

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Argentina																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	79,533	80,296	82,919	76,413	76,413	88,639	NA
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24,940	25,868	27,543	16,192	16,192	30,072	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,713	2,830	2,832	4,686	4,686	3,448	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,385	2,367	2,482	NA	NA	2,120	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,586	3,023	2,968	3,273	3,273	2,893	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,312	10,400	11,004	NA	NA	11,643	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,944	7,248	8,257	8,233	8,233	9,968	NA
Australia																	
All fields	112,745	129,499	137,877	152,287	130,298	176,906	171,582	176,136	177,155	181,457	191,080	196,662	NA	194,610	194,308	192,490	198,097
S&E fields	32,605	37,064	42,598	47,337	44,521	53,129	52,411	51,826	50,029	48,736	48,947	51,115	NA	53,249	53,884	55,182	55,093
Physical and biological sciences and mathematics and statistics	9,070	9,502	9,173	9,040	10,059	11,355	11,849	12,284	12,236	12,257	12,070	12,414	NA	12,838	13,801	16,008	16,020
Computer sciences	5,218	6,896	11,075	14,953	11,904	13,691	12,348	10,737	9,210	7,808	7,211	7,389	NA	6,395	6,141	6,279	6,442
Agricultural sciences	1,366	1,666	1,432	1,534	1,503	1,501	1,462	1,523	1,448	1,480	1,513	1,522	NA	1,222	1,133	1,071	1,159
Social and behavioral sciences	7,414	8,562	9,251	9,673	11,012	14,248	14,395	14,619	14,646	14,301	14,907	15,748	NA	16,649	16,749	17,859	17,418
Engineering	9,537	10,438	11,667	12,137	10,043	12,334	12,357	12,663	12,489	12,890	13,246	14,042	NA	16,145	16,060	13,966	14,054
Austria																	
All fields	15,132	16,754	16,826	18,207	20,288	21,908	23,460	24,242	27,399	31,987	32,143	35,633	38,735	40,811	37,254	37,264	37,358
S&E fields	5,652	6,253	6,576	7,400	8,440	9,135	10,469	10,622	10,906	12,576	12,738	14,164	15,183	14,832	14,285	14,900	15,809
Physical and biological sciences and mathematics and statistics	847	901	944	1,069	1,081	1,321	1,601	1,289	1,474	1,828	2,114	2,423	2,399	2,688	2,592	2,556	2,576
Computer sciences	427	397	451	507	1,026	1,438	1,902	1,947	1,721	1,936	1,454	1,444	1,392	1,412	1,467	1,322	1,342
Agricultural sciences	405	386	346	426	301	352	339	353	359	282	313	409	451	392	376	327	390
Social and behavioral sciences	1,362	1,492	1,763	2,155	2,860	2,908	3,269	3,338	3,539	4,341	4,344	5,119	6,221	5,657	5,050	6,419	6,965
Engineering	2,611	3,077	3,072	3,243	3,172	3,116	3,358	3,695	3,813	4,189	4,513	4,769	4,720	4,683	4,801	4,276	4,537
Belgium																	
All fields	22,526	23,289	24,591	24,384	24,874	24,682	25,143	46,477	35,906	25,014	25,949	24,835	25,401	83,328	61,356	70,513	37,891
S&E fields	9,191	9,725	9,955	10,306	10,550	10,974	11,215	20,374	14,624	10,176	9,933	10,131	10,251	26,608	18,109	16,482	10,702
Physical and biological sciences and mathematics and statistics	1,643	1,699	1,707	1,900	1,890	1,592	1,565	2,820	1,531	1,216	1,102	1,079	1,058	2,544	1,575	1,954	1,292
Computer sciences	327	427	583	484	589	1,108	1,103	1,407	731	291	297	259	295	1,597	1,280	990	851
Agricultural sciences	821	897	760	834	905	956	943	1,690	1,625	1,328	804	737	729	1,853	1,536	1,270	831
Social and behavioral sciences	3,053	3,155	3,224	3,467	3,402	3,921	4,009	7,447	5,336	4,025	3,940	4,200	4,202	9,788	6,372	5,702	2,965
Engineering	3,347	3,547	3,681	3,621	3,764	3,397	3,595	7,010	5,401	3,316	3,790	3,856	3,967	10,826	7,346	6,566	4,763

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(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Brazil</b>																	
All fields	NA	NA	NA	NA	528,223	600,377	677,154	694,150	761,436	820,971	811,197	846,078	861,378	991,010	1,027,092	1,150,067	1,169,449
S&E fields	NA	NA	NA	NA	126,780	130,656	145,983	151,414	156,265	151,666	146,774	156,610	164,809	208,304	219,525	235,267	262,301
