

Appendix table 2-39

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

Sex/location	All fields	All S&E fields	Physical/ biological/ sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Male	3,582,415	1,625,546	178,451	244,449	78,484	499,556	624,616	1,956,869
Asia	1,086,137	580,850	47,602	41,341	27,601	265,861	198,445	505,287
Bangladesh (2003)	119,532	51,103	13,861	4,709	1,223	30,532	778	68,429
Brunei	249	21	11	4	0	6	0	228
Cambodia	6,103	1,503	86	950	142	150	175	4,600
Hong Kong	12,849	6,454	825	1,762	0	854	3,013	6,395
Japan ^a	548,897	351,299	19,727	NA	15,865	217,276	98,431	197,598
Kyrgyzstan	14,014	3,460	131	596	365	957	1,411	10,554
Laos	1,096	658	27	18	90	340	183	438
Mongolia	6,623	2,079	169	245	173	435	1,057	4,544
Philippines	142,102	23,054	1,525	11,254	5,547	4,728	0	119,048
South Korea	135,067	78,732	7,911	8,198	1,930	7,962	52,731	56,335
Taiwan (2005)	99,605	62,487	3,329	13,605	2,266	2,621	40,666	37,118
Middle East	319,339	126,983	15,357	17,841	10,456	25,391	57,938	192,356
Bahrain (2003)	384	137	10	42	NA	15	70	247
Iran	94,933	54,583	5,474	6,046	6,067	7,460	29,536	40,350
Iraq	33,021	8,203	725	680	799	339	5,660	24,818
Israel	18,547	10,318	1,031	2,280	127	3,070	3,810	8,229
Jordan	14,773	6,016	519	2,627	266	586	2,018	8,757
Lebanon	8,922	3,315	405	566	56	579	1,709	5,607
Morocco	13,322	4,863	1,509	693	0	2,248	413	8,459
Oman	1,903	419	34	101	5	35	244	1,484
Palestine	4,792	1,289	129	280	46	292	542	3,503
Qatar	157	45	2	13	0	5	25	112
Saudi Arabia	24,069	4,327	896	1,140	154	1,343	794	19,742
Turkey	104,516	33,468	4,623	3,373	2,936	9,419	13,117	71,048
Africa	48,276	14,560	2,590	2,005	2,291	3,642	4,032	33,716
Burundi	504	163	0	62	40	49	12	341
Eritrea	1,074	450	67	72	94	137	80	624
Ethiopia	29,270	6,639	738	1,488	1,456	608	2,349	22,631
Gambia	402	86	86	0	0	0	0	316
Ghana (2001)	5,232	2,227	694	0	294	801	438	3,005
Madagascar (2002)	3,095	1,343	476	151	25	513	178	1,752
Mauritius	838	568	99	52	5	69	343	270
Mozambique	1,859	891	175	74	95	456	91	968
Swaziland	470	94	31	0	20	40	3	376
Uganda	5,532	2,099	224	106	262	969	538	3,433
Europe	741,110	373,963	51,216	66,069	11,852	76,282	168,554	367,147
Austria	9,965	4,762	442	907	103	743	2,567	5,203
Belgium	11,910	5,504	860	630	261	817	2,936	6,406
Denmark	10,647	4,340	386	811	66	787	2,290	6,307
Finland	13,385	8,569	463	1,140	440	478	6,048	4,816
France	138,765	67,336	14,058	10,372	156	9,651	33,099	71,429
Germany	104,279	68,091	5,412	10,278	2,434	26,519	23,448	36,188
Greece	10,738	5,690	1,790	1,443	121	1,762	574	5,048
Hungary	19,564	6,801	377	921	904	1,325	3,274	12,763
Iceland	725	327	36	113	10	73	95	398
Ireland	10,672	4,796	830	1,571	127	303	1,965	5,876
Italy	111,217	54,798	5,429	3,731	2,068	10,507	33,063	56,419
Netherlands	36,724	14,384	1,229	3,376	928	2,872	5,979	22,340
Norway	9,480	4,158	103	1,260	71	889	1,835	5,322
Portugal	16,637	8,447	946	1,712	285	1,336	4,168	8,190
Spain	80,980	38,805	3,426	7,095	2,549	4,453	21,282	42,175
Sweden	16,177	10,004	648	1,063	119	1,162	7,012	6,173
Switzerland	10,675	4,591	831	886	150	505	2,219	6,084
United Kingdom ^b	128,570	62,560	13,950	18,760	1,060	12,100	16,700	66,010
Central/Eastern Europe	247,006	104,391	6,376	14,997	6,271	19,062	57,685	142,615
Albania (2003)	1,387	363	7	18	164	21	153	1,024

