



## By Subject

Fact File | Universitat Politècnica de Catalunya ·  
BarcelonaTech (UPC)

2025

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# Welcome to the **QS World University Rankings by Subject 2025**

This file provides the results for your institution in the broad subject area and narrow subjects where you have been nominated for evaluation in our academic reputation survey, as well as the scores and ranks for those subjects where you scored highly enough to be ranked. It should also provide you with useful information for any media communication you might need to prepare before launch.

To produce the rankings for this year the team analysed the reputation and research output of over 5,200 institutions. From this group, 1,747 were ranked across 55 narrow subjects and 5 broad subject areas, creating over 21,000 entries. These figures reflect some of the scale behind this huge undertaking that the team carries out in order to produce these subject rankings.

Page 3 shows a summary of your scores in broad subject areas you have been analysed in, as well as ranks in the broad subject areas you are to be published in. Page 6 presents a summary of your institution's scores and ranks in narrow subjects.

In the Appendix (page 13) you will find an explanation of the weightings that make up the different subject tables, the evolution of the subject rankings exercise, the paper thresholds that we have used in this edition and an indication of the number of institutions analysed and ranked.

We hope you will find this useful.

**Rankings Team,  
QS Institutional Performance Unit**

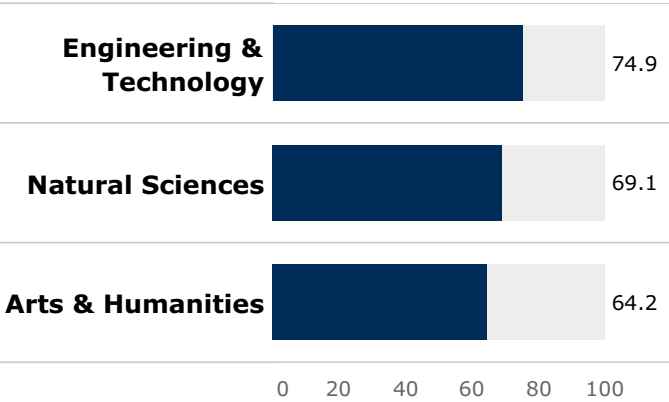
# Broad Subject Rankings Summary

Universitat Politècnica de Catalunya · BarcelonaTech (UPC)

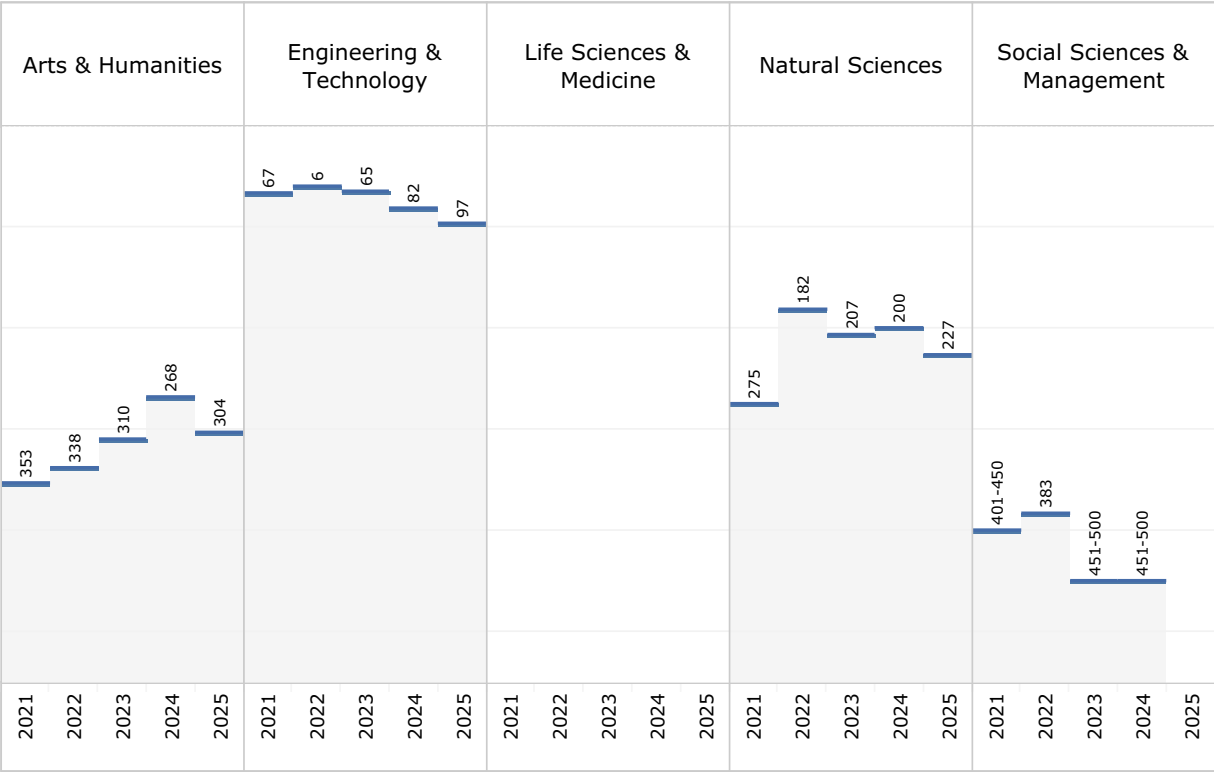
Overall ranks in 2025	Arts & Humanities	Engineering & Technology	Life Sciences & Medicine	Natural Sciences	Social Sciences & Management
	=304	=97	-	=227	-

