



## TU Berlin – a prestigious university in the heart of Europe



Prof. Dr. Angela Ittel | Vice President International Relations and Teacher Education | TU Berlin



## Campus Plan




- Approx. 600.000 m<sup>2</sup> spread throughout multiple locations in Berlin
- 122 buildings (19.000 rooms)

## Fakultäten

| Faculty            | Name  | Institutes |
|--------------------|---|------------|
| I                  | Humanities  | 7          |
| II                 | Mathematics and Natural Science   | 6          |
| III                | Process Science   | 6          |
| IV                 | Electrical Engineering and Computer Science   | 6          |
| V                  | Mechanical Engineering and Transport Systems  | 7          |
| VI                 | Planning – Building – Environment   | 8          |
| VII                | Economics and Management  | 3          |
| Central Institutes | <ul style="list-style-type: none"> <li>– El Gouna (Egypt)</li> <li>– SETUB (School of Education TU Berlin)</li> </ul> |            |



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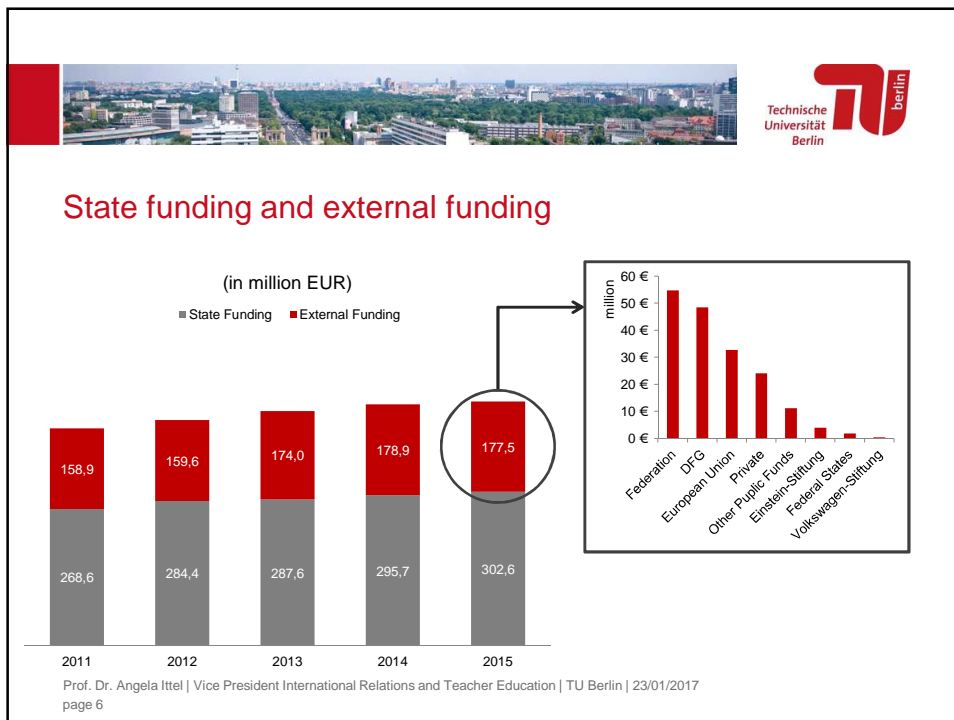
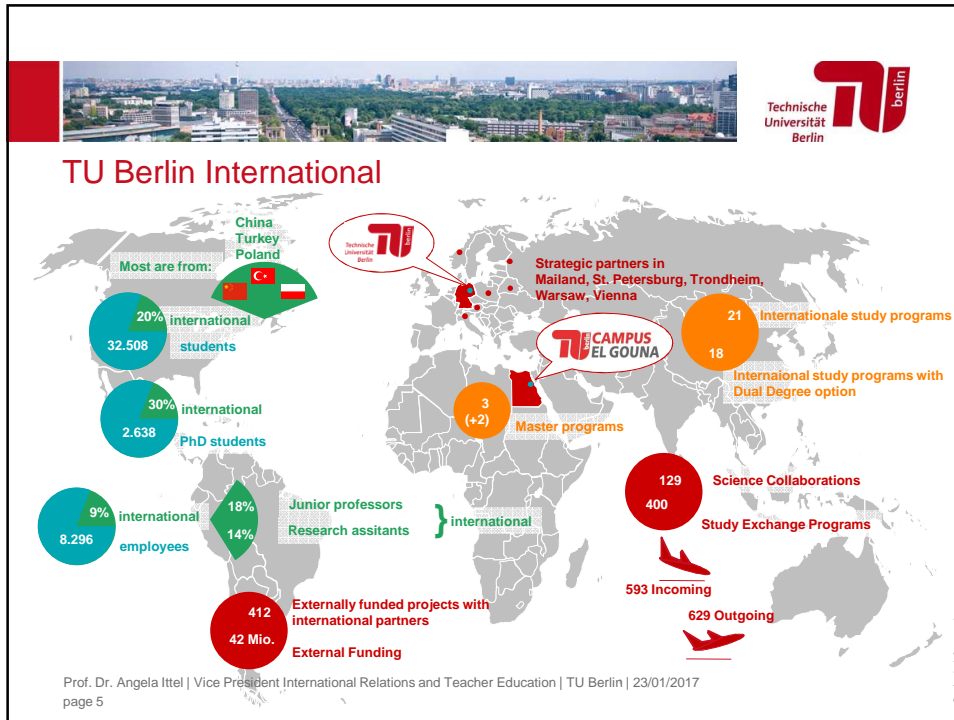

