

Field of first university degrees and ratio of first university degrees and S&E degrees to 24-year-old population, by selected region and country/economy: 2002 or most recent year

Region/location	Field of first university degree									Ratio of degree to 24-year-old population ^a		
	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E	24-year-olds	First university	NS&E	Social/ behavioral sciences
All regions ^b	9,057,193	3,384,260	736,241	275,599	139,311	989,022	1,244,087	5,672,933	79,363,000	11.4	3.0	1.2
Asia ^b	3,224,593	1,496,795	340,726	38,959	57,963	423,426	635,721	1,727,798	47,948,000	6.7	2.2	0.9
Bangladesh	180,258	74,844	18,905	5,598	1,469	48,002	870	105,414	2,311,000	7.8	1.2	2.1
Cambodia ^c (2001)	3,105	788	94	290	113	217	74	2,317	123,000	2.5	0.5	0.2
China (2003)	929,598	533,582	103,409	NA	29,758	48,878	351,537	396,016	18,775,000	5.0	2.6	0.3
Hong Kong	26,697	9,953	1,635	2,169	0	2,149	4,000	16,744	91,000	29.3	8.6	2.4
India (1990)	750,000	176,036	147,036	NA	NA	NA	29,000	573,964	17,741,000	4.2	1.0	NA
Indonesia (1997)	144,314	97,095	10,711	NA	NA	65,740	20,644	47,219	4,103,000	3.5	0.8	1.6
Japan (2004)	548,897	351,299	19,727	NA	15,865	217,276 ^d	98,431	197,598	1,713,000	32.0	7.8	12.7
Kazakstan (1995)	45,536	13,252	6,779	NA	NA	952	5,521	32,284	246,000	18.5	5.0	0.4
Kyrgyzstan	26,261	6,600	660	1,040	201	1,895	2,804	19,661	86,000	30.5	5.5	2.2
Laos	1,762	1,064	51	51	139	642	181	698	93,000	1.9	0.5	0.7
Malaysia (1990)	10,511	4,760	1,685	NA	NA	2,198	877	5,751	410,000	2.6	0.6	0.5
Mongolia	16,930	5,118	477	429	492	1,381	2,339	11,812	48,000	35.3	7.8	2.9
Singapore (1995)	5,599	5,599	2,103	NA	NA	1,820	1,676	0	56,000	10.0	6.7	3.3
South Korea	239,793	113,097	12,864	13,591	5,910	15,790	64,942	126,696	778,000	30.8	12.5	2.0
Taiwan (2003)	176,044	72,540	4,294	15,791	4,016	6,492	41,947	103,504	402,000	43.8	16.4	1.6
Thailand (1995)	119,288	31,168	10,296	NA	NA	9,994	10,878	88,120	972,000	12.3	2.2	1.0
Middle East ^b	445,488	149,600	36,237	13,636	10,435	44,626	44,666	295,888	5,686,000	7.8	1.8	0.8
Bahrain	1,434	419	54	159	NA	96	110	1,015	13,000	11.0	2.5	0.7
Egypt ^e (1995)	85,608	13,578	6,710	NA	NA	1,437	5,431	72,030	1,173,000	7.3	1.0	0.1
Iran (2000)	69,211	33,625	6,016	3,301	4,785	9,542	9,981	35,586	1,305,000	5.3	1.8	0.7
Israel	31,962	16,154	1,256	2,524	224	8,133	4,017	15,808	106,000	30.2	7.6	7.7
Jordan (1996)	12,633	3,539	1,753	NA	NA	986	800	9,094	103,000	12.3	2.5	1.0
Lebanon (2001)	15,185	5,404	664	651	135	2,086	1,868	9,781	77,000	19.7	4.3	2.7
Morocco	21,667	6,701	2,308	764	NA	2,969	660	14,966	565,000	3.8	0.7	0.5
Oman (2000)	2,344	217	51	7	45	0	114	2,127	41,000	5.7	0.5	0.0
Palestine	9,915	2,737	466	755	45	730	741	7,178	55,000	18.0	3.6	1.3
Qatar	1,330	281	54	98	NA	53	76	1,049	8,000	16.6	2.9	0.7
Saudi Arabia (1996)	26,641	5,879	4,201	NA	NA	828	850	20,762	339,000	7.9	1.5	0.2
Syria (1995)	16,600	4,530	1,398	NA	NA	NA	3,132	12,070	322,000	5.2	1.4	NA
Tunisia (1996)	10,327	3,198	1,719	NA	NA	760	719	7,129	193,000	5.4	1.3	0.4
Turkey (short)	140,631	53,338	9,587	5,377	5,201	17,006	16,167	87,293	1,386,000	10.1	2.6	1.2
Sub-Saharan Africa ^b	174,471	42,291	7,033	4,241	5,633	14,591	10,793	132,180	4,172,000	4.2	0.7	0.3
Eritrea	1,120	536	77	68	116	90	185	584	69,000	1.6	0.6	0.1
Ethiopia ^a	28,688	5,980	355	1,003	1,735	690	2,197	22,708	1,088,000	2.6	0.5	0.1
Ghana (2000)	7,122	2,951	916	0	362	1,177	496	4,171	292,000	2.4	0.6	0.4