## Overall Score by Broad Subject Area (0-100)

Rankings Year 2025



## Overall Rank Trend by Broad Subject Area



# Broad Subject Areas - Overall Ranks and Scores by Indicator

## Universitat Politècnica de Catalunya · BarcelonaTech (UPC)

This page displays your institution's comprehensive performance by indicator for all broad subject areas where it meets the ranking criteria. Consult the methodology section for details on the minimum requirements for inclusion in the rankings.

Score (0-100)												Overall Rank	
	Academic		Employer		Citations		H-Index		IRN		Overall		
Arts & Humanities	63.7		64.2		77.7		70.1		40.8		64.2		=304
Engineering & Technology	82.7		62.5		81.0		70.2		79.5		74.9		=97
Life Sciences & Medicine	46.7		65.0		58.2		49.3		40.7		50.8		-
Natural Sciences	65.8		64.1		86.0		71.0		64.4		69.1		=227
Social Sciences & Management	52.3		61.5		83.9		73.7		62.9		59.6		-

If you have a displayed score in reputation and research indicators then you met the minimum reputation and research threshold for consideration. In this case, the only reason you are not ranked is that your score is not high enough to receive a published rank.



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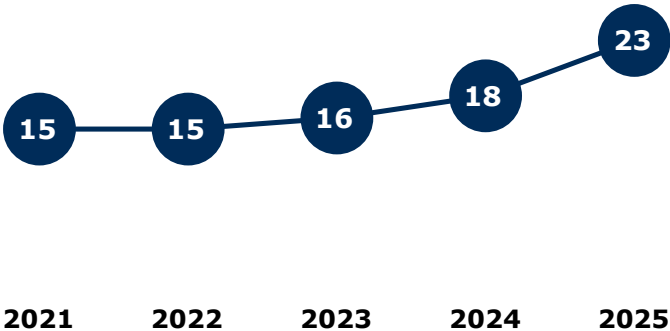
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# Narrow Subject Rankings Overview

Universitat Politècnica de Catalunya · BarcelonaTech (UPC)

Subjects Analysed	Subjects Ranked	Top 100 Subjects
26	23	5

Number of Ranked Subjects



Number of Subjects by Performance Groups - Trend Over Time

	2021	2022	2023	2024	2025
Top 50	3	3	2	3	2
Top 100	5	6	8	8	5
Top 200	12	13	13	14	16
Top 300	14	14	15	15	19
Top 400	15	15	15	16	20
Top 500	15	15	16	18	22

Top Subjects - Universitat Politècnica de Catalunya · BarcelonaTech (UPC) - QS Subject Rankings 2025

21-50 History of Art	38 Architecture	51-100 Civil Engineering	51-100 Data Science	81 Mechanical Engineering
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Note: For visualisation purposes, only shortened subject names are shown here. Full subject names are available here: <https://shorturl.at/lmCI7>

# Narrow Subjects - Overall Rank and Scores by Indicator

If you have a displayed score in reputation and research indicators, then you have met the minimum threshold for consideration in these categories. If you are not ranked, it is because your score is not high enough to qualify for a published rank.

		Rank	Scores (0-100)				
			Overall	Academic	Employer	Citations	H-Index
Arts & Humanities	Archaeology	-					
	Architecture / Built Environment	38	75.5	74.8	71.4	78.6	81.5
	Art & Design	101-150	59.3	58.6	65.1		
	Classics & Ancient History	-					
	English Language & Literature	-					
	History	-					
	History of Art	21-50	77.7	81.2	46.5		
	Linguistics	-					
	Modern Languages	-					
	Music	-					
	Performing Arts	-					
	Philosophy	-					
	Theology, Divinity & Religious Studies	-					
Social Sciences & Management	Accounting & Finance	-					
	Anthropology	-					
	Business & Management Studies	401-450	58.2	50.6	59.9	73.7	75.8
	Communication & Media Studies	-	52.8	43.7	59.0	71.1	54.1
	Development Studies	-	55.1	50.6	62.8	67.1	55.8
	Economics & Econometrics	501-550	56.7	47.6	60.0	69.9	58.5
	Education	351-400	62.9	57.9	58.2	73.2	67.6
	Hospitality & Leisure Management	-					
	Law	-					
	Library & Information Management	-					
	Marketing	-					
	Politics & International Studies	-					
	Social Policy & Administration	-					
	Sociology	-					
	Sports-related Subjects	-					
	Statistics & Operational Research	101-150	71.5	70.9	65.5	72.3	75.0