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

Sex/location	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Armenia	5,180	576	0	0	107	0	469	4,604
Bulgaria.....	17,529	7,779	411	529	323	2,518	3,998	9,750
Croatia (2003)	4,125	1,765	164	276	141	164	1,020	2,360
Czech Republic.....	15,226	7,891	687	1,011	590	404	5,199	7,335
Estonia	1,688	782	95	175	51	104	357	906
Georgia	10,972	3,960	241	147	422	78	3,072	7,012
Latvia	6,068	2,567	124	563	99	702	1,079	3,501
Lithuania	8,623	3,980	238	582	170	312	2,678	4,643
Macedonia	1,731	669	59	59	71	38	442	1,062
Poland	103,723	46,355	2,018	9,604	1,999	11,501	21,233	57,368
Romania.....	56,775	21,525	1,870	928	1,595	2,447	14,685	35,250
Slovak Republic.....	11,415	5,008	372	990	485	422	2,739	6,407
Slovenia	2,564	1,171	90	115	54	351	561	1,393
North/Central America	809,121	318,714	42,331	71,989	12,818	94,893	96,683	490,407
Belize.....	53	7	3	4	0	0	0	46
Canada.....	54,122	26,270	4,051	5,119	768	8,126	8,206	27,852
Costa Rica.....	9,986	2,997	150	739	137	406	1,565	6,989
Cuba (2001)	5,702	1,802	208	155	267	136	1,036	3,900
El Salvador (2003)	3,738	916	73	118	148	15	562	2,822
Guatemala (2002).....	2,105	511	24	0	122	40	325	1,594
Mexico	132,341	59,255	3,294	15,160	2,986	4,966	32,849	73,086
Panama.....	4,882	1,390	55	258	63	292	722	3,492
United States.....	596,192	225,909	34,816	50,436	8,327	80,912	51,418	370,283
South America	267,307	77,082	8,021	19,492	6,370	10,548	32,651	190,225
Argentina (2003)	33,346	11,311	876	2,269	1,097	2,040	5,029	22,035
Brazil (2002).....	172,951	50,025	6,048	14,436	3,344	6,804	19,393	122,926
Chile.....	33,815	14,573	1,082	2,241	1,422	1,687	8,141	19,242
Colombia.....	26,800	972	0	483	489	0	0	25,828
Guyana.....	395	201	15	63	18	17	88	194
Oceania.....	64,119	29,003	4,958	10,715	825	3,877	8,628	35,116
Australia.....	53,426	24,733	4,174	9,148	667	3,138	7,606	28,693
New Zealand	10,693	4,270	784	1,567	158	739	1,022	6,423
Female	4,081,684	1,058,156	192,677	128,065	57,087	507,175	173,162	3,023,528
Asia.....	786,049	226,337	24,857	31,454	17,683	114,732	37,611	559,712
Bangladesh (2003)	60,726	23,741	5,044	889	246	17,470	92	36,985
Brunei	475	26	7	9	0	10	0	449
Cambodia.....	2,441	248	43	120	23	59	3	2,193
Hong Kong.....	14,480	3,859	725	676	0	1,528	930	10,621
Japan ^a	225,872	92,968	5,358	NA	6,771	69,784	11,055	132,904
Kyrgyzstan	17,101	3,330	547	637	37	1,530	579	13,771
Laos.....	737	386	14	23	30	290	29	351
Mongolia	12,641	2,733	260	265	303	829	1,076	9,908
Philippines.....	208,427	35,036	3,335	15,067	6,217	10,417		173,391
South Korea.....	131,991	40,606	7,900	6,089	1,298	7,676	17,643	91,385
Taiwan (2005)	111,158	23,404	1,624	7,679	2,758	5,139	6,204	87,754
Middle East	304,441	85,572	21,050	14,563	6,349	31,237	12,373	218,869
Bahrain (2003)	1,050	282	44	117	NA	81	40	768
Iran	88,837	35,472	9,923	6,284	4,009	11,106	4,150	53,365
Iraq	21,375	3,426	881	609	386	231	1,319	17,949
Israel.....	27,760	9,825	1,360	1,091	149	6,041	1,184	17,935
Jordan.....	13,422	4,730	1,102	1,587	369	900	772	8,692
Lebanon.....	10,668	3,257	684	316	52	1,694	511	7,411
Morocco.....	10,331	2,400	946	189	0	1,165	100	7,931
Oman	3,125	243	45	151	6	0	41	2,882
Palestine	5,434	1,136	256	309	13	263	295	4,298
Qatar.....	511	111	39	44	3	25	0	400
Saudi Arabia.....	38,310	4,365	1,169	1,584	0	1,535	77	33,945
Turkey.....	83,618	20,325	4,601	2,282	1,362	8,196	3,884	63,293

