Ring laser at the Geodetic Observatory which measures the earth's rotation
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.
Departments & Integrative Research Centers

Munich
- Architecture
- Civil, Geo and Environmental Engineering
- Electrical and Computer Engineering
- Sport and Health Sciences
- TUM School of Education
- TUM School of Governance
- TUM School of Management
- TUM School of Medicine
- Munich Center for Technology in Society

Garching
- Chemistry
- Informatics
- Mathematics
- Mechanical Engineering
- Physics
- Munich School of BioEngineering
- Munich School of Engineering
- TUM Institute for Advanced Study

Freising
- TUM School of Life Sciences
  Weihenstephan
Further Locations in Bavaria

- Straubing Center of Science
- TUM Science & Study Center Raitenhaslach
- Geodetic Observatory Wettzell
- iwb Anwenderzentrum Augsburg
- Environmental Research Station Schneefernerhaus, Zugspitze
- Hydraulic Engineering Laboratory, Obernach
- Limnological Research Station, Iffeldorf
- Ludwig Bölkow Campus, Taufkirchen
- Schülerforschungszentrum Berchtesgadener Land
- Freising
- Garching
- Munich
North America
22 partner universities

Central and South America
22 partner universities

Europe
36 partner universities and 320 Erasmus partnerships
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
• Technical University of Munich – TUM

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

Africa
10 partner universities

Asia
61 partner universities

Australia & New Zealand
11 partner universities
Students develop a purifier with moss
Students & Programs

40,124 Students
among these
34 % Women

9,661 International Students
among these
1,221 China
789 Austria
625 Italy
624 Turkey
617 India

167 Programs
among these
44 Bachelor
105 Master
35 English-language programs

7 Programs at TUM Asia in Singapore

8,692 Graduates 2016

62,941 Members of Alumni Network

TUM Members

545 Professors
(including university hospital)
among these
17 % from abroad
18 % Women
72 on Tenure Track

35 New appointments 2016
among these
43 % from institutions abroad

6,346 Research and teaching staff
(including university hospital)
among these
20 % from abroad
35 % Women

3,249 Other staff
(not-including university hospital)
among these
59 % Women

Data as of Dec. 1, 2016, unless otherwise stated
Research & Technology Transfer

6,985 Publications in scientific journals 2016
(Source: Scopus database)

1,032 Doctorates 2016

25 Participation in DFG Collaborative Research Centers (SFBs)
  among these
  7 SFBs with TUM spokespersons

10 European Research Council Grants 2016

59 Patents first filed in 2016

64 Spin-off companies 2016

Data as of March 31, 2017, unless otherwise stated
Budget

1,329.0 M euros  Total budget 2015
   (including university hospital)
   thereof
606.2 M euros  State of Bavaria
437.8 M euros  Revenue
285.0 M euros  Raised external funds

285.0 M euros  Raised external funds
   thereof
90.1 M euros  DFG
53.2 M euros  German Federal Government
46.4 M euros  Private enterprise
31.3 M euros  Other private donors
25.1 M euros  State of Bavaria
20.0 M euros  EU
11.8 M euros  Foundations
  7.1 M euros  Founders of endowed professorships
13 TUM professors and alumni have been honored with a Nobel Prize, 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
Famous Scientists & Inventors

**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 compressionignition 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 Bavaria’s King Ludwig II founds the Polytechnische Schule München as a catalyst to industrialization

1877 Renamed Technische Hochschule München (THM)

1900 The THM is already international: more than 20 percent of its students come from abroad.

1930 Integration of the Hochschule für Landwirtschaft und Brauerei (College of Agriculture and Brewing), Weihenstephan

1957 Construction of the Munich research reactor, the beginnings of the present-day Garching research campus

1970 Renamed Technische Universität München (TUM)

2000 New campus for Life Sciences in Weihenstephan

2002 TUM Asia in Singapore: first campus of a German university abroad

2005 TUM Institute for Advanced Study (IAS): freedom for particularly innovative and high-risk research

2006 TUM designated a University of Excellence (renewed 2012)

2009 Launch of the Integrative Research Centers: interdisciplinary organization of research on future-oriented fields

2012 Munich Center for Technology in Society: new focus on “Technology and Society”. In 2014 TUM becomes the host university of the Bavarian School of Public Policy

2016 For the first time enrollment at TUM exceeds 40,000, a 100 percent increase within 15 years
Ranked 8th worldwide in the Global Employability University Ranking
Best German university in the Shanghai Ranking and the QS World University Ranking
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Publishing Details

Publisher:
Corporate Communications Center / TUM

Editorial work: Klaus Becker / TUM

Photos: Astrid Eckert, Wolfgang Filser, Andreas Heddergott / TUM

Layout: ediundsepp Gestaltungsgesellschaft, Munich

printed by: Walch, Augsburg
April 2017