## Narrow Subjects - Overall Rank and Scores by Indicator (continued)

Rank			Scores (0-100)						
			Overall	Academic	Employer	Citations	H-Index	IRN	
Engineering & Technology	Computer Science & Information Systems	=144	65.6	58.5	62.3	77.5	72.5	94.8	
	Data Science and Artificial Intelligence	51-100	66.1	63.1	58.2	77.6	78.2		
	Engineering - Chemical	201-250	63.7	56.0	63.2	83.7	72.1	57.7	
	Engineering - Civil & Structural	51-100	76.9	82.1	68.2	79.4	78.2		
	Engineering - Electrical & Electronic	110	71.2	67.9	67.8	81.6	74.0	85.4	
	Engineering - Mechanical, Aeronautical & M..	81	74.6	71.7	70.8	85.0	78.6	85.0	
	Engineering - Mineral & Mining	-	60.7	39.1	67.9	85.9	78.8		
	Petroleum Engineering	-							
Life Sciences & Medicine	Agriculture & Forestry	251-300	52.7	46.9	47.9	73.9	59.5	44.1	
	Anatomy & Physiology	-							
	Biological Sciences	451-500	55.1	43.3	59.7	76.7	59.8	44.6	
	Dentistry	-							
	Medicine	-							
	Nursing	-							
	Pharmacy & Pharmacology	-							
	Psychology	-							
	Veterinary Science	-							
Natural Sciences	Chemistry	251-300	63.7	61.1	65.6	79.6	52.8	62.5	
	Earth & Marine Sciences	151-200	70.8	63.6	64.8	84.7	78.2	63.2	
	Environmental Sciences	151-200	72.9	69.1	67.1	84.4	75.1	54.2	
	Geography	-							
	Geology	101-150	74.5	68.2	62.5	86.8	79.6	62.0	
	Geophysics	101-150	74.5	69.5	62.3	83.9	79.3	66.4	
	Materials Science	=110	73.5	70.9	68.9	77.8	72.0	82.4	
	Mathematics	151-200	67.3	61.6	60.7	75.7	79.0	72.7	
	Physics & Astronomy	151-200	67.9	57.7	63.7	86.9	78.6	73.0	

Receiving a score for a particular subject does not guarantee that we have checked for its presence at your institution. These checks are only carried out for institutions with a score high enough to receive a published rank in the subject. However, we encourage institutions to inform us about their subject coverage proactively:

<https://qs-hub2.qs.com/#>





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# Narrow Subjects - Rank Trend

The table below presents the overall ranks in each subject over the last five years.  
Note that only the published ranks are provided. Institutions must meet minimum requirements to be considered in each subject.

		2021	2022	2023	2024	2025
Arts & Humanities	Arts & Humanities	=353	=338	=310	=268	=304
	Archaeology					
	Architecture / Built Environment	20	19	22	26	38
	Art & Design	101-150	101-150	101-150	51-100	101-150
	Classics & Ancient History					
	English Language & Literature					
	History					
	History of Art				21-40	21-50
	Linguistics					
	Modern Languages					
	Music					
	Performing Arts					
	Philosophy					
	Theology, Divinity & Religious Studies					
Social Sciences & Management	Social Sciences & Management	401-450	=383	451-500	451-500	
	Accounting & Finance					
	Anthropology					
	Business & Management Studies	301-350	351-400	401-450	401-450	401-450
	Communication & Media Studies					
	Development Studies					
	Economics & Econometrics				451-500	501-550
	Education					351-400
	Hospitality & Leisure Management					
	Law					
	Library & Information Management					
	Marketing					
	Politics & International Studies					
	Social Policy & Administration					
	Sociology					
	Sports-related Subjects					
	Statistics & Operational Research	101-150	101-150	51-100	101-150	101-150

# Narrow Subjects - Rank Trend (continued)

The table below presents the overall ranks in each subject over the last five years.

		2021	2022	2023	2024	2025
Engineering & Technology	Engineering & Technology	=67	60	=65	=82	=97
	Computer Science & Information Systems	=79	=86	82	88	=144
	Data Science and Artificial Intelligence					51-100
	Engineering - Chemical	151-200	101-150	151-200	151-200	201-250
	Engineering - Civil & Structural	29	29	35	40	51-100
	Engineering - Electrical & Electronic	=46	=52	=58	66	110
	Engineering - Mechanical, Aeronautical & Ma..	81	=78	=81	72	81
	Engineering - Mineral & Mining		49	51-70		
	Petroleum Engineering					
Life Sciences & Medicine	Life Sciences & Medicine					
	Agriculture & Forestry	251-300	251-300	251-300		251-300
	Anatomy & Physiology					
	Biological Sciences				351-400	451-500
	Dentistry					
	Medicine					
	Nursing					
	Pharmacy & Pharmacology					
	Psychology					
Natural Sciences	Veterinary Science					
	Natural Sciences	=275	=182	=207	=200	=227
	Chemistry				201-250	251-300
	Earth & Marine Sciences	151-200		201-230	151-200	151-200
	Environmental Sciences	101-150	101-150	151-200	151-200	151-200
	Geography					
	Geology					101-150
	Geophysics					101-150
	Materials Science	151-200	101-150	101-150	101-150	=110
	Mathematics	=123	=113	=100	95	151-200
	Physics & Astronomy	251-300	151-200	151-200	151-200	151-200



