



FACTS AND FIGURES

Technische Universität Berlin – an overview

FACTS AND FIGURES

Student Enrollment Statistics

June/2016

Total	32 508
Male	21 842 (67,2 %)
Female	10 666 (32,8 %)
Foreign nationals	6 611 (20,3 %)
First matriculations ^{1,4}	921 (2,9 %)
New matriculations ^{2,4}	1 982 (6,1 %)
First subject-semester students ^{3,4}	2 820 (8,7 %)

- 1 First matriculations are students enrolled for the first time at a German university.
- 2 New matriculations are students who have transferred from other universities or have rematriculated after a pause.
- 3 First subject-semester students are those in the first semester of a study program; this may include not only first matriculations, but also students who have switched from other disciplines.
- 4 Spring 2016

Some 6611 of the students at the TU Berlin are from foreign countries. The following is a list of countries, from where most of the foreign students originate:

- PR of China 810 (12,3 %)
- Turkey 524 (7,9 %)
- Poland 331 (5,0 %)
- Russia 281 (4,3 %)
- Vietnam 278 (4,2 %)

Staff

March/2016

Professors	338
Junior Professors	16
Research associates	2598
Externally funded employees	3068
Administration personnel	2131
Apprentices	126 in 15 professions

Budget

May/2016

	2012	2013	2014	2015	2016
State fundig ¹	284,4	287,6	295,7	302,6	310,0
Esternal funding ¹	159,6	174,0	178,9	177,5	

1 in million of Euro

Area of TU Berlin

May/2016

The grounds of TU Berlin cover an area of 604,000 square meters all over the city.

Habilitations

May 2016

	2011	2012	2013	2014	2015
Total	17	15	15	12	15
Female only	6 (35,3 %)	6 (40 %)	2 (13,3 %)	1 (0,12 %)	0

Doctoral degrees

May 2016

	2011	2012	2013	2014	2015
Total	480	461	476	517	513
Female only	156 (32,5 %)	139 (30,1 %)	153 (32,1 %)	154 (29,8 %)	157 (30,0 %)

Patent Portfolio

May 2016

	2011	2012	2013	2014	2015
DE* Applications	18	22	12	18	18
DE* granted	4	4	4	2	3
Applications PCT/EPC**	52	57	36	42	40
Grants PCT/EPC**	13	9	14	16	14

* Patent Applications in Germany

** International Applications under the Patent Cooperation Treaty (PCT) or Regional Applications under the European Patent Convention (EPC)

Distribution of Students by Discipline

June 2016

Subjects	Number of Students		
	male	female	total
Engineering Sciences	16 641 (72,2 %)	6 403 (27,8 %)	23 044 (70,9 %)
Mathematics and Natural Sciences	3 658 (63,7 %)	2 088 (36,3 %)	5 746 (17,7 %)
Law, Business and Social Sciences	823 (45,1 %)	1 002 (54,9 %)	1 825 (5,6 %)
Linguistics, Cultural Studies	720 (38,0 %)	1 173 (62,0 %)	1 893 (5,8 %)
Total	21 842 (67,2 %)	10 666 (32,8 %)	32 508 (100 %)

Distribution of professors by discipline

April 2016

Subjects	Numbers of professors
Engineering Sciences	203 (63,4 %)
Mathematics and Natural Sciences	81 (25,3 %)
Law, Business and Social Sciences	17 (5,3 %)
Linguistics, Cultural Studies	17 (5,3 %)
Other	2 (0,6 %)

FACULTIES AND DEPARTMENTS

Faculty I Humanities

Straße des 17. Juni 135, 10623 Berlin, Sekr. H 36

+49 (0) 30 314-2 21 43
info@fsc1.tu-berlin.de

+49 (0) 30 314-2 46 20
www.tu-berlin.de/?id=59086

- Department of Philosophy, Literary Science, History of Science and Technology
- Department of Art History and Historical Urbanistics
 - Center for Metropolitan Studies
- Department of Educational Science
- Department of Language and Communication
- Department of Vocational Training and Prevocational Education
- Centre for the Study of Anti-Semitism
- Centre for Interdisciplinary Women's and Gender Studies
 - Techno-Club

Faculty II Mathematics and Natural Sciences

Marchstraße 6, 10587 Berlin, Sekr. BEL 1

+49 (0) 30 314-2 37 59
wisniewski@fakii.tu-berlin.de

+49 (0) 30 314-2 17 54
www.tu-berlin.de/?id=2492

- Department of Chemistry
 - Cluster of Excellence „Unifying Concepts in Catalysis“ (UniCat)
- Department of Mathematics
 - DFG Research Center MATHEON - Mathematics for Key Technologies
 - Einstein Center for Mathematics
 - Graduate School Berlin Mathematical School (BMS)
- Department of solid-state physics
- Department of Optics and Atomic Physics
- Department of Theoretical Physics
- Centre of Astronomy and Astrophysics

Faculty III Process Sciences

Straße des 17. Juni 136, 10623 Berlin, Sekr. H 88

+49 (0) 30 314-2 41 02
gaebel@tu-berlin.de

+49 (0) 30 314-2 59 65
www.tu-berlin.de/?id=36

- Department of Biotechnology
- Department of Energy Engineering
- Department of Food Technology and Food Chemistry
- Department of Process Engineering
- Department of Environmental Technology
- Department of Material Sciences and Technologies

