

First university degrees, by selected region and country/economy: 2004 or most recent year

Region/location	Field of first university degree								Degrees in (%)		
	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E	S&E	Natural sciences	Engineering
All regions ^a	10,926,433	3,888,857	685,973	422,284	204,982	1,117,061	1,458,547	7,068,388	35.6	12.0	13.3
Asia ^a	3,698,652	1,662,138	357,788	73,956	77,736	411,116	741,542	2,067,665	44.9	13.8	20.1
Bangladesh (2003)	180,258	74,844	18,905	5,598	1,469	48,002	870	105,414	41.5	14.4	0.5
Brunei	724	47	18	13	0	16	0	677	6.5	4.3	0.0
Cambodia	8,544	1,751	129	1,070	165	209	178	6,793	20.5	16.0	2.1
China	1,196,290	672,463	134,164	NA	34,078	61,758	442,463	523,827	56.2	14.1	37.0
Hong Kong	27,329	10,313	1,550	2,438	0	2,382	3,943	17,016	37.7	14.6	14.4
India (1990)	750,000	176,036	147,036	NA	NA	NA	29,000	573,964	23.5	19.6	3.9
Japan ^b (2005)	551,016	349,015	19,260	NA	16,015	215,809	97,931	202,001	63.3	6.4	17.8
Kyrgyzstan	31,115	6,790	678	1,233	402	2,487	1,990	24,325	21.8	7.4	6.4
Laos	1,833	1,044	41	41	120	630	212	789	57.0	11.0	11.6
Mongolia	19,264	4,812	429	510	476	1,264	2,133	14,452	25.0	7.3	11.1
Philippines ^c	350,529	89,241	4,860	26,321	11,764	15,145	31,151	292,439	25.5	12.3	8.9
Singapore ^d	10,165	5,947	1,277	1,161	NA	NA	3,509	4,218	58.5	24.0	34.5
South Korea (short)	261,754	119,338	15,811	14,287	3,228	15,638	70,374	142,416	45.6	12.7	26.9
South Korea (long)	5,304	0	0	0	0	0	0	5,304	0.0	0.0	0.0
Taiwan (2005)	210,763	85,891	4,953	21,284	5,024	7,760	46,870	124,872	40.8	14.8	22.2
Thailand (2001)	93,764	64,606	8,677	NA	4,995	40,016	10,918	29,158	68.9	14.6	11.6
Middle East ^a	623,780	212,555	36,407	32,404	16,805	56,628	70,311	411,225	34.1	13.7	11.3
Bahrain (2003)	1,434	419	54	159	0	96	110	1,015	29.2	14.9	7.7
Iran	183,770	90,055	15,397	12,330	10,076	18,566	33,686	93,715	49.0	20.6	18.3
Iraq	54,396	11,629	1,606	1,289	1,185	570	6,979	42,767	21.4	7.5	12.8
Israel	46,307	20,143	2,391	3,371	276	9,111	4,994	26,164	43.5	13.0	10.8
Jordan	28,195	10,746	1,621	4,214	635	1,486	2,790	17,449	38.1	22.9	9.9
Lebanon	19,590	6,572	1,089	882	108	2,273	2,220	13,018	33.5	10.6	11.3
Morocco	23,653	7,263	2,455	882	0	3,413	513	16,390	30.7	14.1	2.2
Oman	5,028	662	79	252	11	35	285	4,366	13.2	6.8	5.7
Palestine	10,226	2,425	385	589	59	555	837	7,801	23.7	10.1	8.2
Qatar	668	156	41	57	3	30	25	512	23.4	15.1	3.7
Saudi Arabia	62,379	8,692	2,065	2,724	154	2,878	871	53,687	13.9	7.9	1.4
Turkey (short)	188,134	53,793	9,224	5,655	4,298	17,615	17,001	134,341	28.6	10.2	9.0
Africa ^a	174,915	51,231	8,262	8,744	5,857	15,618	12,750	123,684	29.3	13.1	7.3
Burundi	680	207	0	74	51	70	12	473	30.4	18.4	1.8
Eritrea	1,254	501	71	85	104	159	82	753	40.0	20.7	6.5
Ethiopia ^a	41,363	7,812	782	2,088	1,697	734	2,511	33,551	18.9	11.0	6.1
Gambia	470	94	94	0	0	0	0	376	20.0	20.0	0.0
Ghana (2001)	7,122	2,951	916	0	362	1,177	496	4,171	41.4	17.9	7.0
Kenya ^a (2000)	10,587	3,812	1,068	63	1,440	433	808	6,775	36.0	24.3	7.6
Lesotho (2003)	475	190	40	0	30	120	0	285	40.0	14.7	0.0
Madagascar ^a	5,947	2,079	771	190	53	836	229	3,868	35.0	17.1	3.9