# Conferences 2025

Mark your calendar and start planning for these events



**QS India Summit**  
27-29 January | Goa, India  
[qshesummits.com/india-summit](https://qshesummits.com/india-summit)



**QS China Summit**  
9-10 April | Chengdu, China  
[qshesummits.com/china](https://qshesummits.com/china)



**QS Higher Ed Summit: Middle East**  
20-22 April | Kuwait  
[qshesummits.com/middle-east](https://qshesummits.com/middle-east)



**EduData Summit**  
4-5 June | Singapore  
[edudatasummit.com](https://edudatasummit.com)



**QS Higher Ed Summit: Europe**  
25-27 June | Porto, Portugal  
[qshesummits.com/europe](https://qshesummits.com/europe)



**QS Africa Forum**  
3-4 July | Zanzibar, Africa  
[qsafricaforum.com](https://qsafricaforum.com)



**QS Higher Ed Summit: Americas**  
1-2 October  
[qshesummits.com/americas](https://qshesummits.com/americas)



**QS Arab Forum**  
15-16 October | Doha, Qatar  
[qsarabforum.com](https://qsarabforum.com)



**QS Higher Ed Summit: Asia Pacific**  
4-6 November | Seoul, South Korea  
[qshesummits.com/asia-pacific](https://qshesummits.com/asia-pacific)



**Reimagine Education Conference & Awards**  
9-11 December | London, UK  
[reimagine-education.com](https://reimagine-education.com)

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*Dates and locations of conferences are subjected to change, please check our website for any updates.*

# Methodology - Indicator Definitions

The QS World University Rankings by Subject utilise a set of indicators with variable weights. It's important to note that not every indicator is used across all subjects, depending on the relevance of the available data.

Academic Reputation	Employer Reputation	Citations per Paper	H-Index	International Research Network (IRN)
The Academic Reputation Index, central to the QS World University Rankings® and pivotal in the QS Subject Rankings, assesses global university performance. Launched by QS in 2004, this key metric draws on the insights of international academics to identify institutions that exemplify academic excellence. Their collective expertise sheds light on research quality, strategic partnerships, innovation, and the broader educational and societal influence of these universities.	The Employer Reputation metric stands out in global assessments by uniquely emphasizing employability—an aspect often overlooked by other major rankings. As the sole ranking to prioritize this critical facet of higher education, we recognize that for most undergraduates, the university's standing among employers is a decisive factor in their post-graduation success.	The Citations per Paper metric reflects the research impact and quality of institutions, based on a five-year publication and six-year citation window. For Subject Rankings, citations from specialized journals are doubly weighted, while institutions with fewer publications face adjusted citation counts to maintain equitable outcomes.	The h-index quantifies a researcher's scholarly output and influence by tallying their most-cited works and the corresponding citation count. This index can extend to collective bodies like departments, institutions—our indicator's focus—or even entire countries and academic journals.	The International Research Network (IRN) assesses an institution's global engagement by tracking its international research partnerships and resulting co-authored publications. Leveraging the Margalef Index, widely used in the Environmental Sciences, the IRN reflects the diversity and scope of an institution's research connections and the effectiveness of establishing these global networks.

## Indicator Weightings by Broad Subject Area

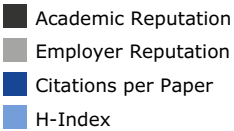


More details about the QS rankings methods can be found at [support.qs.com](https://support.qs.com)

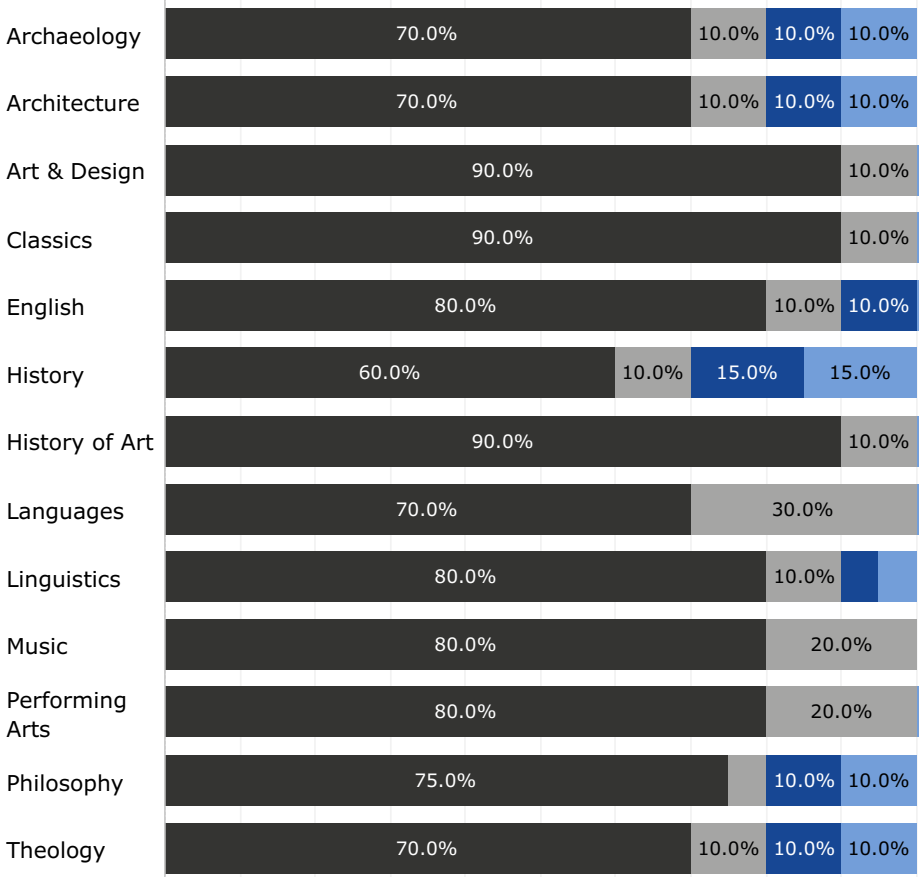
- Academic Reputation
- Employer Reputation
- Citations per Paper
- H-Index
- IRN

