

2022 QS World University Rankings by Subject and Faculty

SUMMARY

- In 2022, McMaster was ranked as one of the world's top 300 universities in 27 subject areas and 5 faculties, including 49th in Life Sciences & Medicine.
- McMaster has 4 subject areas ranked in the top 50: Nursing (21), Sports related Subjects (22), Anatomy & Physiology (30) and Medicine (37).

BACKGROUND

Subject Rankings

Quacquarelli Symonds (QS) World University Rankings (WUR) by Subject is an annual ranking of the world's top universities in 51 subject areas. Typically, the top 50 scoring universities are ranked individually, whereas institutions ranked above 50 are placed into groups of 50.

To assess and rank each university's quality of education, faculty and research output, QS uses the following four measures:

- Academic Reputation Survey
- Employer Reputation Survey
- Citations per paper
- H-Index

Faculty Rankings

The QS WUR by Faculty scores and ranks universities in five faculty areas (i.e. Arts & Humanities, Engineering & Technology, Life Sciences & Medicine, Natural Sciences, Social Sciences and management). The Ranking applies the same methodology as the Subject level Rankings, and simply aggregates the Subject level information to associated Faculties.

CURRENT STATUS

On April 6, 2022, QS released its annual WUR by Subject and Faculty for 2022. It is important to note that QS constructs an institution's subject profile through citations and reputation votes in each subject area. Also, subjects are placed into respective Faculty areas by QS that may not align with McMaster's subject to Faculty mapping. For example, QS places "Material Science" under "Natural Sciences" and "Communication and Media Studies" under "Social Science and Management".

QS WUR by Subject

QS only provides a numerical rank to the top 300 institutions in each subject area. In total, McMaster was ranked as one of the world's top 300 institutions in 27 of the 51 subject areas. McMaster increased its rank in 5 of the subject areas, while increasing its score in 22 subject areas (please refer to Appendix A).

Table 1 shows the subject areas where the University ranked among the top 100 globally in 2022. McMaster has 4 subjects ranked in the top 50 internationally (down from 5 in 2021). Library & Information Management has not been considered for a rank in 2022 since it does not meet ranking requirements. McMaster has 2 additional subject areas that rank in the top 100 (Mathematics and Statistics & Operational Research) for a total of 6.

In 2022, Nursing continues to be McMaster's highest ranked subject area at 21st overall, decreasing 6 positions from last year's ranking. Nursing is followed closely by Sports-related Subjects at 22nd. Anatomy & Physiology increased 7 positions to 30th and Medicine increased 4 positions to 37th from last year's ranking.

Table 1: McMaster University, Top 100 Ranked Subjects, 2021 & 2022

	2021		2022		Δ	
	Rank	Score	Rank	Score	Rank	Score
Nursing	15	88.5	21	86.3	-6	-2.2
Sports-related	19	83.5	22	80.0	-3	-3.5
Anatomy & Physiology	37	82.7	30	82.5	7	-0.2
Medicine	41	82.2	37	81.7	4	-0.5
Library & Information Management	47	62.0	N/R	57.7	Decrease	-4.3
Mathematics	82	74.9	89	73.5	-7	-1.4
Statistics & Operational Research	51-100	73.9	51-100	78.3	N/C	4.4

N/R = Not Ranked / N/C = No Change / N/S = No Score

QS WUR by Faculty

Table 2 shows McMaster's faculty area rank in 2021 and 2022. In 2022, McMaster fell in rank in all faculty areas apart from Life Sciences & Medicine. Life Sciences & Medicine rose 3 positions to break into the top 50 worldwide at 49th overall. McMaster's rank in the other 4 faculty areas fell considerably despite suffering only marginal decreases to their overall score. This indicates that the average score within each faculty area is increasing and the pool of competition is both clustered and stronger.

Table 2: McMaster University, Faculty Area Rankings and Scores, 2021 & 2022

	2021		2022		Δ	
	Rank	Score	Rank	Score	Rank	Score
Arts & Humanities	281	64.4	321	63.4	-40	-1.0
Engineering & Technology	194	69.7	236	70.2	-42	0.5
Life Sciences & Medicine	52	80.1	49	79.5	3	-0.6
Natural Sciences	228	69.6	275	67.4	-47	-2.2
Social Sciences & Management	276	66.1	309	64.5	-33	-1.6

