

TABLE 11. 2: Best Global Universities by Subject, including weights and top world and Asian universities by subject

Table 11.2 A: Weights for Subjects

Ranking Indicator	Weights for soft sciences	Weights for hard sciences
Global research reputation	12.5%	12.5%
Regional research reputation	12.5%	12.5%
Publications	17.5%	15%
Normalized citation impact	7.5%	10%
Total citations	12%	15%
Number of publications that are among the 10 percent most cited	17.5%	15%
Percentage of total publications that are among the ten percent most cited	10%	10%
International collaboration	10%	10%

Soft sciences categories include computer science, economics and business, engineering. Social science, public health and mathematics

Table 11.2 B: Best Global Universities by Subject – Global and Asian

Subject ESI Schema	Top in the World by Subject	Global Rank	Top in Asia with Global Rank by Subject	Global Rank	
Agricultural Sciences	Wageningen University (NL)	134	China Agricultural University	4	390
Biology & Biochemistry	Harvard University	1	University of Tokyo	10	24
Chemistry	UC Berkeley	3	University of Tokyo	6	24
Clinical Medicine	Harvard University	1	University of Tokyo	60	24
Computer Science	MIT	2	Tsinghua University	7	67
Economics & Business	Harvard University	1	Hong Kong U Science & Technology	47	129
Engineering ¹	MIT	2	Tsinghua University	2	67
Environment & Ecology	UC Berkeley	3	Peking University	45	39
Geosciences	California U Tech	7	University of Tokyo	17	24

Immunology	Harvard University	1	Osaka University	8	111
Materials Science ²	MIT	2	Fudan University	2	108
Microbiology	UC Berkeley	3	University of Hong Kong	9	42
Molecular Biology & Genetics	Harvard University	1	Tokyo University	13	24
Neuroscience & Behavior ³	Harvard University	1	Tokyo University	61	24
Pharmacology & Toxicology	Harvard University	1	Seoul National University	12	72
Physics	MIT	2	Peking University	15	39
Plant & Animal Science	Cornell University	23	Tokyo University	7	24
Psychiatry/Psychology	Harvard University	1	None		
Social Science & Public Health	Harvard University	1	National University of Singapore	87	55
Space Science	Cal Tech	7	Tokyo University	25	24

Global university performance: The U.S. is number one in all fields except Agricultural Sciences; Harvard University is number one in nine categories

Asian university performance: Japan takes nine top spots with University of Tokyo claiming eight of them. China, Hong Kong, Singapore and South Korea are also represented.

1-Engineering 6/10 and 10 /20

2-Material Science 10 of top 20 – Asian

3-Neuroscience- Only 2 Asian in top 100