# Indicator Weightings by Narrow Subject

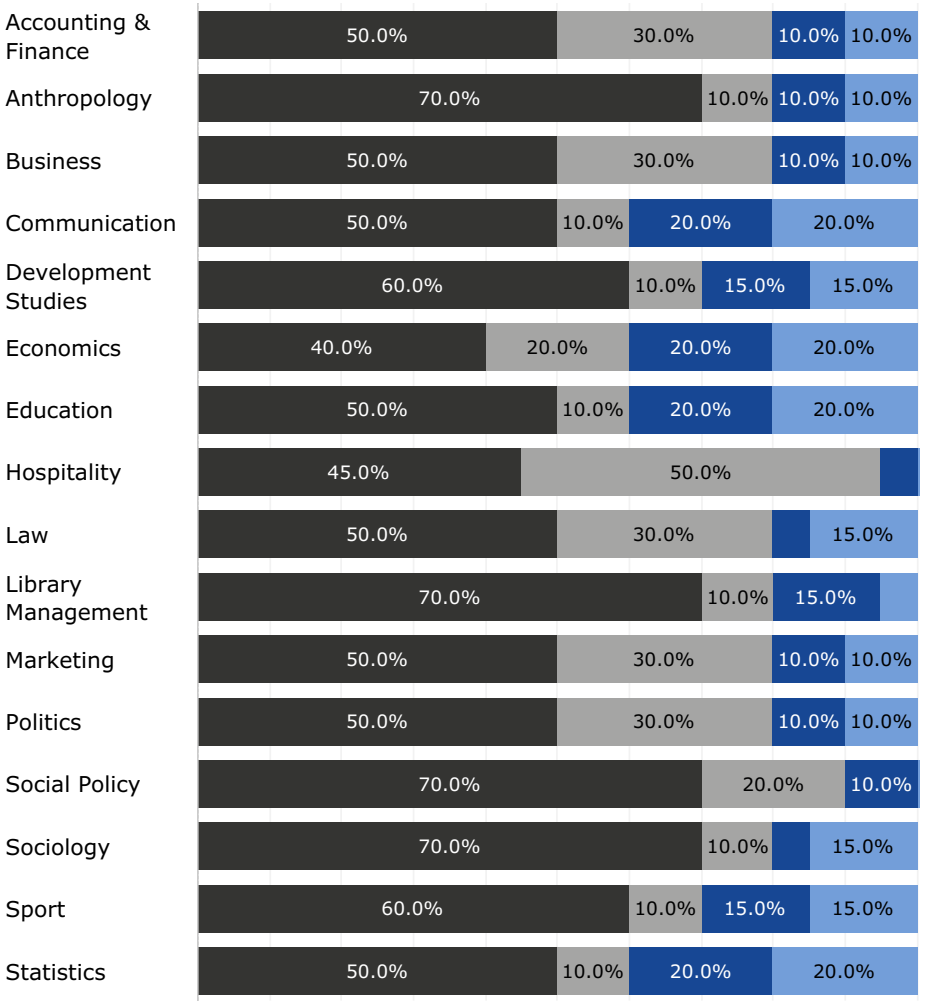
QS uses a variable approach to the weightings for the different subjects. The chart below provides details of the combinations used in the 2025 edition of the rankings.