Faculty IV
Electrical Engineering
and Computer Sciences

Marchstraße 23, 10587 Berlin, Sekr. MAR 6-1

+49 (0) 30 314-7 32 11

berit.dannenberg@tu-berlin.de

+49 (0) 30 314-2 17 39

www.tu-berlin.de/?id=115

- Department of Energy and Automation Technology
- Department of High-Frequency and Semiconductor Systems Technologies
- Department of Telecommunication Systems
- Department of Computer-Engineering and Microelectronics
- Department of Software Engineering and Theoretical Computer Science
- Department of Commercial Information Technology and Quantitative Methods

Faculty V
Mechanical Engineering
and Transport Systems

Straße des 17. Juni 135, 10623 Berlin, Sekr. H 11

+49 (0) 30 314-2 22 05

matthias.reyer@tu-berlin.de

+49 (0) 30 314-2 22 57

www.tu-berlin.de/?id=2573

- Department of Fluid Mechanics and Technical Acoustics
- Department of Psychology and Ergonomics
- Department of Land and Sea Transport Systems
- Department of Aeronautics and Astronautics
- Department of Engineering Design, Micro and Medical Technology
- Department of Machine Tools and Factory Management
- Department of Mechanics

Faculty VI
Planning – Building –
Environment

Straße des 17. Juni 152, 10623 Berlin, Sekr. A 1

+49 (0) 30 314-2 18 15

christoph.roesrath@tu-berlin.de

+49 (0) 30 314-2 18 14

www.tu-berlin.de/?id=2630

- Department of Architecture
- Department of Applied Geosciences
- Department of Civil Engineering
- Department of Geodesy and Geographic Information Technology
- Department of Landscape Architecture and Environmental Planning
- Department of Ecology
- Department of Sociology
- Department of Urban and Regional Planning

Faculty VII
Economics and
Management

Straße des 17. Juni 135, 10623 Berlin, Sekr. H 30

+49 (0) 30 314-2 22 28

friederike.demmel@tu-berlin.de

+49 (0) 30 314-2 37 08

www.tu-berlin.de/?id=2686

- Department of Business Management
- Department of Economics and Law
- Department of Technology and Management

Central Institute
El Gouna

Fraunhoferstr. 33–36, 10587 Berlin, Sekr. FH 5-1

+49 (0) 30 314-7 57 15

info@campus-elgouna.tu-berlin.de

+49 (0) 30 314-7 57 16

www.tu-berlin.de/?id=136545

CONTACT AND ADDRESSES

President	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 22 00 p@tu-berlin.de	+49 (0) 30 314-2 67 60 www.tu-berlin.de/?id=145042
1st Vice-President for research and faculty appointment matters	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 24 33 vp-fb@tu-berlin.de	+49 (0) 30 314-2 69 59 www.tu-berlin.de/?id=145101
Vice-President for education	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 42 86 vp-sl@tu-berlin.de	+49 (0) 30 314-2 69 59 www.tu-berlin.de/?id=112181
Vice-President for international relations and teacher education	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 42 86 vp-il@tu-berlin.de	+49 (0) 30 314-2 69 59 www.tu-berlin.de/?id=145113
Chancellor	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 25 00 k@tu-berlin.de	+49 (0) 30 314-2 11 18 www.tu-berlin.de/?id=3204
Switchboard	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-0	+49 (0) 30 314-2 32 22 www.tu-berlin.de
Office for Press, Public Relations and Alumni	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 39 22 pressestelle@tu-berlin.de	+49 (0) 30 314-2 39 09 www.pressestelle.tu-berlin.de
Foreign Relations Office	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 42 67 sekretariat@abz.tu-berlin.de	+49 (0) 30 314-2 52 34 www.tu-berlin.de/abz
Central Office for Women's Affairs	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 14 38 zenfrau@zfa.tu-berlin.de	+49 (0) 30 314-2 16 22 www.tu-berlin.de/zentrale_frauenbeauftragte
Department I Student Services	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 12 51 Christina.Ortlepp@tu-berlin.de	+49 (0) 30 314-2 93 02 www.studierendenservice.tu-berlin.de
International Office	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 46 94 auslandsamt@tu-berlin.de	+49 (0) 30 314-2 40 67 www.auslandsamt.tu-berlin.de
Department V Research	Fraunhoferstraße 33–36, 10587 Berlin	+49 (0) 30 314-2 86 13 maria-bianca.weber@tu-berlin.de	+49 (0) 30 314-2 16 89 www.forschung.tu-berlin.de
University Library	Fasanenstraße. 88 (im VOLKSWAGEN-Haus), 10623 Berlin	+49 (0) 30 314-7 61 01 info@ub.tu-berlin.de	www.ub.tu-berlin.de