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Kenya ^a (2000)	15,620	3,870	1,120	71	1,494	445	740	11,750	606,000	2.6	0.6	0.1
Lesotho	535	191	41	0	30	120	0	344	38,000	1.4	0.2	0.3
Madagascar ^a	5,947	2,079	771	190	53	836	229	3,868	268,000	2.2	0.5	0.3
Mauritius	1,207	716	157	0	83	188	288	491	22,000	5.5	2.4	0.9
Namibia (2001)	2,831	91	38	0	21	32	NA	2,740	31,000	9.1	0.2	0.1
South Africa (1998)	91,892	23,215	3,264	2,766	1,319	10,109	5,757	68,677	780,000	11.8	1.7	1.3
Tanzania (2000)	4,208	1,071	NA	87	299	88	597	3,137	587,000	0.7	0.2	0.0
Uganda (2000)	15,301	1,591	294	56	121	816	304	13,710	391,000	3.9	0.2	0.2
Europe ^b	2,682,448	930,192	222,487	90,098	31,022	216,918	369,667	1,752,256	9,214,000	29.1	7.7	2.4
European Union	1,465,021	506,067	100,596	70,909	16,161	120,122	198,279	958,954	4,770,000	30.7	8.1	2.5
Austria (short)	2,503	1,214	15	51	0	0	1,148	1,289	93,000	2.7	1.3	0.0
Austria (long)	14,323	4,837	832	497	217	1,367	1,924	9,486	93,000	15.4	3.7	1.5
Belgium (long)	24,591	8,831	1,527	763	442	2,418	3,681	15,760	128,000	19.2	5.0	1.9
Denmark (short)	22,912	3,914	607	209	183	1,325	1,590	18,998	67,000	34.2	3.9	2.0
Denmark (long)	142	31	0	0	0	0	31	111	67,000	0.2	0.0	0.0
Finland (short)	20,292	6,289	36	799	500	207	4,747	14,003	67,000	30.3	9.1	0.3
Finland (long)	11,533	5,218	894	498	169	1,371	2,286	6,315	67,000	17.2	5.7	2.0
France (short)	252,954	85,123	27,750	14,512	161	27,893	14,807	167,831	737,000	34.3	7.8	3.8
France (long)	56,055	26,754	0	195	145	0	26,414	29,301	737,000	7.6	3.6	0.0
Germany (short)	60,321	27,080	663	3,622	1,213	253	21,329	33,241	940,000	6.4	2.9	0.0
Germany (long)	115,704	36,320	10,580	5,524	893	7,853	11,470	79,384	940,000	12.3	3.0	0.8
Greece (2000, long)	18,556	4,576	2,570	NA	NA	221	1,785	13,980	160,000	11.6	2.7	0.1
Iceland (short)	1,573	437	77	118	11	151	80	1,136	4,000	39.3	7.2	3.8
Iceland (long)	115	16	16	0	0	0	0	99	4,000	2.9	0.4	0.0
Ireland (short)	20,954	7,550	2,193	2,022	216	1,206	1,913	13,404	66,000	31.7	9.6	1.8
Ireland (long)	798	0	0	0	0	0	0	798	66,000	1.2	0.0	0.0
Italy (short)	17,823	4,850	457	743	175	57	3,418	12,973	687,000	2.6	0.7	0.0
Italy (long)	153,983	57,992	9,193	3,748	1,660	16,644	26,747	95,991	687,000	22.4	6.0	2.4
Netherlands (short)	71,497	18,318	1,996	1,665	1,340	5,660	7,657	53,179	193,000	37.0	6.6	2.9
Netherlands (long)	3,648	1,042	213	71	48	0	710	2,606	193,000	1.9	0.5	0.0
Portugal	63,630	16,875	1,829	1,541	997	4,291	8,217	46,755	153,000	41.6	8.2	2.8
Spain (short)	90,879	24,201	0	4,954	3,027	0	16,220	66,678	660,000	13.8	3.7	0.0
Spain (long)	121,100	46,627	10,405	4,400	1,838	15,410	14,574	74,473	660,000	18.3	4.7	2.3
Sweden (short)	35,345	13,512	1,443	1,637	200	2,197	8,035	21,833	103,000	34.3	11.0	2.1
Sweden (long)	1,410	340	0	0	16	288	36	1,070	103,000	1.4	0.1	0.3
United Kingdom ^c (2003)	282,380	104,120	27,300	23,340	2,710	31,310	19,460	178,260	712,000	39.7	10.2	4.4

