

# U-MULTIRANK 2019

German Universities in Global Comparison



## U-MULTIRANK 2019

U-Multirank is a unique, multidimensional and international ranking of higher education institutions. It compares university performance across teaching and learning, research, knowledge transfer, international orientation and regional engagement.

It is the largest and most inclusive ranking showcasing the diversity in higher education around the world. It is not a league table and does not use composite indicators, nor reputation weights. Therefore, there is no one best university in U-Multirank. The performance of a university is presented with individual scores – graded from 'A' (very good) to 'E' (weak) across the different areas.

U-Multirank's 2019 edition presents data on 107 German higher education institutions. For the full list of all universities from Germany included in U-Multirank, please visit our [website](#).

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## AT A GLANCE: HOW DO GERMAN UNIVERSITIES FARE IN U-MULTIRANK?

- In 2019, U-Multirank presents data on 107 German higher education institutions, universities as well as universities of applied science.
- Comparing the performance of German institutions with the global U-Multirank sample shows their strong performance in Research, Knowledge Transfer and International Orientation.
- 8 German institutions achieved top scores in 10 or more indicators: Jacobs University (14), WHU - Otto Beisheim School of Management (14), Karlsruhe Institute of Technology (KIT) (13), Technical University of Munich (11), Frankfurt School of Finance & Management (11), Hamburg University of Technology (TUHH) (10), the University of Stuttgart (10) and Humboldt-Universität zu Berlin (10).
- The technical universities among them received most of their top scores in the Research and Knowledge Transfer dimensions, whereas private universities and business schools scored highest in International Orientation.
- In the sciences and engineering subjects, 9 German institutions are among the global 25 top performers in International Orientation of Study Programmes; 7 in Student Mobility and Contact to Work Environment in science and engineering study programmes.



## WHICH ARE THE TOP PERFORMING UNIVERSITIES IN GERMANY?

Jacobs University received the highest number of 'A' (very good) scores on the institutional level for Germany in 2019.

In this section we highlight the universities receiving the highest number of 'A' (very good) scores on the institutional level for the respective country.

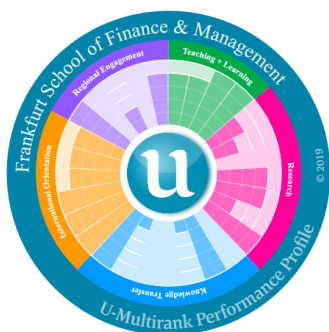
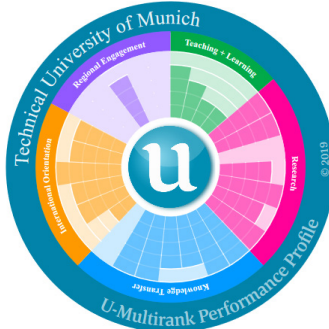
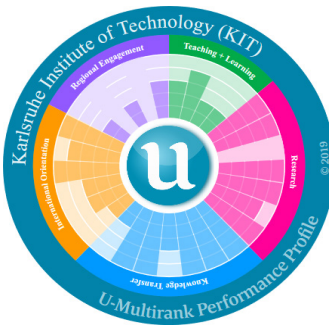
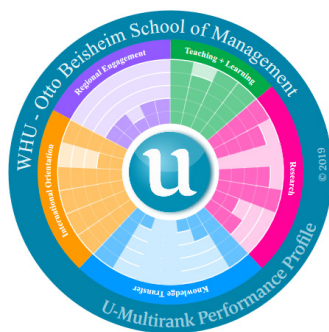
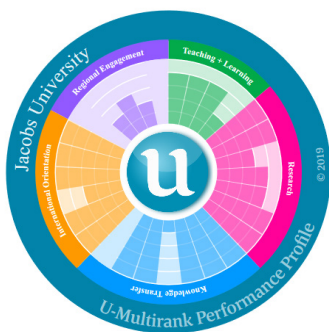
Although the number of 'A' scores shows top performance for the respective university, it does not imply one university is the 'best' in the country, as each university profile highlights different strengths.