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Mauritius.....	1,681	1,054	219	92	10	224	509	627	62.7	19.1	30.3
Mozambique.....	2,878	1,298	245	91	133	724	105	1,580	45.1	16.3	3.6
Namibia (2003).....	1541	186	76	0	87	23	0	1355	12.1	10.6	0.0
South Africa (2003).....	90,270	27,747	3,621	5,911	1,554	9,421	7,240	62,523	30.7	12.3	8.0
Swaziland.....	1,026	147	55	0	30	57	5	879	14.3	8.3	0.5
Uganda.....	9,621	3,153	304	150	306	1,640	753	6,468	32.8	7.9	7.8
Europe ^a	3,624,246	1,137,210	151,886	157,269	68,249	320,944	438,852	2,486,697	31.4	10.4	12.1
European Union.....	1,636,402	617,469	107,739	89,963	21,493	185,997	212,267	1,018,594	37.7	13.4	13.0
Austria (short).....	4,450	2,040	114	595	1	34	1,296	2,410	45.8	16.0	29.1
Austria (long).....	15,838	5,502	866	532	207	2,021	1,876	10,336	34.7	10.1	11.8
Belgium (short).....	14,882	5,657	1,479	661	164	1,313	2,040	9,225	38.0	15.5	13.7
Belgium (long).....	9,992	3,608	234	105	298	1,724	1,247	6,045	39.5	6.4	12.5
Denmark (short).....	26,476	5,462	746	973	143	1,758	1,842	21,014	20.6	7.0	7.0
Denmark (long).....	3,042	1,307	63	37	1	22	1,184	1,735	43.0	3.3	38.9
Finland (short).....	23,896	7,823	302	1,290	673	213	5,345	16,073	32.7	9.5	22.4
Finland (long).....	12,412	5,462	885	676	133	1,384	2,384	6,950	44.0	13.6	19.2
France (short).....	268,716	90,399	29,472	15,406	171	29,635	15,715	178,317	33.6	16.8	5.8
France (long).....	52,722	28,555	0	207	156	0	28,192	24,167	54.2	0.7	53.5
Germany (short).....	82,149	51,003	1,024	6,713	3,138	22,158	17,970	31,146	62.1	13.2	21.9
Germany (long).....	125,653	57,730	10,453	7,472	2,450	27,663	9,692	67,923	45.9	16.2	7.7
Greece (short).....	22,700	7,997	1,952	1,631	16	4,303	95	14,703	35.2	15.9	0.4
Greece (long).....	6,774	3,655	1,342	784	243	332	954	3,119	54.0	35.0	14.1
Iceland (short).....	2,189	589	89	155	20	191	134	1,600	26.9	12.1	6.1
Iceland (long).....	106	20	15	0	0	5	0	86	18.9	14.2	0.0
Ireland (short).....	25,193	8,012	1,955	2,218	208	1,123	2,508	17,181	31.8	17.4	10.0
Ireland (long).....	672	36	0	0	0	0	36	636	5.4	0.0	5.4
Italy (short).....	96,260	38,390	4,929	3,535	1,525	9,761	18,640	57,870	39.9	10.4	19.4
Italy (long).....	168,314	60,377	8,540	2,957	1,815	19,806	27,259	107,937	35.9	7.9	16.2
Netherlands (short).....	84,194	21,553	2,104	3,783	1,644	7,159	6,863	62,641	25.6	8.9	8.2
Portugal.....	52,550	17,759	3,020	2,900	769	4,555	6,515	34,791	33.8	12.7	12.4
Spain (short).....	88,504	24,475	0	5,539	2,564	0	16,372	64,029	27.7	9.2	18.5
Spain (long).....	113,931	42,841	8,872	4,390	1,837	13,326	14,416	71,090	37.6	13.3	12.7
Sweden (short).....	41,133	16,847	1,743	1,804	201	3,228	9,871	24,286	41.0	9.1	24.0
Sweden (long).....	1,564	430	0	0	46	343	41	1,134	27.5	2.9	2.6
United Kingdom ^f	292,090	109,940	27,540	25,600	3,070	33,940	19,780	182,150	37.6	19.2	6.8
European Free Trade Association.....	42,798	12,710	1,535	2,561	331	3,448	4,835	30,088	29.7	10.3	11.3
Norway (short).....	20,277	4,717	151	1,309	110	1,860	1,287	15,560	23.3	7.7	6.3
Norway (long).....	3,416	1,374	51	245	30	59	989	2,042	40.2	9.5	29.0
Switzerland (short).....	10,172	2,801	242	638	129	135	1,657	7,371	27.5	9.9	16.3