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European Free Trade Association	40,529	11,603	1,215	1,891	265	3,462	4,770	28,926	133,000	30.5	6.1	2.6
Norway (short).....	17,796	4,264	39	1,071	64	2,008	1,082	13,532	55,000	32.4	4.1	3.7
Norway (long).....	4,893	1,443	92	175	76	260	840	3,450	55,000	8.9	2.2	0.5
Switzerland (short)	8,427	2,194	2	302	26	119	1,745	6,233	78,000	10.8	2.7	0.2
Switzerland (long).....	9,413	3,702	1,082	343	99	1,075	1,103	5,711	78,000	12.1	3.4	1.4
Central/Eastern Europe.....	1,176,898	412,522	120,676	17,298	14,596	93,334	166,618	764,376	4,311,000	27.3	7.4	2.2
Albania (long).....	4,916	790	38	63	339	132	218	4,126	55,000	8.9	1.2	0.2
Armenia (2000, long).....	10,206	1,343	NA	NA	335	NA	1,008	8,863	61,000	16.7	2.2	NA
Bulgaria	43,303	15,336	1,005	1,038	606	6,245	6,442	27,967	123,000	35.2	7.4	5.1
Croatia	10,192	3,136	538	414	277	452	1,455	7,056	61,000	16.7	4.4	0.7
Czech Republic (short).....	8,686	3,157	282	579	133	1,487	676	5,529	177,000	4.9	0.9	0.8
Czech Republic (long).....	18,359	8,414	910	2,091	978	813	3,622	9,945	177,000	10.4	4.3	0.5
Estonia	5,250	1,623	294	261	134	328	606	3,627	19,000	27.6	6.8	1.7
Georgia	23,552	6,105	925	319	458	195	4,208	17,447	75,000	31.4	7.9	0.3
Hungary (short)	50,505	10,693	581	692	1,864	2,797	4,759	39,812	168,000	30.1	4.7	1.7
Latvia.....	15,232	5,099	461	794	170	2,600	1,074	10,133	30,000	50.8	8.3	8.7
Lithuania.....	22,707	7,031	611	925	404	1,021	4,070	15,676	48,000	47.3	12.5	2.1
Macedonia ^a	4,239	1,204	168	133	186	112	605	3,035	33,000	12.8	3.3	0.3
Poland (short).....	162,918	46,129	2,339	4,231	3,068	24,284	12,207	116,789	630,000	25.9	3.5	3.9
Poland (long).....	98,035	37,644	5,211	2,132	2,184	11,703	16,414	60,391	630,000	15.6	4.1	1.9
Romania	100,042	33,429	4,068	1,985	1,909	6,392	19,075	66,613	398,000	25.1	6.8	1.6
Russia (long) (1999).....	554,814	216,017	101,320	NA	NA	32,288	82,409	338,797	2,146,000	25.9	8.6	1.5
Serbia-Montenegro ^a (2000).....	12,545	4,477	601	378	579	323	2,596	8,068	161,000	7.8	2.6	0.2
Slovak Republic (short).....	7,849	2,527	403	352	104	408	1,260	5,322	95,000	8.3	2.2	0.4
Slovak Republic (long).....	17,047	6,300	725	788	757	872	3,158	10,747	95,000	17.9	5.7	0.9
Slovenia	6,501	2,068	196	123	111	882	756	4,433	31,000	21.0	3.8	2.8
America ^b	2,371,031	717,533	119,882	115,242	32,918	279,283	170,208	1,653,498	12,024,000	19.7	3.6	2.3
North/Central America	1,827,226	589,999	101,426	92,591	25,113	248,473	122,396	1,237,227	6,859,000	26.6	5.0	3.6
Canada (2001)	128,950	59,915	11,580	6,595	2,375	29,270	10,095	69,035	430,000	30.0	7.1	6.8
Costa Rica (2001).....	22,626	4,642	310	616	271	1,509	1,936	17,984	68,000	33.3	4.6	2.2
Cuba (2000).....	16,769	3,374	1,009	219	384	408	1,354	13,395	169,000	9.9	1.8	0.2
El Salvador.....	6,819	1,082	75	196	121	18	672	5,737	137,000	5.0	0.8	0.0
Guatemala.....	3,865	882	82	0	134	254	412	2,983	214,000	1.8	0.3	0.1
Mexico	321,799	99,936	7,695	23,557	4,381	19,621	44,682	221,863	1,843,000	17.5	4.4	1.1
Nicaragua (1997)	6,282	1,965	834	NA	NA	276	855	4,317	96,000	6.5	1.8	0.3
Panama.....	14,386	2,592	73	0	87	681	1,751	11,794	51,000	28.2	3.7	1.3
United States.....	1,305,730	415,611	79,768	61,408	17,360	196,436	60,639	890,119	3,851,000	33.9	5.7	5.1