CONTACT AND ADDRESSES

Central IT Service Center (tubit)	Einsteinufer 17, 10587 Berlin	+49 (0) 30 314-2 80 00 tubit@tu-berlin.de	+49 (0) 30 314-2 10 60 www.tubit.tu-berlin.de
University Sports Center	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 29 48 schmidt@zeh.tu-berlin.de	+49 (0) 30 314-2 14 00 www.tu-sport.de
Center for Continuing Education and Cooperation (ZEWK)	Fraunhoferstr. 33–36, 10587 Berlin	+49 (0) 30 314-2 15 80 kontakt@zewk.tu-berlin.de	+49 (0) 30 314-2 42 67 www.zewk.tu-berlin.de
Staff Representative Council	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 29 01 personalrat@tu-berlin.de	+49 (0) 30 314-2 32 69 www.tu-berlin.de/personalrat
Society of Friends of the TU Berlin	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 37 58 Sekretariat@Freunde.TU-Berlin.de	+49 (0) 30 314-7 94 73 www.freunde.tu-berlin.de
Representative of students actively employed at the TU Berlin	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 17 24 prsb@tu-berlin.de	+49 (0) 30 314-2 17 97 www.tu-berlin.de/?id=16558
Center for Technology and Society	Hardenbergstraße 16–18, Sekr. HBS 1, 10623 Berlin	+49 (0) 30 314-2 23 65 adams@ztg.tu-berlin.de	+49 (0) 30 314-2 69 17 www.tu-berlin.de/ztg
Studienkolleg der Technischen Universität Berlin	Straße des 17. Juni 145, 10623 Berlin	+49 (0) 30 314-7 27 20 contact@studienkolleg.tu-berlin.de	+49 (0) 30 314-7 25 43 www.studienkolleg.tu-berlin.de
Modern Language Centre	Hardenbergstraße 16–18, Sekr. HBS 3, 10623 Berlin	+49 (0) 30 314-2 30 82 sekretariat@tu-berlin.de	+49 (0) 30 314-2 16 17 www.zems.tu-berlin.de
Career Service	Hardenbergstraße 36 a (Ernst-Ruska-Gebäude)	+49 (0) 30 314-2 26 81 career@tu-berlin.de	+49 (0) 30 314-2 87 89 www.career.tu-berlin.de
Service Center for Teacher Education	Marchstraße 23, Sekr. MAR 1-3/SzL	+49 (0) 30 314-2 46 25 buero@lehrkraeftebildung.tu-berlin.de	+49 (0) 30 314-7 94 02 www.lehrkraeftebildung.tu-berlin.de
Family Service Office	Straße des 17. Juni 135, 10623 Berlin	+49 (0) 30 314-2 56 93 familienbuero@zuv.tu-berlin.de	+49 (0) 30 314-2 98 61 www.personalabteilung.tu-berlin.de/familie
Centre for Entrepreneurship	Hardenbergstraße 38, 10623 Berlin	+49 (0) 30 314-2 83 77 info@gruendung.tu-berlin.de	+49 (0) 30 314-2 40 87 www.tu-berlin.de/?id=122003

CURRICULA AND COURSES

Degree Courses at the TU Berlin

The TU Berlin offers 40 degree courses, 63 master's degrees, 15 advanced master's degrees, 16 international master's degrees and four other degree programs.

- Orientation Courses MINT^{green} (with Certificate)

 - Bachelor and State examination**
 - Architecture **B. Sc.**
 - Automotive Engineering **B. Sc.**
 - Biotechnology **B. Sc.**
 - Brewing and Beverage Technology **B. Sc.**
 - Business Mathematics **B. Sc.**
 - Business Informatics **B. Sc.**
 - Chemistry **B. Sc.**
 - Chemical Engineering **B. Sc.**
 - Civil Engineering **B. Sc.**
 - Computer Engineering **B. Sc.**
 - Computer Science **B. Sc.**
 - Computational Engineering Science **B. Sc.**
 - Construction Engineering **B. Sc.**
 - Culture and Technology **B. A.**
 - Digital Media and Technology **B. Sc.**
 - Ecology and Environmental Planning **B. Sc.**
 - Economics **B. Sc.**
 - Electrical Engineering **B. Sc.**
 - Electrical Engineering **B. Sc.** (L)
 - Energy Engineering and Process Engineering **B. Sc.**
 - Engineering Science **B. Sc.**
 - Environmental Science and Technology **B. Sc.**
 - Food Chemistry **S**
 - Food Technology **B. Sc.**
 - Geotechnology **B. Sc.**
 - Industrial Engineering and Management **B. Sc.**
 - Information Technology **B. Sc.**
 - Landscape Architectur **B. Sc.**
 - Landscape Engineering **B. Sc.** (L)
 - Landscape Engineering/Agricultural and Horticultural Sciences **B. A.** (L)
 - Landscape Planning and Landscape Architecture **B. Sc.**
 - Materials Science **B. Sc.**
 - Mathematics **B. Sc.**
 - Mechanical Engineering **B. Sc.**
 - Media Technology **B. Sc.**
 - Natural Sciences in the Information Society **B. Sc.**
 - Nutrition and Food Science **B. Sc.** (L)
 - Physics **B. Sc.**
 - Prevocational Education **B. A.**
 - Sociology and Technology Studies **B. A.**
 - Structural Engineering **B. Sc.**
 - Sustainable Management **B. Sc.**
 - Technomathematics **B. Sc.**
 - Transport Systems **B. Sc.**
 - Urban and Regional Planning **B. Sc.**