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Switzerland (long).....	8,933	3,818	1,091	369	62	1,394	902	5,115	42.7	17.0	10.1
Central/Eastern Europe.....	1,945,046	507,031	42,612	64,745	46,425	131,499	221,750	1,438,015	26.1	7.9	11.4
Albania (2003).....	4,916	790	38	63	339	132	218	4,126	16.1	9.0	4.4
Armenia	11,698	941	0	0	198	0	743	10,757	8.0	1.7	6.4
Bulgaria	41,721	15,616	1,007	1,151	556	6,461	6,441	26,105	37.4	6.5	15.4
Croatia (2003)	10,192	3,136	538	414	277	452	1,455	7,056	30.8	12.1	14.3
Czech Republic (short).....	12,539	3,740	625	560	353	845	1,357	8,799	29.8	12.3	10.8
Czech Republic (long).....	20,587	8,566	951	765	929	412	5,509	12,021	41.6	12.8	26.8
Estonia.....	5,544	1,660	305	287	126	399	543	3,884	29.9	13.0	9.8
Georgia	23,545	6,428	1,013	309	578	289	4,239	17,117	27.3	8.1	18.0
Hungary (short)	53,514	11,640	742	1,306	1,740	3,518	4,334	41,874	21.8	7.1	8.1
Latvia.....	20,273	5,872	352	797	164	2,997	1,562	14,401	29.0	6.5	7.7
Lithuania.....	23,707	7,170	571	948	370	1,185	4,096	16,537	30.2	8.0	17.3
Macedonia ^a	4,835	1,308	204	162	129	128	685	3,527	27.1	10.2	14.2
Poland (short).....	172,537	49,871	2,857	8,677	2,575	23,820	11,942	122,666	28.9	8.2	6.9
Poland (long)	105,972	40,716	3,522	4,108	2,184	13,569	17,333	65,256	38.4	9.3	16.4
Romania	131,828	40,328	5,070	2,089	2,708	8,492	21,969	91,500	30.6	7.5	16.7
Russia (2006).....	1,254,987	293,729	22,883	41,308	31,641	66,209	131,688	961,258	23.4	7.6	10.5
Serbia-Montenegro ^a (2001)	13,925	5,043	773	396	642	342	2,890	8,882	36.2	13.0	20.8
Slovak Republic (short).....	10,119	3,414	576	568	127	341	1,802	6,705	33.7	12.6	17.8
Slovak Republic (long).....	15,762	4,739	359	690	684	830	2,176	11,023	30.1	11.0	13.8
Slovenia	6,845	2,324	226	147	105	1,078	768	4,521	34.0	7.0	11.2
America ^a	2,646,268	774,817	120,408	135,114	34,855	300,899	183,541	1,871,451	29.3	11.0	6.9
North/Central America	1,897,772	616,999	100,212	105,113	23,920	262,898	124,856	1,280,773	32.5	12.1	6.6
Canada	137,296	53,201	9,894	7,267	1,537	23,845	10,658	84,095	38.7	13.6	7.8
Belize.....	150	9	4	5	0	0	0	141	6.0	6.0	0.0
Costa Rica	26,315	5,585	332	1,065	208	1,857	2,123	20,730	21.2	6.1	8.1
Cuba (2001).....	16,769	2,760	395	219	384	408	1,354	14,009	16.5	6.0	8.1
El Salvador (2003).....	8,651	1,365	178	202	173	27	785	7,286	15.8	6.4	9.1
Guatemala (2002)	3,865	882	82	0	134	254	412	2,983	22.8	5.6	10.7
Honduras (2003)	4,386	1,391	25	103	414	57	792	2,995	31.7	12.4	18.1
Mexico.....	276,690	93,858	7,093	24,584	3,912	15,423	42,846	182,832	33.9	12.9	15.5
Panama.....	16,641	2,970	174	508	117	960	1,211	13,671	17.8	4.8	7.3
United States.....	1,407,009	455,848	82,905	71,160	17,041	220,067	64,675	951,161	32.4	12.2	4.6
South America	748,496	157,818	20,196	30,001	10,935	38,001	58,685	590,678	21.1	8.2	7.8
Argentina (2003)	79,227	22,318	2,474	3,867	1,950	6,644	7,383	56,909	28.2	10.5	9.3
Bolivia (2000).....	15,341	5,115	563	392	1,006	997	2,157	10,226	33.3	12.8	14.1
Brazil (2002).....	466,260	92,040	14,539	21,131	4,912	23,434	28,024	374,220	19.7	8.7	6.0
Chile.....	71,502	22,770	2,095	2,948	2,094	4,906	10,727	48,732	31.8	10.0	15.0
Colombia.....	60,574	1,919	0	1,123	796	0	0	58,655	3.2	3.2	0.0

