



U-MULTIRANK 2019

American Universities in Global Comparison



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U-MULTIRANK 2019

U-Multirank is a unique, multi-dimensional 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 230 American higher education institutions. For the full list of all universities from the United States included in U-Multirank, please visit our [website](#).

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

- U-Multirank presents data on 231 US universities.
- In global comparison, US institutions perform very strongly in Research and Knowledge Transfer. 76% of all indicator scores of all US institutions in the Research dimension are ranked with top scores ('A' scores).
- 28 US universities received 10 or more (up to 13) global top group positions ('A') across all indicators.
- US universities excel in Knowledge Transfer, particularly in transferring their research to and in collaboration with industry: 62 % of all US universities received a top position ('A' score) in Publications Cited in Patents, indicating that their research is transferred into technology; 54 % received a top position in Co-publications with Industrial Partners.
- In U-Multirank's global Top 25 performer lists of 10 indicators, US universities achieved 41 listings, most of them in Patents Awarded (17) and Top-Cited Publications (14).



WHICH ARE THE TOP PERFORMING UNIVERSITIES IN THE UNITED STATES?

Massachusetts Institute of Technology received the highest number of 'A' (very good) scores on the institutional level for The United States 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.

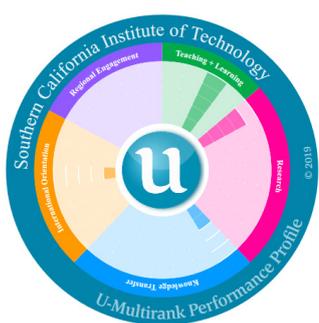
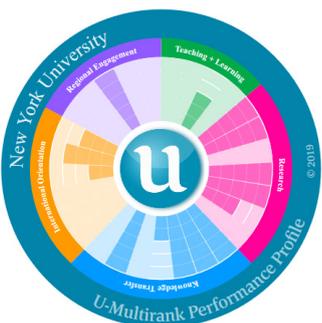
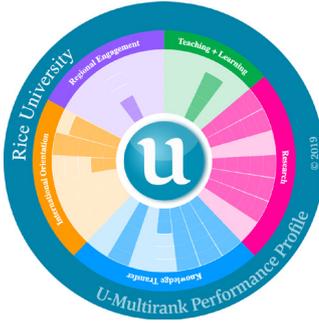
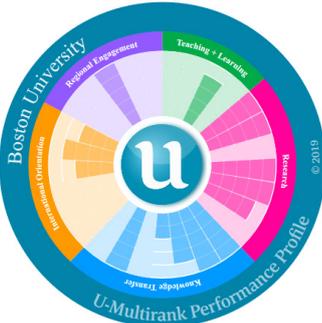
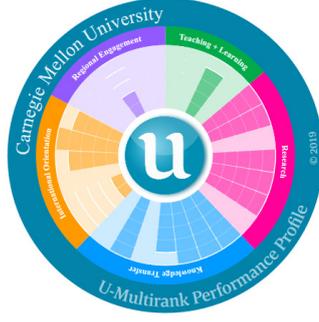
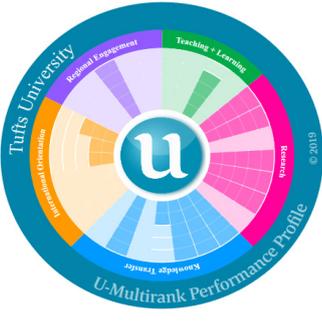
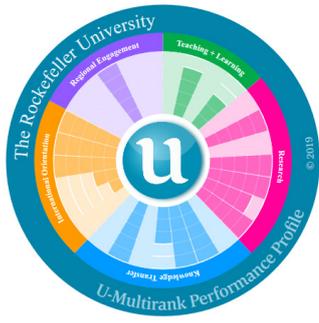
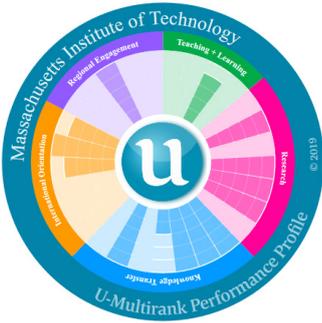
Although the number of 'A' scores shows top performance for the respective university, it does not imply one university is the 'best' in the country, as each university profile highlights different strengths.