 - Degrees**
 - B. Sc.**
 - Bachelor of Science
 - B. A.**
 - Bachelor of Arts
 - L**
 - Bachelor program for Technical Teacher Education
 - S**
 - State examination (only Food Chemistry)
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Master	■ Aeronautics and Astronautics M. Sc.
	■ Agricultural and Horticultural Sciences M. Ed.
Degrees	■ Architecture M. Sc.
M. Sc.	■ Art History M. A.
Master of Science	■ Audio Communication and Technology M. Sc.
M. A.	■ Automotive Systems M. Sc.
Master of Arts	■ Biological Chemistry M. Sc.
M. Ed.	■ Biomedical Engineering M. Sc.
Master of Education	■ Biotechnology M. Sc.
E	■ Brewing and Beverage Technology M. Sc.
international, english Courses	■ Building Energy Engineering M. Sc.
	■ Business Mathematics M. Sc.
	■ Chemistry M. Sc.
	■ Chemical Engineering M. Sc.
	■ Civil Engineering M. Sc.
	■ Computational Engineering Science M. Sc.
	■ Computational Neuroscience M. Sc. E
	■ Computer Engineering M. Sc.
	■ Computer Science M. Sc.
	■ Conservation of Monuments, Historic Buildings and Sites M. Sc.
	■ Construction Engineering M. Ed.
	■ Educational Sciences - Consulting and Organizational Development M. A.
	■ Electrical Engineering M. Sc.
	■ Electrical Engineering M. Ed.
	■ Energy Engineering and Process Engineering M. Sc.
	■ Engineering Science M. Sc.
	■ Environmental Planning M. Sc. E
	■ Environmental Policy & Planning M. Sc. E
	■ Environmental Science and Technology M. Sc.
	■ Food Technology M. Sc.
	■ Geodesy and Geoinformation Science M. Sc. E
	■ Geotechnology M. Sc.
	■ German as a Foreign Language M. A.
	■ History and Culture of Science and Technology M. A.
	■ Historical Urban Studies M. A.
	■ Human Factors M. Sc.
	■ ICT Innovation (Double degree) E
	■ Industrial and Network Economics (MINE) M. Sc. E
	■ Industrial Engineering and Management M. Sc.
	■ Information Systems Management M. Sc.
	■ Innovation Management and Entrepreneurship M. Sc. E
	■ Interdisciplinary Research of Anti-Semitism M. A.
	■ Language and Communication M. A.
	■ Landscape Architecture M. Sc.
	■ Landscape Engineering M. Ed.
	■ Materials Science M. Sc.
	■ Mathematics M. Sc.
	■ Mechanical Engineering M. Sc.
	■ Mechanical Engineering M. Ed.
	■ Media Studies M. A.
	■ Naval Architecture and Ocean Engineering M. Sc.
	■ Nutrition and Food Science M. Ed.
	■ Philosophy of Knowledge and Science M. A.
	■ Physics M. Sc.
	■ Polymer Science M. Sc.
	■ Prevocational Education M. Ed.
	■ Process Energy and Environmental Systems Engineering/PEESE M. Sc. E
	■ Production Engineering M. Sc.

CURRICULA AND COURSES

- Renewable Energy Systems **M. Sc.**
- Scientific Computing **M. Sc.**
- Sociology and Technology Studies **M. A.**
- Statistics **M. Sc.**
- Structural Engineering **M. Ed.**
- Technomathematics **M. Sc.**
- Transportation Planning and Operation **M. Sc.**
- Urban and Regional Planning **M. Sc.**
- Urban Design **M. Sc.**
- Urban Ecosystem Science **M. Sc.**
- Vehicle Engineering **M. Sc.**

International consecutive Master's Programs

- Computational Neuroscience
- Computer Science
- Environmental Planning (Umweltplanung)
- Environmental Policy and Planning
- Geodesy and Geoinformation Science
- ICT Innovation
- Industrial and Network Economics
- Innovation Management and Entrepreneurship
- Information Systems Management
- Polymer Science
- Process Energy and Environmental Systems Engineering
- Scientific Computing

International Continuing Education Master's Programs

- Energy Engineering
- Energy Management
- European and International Energy Law
- Global Production Engineering
- Space Engineering
- Urban Development
- Urban Management
- Water Engineering

Continuing Education Master's Programs

- Building Sustainability – Management Methods for Energy Efficiency
- Energy-efficient urban transportation systems
- Energy Engineering
- Energy Management
- Epidemiologie, Public Health
- European and International Energy Law
- European Studies
- Global Production Engineering
- Real Estate Management
- Science Marketing
- Space Engineering
- Stage Design and Scenography
- Urban Development
- Urban Management
- Water Engineering

Further Study Options

- Berlin Model: Training for Post-Career Activities (BANA)
 - Food Chemistry
 - HTAonline (Health Technology Assessment)
 - Summer-School-Program
-

Joint Degree Programs

Joint degree programs exist with 24 partner universities.
The following joint degrees are awarded by the TU Berlin.

