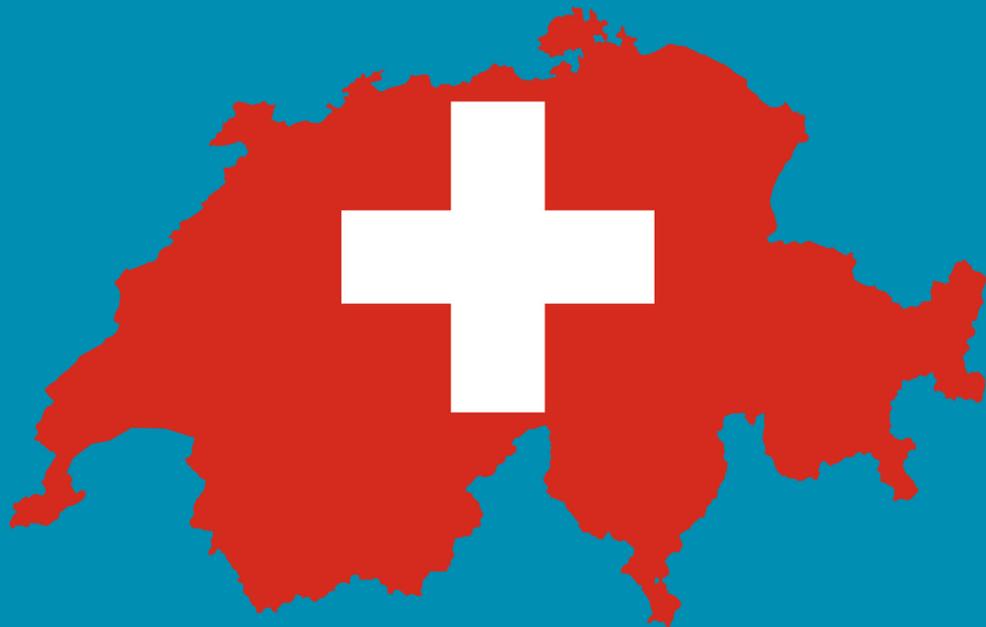


U-MULTIRANK 2019

Swiss Universities in Global Comparison



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 11 Swiss higher education institutions. For the full list of all universities from Switzerland included in U-Multirank, please visit our [website](#).

CONTENTS

3	AT A GLANCE: HOW DO SWISS UNIVERSITIES FARE IN U-MULTIRANK?
4	WHICH ARE THE TOP PERFORMING UNIVERSITIES IN SWITZERLAND?
5	WHAT ARE THE PERFORMANCE PROFILES OF SWITZERLAND'S TOP SCORING UNIVERSITIES?
6	WHAT DO SWISS UNIVERSITIES DO BEST?
7	HOW DO SWISS UNIVERSITIES PERFORM GLOBALLY?
8	APPENDIX: HOW CAN DETAILED RESULTS BE PRESENTED?
9	WHAT IS U-MULTIRANK?

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

- In 2019 U-Multirank has an almost full coverage of Swiss universities, presenting data on 11 out of 13 universities.
- In a global perspective, Swiss higher education institutions perform very strongly in U-Multirank's Research, Knowledge Transfer and International Orientation dimensions.
- Swiss universities perform strongly in links to business and industry as measured by Co-publications with Industrial Partners and their high volume of External Research Income.
- 8 Swiss universities reached 10 or more top group positions ('A'); the highest numbers being achieved by ETH Zurich (18), EPF Lausanne (16), the University of Zurich (14), the University of Berne (13), and the University St. Gallen (13). These universities received their top scores mainly in the Research, Knowledge Transfer and International Orientation dimensions.
- The University of St. Gallen is amongst the global Top 25 performers in generating Income from Continuous Professional Development courses, whereas the University of Lausanne is included in the Top 25 Performer list on International Orientation of its study programmes in the sciences.



WHICH ARE THE TOP PERFORMING UNIVERSITIES IN SWITZERLAND?

Swiss Federal Institute of Technology Zurich (ETH Zurich) received the highest number of 'A' (very good) scores on the institutional level for Switzerland 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.