American universities with the highest number of overall top scores in 2019	Total 'A' scores 2019	Total 'A' scores 2018
<u>Massachusetts Institute of Technology</u>	13 =	13
<u>The Rockefeller University</u>	12↓	13
<u>Tufts University</u>	12↑	11
<u>Carnegie Mellon University</u>	11↓	12
<u>Boston University</u>	11↑	10
<u>Rice University</u>	11↑	10
<u>New York University</u>	11↓	12
<u>California Institute of Technology</u>	11 =	11

The list includes different profiles of institutions: comprehensive universities, as well as business schools and technical universities.

WHAT ARE THE PERFORMANCE PROFILES OF THE UNITED STATES' 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

TEACHING & LEARNING	1 Bachelor graduation rate
	2 Masters graduation rate
	3 Graduating on time (Bachelors)
	4 Graduating on time (Masters)
RESEARCH	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
KNOWLEDGE TRANSFER	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
INTERNATIONAL ORIENTATION	20 Foreign language master programmes
	21 Student mobility
	22 International academic staff
	23 International doctorate degrees
	24 International joint publications
REGIONAL ENGAGEMENT	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

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

WHAT DO AMERICAN UNIVERSITIES DO BEST?

29 American universities have achieved a global Top 25 score in 2019

TOP 25* PERFORMING UNIVERSITIES IN PATENTS AWARDED

By U-Multirank



In this list we present the U-Multirank 2019 top performers on the indicator 'patents awarded (size-normalised)'. The number of patents is an established measure of technology transfer as it indicates the degree to which discoveries and inventions made in academic institutions are transferred to economic actors for further industrial-commercial development. Correcting for the size of the institution (overall student enrollments) enables a size-independent comparison of higher education institutions.

*Due to a tie the list includes 26 institutions

America

17

Europe

1

Africa

1

Asia

7

- Japan Advanced Institute of Science and Technology (JAIST) (Japan)
- The Rockefeller University (United States)
- University of Texas South West Medical Center (United States)
- California Institute of Technology (United States)
- University of Massachusetts Medical School (United States)
- Weizmann Institute of Science (Israel)
- London School of Hygiene and Tropical Medicine (United Kingdom)
- Korea Advanced Institute of Science and Technology (KAIST) (Korea, Republic Of)
- Massachusetts Institute of Technology (United States)
- University of California, Santa Barbara (United States)
- Tohoku University (Japan)
- University of California, San Diego (United States)
- Icahn School of Medicine at Mount Sinai (United States)

- University of California, Davis (United States)
- University of California, Berkeley (United States)
- University of California, Los Angeles (United States)
- University of Maryland, Baltimore (United States)
- Stanford University (United States)
- King Abdullah University of Science and Technology (Saudi Arabia)
- King Fahd University of Petroleum & Minerals (Saudi Arabia)
- National Tsing Hua University (Chinese Taipei)
- National Chiao Tung University (Chinese Taipei)
- Harvard University (United States)
- Case Western Reserve University (United States)
- Baylor College of Medicine (United States)
- Oregon Health & Science University (United States)

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



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Globally Top Performing American 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.

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

Patents awarded

- [Baylor College of Medicine](#)
- [California Institute of Technology](#)
- [Case Western Reserve University](#)
- [Harvard University](#)
- [Icahn School of Medicine at Mount Sinai](#)
- [Massachusetts Institute of Technology](#)
- [Oregon Health & Science University](#)
- [Stanford University](#)
- [The Rockefeller University](#)
- [University of California, Berkeley](#)
- [University of California, Davis](#)
- [University of California, Los Angeles](#)
- [University of California, San Diego](#)
- [University of California, Santa Barbara](#)
- [University of Maryland, Baltimore](#)
- [University of Massachusetts Medical School](#)
- [University of Texas South West Medical Center](#)

WHAT DO AMERICAN UNIVERSITIES DO BEST?

29 American universities have achieved a global Top 25 score in
2019

Globally Top Performing American Universities

Interdisciplinary publications

- [Agnes Scott College](#)

Research publications

- [Columbia University](#)
- [Duke University](#)
- [Harvard University](#)
- [Johns Hopkins University](#)
- [Stanford University](#)
- [University of California, Los Angeles](#)
- [University of Michigan](#)
- [University of Pennsylvania](#)
- [University of Washington - Seattle](#)

Top cited publications

- [California Institute of Technology](#)
- [Columbia University](#)
- [Harvard University](#)
- [Massachusetts Institute of Technology](#)
- [Princeton University](#)
- [Rice University](#)
- [Stanford University](#)
- [The Rockefeller University](#)
- [University of California, Berkeley](#)
- [University of California, San Francisco](#)
- [University of California, Santa Barbara](#)
- [University of Chicago](#)
- [University of Pennsylvania](#)
- [Yale University](#)