## TU Berlin International



**International cooperations and exchange programs with partner universities**

- Scientific collaborations with 130 universities from 40 nations
- Exchange programs for students with 320 universities throughout the world
- Double Degree Programs in cooperation with universities from France, Poland, Russia, Serbia, Argentina, Brazil, Chile, China and South Korea
- Graduates from Europe, Asia, Africa and Latin America

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## TU Berlin in numbers

|   |      |               |
|---|------|---------------|
| Professors                                    | 338  |               |
| Visiting Professors and Lecturers             | 374  |               |
| Research Assistant                            | 2598 |               |
| • share who are financed by third party funds | 1635 | (approx. 63%) |
| Sonstige Beschäftigte                         | 2131 |               |
| • share who are financed by third party funds | 263  | (approx. 12%) |
| DFG Special Research Area                     | 17   | (6 speaker)   |
| DFG Research Group                            | 12   | (5 speaker)   |
| DFG Graduate College                          | 11   | (7 speaker)   |
| KIC (Climate-KIC and EIT ICT Labs)            | 2    |               |



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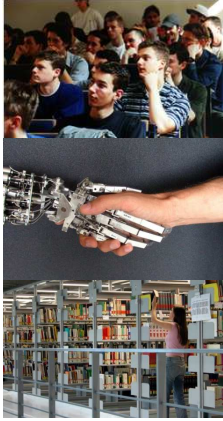
## STUDYING AND TEACHING AT TU BERLIN

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## Education Figures SS 2016

|   |               |
|---|---------------|
| <b>Students</b>   | <b>32.508</b> |
| Female  | 32,8%         |
| International Students  | 20,3%         |
| Outgoings (with an exchange program)                                | 459           |
| Incomings (with an exchange program)                                | 596           |
| <b>Employment in Teaching and Research</b>                          |               |
| PhD Students  | 503           |
| Post Docs with lectureship  | 15            |
| International Professors  | 6%            |
| International Research Assistants                                   | 16%           |
| <b>Alumni</b>   |               |
| Great Alumni network with 33.000 members from more than 130 nations |               |

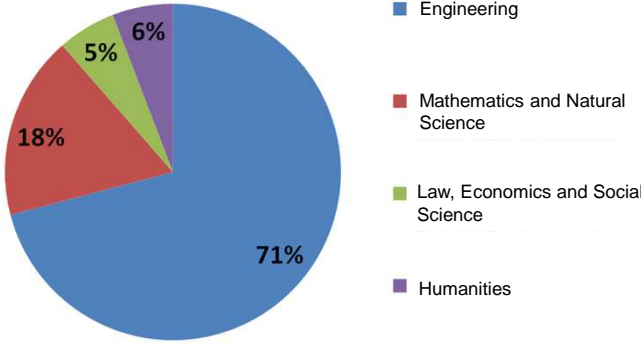


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## Students divided in fields of study SS 2016

**Total number of students: 32.508**



| Field of Study                    | Percentage |
|-----------------------------------|------------|
| Engineering                       | 71%        |
| Mathematics and Natural Science   | 18%        |
| Law, Economics and Social Science | 5%         |
| Humanities                        | 6%         |


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## International Students at TU Berlin

