The Technical University of Munich (TUM) is one of Europe’s leading universities for research with a range of disciplines, unparalleled in Germany, including engineering and natural sciences, life sciences and medicine, management and social sciences. TUM takes advantage of this breadth to create interdisciplinary structures in both research and teaching. After all, it is only through collaboration between disciplines that the great challenges of the 21st century can be overcome. TUM focuses on the following future-oriented fields:

- Energy & Natural Resources
- Environment & Climate
- Health & Nutrition
- Mobility & Infrastructure
- Information & Communications

At the same time, TUM addresses the decisive issues surrounding the social aspects of new technologies.

TUM is an entrepreneurial university that fosters individuals’ gifts and cultivates the diversity of talents – at all levels, from first-year students to leading scientists. TUM is international, both on its campuses in Bavaria and at its locations around the world.

Ever since pioneering engineers like Carl von Linde and Rudolf Diesel paved the way for ground-breaking innovations at TUM in the 19th century, technology transfer has been one of the university’s central goals – for the lasting benefit of mankind.
1 TUM Asia, Singapore
   first campus of a German university abroad

2 EuroTech Universities Alliance (Brussels)
   Technical University of Denmark - DTU
   École polytechnique fédérale de Lausanne - EPFL
   Eindhoven University of Technology - TU/e

3 TUM Office Beijing
4 TUM Office Cairo
5 TUM Office Mumbai
6 TUM Office San Francisco
7 TUM Office São Paulo

North America
19 partner universities

Europe
36 partner universities, additional
320 Erasmus partnerships

Asia
64 partner universities

Central and South America
23 partner universities

Africa
10 partner universities

Australia & New Zealand
9 partner universities
## Students & Programs

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>39,081</td>
</tr>
<tr>
<td>Women among these</td>
<td>34%</td>
</tr>
<tr>
<td>International students</td>
<td>8,774</td>
</tr>
<tr>
<td>China</td>
<td>1,117</td>
</tr>
<tr>
<td>Austria</td>
<td>723</td>
</tr>
<tr>
<td>Italy</td>
<td>561</td>
</tr>
<tr>
<td>India</td>
<td>558</td>
</tr>
<tr>
<td>Turkey</td>
<td>507</td>
</tr>
<tr>
<td>Graduates 2015</td>
<td>8,911</td>
</tr>
<tr>
<td>Programs</td>
<td>160</td>
</tr>
<tr>
<td>Bachelor</td>
<td>43</td>
</tr>
<tr>
<td>Master</td>
<td>97</td>
</tr>
<tr>
<td>English-language programs</td>
<td>24</td>
</tr>
<tr>
<td>Programs at TUM Asia in Singapore</td>
<td>8</td>
</tr>
</tbody>
</table>

## TUM Members & Alumni

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professors (including university hospital)</td>
<td>528</td>
</tr>
<tr>
<td>Women among these</td>
<td>16%</td>
</tr>
<tr>
<td>New appointments 2015</td>
<td>44</td>
</tr>
<tr>
<td>Women among these from institutions abroad</td>
<td>41%</td>
</tr>
<tr>
<td>Research and teaching staff (including hospital)</td>
<td>6,142</td>
</tr>
<tr>
<td>Women among these from abroad</td>
<td>20%</td>
</tr>
<tr>
<td>Other staff (not-including university hospital)</td>
<td>3,207</td>
</tr>
<tr>
<td>Women among these</td>
<td>34%</td>
</tr>
<tr>
<td>Members of Alumni Network</td>
<td>54,476</td>
</tr>
</tbody>
</table>

Data as of Dec. 1, 2015, unless otherwise stated
### Research & Technology Transfer

#### Publications in scientific journals 2015
| Source: Scopus database | 6,104 |

#### Doctorates 2015
| 1,021 |

#### Participation in DFG Collaborative Research Centers (SFBs)
| 22 |
- among these
| 7 |
- SFBs with TUM spokespersons

#### European Research Council Grants since 2008
| 51 |

#### Patents first filed in 2015
| 69 |

#### Total budget 2014
- (including university hospital)
- thereof

| State of Bavaria | 564.4 M euros |
| Revenue | 415.5 M euros |
| Raised external funds | 276.0 M euros |
- thereof

| DFG | 86.7 M euros |
| German Federal Government | 59.4 M euros |
| Private enterprise | 44.9 M euros |
| Other private donors | 30.4 M euros |
| State of Bavaria | 17.7 M euros |
| EU | 17.3 M euros |
| Foundations | 11.0 M euros |
| Founders of endowed professorships | 8.6 M euros |

Data as of April 15, 2016, unless otherwise stated.

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Inorganic chemistry laboratory
13 Nobel Laureates have done research and taught at TUM, among them:

- **Heinrich Otto Wieland** (1887-1957)
  1927 Nobel Prize in Chemistry

- **Hans Fischer** (1881-1945)
  1930 Nobel Prize in Chemistry

- **Rudolf Mößbauer** (1929-2011)
  1961 Nobel Prize in Physics

- **Ernst Otto Fischer** (1918-2007)
  1973 Nobel Prize in Chemistry

- **Klaus von Klitzing** (* 1943)
  1985 Nobel Prize in Physics

- **Robert Huber** (* 1937)
  1988 Nobel Prize in Chemistry

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**Emil Erlenmeyer**
(1825-1909)
Chemist
Discoverer of chemical multiple bonding

**Carl von Linde**
(1842-1934)
Inventor of refrigeration technology
Founder of Linde AG

**Oskar von Miller**
(1855-1934)
Hydroelectric and high-voltage pioneer
Founder of Deutsches Museum München

**Rudolf Diesel**
(1858-1913)
Inventor of compression-ignition engine

**Walther Meißner**
(1882-1974)
Low-temperature scientist

**Claude Dornier**
(1884-1969)
Aircraft engineer

**Willy Messerschmitt**
(1898-1978)
Aircraft engineer

**Heinz Maier-Leibnitz**
(1911-2000)
Nuclear physicist
Initiator of Germany’s first research reactor

**Arne Skerra**
(* 1961)
Scientist of protein engineering
Inventor of a new species of receptor proteins

**Thomas Scheibel**
(* 1969)
Biochemist
Synthesis of artificial spider silk
History

1868  Founding of Polytechnische Schule München by King Ludwig II
1877  Renamed Technische Hochschule München
1901  Granted right to award doctorates
1930  Integration of Hochschule für Landwirtschaft und Brauerei, Weihenstephan
1957  Construction of research reactor ("atomic egg"), first TUM institution in Garching
1967  Founding of TUM School of Medicine
1970  Renamed Technische Universität München
2000  Founding of TUM School of Life Sciences Weihenstephan
2004  Opening of Heinz Maier-Leibnitz neutron source
2002  Founding of Department of Sport and Health Sciences
2005  Founding of TUM School of Management
2008  Founding of TUM Asia, Singapore
2006  TUM achieves German "University of Excellence" status
2009  Founding of TUM School of Education
2010  Founding of Munich School of Engineering
2012  TUM's "University of Excellence" status renewed
2010  Founding of Munich Center for Technology in Society
2015  11th place worldwide in "Global Employability University Ranking"
       Best German university in "QS World University Ranking"
       Most innovative German university in "Reuters Top 100 World's Most Innovative Universities"