APPENDIX A: McMaster University Ranked Subjects, 2022 QS WUR by Subject

		2021		2022			Δ	
		Subject Rank	Weighted Score	Subject Rank	Canada Rank	Weighted Score	Subject Rank	Weighted Score
Arts & Humanities	Archaeology	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Architecture	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Art & Design	N/R	37.1	N/R	N/R	39.2	N/C	2.1
	Classics & Ancient History	N/R	61.3	N/R	N/R	52.8	N/C	-8.5
	English Language & Literature	151-200	61.5	151-200	9	65.8	N/C	4.3
	History	101-150	64.2	201-220	8	61.5	Decrease	-2.7
	Linguistics	201-250	54.6	201-250	8	58.6	N/C	4
	Modern Languages	N/R	54.8	N/R	N/R	53.1	N/C	-1.7
	Performing Arts	N/R	29.5	N/R	N/R	42.3	N/C	12.8
	Philosophy	N/R	45.1	N/R	N/R	54.5	N/C	9.4
Theology, Divinity & Religious Studies	51-100	58.3	101-130	4	61.0	Decrease	2.7	
Engineering & Technology	Computer Science & Information Systems	201-250	61.2	251-300	11	59.1	Decrease	-2.1
	Engineering - Chemical	101-150	64.9	101-150	6	70.6	N/C	5.7
	Engineering - Civil & Structural	N/R	64.6	201-220	10	62.5	Increase	-2.1
	Engineering - Electrical & Electronic	151-200	62.4	151-200	7	66.9	N/C	4.5
	Engineering - Mechanical, Aeronautical & Manufacturing	134	63.6	150	6	70.0	-16	6.4
	Engineering - Mineral & Mining	N/R	58.5	N/R	N/R	59.4	N/C	0.9
	Engineering – Petroleum	N/R	N/S	N/R	N/R	N/S	N/C	N/C
Life Sciences & Medicine	Agriculture & Forestry	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Anatomy & Physiology	37	82.7	30	5	82.5	7	-0.2
	Biological Sciences	151-200	69.3	151-200	6	68.7	N/C	-0.6
	Dentistry	N/R	37.0	N/R	N/R	40.4	N/C	3.4
	Medicine	41	82.2	37	4	81.7	4	-0.5
	Nursing	15	88.5	21	3	86.3	-6	-2.2
	Pharmacy and Pharmacology	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Psychology	151-200	70.6	151-200	8	68.3	N/C	-2.3
	Veterinary Science	N/R	52.4	N/R	N/R	57.5	N/C	5.1
Natural Sciences	Chemistry	201-250	65.7	201-250	9	65.6	N/C	-0.1
	Earth & Marine Sciences	N/R	69.5	N/R	N/R	68.8	N/C	-0.7
	Environmental Sciences	151-200	74.0	151-200	8	73.4	N/C	-0.6
	Geography	151-200	59.6	201-210	13	65.2	Decrease	5.6
	Geology	N/R	70.3	N/R	N/R	68.4	N/C	-1.9
	Geophysics	N/R	69.1	N/R	N/R	68.1	N/C	-1
	Materials Science	101-150	64.7	101-150	5	74.9	N/C	10.2
	Mathematics	82	74.9	89	6	73.5	-7	-1.4
	Physics & Astronomy	251-300	64.7	251-300	7	63.0	N/C	-1.7

		2021		2022			Δ	
		Subject Rank	Weighted Score	Subject Rank	Canada Rank	Weighted Score	Subject Rank	Weighted Score
Social Sciences & Management	Accounting & Finance	251-300	53.7	251-300	14	59.1	N/C	5.4
	Anthropology	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Business & Management Studies	251-300	60.8	251-300	11	61.9	N/C	1.1
	Communication & Media Studies	N/R	65.3	N/R	N/R	62.0	N/C	-3.3
	Development Studies	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Economics & Econometrics	251-300	60.1	251-300	11	59.6	N/C	-0.5
	Education & Training	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Hospitality & Leisure Management	N/R	35.0	N/R	N/R	41.0	N/C	6
	Law & Legal Studies	N/R	N/S	N/R	N/R	N/S	N/C	N/C
	Library & Information Management	47	62.0	N/R	N/R	57.7	Decrease	-4.3
	Politics & International Studies	N/R	38.3	N/R	N/R	56.4	N/C	18.1
	Social Policy & Administration	N/R	65.1	101-120	3	68.3	Increase	3.2
	Sociology	251-300	58.0	201-250	8	58.8	Increase	0.8
	Sports-related Subjects	19	83.5	22	5	80.0	-3	-3.5
Statistics & Operational Research	51-100	73.9	51-100	3	78.3	N/C	4.4	

N/R = Not Ranked / N/C = No Change / N/S = No Score

Note: For its Faculty Area and Subject Level Rankings, QS may map certain subject areas under Faculty Areas that do not align with McMaster's subject to faculty mapping.