| German universities with the highest number of overall top scores in 2019 | Total 'A' scores 2019 | Total 'A' scores 2018 |
|---|-----------------------|-----------------------|
| <a href="#"><u>Jacobs University</u></a>                                  | 14 ↑                  | 13                    |
| <a href="#"><u>WHU - Otto Beisheim School of Management</u></a>           | 14 ↓                  | 15                    |
| <a href="#"><u>Karlsruhe Institute of Technology (KIT)</u></a>            | 13 ↑                  | 12                    |
| <a href="#"><u>Technical University of Munich</u></a>                     | 11 ↓                  | 12                    |
| <a href="#"><u>Frankfurt School of Finance &amp; Management</u></a>       | 11 ↑                  | 8                     |

The list includes different profiles of institutions: comprehensive universities, as well as business schools that score particularly high in international orientation, and technical universities with many top scores in knowledge research and knowledge transfer.

# WHAT ARE THE PERFORMANCE PROFILES OF GERMANY'S TOP SCORING UNIVERSITIES?

Using our unique sunburst chart, a clear picture is shown of the university's overall performance (the longer the bar, the higher the score).



## U-MULTIRANK PRESENTS SUNBURSTS

### PERFORMANCE INDICATORS

|                                  |  |
|----------------------------------|--|
| <b>TEACHING &amp; LEARNING</b>   | 1 Bachelor graduation rate                         |
|                                  | 2 Masters graduation rate                          |
|                                  | 3 Graduating on time (Bachelors)                   |
|                                  | 4 Graduating on time (Masters)                     |
| <b>RESEARCH</b>                  | 5 External research income                         |
|                                  | 6 Research publications (size-normalized)          |
|                                  | 7 Art related output                               |
|                                  | 8 Citation rate                                    |
|                                  | 9 Topcited publications                            |
|                                  | 10 Interdisciplinary publications                  |
|                                  | 11 Post-doc positions                              |
| <b>KNOWLEDGE TRANSFER</b>        | 12 Income from private sources                     |
|                                  | 13 Co-publications with industrial partners        |
|                                  | 14 Patents awarded (size-normalized)               |
|                                  | 15 Industry co-patents                             |
|                                  | 16 Spin-offs                                       |
|                                  | 17 Publications cited in patents                   |
|                                  | 18 Income from continuous professional development |
|                                  | 19 Foreign language bachelor programmes            |
| <b>INTERNATIONAL ORIENTATION</b> | 20 Foreign language master programmes              |
|                                  | 21 Student mobility                                |
|                                  | 22 International academic staff                    |
|                                  | 23 International doctorate degrees                 |
|                                  | 24 International joint publications                |
| <b>REGIONAL ENGAGEMENT</b>       | 25 Bachelor graduates working in the region        |
|                                  | 26 Student internships in the region               |
|                                  | 27 Regional joint publications                     |
|                                  | 28 Income from regional sources                    |
|                                  | 29 Master graduates working in the region          |

[www.umultirank.org](http://www.umultirank.org)

For a list of definitions and calculations of indicators, see our [Indicator Book](#).

# WHAT DO GERMAN UNIVERSITIES DO BEST?

24 German universities have achieved a global Top 25 score in  
2019

## TOP 25 PERFORMING UNIVERSITIES IN CONTACT TO WORK ENVIRONMENT

By U-Multirank



In this list we present the U-Multirank 2019 top performers on the indicator orientation to work environment orientation of master programmes\* for the 2019 sciences (mathematics, computer science, physics, chemistry, biology) and engineering fields (chemical, civil, mechanical, electrical, industrial, materials, and environmental engineering). Taking into account the inclusion of mandatory internships, the percentage of students actually doing an internship, and teaching by external practitioners, this indicator shows how strongly institutions include work experience into their degree programmes. The top performers offer the best experience to their students across the science and engineering subjects.