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

Sex/location	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Africa.....	23,766	4,736	867	765	455	1,979	670	19,030
Burundi.....	176	44	0	12	11	21	0	132
Eritrea.....	180	51	4	13	10	22	2	129
Ethiopia.....	12,093	1,173	44	600	241	126	162	10,920
Gambia.....	68	8	8	0	0	0	0	60
Ghana (2001).....	1,890	724	222	0	68	376	58	1,166
Madagascar (2002).....	2,852	736	295	39	28	323	51	2,116
Mauritius.....	843	486	120	40	5	155	166	357
Mozambique.....	1,019	407	70	17	38	268	14	612
Swaziland.....	556	53	24	0	10	17	2	503
Uganda.....	4,089	1,054	80	44	44	671	215	3,035
Europe.....	1,001,721	268,182	58,819	27,761	11,722	116,423	53,467	733,539
Austria.....	10,323	2,780	538	220	105	1,312	605	7,543
Belgium.....	12,964	3,761	853	136	201	1,743	828	9,203
Denmark.....	18,871	2,429	423	199	78	993	736	16,442
Finland.....	22,923	4,716	724	826	366	1,119	1,681	18,207
France.....	190,019	51,618	15,414	5,241	171	19,984	10,808	138,401
Germany.....	103,523	40,642	6,065	3,907	3,154	23,302	4,214	62,881
Greece.....	18,736	5,962	1,504	972	138	2,873	475	12,774
Hungary.....	33,950	4,839	365	385	836	2,193	1,060	29,111
Iceland.....	1,570	282	68	42	10	123	39	1,288
Ireland.....	15,193	3,252	1,125	647	81	820	579	11,941
Italy.....	153,357	43,969	8,040	2,761	1,272	19,060	12,836	109,388
Netherlands.....	47,470	7,169	875	407	716	4,287	884	40,301
Norway.....	16,104	2,259	108	294	69	1,249	539	13,845
Portugal.....	35,913	9,312	2,074	1,188	484	3,219	2,347	26,601
Spain.....	121,455	28,511	5,446	2,834	1,852	8,873	9,506	92,944
Sweden.....	26,520	7,273	1,095	741	128	2,409	2,900	19,247
Switzerland.....	9,310	2,028	502	121	41	1,024	340	7,282
United Kingdom ^b	163,520	47,380	13,600	6,840	2,020	21,840	3,090	116,140
Central/Eastern Europe.....	375,614	92,228	11,838	6,738	6,131	42,368	25,153	283,386
Albania (2003).....	3,529	427	31	45	175	111	65	3,102
Armenia.....	6,518	365	0	0	91	0	274	6,153
Bulgaria.....	24,192	7,837	596	622	233	3,943	2,443	16,355
Croatia (2003).....	6,067	1,371	374	138	136	288	435	4,696
Czech Republic.....	17,900	4,415	889	314	692	853	1,667	13,485
Estonia.....	3,856	878	210	112	75	295	186	2,978
Georgia.....	12,573	2,468	772	162	156	211	1,167	10,105
Latvia.....	14,205	3,305	228	234	65	2,295	483	10,900
Lithuania.....	15,084	3,190	333	366	200	873	1,418	11,894
Macedonia.....	3,104	639	145	103	58	90	243	2,465
Poland.....	174,786	44,232	4,361	3,181	2,760	25,888	8,042	130,554
Romania.....	75,053	18,803	3,200	1,161	1,113	6,045	7,284	56,250
Slovak Republic.....	14,466	3,145	563	268	326	749	1,239	11,321
Slovenia.....	4,281	1,153	136	32	51	727	207	3,128
North/Central America.....	1,084,265	296,894	57,856	33,021	10,688	167,948	27,381	787,371
Belize.....	97	2	1	1	0	0	0	95
Canada.....	83,174	26,931	5,843	2,148	769	15,719	2,452	56,243
Costa Rica.....	16,329	2,588	182	326	71	1,451	558	13,741
Cuba (2001).....	11,067	958	187	64	117	272	318	10,109
El Salvador (2003).....	4,913	449	105	84	25	12	223	4,464
Guatemala (2002).....	1,760	371	58	0	12	214	87	1,389
Mexico.....	144,349	34,603	3,799	9,424	926	10,457	9,997	109,746
Panama.....	11,759	1,580	119	250	54	668	489	10,179
United States.....	810,817	229,939	48,089	20,724	8,714	139,155	13,257	580,878
South America.....	411,198	62,298	11,120	9,681	3,404	24,509	13,584	348,900
Argentina (2003).....	45,881	11,007	1,598	1,598	853	4,604	2,354	34,874
Brazil (2002).....	293,309	42,016	8,491	6,695	1,568	16,631	8,631	251,293

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

Sex/location	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Chile.....	37,687	8,197	1,013	707	672	3,219	2,586	29,490
Colombia.....	33,774	947	0	640	307	0	NA	32,827
Guyana.....	547	131	18	41	4	55	13	416
Oceania.....	94,630	21,909	6,270	4,082	655	7,979	2,923	72,721
Australia.....	76,872	18,251	5,215	3,426	579	6,594	2,437	58,621
New Zealand.....	17,758	3,658	1,055	656	76	1,385	486	14,100

NA = not available

^aJapanese social science data include business administration.^bIncludes 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. Data for first university degrees use International Standard Classification of Education (ISCED 97), level 5A. Long (>5 years) and short (<5 years) first university degrees combined. Sum of male plus female greater than total in appendix table 2-37 in a few countries because this table includes some degrees (mostly non-S&E) >6 years in duration.

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); Japan—Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Monbusho Survey of Education, special tabulations (2007); Taiwan—Ministry of Education, Educational Statistics of the Republic of China: 2006 (2006); Germany—Federal Statistical Office, Prüfungen an Hochschulen 2004 (2005); 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>.