## Arts & Humanities

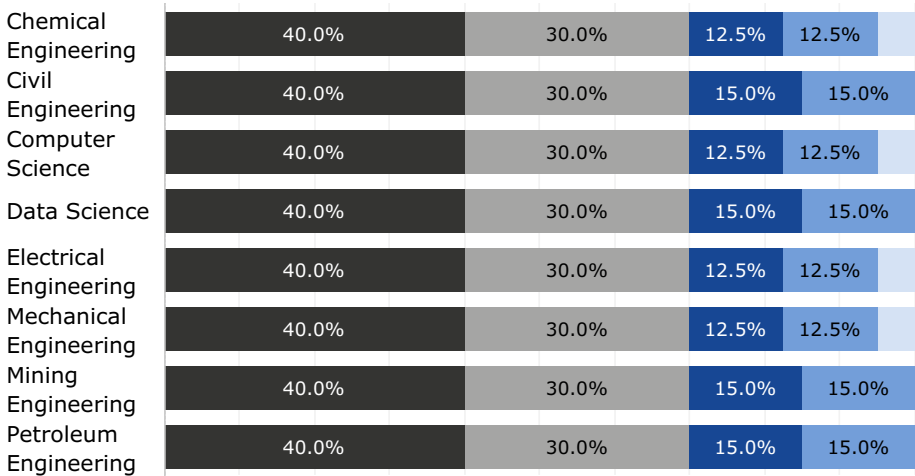


## Social Sciences & Management

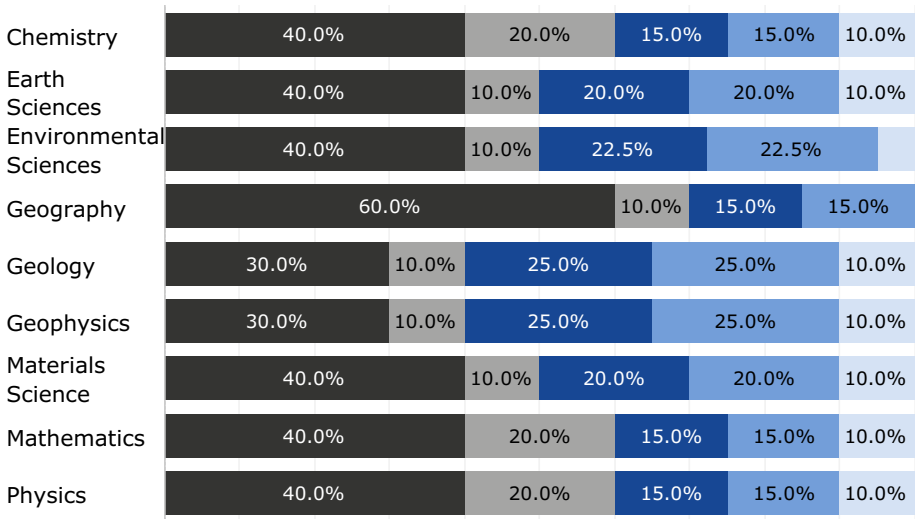


# Indicator Weightings by Narrow Subject

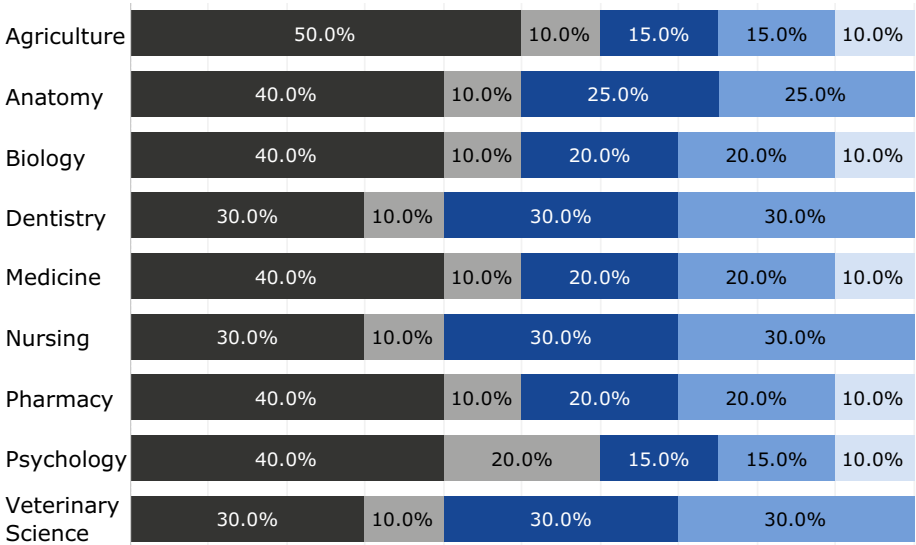
## Engineering & Technology



## Natural Sciences



## Life Sciences & Medicine



- Academic Reputation
- Employer Reputation
- Citations per Paper
- H-Index
- IRN