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	20,227	22,493	25,254	25,110	27,491	26,041	15,901	18,747	20,567	19,927	20,806	23,066	23,717
Computer sciences	NA	NA	NA	NA	20,098	17,266	18,983	18,580	19,612	21,525	19,272	18,422	19,536	35,249	35,560	37,464	37,943
Agricultural sciences	NA	NA	NA	NA	9,888	10,058	11,543	13,855	14,693	17,104	16,691	17,618	16,752	19,111	20,120	22,641	24,920
Social and behavioral sciences	NA	NA	NA	NA	46,111	51,990	58,250	56,879	57,118	44,236	48,441	50,780	47,012	43,198	43,734	46,165	50,163
Engineering	NA	NA	NA	NA	30,456	28,849	31,953	36,990	37,351	42,760	46,469	51,043	60,942	90,819	99,305	105,931	125,558
<b>Bulgaria</b>																	
All fields	NA	NA	NA	NA	NA	29,535	NA	NA	NA	NA	36,477	NA	NA	38,303	35,556	34,158	33,313
S&E fields	NA	NA	NA	NA	NA	13,381	NA	NA	NA	NA	15,547	NA	NA	16,648	14,786	14,118	13,224
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	1,314	NA	NA	NA	NA	1,438	NA	NA	1,412	1,243	1,224	1,110
Computer sciences	NA	NA	NA	NA	NA	676	NA	NA	NA	NA	949	NA	NA	1,247	1,100	1,222	1,123
Agricultural sciences	NA	NA	NA	NA	NA	434	NA	NA	NA	NA	758	NA	NA	537	523	547	610
Social and behavioral sciences	NA	NA	NA	NA	NA	5,963	NA	NA	NA	NA	6,757	NA	NA	7,577	6,734	6,266	5,706
Engineering	NA	NA	NA	NA	NA	4,994	NA	NA	NA	NA	5,645	NA	NA	5,875	5,186	4,859	4,675
<b>Canada</b>																	
All fields	127,131	NA	NA	NA	137,296	149,910	176,910	160,428	181,580	178,673	178,827	173,021	168,183	193,455	197,776	203,561	194,598
S&E fields	54,029	NA	NA	NA	53,818	60,600	59,937	63,735	72,796	70,474	69,112	67,218	67,338	77,886	77,149	81,880	77,834
Physical and biological sciences and mathematics and statistics	12,120	NA	NA	NA	11,699	11,967	12,138	16,626	19,669	19,176	18,708	18,333	18,429	21,024	17,959	19,090	17,362
Computer sciences	3,657	NA	NA	NA	5,462	6,678	5,565	4,932	3,908	3,512	3,592	3,136	3,221	3,740	3,525	3,773	3,732
Agricultural sciences	1,529	NA	NA	NA	1,609	1,152	1,332	1,206	1,264	1,197	1,194	1,020	930	1,092	2,979	3,077	2,943
Social and behavioral sciences	27,046	NA	NA	NA	24,390	28,491	28,533	28,662	34,352	33,051	32,337	32,096	31,481	35,610	37,337	39,256	37,509
Engineering	9,677	NA	NA	NA	10,658	12,312	12,369	12,309	13,603	13,538	13,281	12,633	13,277	16,418	15,349	16,685	16,288
<b>Chile</b>																	
All fields	NA	NA	NA	NA	71,502	23,530	39,361	40,320	42,044	55,985	53,286	54,901	56,659	32,093	37,286	43,815	43,710
S&E fields	NA	NA	NA	NA	26,506	11,205	18,663	13,810	14,711	18,183	16,358	16,767	18,232	10,454	10,275	11,383	11,158
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	2,232	773	1,154	850	1,140	970	906	966	1,116	2,525	207	185	193
Computer sciences	NA	NA	NA	NA	2,811	581	1,341	735	700	1,279	1,056	1,077	1,273	20	2,860	2,904	2,866
Agricultural sciences	NA	NA	NA	NA	2,781	1,498	1,924	1,332	1,547	2,017	1,977	2,023	2,091	364	438	440	477
Social and behavioral sciences	NA	NA	NA	NA	7,955	4,310	7,295	4,450	4,745	5,612	4,666	4,961	5,209	1,626	175	210	103
Engineering	NA	NA	NA	NA	10,727	4,043	6,949	6,443	6,579	8,305	7,753	7,740	8,543	5,920	6,596	7,645	7,520

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(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
China <sup>a</sup>																	
All fields	495,624	567,839	655,763	929,598	1,196,290	1,465,786	1,726,674	1,995,944	2,256,783	2,455,359	2,590,535	2,796,229	3,038,473	3,199,716	3,413,787	3,585,940	NA
S&E fields	359,478	337,352	384,529	533,582	672,463	796,430	911,846	1,031,911	1,143,338	1,225,642	1,288,999	1,387,374	1,500,689	1,559,840	1,653,565	1,716,413	NA
Physical and biological sciences and mathematics and statistics	49,214	63,517	72,526	103,409	134,164	163,076	194,807	228,090	251,610	264,494	269,053	279,101	294,060	248,790	255,304	255,632	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	19,154	19,005	22,462	29,758	34,078	35,419	36,740	43,270	45,649	46,847	48,442	51,148	53,789	58,752	59,796	60,908	NA