May 2016

- | | |
|-----------------------------------|--|
| France | <ul style="list-style-type: none"> ■ CentraleSupélec Chatenay-Malabry, Paris: Industrial Engineering and Management, M.Sc, Computer Science, M.Sc., Computer Engineering, M.Sc., Mechanical Engineering, M.Sc., Renewable Energy Systems, M.Sc. and Transport Systems, M.Sc. ■ CentraleSupélec Gif sur Yvette: Computer Engineering, M.Sc. and Electrical Engineering, M.Sc. ■ École Centrale de Lille: Computer Engineering, M.Sc., Computer Science, M.Sc., Mechanical Engineering, M.Sc., Renewable Energy Systems, M.Sc. and Transport Systems, M.Sc. ■ École Centrale de Lyon: Computer Engineering, M.Sc., Computer Science, M.Sc., Mechanical Engineering, M.Sc., Renewable Energy Systems, M.Sc. and Transport Systems, M.Sc. ■ École Centrale Marseille: Computer Engineering, M.Sc., Computer Science, M.Sc., Mechanical Engineering, M.Sc., Renewable Energy Systems, M.Sc. and Transport Systems, M.Sc. ■ École Centrale de Nantes: : Computer Engineering, M.Sc., Computer Science, M.Sc., Mechanical Engineering, M.Sc., Renewable Energy Systems, M.Sc. and Transport Systems, M.Sc. ■ Group École Supérieure de Commerce de Toulouse (ESCT): Industrial Engineering and Management, M. Sc. ■ École Nationale Supérieure de l'Électronique et de ses Applications / ENSEA, Cergy: Electrical Engineering, M.Sc. |
| Poland | <ul style="list-style-type: none"> ■ Warsaw University of Technology, Warsaw: Computer Engineering, M.Sc. |
| Russia | <ul style="list-style-type: none"> ■ Tomsk Polytechnic University (TPU): Engineering Science, M.Sc. |
| Serbia | <ul style="list-style-type: none"> ■ University of Niš, Niš: Engineering Science, M.Sc. |
| Argentina | <ul style="list-style-type: none"> ■ Universidad de Buenos Aires, Buenos Aires: Urban and Regional Planning, Urban Planning and Mobility, M.Sc. |
| Brazil | <ul style="list-style-type: none"> ■ UFRGS– Universidade Federal do Rio Grande do Sul, Porto Alegre: Computer Science, B.Sc. |
| Chile | <ul style="list-style-type: none"> ■ Pontificia Universidad Católica de Santiago de Chile: Architecture, M. Sc./Licenciado and Titulo Profesional de Arquitecto (PUC) |
| People's Republic of China | <ul style="list-style-type: none"> ■ SJTU - Shanghai Jiao Tong University: Computer Science, M.Sc., Electrical Engineering, M.Sc., Computer Engineering, M.Sc., Process Energy and Environmental Systems Engineering/PEESE, M.Sc. ■ Tongji University, Shanghai: Urban Design, M. Sc., Engineering Science, M Sc., Industrial Engineering and Management M.Sc. ■ ECUST – East China University of Science and Technology, Shanghai: Engineering Science, M.Sc. ■ ZJU – Zhejiang University, Hangzhou: Communication and Language (major field of study: German as a foreign language)/ M. A. ■ Tsinghua University, Beijing: Engineering Science, M Sc. |
| South Korea | <ul style="list-style-type: none"> ■ KAIST – Korea Advanced Institute of Science and Technology, Daejeon: PEESE: Process Engineering, M.Sc., Computer Science, M.Sc., Mechanical Engineering, M.Sc., Industrial Engineering with a focus on Mechanical Engineering, M.Sc. |

Financed by the TU Berlin

May 2016

Interdepartmental priority research areas

- Center for Technology and Society (ZTG)

Further in Faculty I Humanities:

- Center for Research on Antisemitism
 - Center for Interdisciplinary Women's and Gender Studies
-

External Funding

Excellence Cluster

Speaker Institution TU Berlin

- UniCat – Unifying Concepts in Catalysis

with the participation of TU Berlin

- Research Group “Museen” at the Excellence Cluster Topoi (FU Berlin)

DFG Graduate Schools funded by the German Research Foundation (DFG) in the framework of the German “Excellence Initiative” by the German Federal and State Governments

Speaker Institution TU Berlin

- Berlin Mathematical School

with the participation of TU Berlin

- GSC Berlin School of Mind and Brain (HU Berlin)
- GSC Berlin-Brandenburg School for Regenerative Therapies (BSRT) (HU Berlin, FU Berlin)
- GSC School of Analytical Sciences Adlershof (HU Berlin)

DFG Research Center

- MATHEON – Mathematics for Key Technologies: Modelling, Simulation and Optimization of real-world Processes (involved FU Berlin, HU Berlin, Weierstrass-Institute for Applied Analysis and Stochastics and the Zuse Institute Berlin)