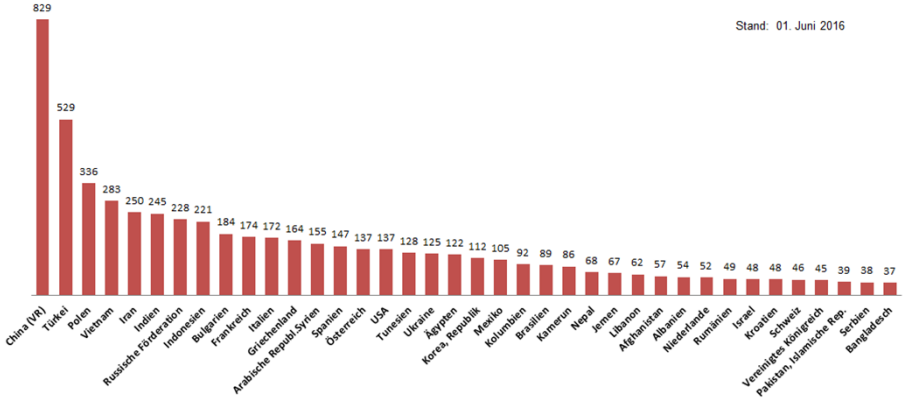
- Approx. 400 Student Exchange Programs
- 629 Outgoings with an exchange program from the TU Berlin, 2015/16
- 593 Incomings with an exchange program from the TU Berlin, 2015/16
- 6.106 international students at TU Berlin, WS 2015/16
  - 1.370 non-foreign students
  - 4.736 foreign students

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## Nationalities of International Students

Stand: 01. Juni 2016






| Nationality                | Number of Students |
|----------------------------|--------------------|
| China (VR)                 | 829                |
| Türkei                     | 529                |
| Polen                      | 336                |
| Vietnam                    | 283                |
| Iran                       | 250                |
| Indien                     | 245                |
| Russische Föderation       | 228                |
| Indonesien                 | 221                |
| Belgien                    | 184                |
| Frankreich                 | 174                |
| Italien                    | 172                |
| Griechenland               | 164                |
| Arabisches Republik Syrien | 155                |
| Spanien                    | 147                |
| Österreich                 | 137                |
| USA                        | 137                |
| Tunesien                   | 128                |
| Ukraine                    | 125                |
| Ägypten                    | 122                |
| Korea, Republik            | 112                |
| Mexiko                     | 105                |
| Kolumbien                  | 92                 |
| Brasilien                  | 89                 |
| Kamerun                    | 86                 |
| Nepal                      | 68                 |
| Japan                      | 67                 |
| Libanon                    | 62                 |
| Afghanistan                | 57                 |
| Albanien                   | 54                 |
| Niederlande                | 52                 |
| Rumänien                   | 49                 |
| Israel                     | 48                 |
| Kroatien                   | 48                 |
| Verinigtes Königreich      | 46                 |
| Pakistan, Islamische Rep.  | 45                 |
| Serbien                    | 39                 |
| Bangladesh                 | 38                 |
|                            | 37                 |

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## International Studies at TU Berlin and abroad

| Courses and Study Programs              | more than 100 |
|---|---------------|
| Courses in English                      | 12 – 14 %     |
| European Dual Degrees                   | 11            |
| Dual Degrees in overseas                | 15            |
| Master Programs (in English)            | 21            |
| Master Programs at Campus El Gouna      | 5             |
| International Summer School Offerings   | 10            |
| Global Student Exchange Programs        | 400           |
| International PhD and Post-Doc-Programs |               |






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## Activities besides the formal curriculum

Some examples:


- Sprach- und Kulturbörse der TU Berlin, SKB - a student organization at the Technical University of Berlin, supports the exchange of cultural and linguistic knowledge and experience on Campus, offers language and cultural events and courses for all students and employees of Berlin universities as well as alumni of the TU Berlin 
- Zentraleinrichtung Moderne Sprachen, ZEMS - The Modern Language Center offers academic language courses for students of all fields of studies at the TU Berlin. ECTS can be acquired in all courses. 
- TU Sport – organizes the academic sports program for employees and students 

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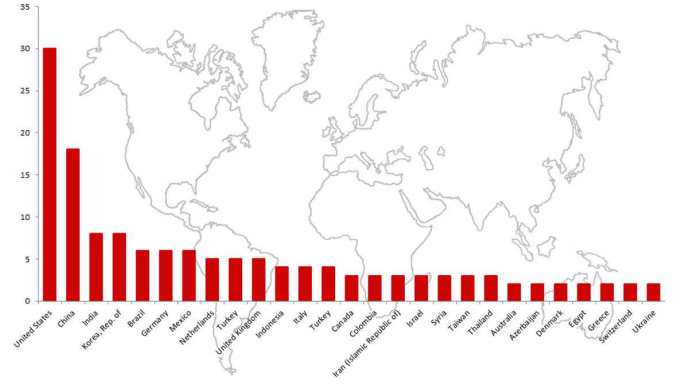