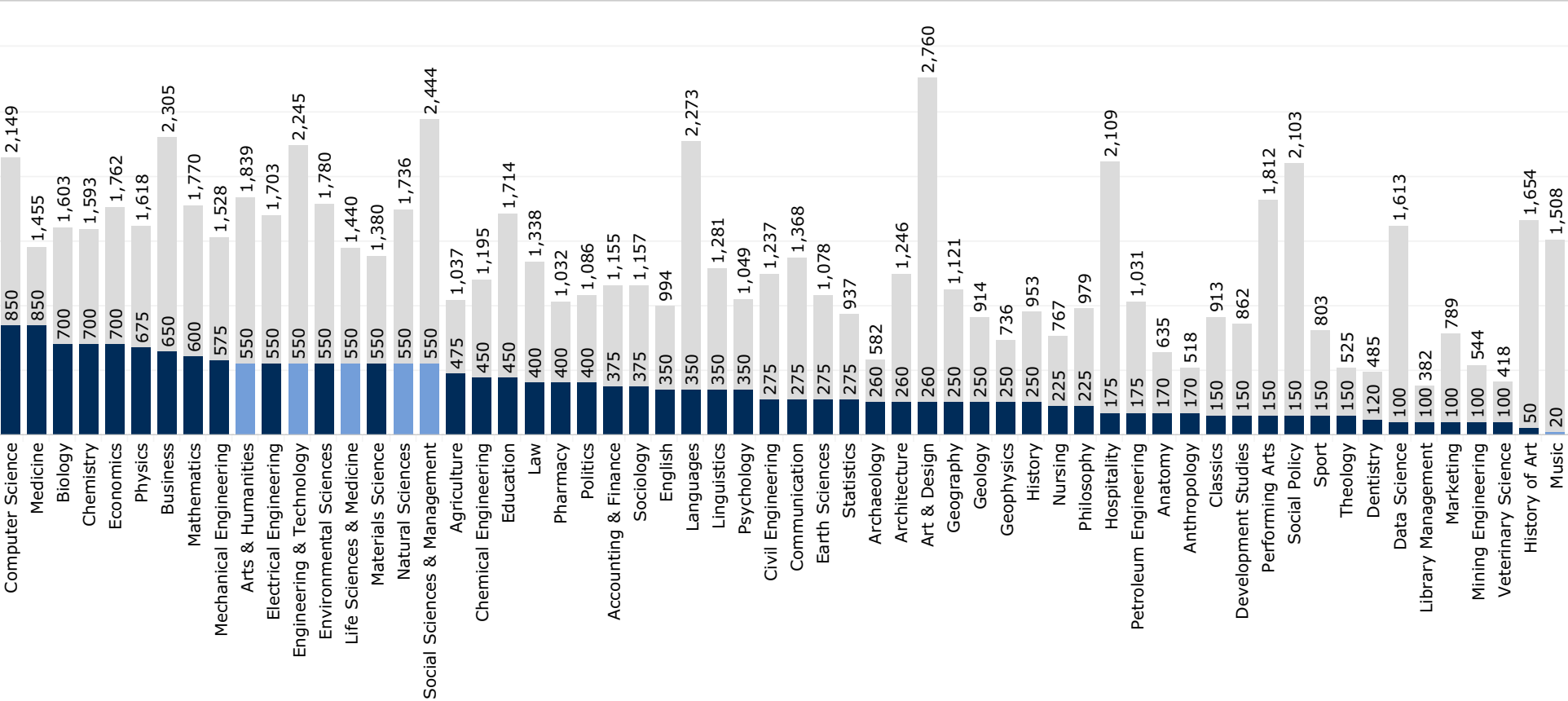


# Institutions Evaluated and Ranked by Subject

Subjects Published	Locations Covered	Institutions Analysed	Institutions Published
55	148	5,203	1,747

Analysed and Published Institutions by Subject - Year 2025

AnalysedPublished (extended)Published



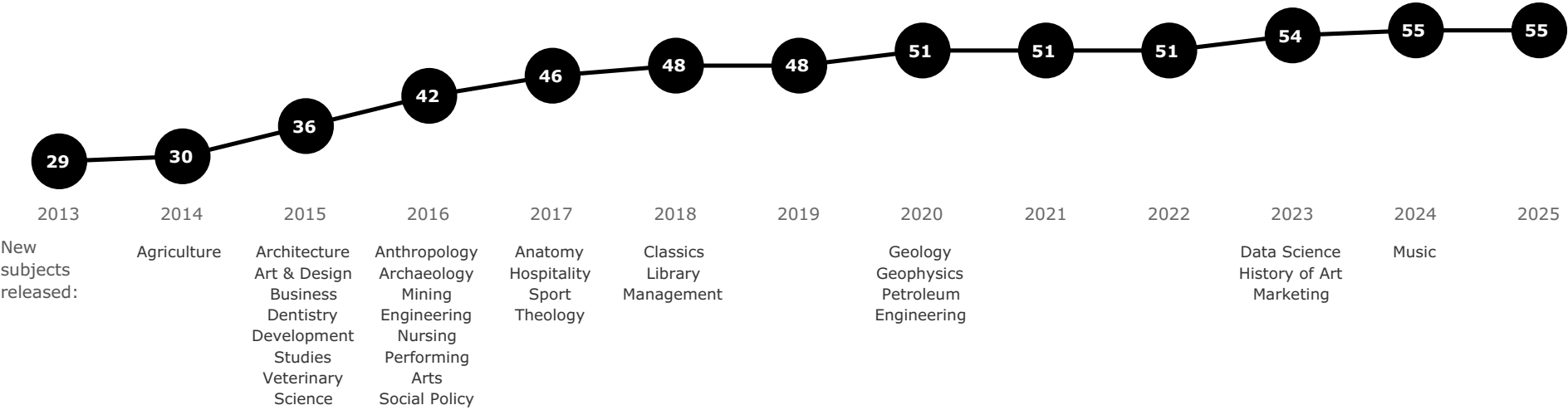
Darker blue indicates extended published ranges in 2025



# Evolution in Published Subjects

The **QS World University Rankings® by Subject** ranks the world’s top universities in individual subject areas, covering 55 disciplines as of 2025. A list of the considered subjects, grouped by the year of first release, is presented below.