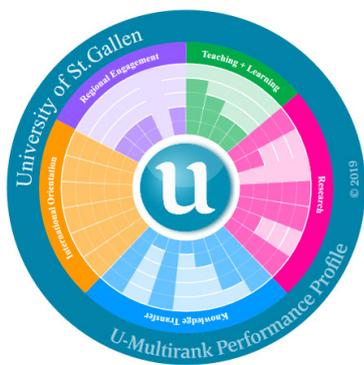
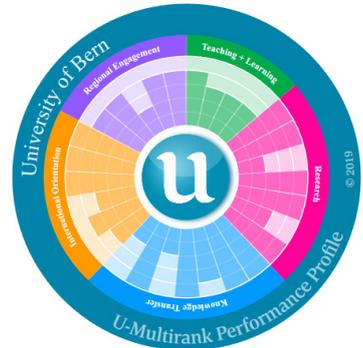
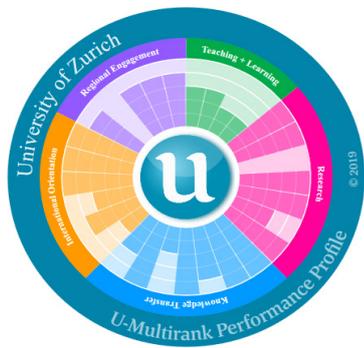
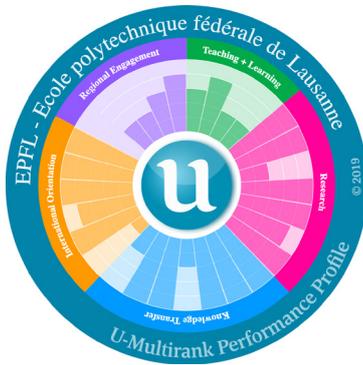
Although the number of 'A' scores shows top performance for the respective university, it does not imply one university is the 'best' in the country, as each university profile highlights different strengths.

Swiss universities with the highest number of overall top scores in 2019	Total 'A' scores 2019	Total 'A' scores 2018
<u>Swiss Federal Institute of Technology Zurich (ETH Zurich)</u>	18 ↑	16
<u>EPFL - École polytechnique Fédérale de Lausanne</u>	16 ↓	17
<u>University of Zurich</u>	14 ↓	15
<u>University of Bern</u>	13 ↑	12
<u>University of St.Gallen</u>	13 ↑	12

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

WHAT ARE THE PERFORMANCE PROFILES OF SWITZERLAND'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

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 Topical 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

www.umultirank.org

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

WHAT DO SWISS UNIVERSITIES DO BEST?

2 Swiss universities have achieved a global Top 25 score in 2019

TOP 25* PERFORMING UNIVERSITIES IN INTERNATIONAL ORIENTATION OF DEGREE PROGRAMMES

By U-Multirank



In this list we present the U-Multirank 2019 top performers on the indicator "international orientation of degree programmes" for the sciences and engineering fields. Taking into account the existence of joint degree programmes, the inclusion of stays abroad into the curricula, the actual exchange of students, the presence of international teaching staff and teaching in foreign languages, this indicator shows how international the programmes are. The top performers offer the best international experience to their students.

*Due to a tie the list includes 27 institutions



- Norwegian University of Science and Technology (Norway)
- Ternopil Ivan Puluj National Technical University (Ukraine)
- Voronezh State University (Russia)
- Tecnológico de Monterrey (Mexico)
- University of Bergen (Norway)
- Otto von Guericke University of Magdeburg (Germany)
- University of Cergy-Pontoise (France)
- University of Salzburg (Austria)
- Jacobs University (Germany)
- Management Center Innsbruck (MCI) (Austria)
- Universidad Nebrija (Spain)
- Technische Universität Braunschweig (Germany)
- Munich University of Applied Sciences (Germany)
- National Research Nuclear University MEPhI (Moscow Engineering Physics Institute) (Russia)
- FH Oberösterreich, Fakultät Wels (Austria)
- Pforzheim University - Business, Design, Engineering (Germany)
- Hochschule Rhein-Waal (Germany)
- University of Oviedo (Spain)
- Warsaw University of Technology (Poland)
- University of Camerino (Italy)
- University of Primorska (Slovenia)
- Deggendorf Institute of Technology (Germany)
- University of Technology of Troyes (France)
- University of Lausanne (Switzerland)
- Free University of Bozen-Bolzano (Italy)
- Saarland University (Germany)
- Hamburg University of Technology (TUHH) (Germany)

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



BertelsmannStiftung



Globally Top Performing Swiss 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.

