2022 QS World University Rankings by Subject

Summary

On April 6, 2022, Quacquarelli Symonds (QS), a company that specializes in providing study abroad services, released the 2022 QS World University Rankings by Subject. Overall, 1,543 institutions were ranked across 51 subjects in five broad subject areas. The University of Saskatchewan (USask) ranked 51-60 in Veterinary Science, tied for 71 in Agriculture & Forestry, tied for 99 in Environmental Sciences, 201-220 in each of Earth & Marine Sciences, Geology, and Geophysics, 251-300 in Pharmacy & Pharmacology, 351-370 in Education and Training, 401-410 in each of Chemical Engineering and Materials Science, 401-450 in each of Biological Sciences and Medicine, 451-500 in Chemistry, and 501-550 in Computer Science and Information Systems. *Overall, USask received rankings in two of the five broader subject areas: tied for 326 in Life Sciences & Medicine and 451-500 in Natural Sciences.*

What were the rankings based on?

The QS individual subject rankings were produced based on four weighted indicators: Academic Reputation, Employer Reputation, Research Citations per Paper, and H-index. Depending on the availability of publication and citation data and the popularity of particular disciplines amongst employers, the weightings for the different subjects varied. For example, Academic Reputation carried 90 percent of the weight in each of Art & Design and Classics & Ancient History, but only 30 percent in subjects such as Dentistry, Nursing, and Veterinary Science.

For the five broad subject area rankings, a fifth indicator is used identified as International Research Network (IRN). The IRN is weighted 5 percent for each of Arts & Humanities and Social Sciences & Management, and 10 percent for each of Engineering & Technology, Life Sciences & Medicine, and Natural Sciences.

Indicator	Indicator Description	Weight*	Source
Academic Reputation	The QS Academic Reputation Survey draws on responses from over 130,000 academics worldwide, received between 2017-2021. Each academic counted has given their opinion on domestic and international universities in their fields of expertise.	30-90%	Previous respondents / World Scientific academic publishers/ Mardev-DM2 database/ academic signup/ institution supplied lists
Employer Reputation	The QS Employer Reputation Survey draws on responses from over 75,000 graduate employers worldwide, received between 2017-2021. Each employer identifies institutions which are excellent for recruitment, as well as preferred disciplines of recruitment.	5-50%	Previous respondents/ QS databases/ QS partners / institution supplied lists
Research Citations per Paper	This ratio measures the average number of citations obtained per publication. To avoid anomalous results, only the institutions producing a minimum number of papers in the last five years are evaluated.	0-30%	Scopus
H-index	The h-index is an index that measures both the productivity and impact of the work published by the institutions' scientists and scholars. The index is based on the set of the institution's most cited papers and the number of citations that they have received in other publications.	0-30%	Scopus
IRN	The International Research Network is a measure of efficiency of establishing stable research collaborations in every of the five broad subject areas. It is only used for the rankings by broad subject area.	5 or 10%	Scopus

*The weighting of each of the first 4 indicators varied depending on the individual subject area being ranked. For the broad subject ranking, fixed percentages of the first 4 indicators were used and IRN was included, weighted at either 5 or 10%.

Depending on the subject area, between 60 and 670 universities were ranked. For more information about QS subject rankings methodology, please go to: https://www.topuniversities.com/subject-rankings/methodology

Rankings of the University of Saskatchewan

USask was ranked in a tie for 326 globally and again placed 15 in Canada (and 14 in U15) within Life Sciences & Medicine. In Natural Sciences, USask placed 451-500 globally and tied for 17 in Canada. In other broad subject areas – Arts & Humanities, Engineering & Technology, and Social Sciences & Management, USask was not ranked globally.

USask was ranked in 14 of the 51 specific subject areas, previously being ranked in 10 of 51. The four additional rankings were a result of THE increasing the number of publicly listed ranked institutions in certain subject areas.

Overall, we were among the best in Veterinary Science, ranked 51-60 in the world and positioned 4 in Canada (3 in U15), and in Agriculture and Forestry, ranking in a tie for 71 in the world (increase of 11 positions) and a tie for 3 in Canada (tied for 2 in U15). The next strongest placement was Environmental Sciences where we increased by more than 50 positions over last year and placed in a tie for 99 globally (5 in Canada and in the U15).

In terms of specific indicators, USask's best score in Academic Reputation was 70.8 in Veterinary Science, while its best score in Employer Reputation was 74.4 in Geology. The subject area of Environmental Sciences had the best institutional scores for both Citations per Paper (91.6) and H-index (89.1).

USask Rankings in 2022 QS World University Rankings by Subject

Subject Area	World	Canada	U15	Subject Area	World	Canada	U15
Arts & Humanities	**500+**	**21+**	**15**	**Natural Sciences**	**451-500**	**17***	**14**
Archaeology	231+	11+	9+	Chemistry	**451-500**	**15***	**14**
Architecture / Built Environment	230+	7+	5+	Earth & Marine Sciences	**201-220**	**11**	**10**
Art & Design	230+	8+	2+	Environmental Sciences	**99***	**5**	**5**
Classics & Ancient History	80+	1+	1+	Geography	210+	15+	10+
English Language & Literature	320+	17+	12+	Geology	**201-220**	**10***	**9***
History	221+	9+	8+	Geophysics	**201-220**	**10***	**9***
Linguistics	310+	14+	9+	Materials Science	**401-410**	**14**	**14**
Modern Languages	332+	13+	9+	Mathematics	520+	21+	13+
Performing Arts	115+	5+	4+	Physics & Astronomy	611+	20+	15
Philosophy	211+	9+	8+	**Social Sciences & Management**	**526+**	**17+**	**12+**
Theology, Divinity & Religious Studies	130+	5+	5+	Accounting & Finance	322+	16+	12+
Engineering & Technology	**523+**	**20+**	**13+**	Anthropology	142+	6+	4+
Chemical Engineering	**401-410**	**14***	**13**	Business & Management Studies	573+	21+	13+
Civil & Structural Engineering	221+	10+	10+	Communication & Media Studies	240+	12+	6+
Computer Science & Information Systems	**501-550**	**23***	**15**	Development Studies	110+	3+	3+
Electrical & Electronic Engineering	515+	22+	15	Economics & Econometrics	522+	20+	15
Mechanical, Aeronautical & Manufacturing Engineering	520+	20+	13+	Education & Training	**351-370**	**16**	**12**
Mineral & Mining Engineering	60+	7+	7+	Hospitality & Leisure Management	151+	9+	4+
Petroleum Engineering	160+	4+	3+	Law & Legal Studies	342+	12+	10+
Life Sciences & Medicine	**326***	**15**	**14**	Library & Information Management	60+	5+	5+
Agriculture & Forestry	**71***	**3***	**2***	Politics	221+	7+	5+
Anatomy & Physiology	140+	12+	11+	Social Policy & Administration	122+	3+	3+
Biological Sciences	**401-450**	**16***	**14***	Sociology	332+	14+	10+
Dentistry	70+	2+	2+	Sports-Related Subjects	132+	14+	12+
Medicine	**401-450**	**14***	**14**	Statistics & Operational Research	231+	12+	10+
Nursing	170+	11+	11+				
Pharmacy & Pharmacology	**251-300**	**10**	**10**				
Psychology	320+	18+	13+				
Veterinary Science	**51-60**	**4**	**3**				

Notes:
1. Depending on the subject area, between 60 and 670 universities were ranked.
2. Grey fonts indicate that the USask was not ranked in the subject area, while XXX universities were ranked.
3. An asterisk (*) indicates a tie.

For more information, visit: **www.usask.ca/ipa**