Collaborative Research Centers (SFB) of the DFG

Speaker Institution TU Berlin

- SFB/TRR 63: Integrated Chemical Processes in Liquid Multiphase Systems (InPROMPT)
- SFB/TRR 109: Discretization in Geometry and Dynamics
- SFB 787: Semiconductor NanoPhotonics
- SFB 910: Control of self-organizing Nonlinear Systems: Theoretical Methods and Concepts of Application
- SFB 1026: Sustainable Manufacturing
- SFB 1029: Turbln – Significant Efficiency Improvement through Targeted, Interacting Combustion and Flow Instationarities in Gas Turbines

with the participation of TU Berlin

- SFB 649: Economic Risk (HU Berlin)
- SFB 658: Elementary Processes in Molecular Switches at Surfaces (FU Berlin)
- SFB 765: Multivalency as Chemical Organisation and Action Principle: New Architectures, Functions and Applications (FU Berlin)
- SFB 951: Hybrid Inorganic/Organic Systems (HIOS) for Opto-Electronics (HU Berlin)
- SFB 1078: Protonation Dynamics for Protein Function (FU Berlin)
- SFB 1109: Understanding of Metal Oxide/Water Systems at the Molecular Scale: Structural Evolution, Interfaces, and Dissolution (HU Berlin)
- SFB 1114: Scaling Cascades in Complex Systems (FU Berlin)

- SFB/TRR 154: Mathematical Modelling, Simulation and Optimization using the Example of Gas Networks (Friedrich-Alexander-Universität Erlangen-Nürnberg)
- SFB/TRR 170: Late Accretion onto Terrestrial Planets (LATP) (FU Berlin)

DFG Research teams (FOR)

Speaker Institution TU Berlin

- FOR 1282: Controlling the Electronic Structure of Semiconductor Nanoparticles by Doping and Hybrid Formation
- FOR 1306: Stratosphere – Information Management on the Cloud
- FOR 1557: Simulation and Evaluation of Acoustical Environments (SEACEN)
- FOR 1736: Urban Climate and Heat Stress in mid-latitude Cities in view of Climate Change (UCaHS)
- FOR 2402: Rough Paths, Stochastic Partial Differential Equations and Related Topics

with the participation of TU Berlin

- FOR 741: Nanoscale Processes and Geomaterials Properties (FU Berlin)
- FOR 1136: Modelling Geotechnical Construction Processes based on a Holistic Survey of the Stress-Strain Behaviour in Soil (GeoTech) (Karlsruher Institut für Technologie (KIT))
- FOR 1277: Mobility of Lithium Ions in Solids (molife) (Leibniz Universität Hannover)
- FOR 1503: Space-Time Reference Systems for Monitoring Global Change and for Precise Navigation in Space (Universität Bonn)
- FOR 1700: Metallic nanowires on the atomic scale: Electronic and vibrational coupling in real world systems (Leibniz Universität Hannover)
- FOR 1805: Ribosome Dynamics in Regulation of Speed and Accuracy of Translation (Universität Potsdam)

DFG Post-graduate colleges (GRK)

Speaker Institution TU Berlin

- GRK 1408: Stochastic Models of Complex Processes
- GRK 1524: Self-Assembled Soft-Matter Nanostructures at Interfaces
- GRK 1558: Nonequilibrium Collective Dynamics in Condensed Matter and Biological Systems
- GRK 1589: Sensory Computation in Neural Systems
- GRK 1672: Innovation society today: The reflexive creation of novelty
- GRK 1705: The World in the City: Metropolitanism and Globalization from the 19th Century up to the Present
- GRK 2032: Urban Water Interfaces (UWI)
- GRK 2227: Identity and Heritage

with the participation of TU Berlin

- GRK 1582: Fluorine as a Key Element (FU Berlin)
- GRK 1651: Service-oriented Architectures for the Integration of Software-based Processes, exemplified by Health Care Systems and Medical Technology (SOAMED) (HU Berlin)
- GRK 1659: Interdependencies in the regulation of markets (HU Berlin)
- GRK 1845: Stochastic Analysis with Applications in Biology, Finance and Physics (HU Berlin)

UNIVERSITY RESEARCH STRUCTURE

BMBF – Joint Research Projects

Coordination TU Berlin

- Berlin Centre of Health Economics Research (Berlin HECOR)
- Software Campus
- GO-Bio 3
- INNOVATE – Interplay among Multiple Uses of Water Reservoirs via Innovative Coupling of Substance Cycles in Aquatic and Terrestrial Ecosystems
- Innovationcluster BeMobil
- Berlin Big Data Center (BBDC)
- EUREF- Research Center Mobility2Grid

with the participation of the TU Berlin

- PVcomb – Competence Centre Thin-Film- and Nanotechnology for Photovoltaics Berlin
- Light2Hydrogen (LzH) Energy for the Future/Photocatalytic Splitting of Water to Hydrogen
- Bernstein Center for Computational Neuroscience Berlin (BCCN)

EU – Joint Research Projects (Coordination TU Berlin)

