The Technische Universität München (TUM), founded in 1868, is one of the leading universities in Europe. It is distinguished by excellence in research and teaching, interdisciplinary studies, and the fostering of talent. The global trademark TUM symbolizes strong alliances with both corporations and scientific institutions. TUM is listed 47th among universities internationally and first among German universities by the Shanghai Ranking (ARWU 2011).

TUM enrolls 26,000 students in 142 degree programs. This array of disciplines is unique among European universities. The university’s main fields of study include engineering, natural sciences, medicine, and life sciences, accompanied by business and economics.

With the MUTE (=E-mobility + TUM), the Technische Universität München presents a prototype of customized and affordable electromobility of the future. Lightweight and exceptionally aerodynamic, this vehicle is distinguished by its high energy efficiency and excellent driving performance.
142 programs - 13 faculties - 3 locations

**Munich**
- Architecture
- Business studies
- Civil engineering and surveying
- Electrical engineering and information
- Medicine
- Sport sciences
- TUM School of Education

**Garching**
- Mathematics
- Physics
- Chemistry
- Mechanical engineering
- Computer science

**Freising**
- Center of Life and Food Sciences Weihenstephan (WZW)

**TUM locations**
- Munich
- Garching
- Freising
- Iffeldorf
- Obernach
- Wettzell
- Straubing
- TUM Asia Singapore

**TUM science network**
- Max-Planck-Institutes: Garching, Martinsried, Munich
- Helmholtz Zentrum München - Neuherberg
- iwbb Anwenderzentrum Augsburg
- Fraunhofer-Institutes: Holzkirchen, Freising
Europe & Russia
55 partner universities
additional 320
ERASMUS – partnerships

USA & Canada
21 partner universities

South America
14 partner universities

Africa
9 partner universities

Asia
61 partner universities

Australia & New Zealand
8 partner universities

Europe
Danmarks Tekniske Universitet
Kopenhagen - DTU
Technische Universiteit
Eindhoven - TU/e
École polytechnique fédérale
de Lausanne - EPFL

USA
Stanford University
Georgia Institute of
Technology

Asien
National University of
Singapore - NUS
Nanyang Technological
University Singapore - NTU

Liaison Office
Peking, China
**Students & Programs**

**Students**
- men: 26,302
- women: 17,579
- total: 43,881

**International students**
- total: 4,547
  - China: 775
  - Austria: 362
  - Italy: 260
  - Turkey: 249
  - Bulgaria: 204

**Programs**
- Bachelor: 142
- Master: 52
- English-language master programs: 72
- of GIST – TUM Asia Singapore: 21

**Professors**
- (including university hospital): 461
- Proportion of women: 14 %

**New appointments in 2010**
- 59

**Other teaching staff**
- (including university hospital): 5,564
- Proportion of women: 33 %

**Non-teaching staff**
- (not including university hospital): 3,032
- Proportion of women: 57 %

**Freshmen**
- 7,777

**Graduates**
- 4,199
### Research & Talent Promotion

#### Third-party income

<table>
<thead>
<tr>
<th>Description</th>
<th>2010</th>
<th>Including university hospital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collaborative Research Center</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>with spokespersons</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Doctorates</td>
<td>763</td>
<td></td>
</tr>
<tr>
<td>TUM Stiftungslehrstühle</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>Habilitations</td>
<td>62</td>
<td></td>
</tr>
<tr>
<td>TUM Patents</td>
<td>267</td>
<td></td>
</tr>
<tr>
<td>filed in 2010</td>
<td>63</td>
<td></td>
</tr>
</tbody>
</table>

#### Total budget

<table>
<thead>
<tr>
<th>Description</th>
<th>2010</th>
<th>Including university hospital</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Bavaria</td>
<td>452,2 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Third-party income</td>
<td>243,3 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Earnings</td>
<td>338,8 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Tuition fees</td>
<td>17,7 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td><strong>Fundraising</strong></td>
<td>189,4 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Industry</td>
<td>96,1 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Endowments</td>
<td>48,5 Mio. Euro</td>
<td></td>
</tr>
<tr>
<td>Private individuals</td>
<td>44,8 Mio. Euro</td>
<td></td>
</tr>
</tbody>
</table>

#### Budget

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td><strong>Total budget</strong></td>
<td>1,052,0 Mio. Euro</td>
</tr>
<tr>
<td>TUM Stiftungslehrstühle</td>
<td>23</td>
</tr>
<tr>
<td>Habilitations</td>
<td>9</td>
</tr>
<tr>
<td>TUM Patents</td>
<td>23</td>
</tr>
<tr>
<td>filed in 2010</td>
<td>63</td>
</tr>
</tbody>
</table>
13 Nobel Prize Winners have been generated by 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

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

**Carl von Linde** (1842-1934)  
Professor at TU München  
Inventor of refrigerating machine

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

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

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

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

**Willy Messerschmitt** (1898-1978)  
German aircraft engineer

**Heinz Meier 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 Spiderwebs

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

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

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

**Robert Huber** (* 1937)  
1988 Nobel Prize in Chemistry
### History

- **1868** Foundation of Polytechnische Hochschule München by King Ludwig II
- **1877** Renamed Technische Hochschule München
- **1901** Granted right to award doctorates
- **1930** Integration of Hochschule für Landwirtschaft und Brauerei
- **1957** Construction of Munich’s research reactor (“atomic egg”)
- **1967** Foundation of Faculty of Medicine
- **1970** Renamed Technische Universität München
- **2000** Foundation of Center of Life and Food Sciences Weihenstephan (WZW)
  - Foundation of Central Institute of Medical Engineering
- **2002** Foundation of Faculty of Sport Sciences
  - Foundation of TUM Business School
  - Foundation of German Institute of Science and Technology (GIST) – TUM Asia Singapore
- **2003** Foundation of Nutrition and Food Research Center
- **2004** Opening of Heinz Maier-Leibnitz neutron source
- **2005** Foundation Institute of Advanced Study (IAS)
- **2006** TUM achieves German “University of Excellence“ status
- **2009** Foundation of TUM School of Education
  - Foundation of TUM Graduate School
- **2010** Foundation TUM University Foundation

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