



Technische Universität München

Facts & Figures 2014





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.

Departments

154 programs - 13 departments - 3 locations

Munich

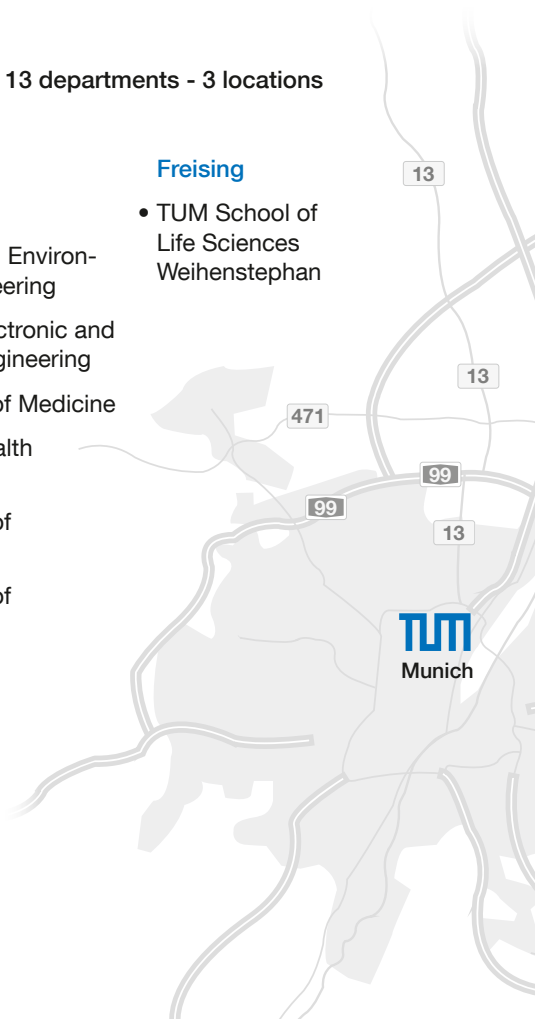
- Architecture
- Civil, Geo and Environmental Engineering
- Electrical, Electronic and Computer Engineering
- TUM School of Medicine
- Sport and Health Sciences
- TUM School of Education
- TUM School of Management

Garching

- Chemistry
- Informatics
- Mathematics
- Mechanical Engineering
- Physics

Freising

- TUM School of Life Sciences
Weihenstephan





The map shows the TUM campus in Freising at the top and the TUM campus in Garching below it. Major roads are marked with numbers in boxes: 99, 11, 471, 94, and 99. The TUM logo is present at both locations.

TUM
Freising

TUM
Garching

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

North America

18 partner
universities

Europe

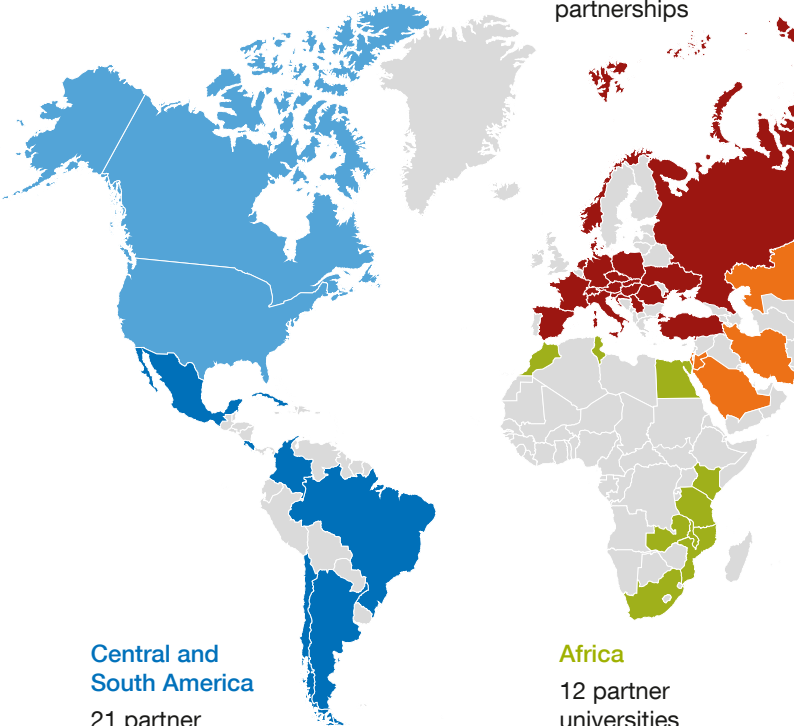
44 partner
universities
additional 317
ERASMUS –
partnerships

**Central and
South America**

21 partner
universities

Africa

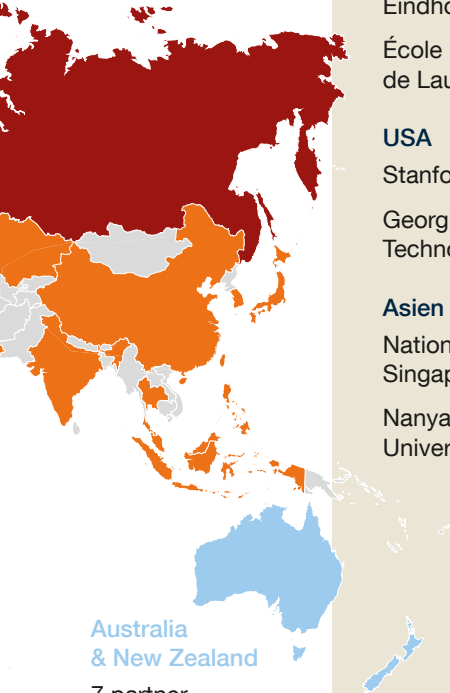
12 partner
universities



Selected Cooperations

Asia

64 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	35.979
men	24.078
women	11.901

International students	7.203
1. China	1.057
2. Austria	585
3. Italy	421
4. India	415
5. Turkey	405

Programs	154
<i>among these</i>	
Bachelor	42
Master	95
English-language master and PhD	23

Programs at TUM Asia in Singapore	5
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Newly enrolled students	11.673
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Graduates	7.113
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TUM Members

Professors
(including university
hospital) **501**

Proportion of women 16 %

**New appointments
2013** **29**

Other teaching staff
(including university
hospital) **6.168**

Proportion of women 33 %

Non-teaching staff
(not-including
university hospital) **3.232**

Proportion of women 58 %

Research & Talent Promotion

Third-party income

(2013 | including university hospital)
from Deutsche Forschungs-
gemeinschaft

295,3 Mio. Euro

80,5 Mio. Euro

Collaborative Research Center with spokespersons	23 8
Doctorates	964
Habilitations	50
TUM patents filed in 2013	257 15



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



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
spider silk

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 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

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