



TUM

Technische Universität München

Arcisstraße

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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.

## Faculties

**151 programs - 13 faculties - 3 locations**

### Munich

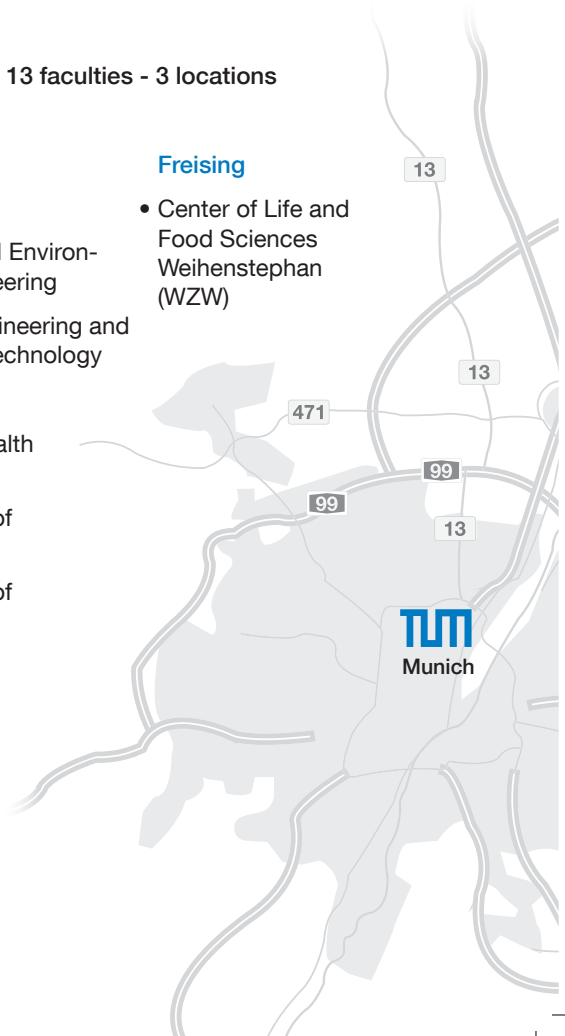
- Architecture
- Civil, Geo and Environmental Engineering
- Electrical Engineering and Information Technology
- Medicine
- Sport and Health Sciences
- TUM School of Education
- TUM School of Management

### Garching

- Chemistry
- Informatics
- Mathematics
- Mechanical Engineering
- Physics

### Freising

- Center of Life and Food Sciences Weihenstephan (WZW)