- CACOMEL – Nano Carbon based components and materials for high frequency electronics
- ConTemp – Self-Learning Control of Tool Temperature in Cutting Processes
- DOPA – Data Supply Chains for Pools, Services and Analytics in Economics and Finance
- EuroDRG – Diagnosis-Related Groups in Europe: towards Efficiency and Quality
- EVARILOS – Evaluation of RF-based Indoor Localization Solutions for the Future Internet
- FIMCAR – Frontal Impact and Compatibility Assessment Research
- LPGPU – Low-Power Parallel Computing on GPUs
- MEDEO – Methods and tools for dual access to the EO databases in the EU and Russia
- METACODE – Code-engineered new-to-nature microbial cell factories for novel and safety enhanced bioproduction
- OILPULSE – Increased virgin olive Oil yield and Quality by complementing existing and new Oil mills with pulsed electric field (PEF) technology
- PATS – Privacy Awareness through Security Organisation Branding
- POPDAT – Problem-oriented Processing and Database Creation for Ionosphere Exploration
- RACE2050 – Responsible innovation Agenda for Competitive European transport industries up to 2050
- SEOCA GEO – Capacity building initiative in Central Asia
- SIAM – Security Impact Assessment Measures
- Two!Ears – Reading the World with Two Ears
- VEL-Wagon – Versatile, Efficient and Longer Wagon for European Transportation
- VISIT – Vertically Integrated Systems for Information Transfer

Innovation Centers

Innovation Centers are a research priority at the TU Berlin, involving several faculties.

- Innovation Center Energy (IZE)
- Innovation Center Human-Centric Communication (H-3C)
- Innovation Center Knowledge Research (IZW)
- Innovation Center Technologies for Health and Foods (IGE)
- Innovation Center Water in Urban Areas (WIB)
- Innovation Center Habitat Design (IGL)

Knowledge and Innovation Communities by the European Institute for Innovation and Technology (EIT)

with the participation of the TU Berlin

- Climate-KIC
- EIT ICT Labs KIC

Cooperation with Science and Research Institutions

May 2016

Cooperation with joint professorships

Institutes of the Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e. V. (FhG)

- Fraunhofer Institute for Production Systems and Design Technology (IPK)
- Fraunhofer Institute for Reliability and Microintegration (IZM)
- Fraunhofer Institute for Open Communication Systems (FOKUS)
- Fraunhofer Institute for Telecommunications, Heinrich-Hertz-Institut (HHI)

Institutes of the Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz – WGL

- Leibniz-Institute for Agricultural Engineering Potsdam-Bornim
- Leibniz Institute for Crystal Growth (IKZ), part of the Forschungsverbund Berlin e. V.
- Leibniz Institute for Regional Development and Structural Planning (IRS)
- German Institute for Economic Research, Berlin (DIW)
- Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik, Berlin (FBH), part of the Forschungsverbund Berlin e. V.
- IHP GmbH – Innovations for High Performance Microelectronics
- Leibniz Institute for Applied Geophysics – LIAG –
- Institute for Analytical Sciences (ISAS)
- Leibniz-Institute of Freshwater Ecology and Inland Fisheries, part of the Forschungsverbund Berlin e. V. (IGB)
- Max-Born-Institute for Nonlinear Optics and Short Pulse Spectroscopy, Berlin (MBI), part of the Forschungsverbund Berlin e. V.
- Potsdam Institute for Climate Impact Research e. V. (PIK)
- Weierstrass Institute for Applied Analysis and Stochastics, Berlin (WIAS), part of the Forschungsverbund Berlin e. V.
- Social Science Research Center Berlin gGmbH (WZB)

Helmholtz Association of German Research Centers (HGF)

- German Aerospace Center (DLR)
- German Research Centre for Geosciences
- Helmholtz-Zentrum Berlin für Materialien und Energie – (HZB)

Further research institutions

- Federal Institute for Materials Research and Testing (BAM)
- Zuse-Institute Berlin (ZIB)
- Max-Planck-Institut für Plasmaphysik – IPP – member of the Max Planck Society for the Advancement of Science

Strategic Partnerships

- Berlin Laboratory for innovative X-ray Technologies – BLIX – Max-Born-Institute for Nonlinear Optics and Short Pulse Spectroscopy, Berlin; in interdepartmental cooperation
- Berlin School of Public Health – BSPH –
- Beuth University of Applied Science
- Berlin Centre for Higher Education
- Einstein Center for Mathematics Berlin – ECMath –
- Geisteswissenschaftliche Zentren Berlin e. V. – GWZ Berlin –
- Geo.X The coordination platform
- HTW University of Applied Science
- Berlin Mathematical School – BMS –

Cooperation with Business

Strategic cooperations

- Aerospace Institute – AI –
- be Space GmbH
- BerlinCert – Institute for Testing and Certification of Medical Devices
- Berlin Partner GmbH
- Beuth University of Applied Sciences/Hochschule für Technik und Wirtschaft
- Bosch and Siemens Home Appliances Group
- Center for Knowledge Interchange (CKI) - Siemens AG
- Charlottenburger Innovations-Centrum – CHIC –
- DFKI German Research Center for Artificial Intelligence gGmbH
- DIN German Institute for Standardization
- EvoLogics GmbH
- UniCat BASF Joint Laboratory – BASF SE –
- IAT Ingenieurgesellschaft für Automobiltechnik mbH
- Institute for Education in the Information Society
- Institute of Railway Technology
- Kiwa MPA Bautest GmbH, Berlin-Brandenburg – MPA –
- Lufthansa Flight Training GmbH – LFT –
- MANA Diesel & Turbo SE
- Orascom Hotels & Development
- Sawiris Foundation for Social Development
- Vattenfall Europa AG - Innovation Centre Energy
- VDI/VDE Innovation und Technik GmbH (VDI/VDE-IT) in interdepartmental cooperation
- Volkswagen Auto-Uni