- IMT Atlantique (France)
- FH Oberösterreich, Fakultät Wels (Austria)
- Klaipeda State University of Applied Sciences (Lithuania)
- University of Technology of Troyes (France)
- Southwest State University (Russia)
- Toulouse INP (France)
- Almaty University of Power Engineering and Telecommunication (Kazakhstan)
- Lobachevsky University (Russia)
- Tecnológico de Monterrey (Mexico)
- Simon Kuznets Kharkiv National University of Economics (Ukraine)
- Hochschule Koblenz (Germany)
- Orel State University I.S.Turgenev (Russia)
- Reutlingen University of Applied Science (Germany)

- Comillas Pontifical University (Spain)
- Deggendorf Institute of Technology (Germany)
- Kazan (Volga Region) Federal University (Russia)
- Aalen University (Germany)
- Munich University of Applied Sciences (Germany)
- University of La Laguna (Spain)
- Technische Universität Braunschweig (Germany)
- Belgorod State National Research University (Russia)
- Pontifical Catholic University of Chile (Chile)
- Hochschule Rhein-Waal (Germany)
- Claude Bernard University Lyon 1 (France)
- Management Center Innsbruck (MCI) (Austria)

\*The list is sorted by indicator scores in descending order; possible ties are not marked.



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## Globally Top Performing German Universities

In this section, U-Multirank presents the global Top 25 performers in a set of 10 indicators measuring different dimensions of performance. These lists highlight the 25 top-performing universities from around the world with the highest scores.

German universities that have achieved a global Top 25 score are listed under the respective categories:

### Co-publications with industrial partners

- [Hochschule Mannheim - University of Applied Sciences](#)
- [Munich University of Applied Sciences](#)
- [Nuremberg Institute of Technology](#)

### Contact to work environment

- [Aalen University](#)
- [Deggendorf Institute of Technology](#)
- [Hochschule Koblenz](#)
- [Hochschule Rhein-Waal](#)
- [Munich University of Applied Sciences](#)
- [Reutlingen University of Applied Science](#)
- [Technische Universität Braunschweig](#)

### Income from continuous professional development

- [Frankfurt School of Finance & Management](#)

# WHAT DO GERMAN UNIVERSITIES DO BEST?

24 German universities have achieved a global Top 25 score in  
2019

## Globally Top Performing German Universities

### International orientation of degree programmes

- [Deggendorf Institute of Technology](#)
- [Hamburg University of Technology \(TUHH\)](#)
- [Hochschule Rhein-Waal](#)
- [Jacobs University](#)
- [Munich University of Applied Sciences](#)
- [Otto von Guericke University of Magdeburg](#)
- [Pforzheim University - Business, Design, Engineering](#)
- [Saarland University](#)
- [Technische Universität Braunschweig](#)

### Interdisciplinary publications

- [Hochschule Mannheim - University of Applied Sciences](#)
- [Hochschule Niederrhein University of Applied Sciences](#)
- [Hochschule Rhein-Waal](#)
- [University of Applied Sciences Bingen](#)

### Student mobility

- [EBC Hochschule - University of Applied Sciences](#)
- [WHU - Otto Beisheim School of Management](#)
- [Munich Business School](#)
- [accadis Hochschule Bad Homburg, University of Applied Sciences](#)
- [HHL Leipzig Graduate School of Management](#)
- [University of Applied Sciences the International School of Management](#)
- [EBS Universität für Wirtschaft und Recht](#)

*\*For the full lists of all global Top 25 performers, please visit our [website](#).*

