2007</td>
<td>Braunschweig becomes German <strong>»City of Science«</strong></td>
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<td>2007–2020</td>
<td><strong>Foundation</strong> of 7 interdisciplinary research centres (NFF, NFL, BRICS, LENA, PVZ, OHLF, ZeBra)</td>
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<td>2018</td>
<td>Success in the <strong>excellence strategy</strong>: clusters of excellence in aviation and metrology</td>
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Our history dates back to 1745, making us Germany’s university of technology with the longest tradition.
Comprehensive University with 6 Faculties

01  Carl Friedrich Gauß Faculty (Mathematics, Computer Science, Business Science, Social Sciences)

Faculty of Life Sciences

Faculty of Architecture, Civil Engineering and Environmental Sciences

Faculty of Mechanical Engineering

Faculty of Electrical Engineering, Information Technology, Physics

Faculty of Humanities and Education
TU Braunschweig International

- 3,200 international students
- 110 countries
- 19% of all students
- 310 partner universities
- 170 Erasmus agreements

**Strategic partners:** University of Strathclyde, Tampere University, University of Rhode Island

**Key exchange partners:** in the USA, Canada, South America, India, China, Japan and Singapore
TU Braunschweig has bundled research activities into 4 interdisciplinary core research areas:

- Mobility
- Metrology
- Engineering for Health
- Future City
Research at TU Braunschweig: Clusters of Excellence

SE²A – Sustainable and Energy Efficient Aviation
established 2018
Core research area Mobility

Quantum Frontiers
(together with LU Hannover)
established 2018
Core research area Metrology

Additive Manufacturing
in preparation
Core research area Future City
Our interdisciplinary research centres are long-term interdisciplinary and interdepartmental research associations.

Professors from at least two faculties come together to form a Research Centre.

In most cases, non-university research institutions are involved.
Situated in Europe’s Most Active Research Region

- More than 19,600 people work in research and development facilities in the city and region of Braunschweig.
- That is 4% of the population - the highest ratio in Europe.
- More than 30 major research institutions and companies are a part of the research region.

According to Eurostat, Braunschweig has the highest ratio of GDP spent for research and development in Europe.

### TOP 5 REGIONS IN THE EU RESEARCH AND DEVELOPMENT INTENSITY, 2015 (% relative to GDP)

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<tr>
<th>Region</th>
<th>Intensity</th>
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<tr>
<td>Braunschweig</td>
<td>9.50</td>
</tr>
<tr>
<td>Prov. Brabant Wallon</td>
<td>6.54</td>
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<tr>
<td>Stuttgart</td>
<td>6.24</td>
</tr>
<tr>
<td>Steiermark</td>
<td>5.16</td>
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<tr>
<td>Midi-Pyrénées</td>
<td>4.75</td>
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TU Braunschweig is member of the Research Region Braunschweig.

Within the region, we work closely with a number of research institutes, federal institutes and other partners.
The City of Braunschweig

- population of 250,000
- second largest city in Lower Saxony
- first mentioned in 1031, important cultural and political centre since the middle ages, member of the Hanseatic League
- central position in the heart of Germany
- ranks 4th among all major German cities in terms of quality of life
Let’s get in touch!

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