TUM combines top-class facilities for cutting-edge research with unique learning opportunities for students. TUM scientists are committed to finding solutions to the major challenges facing society as we move forward:

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

TUM thinks and acts with an entrepreneurial spirit. Its aim is ambitious: to create lasting value for society through excellence in education and research, the active promotion of next-generation talent and a strong entrepreneurial spirit. All of which combine to make TUM one of Europe’s leading universities.
154 programs - 13 departments - 3 locations

**Munich**
- Architecture
- Civil, Geo and Environmental Engineering
- Electrical, Electronic and Computer Engineering
- TUM School of Medicine
- Sport and Health Sciences
- TUM School of Education
- TUM School of Management

**Freising**
- TUM School of Life Sciences Weihenstephan

**Garching**
- Chemistry
- Informatics
- Mathematics
- Mechanical Engineering
- Physics

**TUM science network**
- Max Planck Institutes: Garching, Martinsried, Munich
- Helmholtz Zentrum München
- iwb Anwenderzentrum Augsburg
- Fraunhofer Institutes: Holzkirchen, Freising

**TUM locations**
- Munich
- Garching
- Freising
- Iffeldorf
- Obernach
- Straubing
- Wettzell
- Singapore: TUM Asia
- Beijing
- Brussels
- Cairo
- Mumbai
- São Paulo
TUM International

Selected Cooperations

North America
18 partner universities

Europe
44 partner universities
additional 317 ERASMUS partnerships

Asia
64 partner universities

Central and South America
21 partner universities

Africa
12 partner universities

Australia & New Zealand
7 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
### Students & Programs

#### Students
- **men**: 24,078
- **women**: 11,901

#### International students
1. **China**: 1,057
2. **Austria**: 585
3. **Italy**: 421
4. **India**: 415
5. **Turkey**: 405

#### Programs
- **154** programs among these
  - Bachelor: 42
  - Master: 95
  - English-language master and PhD: 23
- **Programs at TUM Asia in Singapore**: 5

#### Newly enrolled students: 11,673

#### Graduates: 7,113

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### TUM Members

#### Professors
(including university hospital)
- **501** professors
  - Proportion of women: 16 %

#### New appointments 2013
- **29** new appointments

#### Other teaching staff
(including university hospital)
- **6,168** other teaching staff
  - Proportion of women: 33 %

#### Non-teaching staff
(not-including university hospital)
- **3,232** non-teaching staff
  - Proportion of women: 58 %

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Data as of Dec. 1, 2013
Research & Talent Promotion

Budget

Third-party income (2013 | including university hospital) 295,3 Mio. Euro
from Deutsche Forschungsgemeinschaft 80,5 Mio. Euro

Collaborative Research Center 23
with spokespersons 8
Doctorates 964
Habilitations 50
TUM patents filed in 2013 257

Total budget (2013 | including university hospital) 1.203,1 Mio. Euro
State of Bavaria 499,7 Mio. Euro
Third-party income 295,3 Mio. Euro
Earnings 393,1 Mio. Euro
Tuition fees 15,0 Mio. Euro

Fundraising (since 1998) 226,1 Mio. Euro
Industry 115,3 Mio. Euro
Endowments 55,7 Mio. Euro
Private individuals 55,1 Mio. Euro
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)
Inventor of refrigerating machine
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
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 TUM School of Medicine
1970 Renamed Technische Universität München
2000 Foundation of TUM School of Life Sciences Weihenstephan
       Foundation of Central Institute of Medical Engineering
2002 Foundation of Department of Sport and Health Sciences
       Foundation of German Institute of Science and Technology - TUM Asia, Singapore
2003 Foundation of Nutrition and Food Research Center
2004 Opening of Heinz Maier-Leibnitz neutron source
2005 Foundation of Institute for 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 of TUM University Foundation
2012 TUM renewed "University of Excellence" status