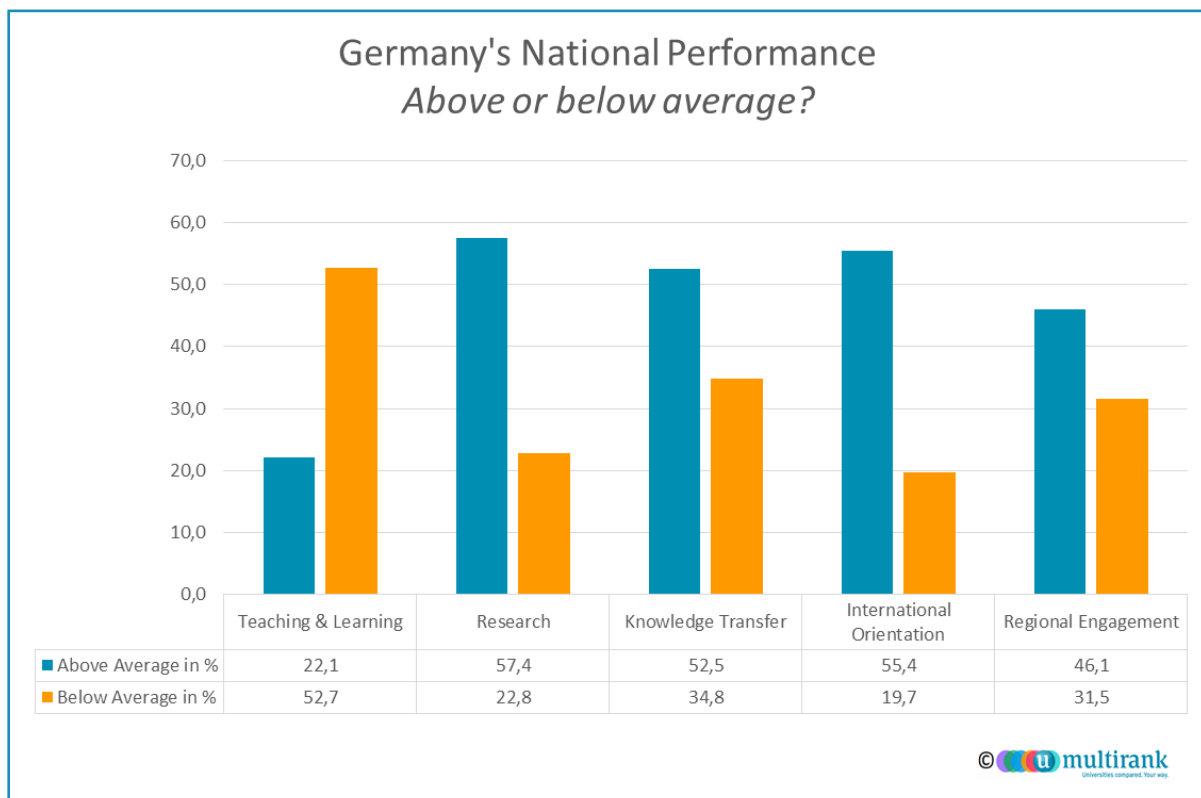
# HOW DO GERMAN UNIVERSITIES PERFORM GLOBALLY?

German higher education institutions perform strongest in U-Multirank's Research, Knowledge Transfer and International Orientation dimensions.

## Above or below average?

In this section we highlight the overall performance of German universities on the institutional level per U-Multirank dimension.

The below table shows the national breakdown of German universities and how they stand across the spectrum of above average (receiving a score of 'A' (very good) or 'B' (good), or below average (receiving a score of 'D' (below average) or 'E' (weak)). In doing so, U-Multirank offers a clear picture on the countries strengths, and areas for improvement.





# APPENDIX

## DETAILED RESULTS

If you want to analyse further the performance of the universities in your country you can click the following links.

The below links lead directly to the national results pages where we pre-filtered the universities in your country into one list (for the university as a whole and for the subject areas included in U-Multirank so far). You can use the table to produce national rankings (see image below), or for personalised interactive analyses with the data.

If you're interested in tailor-made tables (institutional level, subject level, or with a specific focus in mind, such as internationalisation), please contact us, at [info@umultirank.org](mailto:info@umultirank.org). These links are also accessible via your country's 'Study in' page.