Cooperations with external fundings of endowed professorships

- BEWAG AG & Co. KG (now Vattenfall Europe AG) Faculty III Process Engineering, Chair – Energy Engineering and Protection of the Environment
- Deutsche Telekom AG -DTAG- Faculty IV Electrical Engineering and Computer Sciences, Chairs:
 - Security in Telecommunications
 - Service Centric Networking
- HEAD-Genuit-Stiftung Faculty V Mechanical Engineering and Transport Systems, Chair – Psychoacoustics
- HELIOS Kliniken GmbH Faculty VII Economics and Management, Chair – Economics and Management of Medical Technologies
- National Association of Statutory Health Insurance Physicians with Faculty VII Economics and Management, Chair – Health Services Research and Quality Management in the Ambulant Sector
- German Association of the Automobile Industry (VDA) - Quality Management Center – VDA QMC – Faculty V Mechanical Engineering and Transport Systems
- Stiftung der Zuckerindustrie Faculty III Process Sciences, Chair – Food Process Engineering
- Stiftung für die Deutsche Wissenschaft e.V. and Daimler-Fonds Faculty IV Electrical Engineering and Computer Sciences, Chair – IT-based Vehicle Innovations
- TSB Technologiestiftung Berlin Faculty II Mathematics and Natural Sciences, Chair – Experimental Physics with the focus on Analytic X-ray Physics

Cooperations with An-Institutes of TU Berlin

- GT-ARC gGmbH
especially Faculty IV Electrical Engineering and Computer Sciences
- Daimler Center for Automotive Information Technology Innovations (DCAITI)
especially Faculty IV Electrical Engineering and Computer Sciences
- Telekom Innovation Laboratories
Faculty IV Electrical Engineering and Computer Sciences
- Rehabtech Research Lab
especially Faculty V Mechanical Engineering and Transport Systems, Department Medical Engineering
- TU Campus EUREF gGmbH
Innovation Center Energy of TU Berlin
- Mercator Research Institute on Global Commons and Climate Change (MCC) gGmbH
especially Faculty VII Economics and Management / Faculty VI Planning – Building – Environment
- Automotive Quality Institute (AQI) GmbH
especially Faculty V Mechanical Engineering and Transport Systems

International Cooperation Projects

Argentina Austria Belgium Brazil Bulgaria Chile Cuba Czech Republic Ecuador Egypt France Great Britain Hungary Indonesia Iran Israel Italy Japan Mexico Lithuania Madagascar Morocco Norway People's Republic of China Poland Portugal Russia Somalia South Africa South Korea Spain Sudan Switzerland Syria Thailand Turkey Ukraine USA Vietnam

TU Berlin cooperates with more than 200 universities in Europe and overseas where TU students can spend one or more semesters. TU Berlin's International Office is the main partner for all those who want to participate in an exchange program.

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|---|---|---|-------------------|------------|
| Europe | ■ Austria (8) | ■ Greece (4) | ■ Russia (1) | |
| | ■ Belgium (4) | ■ Iceland (1) | ■ Serbia (1) | |
| | ■ Bulgaria (1) | ■ Ireland (5) | ■ Slovakia (2) | |
| | ■ Czech Republik (4) | ■ Italy (22) | ■ Slovenia (1) | |
| | ■ Denmark (7) | ■ Lithuania (2) | ■ Spain (26) | |
| | ■ Estonia (2) | ■ Netherlands (10) | ■ Sweden (7) | |
| | ■ Finland (5) | ■ Norway (5) | ■ Switzerland (4) | |
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| | ■ Great Britain and Northern Ireland (14) | ■ Portugal (6) | ■ Hungary (4) | |
| | | ■ Romania (4) | | |
| | Overseas | ■ Asia (Peoples Republic of China, India, Japan, Singapore, South Korea, Taiwan) (22) | | |
| | | ■ Australia and New Zealand (11) | ■ Canada (11) | ■ USA (30) |
| | | ■ Latin America (Argentina, Chile, Colombia, Brazil, Ecuador, Mexico) (10) | | |
| ■ North Africa and Middle East (Israel) (1) | | | | |

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FACTS AND FIGURES



TU Berlin – an overview

May 2016

- 32 508 students, including 6611 students from other countries
 - 7 Faculties
 - 138 Courses of study
 - 338 Professors
 - 16 Junior Professors
 - 2598 Research associates
 - 3068 Externally-funded positions
 - 15 Habilitations in 2015
 - 513 Doctoral degrees in 2015
 - 2131 Staff in administration, libraries, central institutions and workshops
 - Approximately 126 trainees each year in 15 professions
 - 310 million euro in state subsidies for the year 2016
 - 177,5 million euro in external funding for the year 2015
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