Appendix table 2-37

(Page 4 of 4)

First university degrees, by selected region and country/economy: 2004 or most recent year

Region/location	Field of first university degree								Degrees in (%)		
	All fields	All S&E fields	Physical/biological sciences	Mathematics/computer sciences	Agricultural sciences	Social/behavioral sciences	Engineering	Non-S&E	S&E	Natural sciences	Engineering
Guyana.....	942	332	33	104	22	72	101	610	35.2	16.9	10.7
Venezuela (2002).....	54,650	13,324	492	436	155	1,948	10,293	41,326	24.4	2.0	18.8
Oceania ^a	158,572	50,906	11,222	14,797	1,480	11,856	11,551	107,666	32.1	17.3	7.3
Australia (short).....	125,038	41,071	8,858	12,317	1,244	9,223	9,429	83,967	32.8	17.9	7.5
Australia (long).....	5,171	1,907	525	257	2	509	614	3,264	36.9	15.2	11.9
New Zealand (short).....	27,782	7,834	1,839	2,223	232	2,124	1,416	19,948	28.2	15.5	5.1
New Zealand (long).....	581	94	0	0	2	0	92	487	16.2	0.3	15.8

NA = not available

^aIncludes only locations for which relatively recent data available.^bJapanese social science data also include business administration.^cEngineering data for 2003.^dSingapore data include social sciences in humanities (non-S&E).^eEngineering degrees are long.^fIncludes former colleges and polytechnical institutions. Data for United Kingdom 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. Natural sciences include physical, biological, agricultural, and computer sciences and mathematics. Data for first university degrees use International Standard Classification of Education (ISCED 97), level 5A. First university degree programs in most countries <5 years; however, in some countries, especially European, some level 5A degree programs >5 years and noted as long. When country has first university degrees <5 years and some >5 years, such as Germany, duration noted as short or long. Unspecified duration means <5 years. Data for some countries not in Organisation for Economic Co-operation and Development include degrees comparable with U.S. master's or first professional degrees.

SOURCES: Organisation for Economic Co-operation and Development, Education Online Database, <http://www.oecd.org/education/database/>; United Nations Educational, Scientific, and Cultural Organization (UNESCO), Institute for Statistics, special tabulations (2006); Canada—Statistics Canada, special tabulations (2007); China—National Bureau of Statistics of China, *China Statistical Yearbook, 2005* (Beijing); Germany—Federal Statistical Office, Prüfungen an Hochschulen 2004 (2005); Japan—Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Monbusho Survey of Education, special tabulations (2007); Russia—State University Higher School of Economics, special tabulations (2007); Singapore—Ministry of Education, Education Statistics Digest: 2004; Taiwan—Ministry of Education, Educational Statistics of the Republic of China: 2006 (2006); Thailand—National Statistical Office, Ministry of Information and Communication Technology, *Statistical Yearbook: 2004*; United Kingdom—Higher Education Statistics Agency, special tabulations (2007); and United States—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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