The chart below shows the evolution in the total number of published narrow subjects.



## Published Institutions by Location



## Top Locations by number of ranked institutions

United States of America	220
China (Mainland)	124
United Kingdom	104
France	81
India	79
Germany	61
Italy	56
Japan	53
Russian Federation	47
Republic of Korea	47

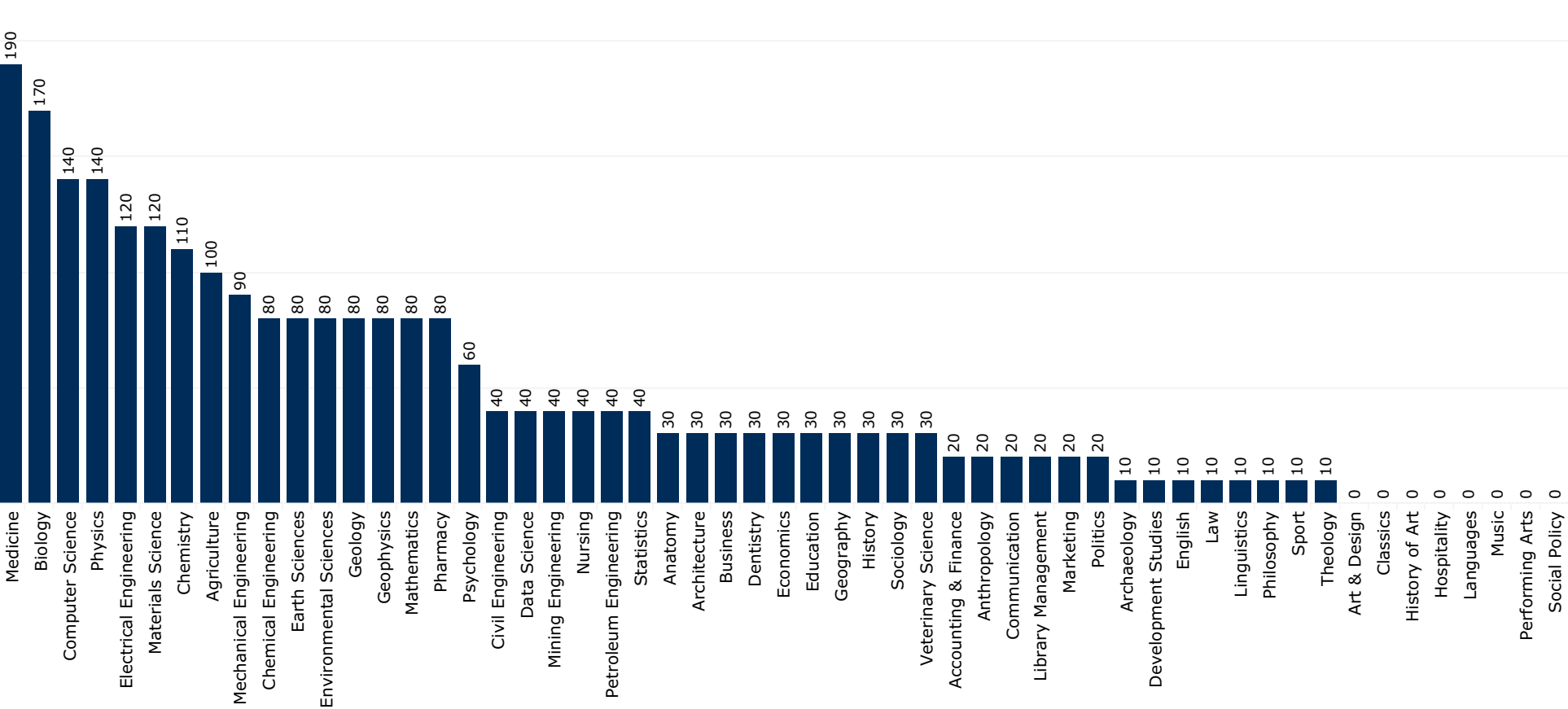
# Minimum Research Activity Required

In order to feature in any discipline table, an institution must meet three simple prerequisites:

- Offer undergraduate or taught postgraduate programmes in the given discipline
- Exceed the minimum required score for the academic and/or employer reputation indicators
- Exceed the five-year threshold for number of papers published and indexed by Scopus in the given discipline

The following chart discloses the minimum number of papers required to be considered in the latest edition of the rankings by subject.

Number of Papers Threshold by Subject - Rankings Year 2025



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