**TU BERLIN SUMMER AND WINTER UNIVERSITY**

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**Summer University 2016: Participants**



| Country                    | Participants |
|----------------------------|--------------|
| United States              | 30           |
| China                      | 18           |
| India                      | 8            |
| Korea, Rep. of             | 8            |
| Spain                      | 6            |
| Germany                    | 6            |
| Mexico                     | 6            |
| Netherlands                | 5            |
| Turkey                     | 5            |
| United Kingdom             | 5            |
| Indonesia                  | 4            |
| Italy                      | 4            |
| Turkey                     | 4            |
| Canada                     | 3            |
| Colombia                   | 3            |
| Iran (Islamic Republic of) | 3            |
| Israel                     | 3            |
| Syria                      | 3            |
| Taiwan                     | 2            |
| Thailand                   | 2            |
| Australia                  | 2            |
| Azerbaijan                 | 2            |
| Dominica                   | 2            |
| Egypt                      | 2            |
| Greece                     | 2            |
| Sri Lanka                  | 2            |
| Ukraine                    | 2            |

In total 160 Students from more than 50 nations participated at the Summer University 2016.

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**Winter University 2017**

**Januar**  
3. – 27.  
(4 Wochen)






**Summer University 2017**

|  |  |   |
|--|--|---|
| <b>Juni/Juli</b><br>12. – 6.<br>(4 Wochen) | <b>Juli</b><br>10. – 21.<br>(2 Wochen) | <b>Juli/August</b><br>24. – 17.<br>(4 Wochen) |
|--|--|---|

**Course Offerings 2017**

| Zwei-wöchige Kurse                                      |   |
|---|---|
| Start German – Language Course                          | Managing Innovations and Creative Business Models     |
| Vier-wöchige Kurse                                      |   |
| Programming in Java                                     | DesignBuild – Community Space with Refugees in Berlin |
| Startup Crash Course                                    | Energy Revolution                                     |
| Green Liver Systems                                     | Power of Social Media                                 |
| Urban Walkability                                       | Introduction to 3D-Scanning and Printing              |
| Can-Sat: Hands-on Satellite Design                      | Precision Engineering Measurement and Design          |
| Energy Efficiency in Power Generation and Refrigeration |   |

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**RESEARCH AT TU BERLIN**

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## Interdisciplinary, future-oriented Research

### Challenges in Research

- Climate Change
- Urbanization
- Infrastructure
- Ressource-Management, Water Ressources, Energy, Food and Health



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## Main Focus of Research



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## International Research and Study Network

**External Cooperations**  
120 global cooperations with international partner universities

**Strategic Partners**

- Norwegian University of Science and Technology, Trondheim, Norwegen
- Politecnico di Milano, Milan, Italy
- St. Petersburg State Polytechnical University, Russia
- Technical University Vienna, Austria
- Warsaw University of Technology, Warsaw, Poland

**Offshore Campus & International Office**

- Permanent Representation in German Science Centre Cairo, Egypt
- Permanent Representation in the EU in Brussels, Belgium
- Campus El Gouna, Egypt

 NTNU – Trondheim  
Norwegian University of Science and Technology

 POLITECNICO DI MILANO

 WARSAW UNIVERSITY TECHNOLOGY

 St. Petersburg State Polytechnical University

 TECHNISCHE UNIVERSITÄT WIEN

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## Strategic Partners with the industry und private partners





































And others...

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## Entrepreneurship – Start-Ups and Spin-Offs


- More than 1000 alumni founders
- TU-Foundings 2013:  
750 companies, 2.7 billion EUR revenue, 20.000 employees
- 130 Start-Ups passed through the CfE incubation process since 2007
- approx. 25 High-tech Start-Ups per year
- BMWi-Certificate „Die Gründerhochschule“; Business-Plan-Competition: „Ideenschmiede“


**Centre for Entrepreneurship**

Research & Publications




Master's Programs



GRÜNDUNGSSERVICE  
gruendung@tu-berlin.de


Startup Support



Trainings

Inspiration

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## Thank you for your attention!

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