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South America.....	543,805	127,534	18,456	22,651	7,805	30,810	47,812	416,271	5,165,000	10.5	1.9	0.6
Argentina	55,278	16,334	1,816	3,135	2,029	3,702	5,652	38,944	681,000	8.1	1.9	0.5
Bolivia (2000).....	15,341	5,115	563	392	1,006	997	2,157	10,226	152,000	10.1	2.7	0.7
Brazil (2001).....	395,988	82,876	12,077	19,124	4,770	21,595	25,310	313,112	3,311,000	12.0	1.9	0.7
Chile (1996).....	23,010	10,531	2,358	NA	NA	4,516	3,657	12,479	239,000	9.6	2.5	1.9
Colombia (1996).....	54,188	12,678	1,642	NA	NA	NA	11,036	41,510	782,000	6.9	1.6	NA
Oceania ^b	159,162	47,849	9,876	13,423	1,340	10,178	13,032	111,313	319,000	49.9	11.8	3.2
Australia (short).....	124,867	37,537	8,417	9,912	1,058	7,570	10,580	87,330	265,000	47.1	11.3	2.9
Australia (long).....	13,010	3,595	128	1,791	62	527	1,087	9,415	265,000	4.9	1.2	0.2
New Zealand (short).....	17,794	5,431	1,249	1,550	193	2,061	378	12,363	54,000	33.0	6.2	3.8
New Zealand (long).....	3,491	1,286	82	170	27	20	987	2,205	54,000	6.5	2.3	0.0

NA = not available

NS&E = natural sciences and engineering

^aNumber of degrees per 100 24-year-olds.^bIncludes only locations for which relatively recent data are available.^cEngineering and agriculture degrees are long, >5 years.^dJapanese social science data also include business administration.^eEngineering degrees are long.^fIncludes former colleges and polytechnical institutions. Data for United Kingdom are rounded to nearest 10. Detail may not add to total because of rounding. Ratios based on unrounded data.

NOTES: Physical/biological sciences include physical, biological, earth, atmospheric, and ocean sciences. NS&E includes physical, biological, agricultural, and computer sciences; mathematics; and engineering. Data for first university degrees use International Standard Classification of Education (ISCED 97), level 5A. First university degree programs in most countries are <5 years. However, in some countries, especially European, some level 5A degree programs are >5 years and noted as long. When country has first university degrees that are <5 years and some >5 years, such as Germany, duration is noted as short or long. Unspecified duration means <5 years.

SOURCES: Organisation for Economic Co-operation and Development, Center for Education Research and Innovation, Education database, http://www1.oecd.org/scripts/cde/members/EDU_UOEAuthenticate.asp; United Nations Educational, Scientific, and Cultural Organization (UNESCO), Institute for Statistics, special tabulations; Iberoamerican Network of Science and Technology Indicators (RICYT), *Principales Indicadores de Ciencia y Tecnología* (1999); China—National Bureau of Statistics of China, *China Statistical Yearbook*, annual series (Beijing) various years; India—Department of Science and Technology, *Research and Development Statistics 1996–97* (1999); Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education*, special tabulations (2005); Taiwan—Ministry of Education, *Educational Statistics of the Republic of China: 2004* (2004); United Kingdom—Higher Education Statistics Agency, special tabulations (2005); Russia—Center for Science Research and Statistics, unpublished tabulations (2001); Canada—Statistics Canada, special tabulations (2005); and United States—U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey; and National Science Foundation, Division of Science Resources Statistics, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.

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