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

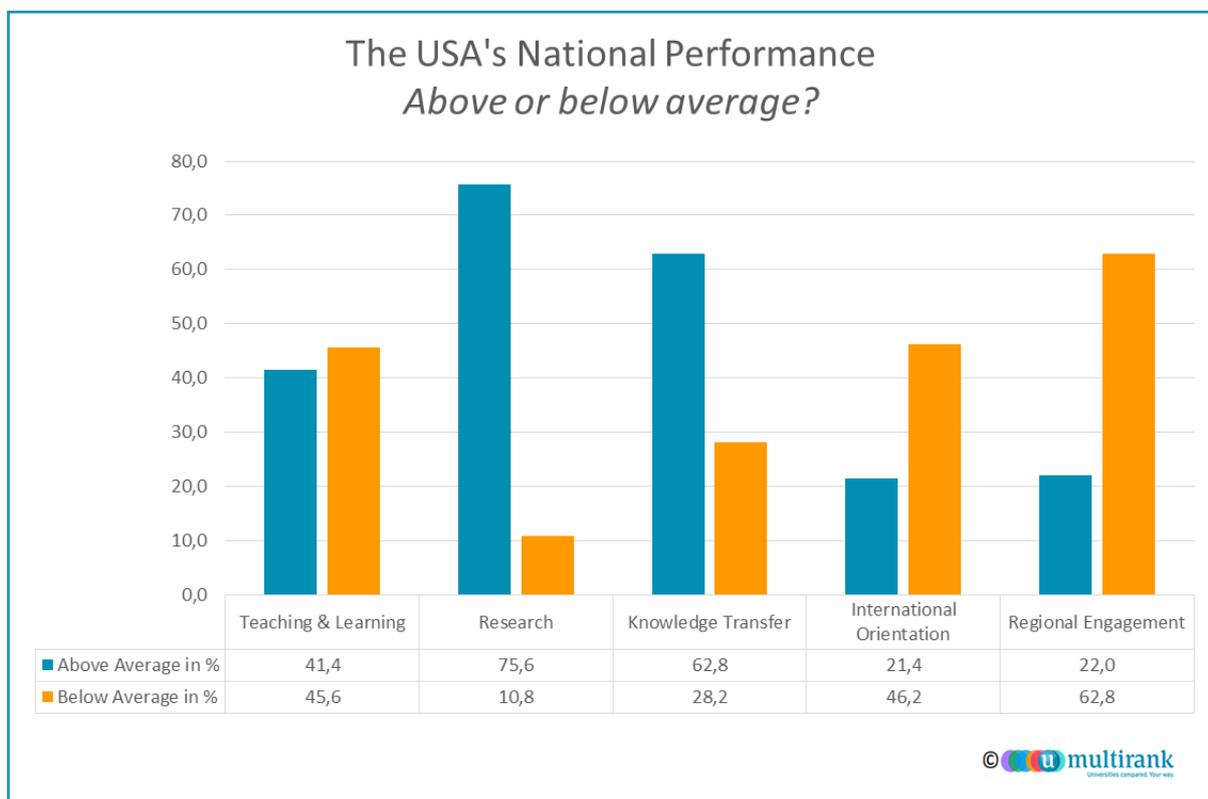
HOW DO AMERICAN UNIVERSITIES PERFORM GLOBALLY?

American higher education institutions perform strongest in U-Multirank's Research and Knowledge Transfer dimensions.

Above or below average?

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

The below table shows the national breakdown of American 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. These links are also accessible via your country's 'Study in' page.

University <small>Your selection: 230 universities</small>										
<small>Level of study: bachelor, master, doctorate Regions: United States</small>										
16.5.2019 <small>dev.umultirank.org</small>	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
Agnes Scott College	US	-	x	C	C	B	E	-	D	A
University of Alcorn	US	-	-	B	C	A	A	-	C	D
University of Alabama	US	-	-	B	C	B	E	-	C	D
University of Alabama at Birmingham	US	-	-	A	A	A	B	-	D	D
Amherst College	US	-	x	B	B	D	E	-	D	D
University of Massachusetts Amherst	US	A	-	A	A	B	A	-	B	D
Arizona State University	US	-	-	A	B	B	A	-	C	D
University of Arizona	US	-	-	A	A	A	B	-	C	D
University of Arkansas	US	-	-	C	C	B	A	-	C	D
University of Arkansas for Medical Sciences	US	-	-	B	A	A	C	-	D	D
University of Texas, Arlington	US	-	-	B	D	A	E	-	B	B
Auburn University	US	-	-	C	B	B	B	-	D	D

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 – Environmental 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:

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