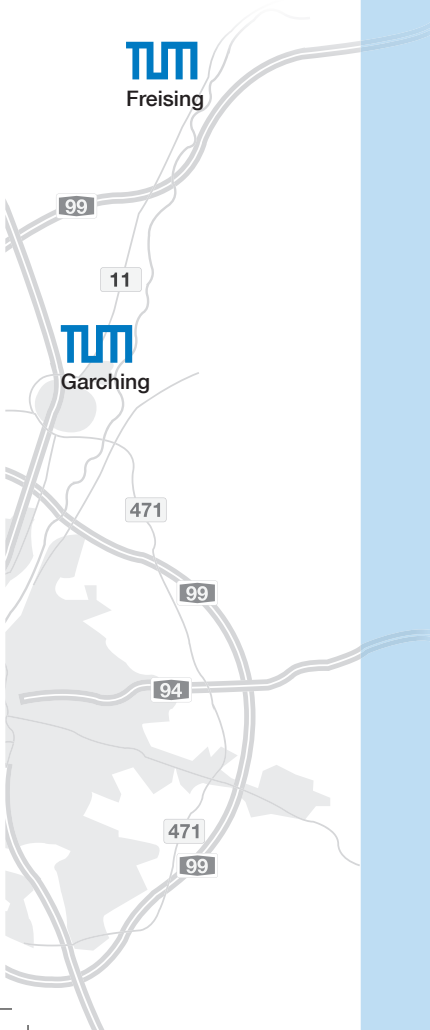
## Locations & Networks

### 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
- Wetzell
  
- Singapore: TUM Asia
- Beijing
- Brussels
- Cairo
- Mumbai
- São Paulo



**USA &  
Canada**

22 partner  
universities

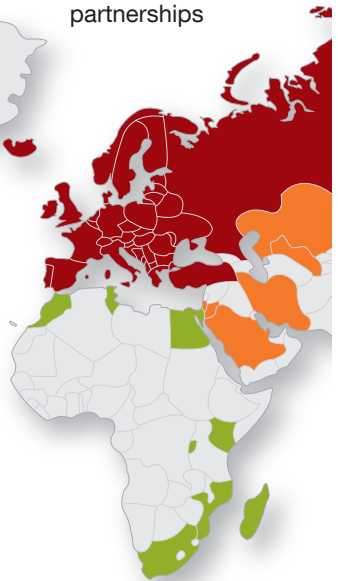


**South America**

19 partner  
universities

**Europe & Russia**

56 partner  
universities  
additional 317  
ERASMUS –  
partnerships



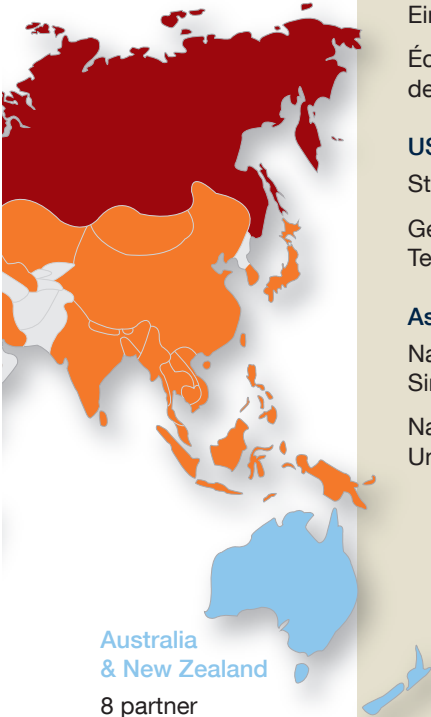
**Africa**

12 partner  
universities

## Selected Cooperations

### Asia

70 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

## Students & Programs

<b>Students</b>	<b>32.547</b>
men	21.860
women	10.687

<b>International students</b>	<b>5.871</b>
1. China	913
2. Austria	477
3. Turkey	341
4. Italy	338
5. Spain	255

<b>Programs</b>	<b>151</b>
Bachelor	42
Master	93
English-language master programs of TUM Asia, Singapore	21
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Freshmen	10.012
Graduates	6.275



Data as of Dec. 1, 2012

## TUM Members



**Professors**  
(including university  
hospital) **507**

Proportion of women 16 %

**New appointments  
2012** **44**

**Other teaching staff**  
(including university  
hospital) **6.037**

Proportion of women 33 %

**Non-teaching staff**  
(not-including  
university hospital) **3.189**

Proportion of women 58 %



## Research & Talent Promotion

### Third-party income

(2012 | including university hospital)  
from Deutsche Forschungs-  
gemeinschaft

**276,0 Mio. Euro**

76,0 Mio. Euro

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Collaborative Research Center with spokespersons	26 8
Doctorates	885
Habilitations	49
TUM patents filed in 2012	289 35



## Budget

<b>Total budget</b> (2012   including university hospital)	<b>1.169,7 Mio. Euro</b>
State of Bavaria	474,1 Mio. Euro
Third-party income	276,0 Mio. Euro
Earnings	390,1 Mio. Euro
Tuition fees	29,5 Mio. Euro

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<b>Fundraising</b> (since 1998)	<b>217,1 Mio. Euro</b>
Industry	111,9 Mio. Euro
Endowments	56,9 Mio. Euro
Private individuals	48,3 Mio. Euro



## TUM Nobel Prize Winners

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  
spiderwebs

## 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 School of Management  
Foundation of German Institute of Science and Technology
- 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

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