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

Income from continuous professional development

- [University of Lausanne](#)

International orientation of degree programmes

- [University of St.Gallen](#)

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

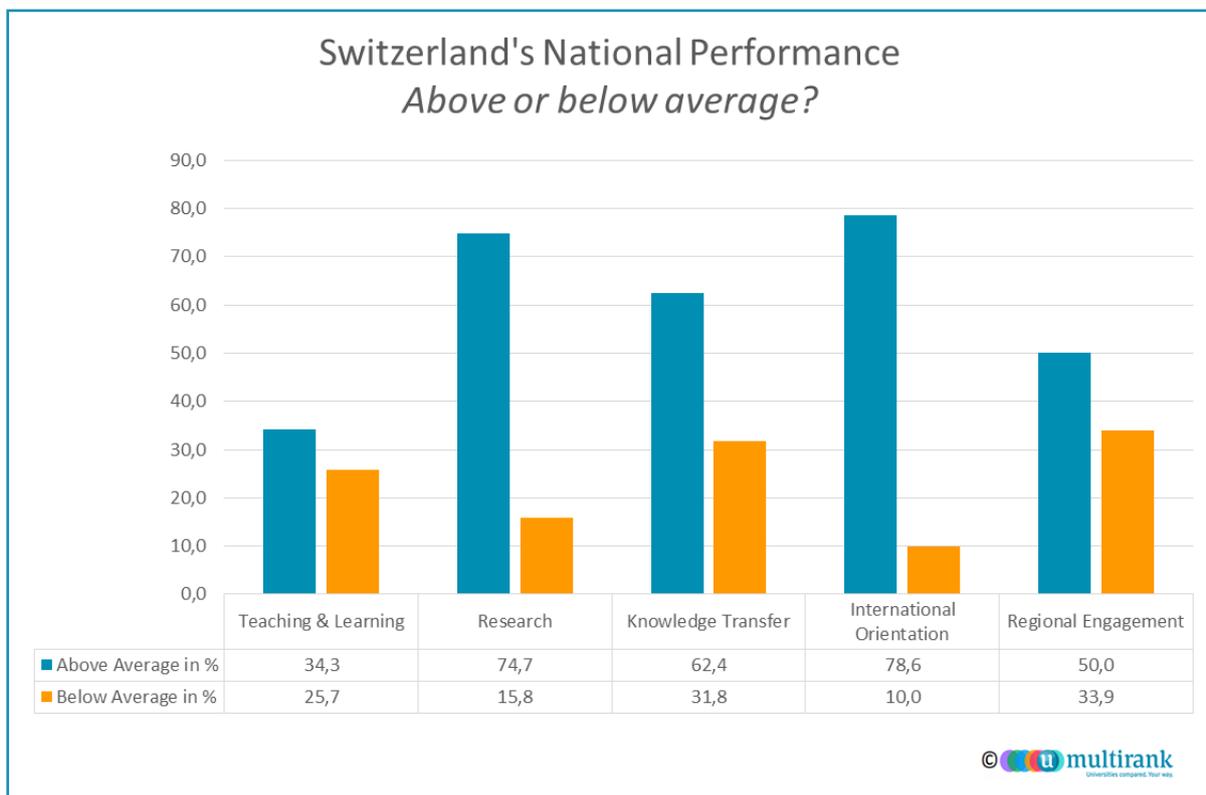
HOW DO SWISS UNIVERSITIES PERFORM GLOBALLY?

Swiss higher education institutions perform strongest in U-Multirank's Research and International Orientation dimensions.

Above or below average?

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

The below table shows the national breakdown of Swiss 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 Your selection: 14 universities											
Level of study: bachelor, master, doctorate Regions: Switzerland,											
16.5.2019 dev.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		
Universität Basel	CH	-	-	A	A	A	B	-	A	-	D
Universität Bern	CH	B	C	A	A	A	B	C	A	B	D
École Polytechnique Fédérale de Lausanne	CH	C	D	A	A	A	A	B	A	-	D
ETH Zurich	CH	C	-	A	A	A	A	B	A	-	A
University of Fribourg	CH	C	D	A	A	B	E	C	A	-	B
University of Geneva	CH	-	-	A	A	A	B	-	A	-	D
IFM University	CH	A	A	x	-	x	-	-	x	A	x
University of Lausanne	CH	C	-	A	A	A	B	B	A	-	C
Universität Luzern	CH	B	-	A	D	D	E	C	A	C	A
University of Lugano	CH	-	-	A	B	C	B	-	A	-	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 – 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



CONTACT US

info@umultirank.org
P.O. Box 105
33311, Guetersloh, Germany
Tel.: +49 (0) 5241 9761 58
Fax: +49 (0) 5241 9761 40



WWW.UMULTIRANK.ORG