| University Your selection: 107 universities                   |                          |                              |               |   |  |                                   |                           |                                  |  |                             |  |
|---|--------------------------|------------------------------|---------------|---|--|-----------------------------------|---------------------------|----------------------------------|--|-----------------------------|--|
| Level of study: bachelor, master, doctorate Regions: Germany, |                          |                              |               |   |  |                                   |                           |                                  |  |                             |  |
| 7.5.2019<br>www.umultirank.org                                |                          |                              |               |   |  |                                   |                           |                                  |  |                             |  |
| Teaching & Learning   |                          |                              | Research      |   | Knowledge Transfer                       |                                   | International Orientation |                                  | Regional Engagement                      |                             |  |
|   | Bachelor graduation rate | Graduating on time (masters) | Citation rate | Research publications (size-normalised) | Co-publications with industrial partners | Patents awarded (size-normalised) | Student mobility          | International joint publications | Bachelor graduates working in the region | Regional joint publications |  |
| RWTH Aachen University  | DE                       | C                            | D             | B                                       | A  | A                                 | B                         | B                                | B  | B                           |  |
| Hochschule Aalen  | DE                       | D                            | D             | D                                       | D  | A                                 | E                         | B                                | C  | A                           |  |
| accadia Hochschule Bad Homburg                                | DE                       | B                            | D             | -                                       | -  | -                                 | -                         | A                                | -  | -                           |  |
| Akkon-Hochschule  | DE                       | D                            | X             | X                                       | D  | X                                 | E                         | -                                | X  | -                           |  |
| Asklepios Campus Hamburg                                      | DE                       | X                            | A             | X                                       | -  | X                                 | -                         | D                                | X  | X                           |  |
| Hochschule Augsburg   | DE                       | C                            | D             | X                                       | D  | X                                 | E                         | B                                | X  | B                           |  |
| University of Augsburg  | DE                       | C                            | D             | C                                       | D  | C                                 | E                         | B                                | B  | -                           |  |
| University of Bayreuth  | DE                       | C                            | D             | B                                       | A  | B                                 | C                         | B                                | B  | -                           |  |
| Free University of Berlin                                     | DE                       | -                            | -             | B                                       | A  | A                                 | B                         | -                                | B  | -                           |  |

### Results:

- [Institutional Level Results](#)
- [Subject Level Results – Biology](#)
- [Subject Level Results – Chemistry](#)
- [Subject Level Results – Chemical Engineering](#)
- [Subject Level Results – Civil Engineering](#)
- [Subject Level Results – Computer Science](#)
- [Subject Level Results – Electrical Engineering](#)
- [Subject Level Results – Production/Industrial Engineering](#)
- [Subject Level Results – Materials Engineering](#)
- [Subject Level Results – Mathematics](#)
- [Subject Level Results – Mechanical Engineering](#)
- [Subject Level Results – Physics](#)

### Press materials:

- [Advanced press release \(includes graphics and tables for download in Appendix\)](#)
- [FAQ](#)
- [Overview Infographic 2019](#)

**The links will be accessible, starting the day of the release at 10:30 CET.**



## WHAT IS U-MULTIRANK?

U-Multirank is a multidimensional, user-driven approach to international ranking of higher education institutions. It compares the performances of higher education institutions – in short: universities – in the five dimensions of university activity:

(1) teaching and learning, (2) research, (3) knowledge transfer, (4) international orientation and (5) regional engagement.

The U-Multirank web tool enables comparisons at the level of the university as a whole and at the level of specific study programmes. Based on empirical data, U-Multirank compares institutions with similar institutional profiles ('like-with-like') and allows users to develop their own personalised rankings by selecting indicators in terms of their own preferences.

Based on the results of a feasibility study covering 150 universities which was carried out in 2010/11, the European Commission decided to fund the implementation of U-Multirank. This roll out is carried out by a consortium led by Professor Frans van Vught of the Center for Higher Education Policy Studies (CHEPS), University of Twente in the Netherlands and Professor Frank Ziegele of the Centre for Higher Education (CHE) in Germany as well as the Centre for Science and Technology Studies (CWTS) from Leiden University, Fundacion CYD and Folge 3. U-Multirank is funded by the European Commission, the Bertelsmann Foundation and Banco Santander. The consortium also works closely with a range of national ranking partners and stakeholder organisations.

The work of the U-Multirank consortium is overseen by an Advisory Board.





Funded by:

| BertelsmannStiftung



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