Social and behavioral sciences	78,205	35,267	37,517	48,878	61,758	80,710	104,665	126,807	141,475	150,666	158,286	172,583	188,257	193,530	206,239	219,365	NA
Engineering	212,905	219,563	252,024	351,537	442,463	517,225	575,634	633,744	704,604	763,635	813,218	884,542	964,583	1,058,768	1,132,226	1,180,508	NA
Colombia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	117,624	157,574	167,897	178,379	192,631
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	42,920	116,895	59,894	62,529	68,613
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,317	3,692	3,054	2,949	2,895
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	NA	7,526	7,407	7,845
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,937	2,209	3,533	3,105	3,452
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11,867	76,418	16,608	18,180	19,674
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25,731	34,576	29,173	30,888	34,747
Costa Rica																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38,487	41,546	39,937	38,324
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,588	8,834	7,838	9,005
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,561	335	563	724
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,020	1,766	1,903
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	476	427	274	421
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15,791	2,848	2,068	2,988
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,760	3,204	3,167	2,969
Croatia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,362	18,059	18,951	18,027
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,615	6,387	6,694	6,756
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	598	730	772	734
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,041	698	871	884
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	721	707	761	738
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,409	1,373	1,395	1,273
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,846	2,879	2,895	3,127

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(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Cyprus</b>																	
All fields	NA	NA	NA	NA	NA	1,410	NA	NA	NA	NA	2,348	NA	NA	3,374	3,589	3,564	3,481
S&E fields	NA	NA	NA	NA	NA	384	NA	NA	NA	NA	787	NA	NA	1,075	1,144	1,191	1,157
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	84	NA	NA	NA	NA	95	NA	NA	125	146	153	185
Computer sciences	NA	NA	NA	NA	NA	118	NA	NA	NA	NA	137	NA	NA	129	147	147	132
Agricultural sciences	NA	NA	NA	NA	NA	*	NA	NA	NA	NA	*	NA	NA	22	29	34	28
Social and behavioral sciences	NA	NA	NA	NA	NA	174	NA	NA	NA	NA	278	NA	NA	304	312	323	363
Engineering	NA	NA	NA	NA	NA	8	NA	NA	NA	NA	277	NA	NA	495	510	534	449
<b>Czechia</b>																	
All fields	25,544	25,854	27,045	28,652	33,126	38,415	45,226	51,419	55,611	57,548	60,525	60,617	60,195	62,521	59,735	48,479	45,636
S&E fields	11,207	11,246	11,857	12,213	12,551	14,099	16,862	19,128	21,894	20,864	20,521	19,711	19,790	20,497	19,955	18,035	17,261
Physical and biological sciences and mathematics and statistics	1,298	1,264	1,484	1,582	1,865	1,789	1,991	2,216	3,060	2,828	2,971	2,841	2,845	3,052	3,722	2,389	2,339
Computer sciences	1,930	2,257	2,378	943	1,036	1,180	1,736	2,053	2,567	2,733	2,647	2,613	2,629	2,856	2,716	2,087	1,871
Agricultural sciences	1,090	1,217	1,202	1,364	1,430	1,642	1,999	1,944	2,001	2,042	1,948	2,076	2,284	2,211	1,818	1,605	1,639
Social and behavioral sciences	2,581	2,344	2,495	2,197	1,354	2,204	2,650	3,033	3,734	5,001	5,437	5,638	5,512	5,291	4,730	5,305	4,869
Engineering	4,308	4,164	4,298	6,127	6,866	7,284	8,486	9,882	10,532	8,260	7,518	6,543	6,520	7,087	6,969	6,649	6,543
<b>Denmark</b>																	
All fields	6,735	23,848	23,054	24,904	29,518	31,222	30,049	30,534	29,750	29,510	32,073	33,115	32,643	37,610	41,234	42,581	45,505
S&E fields	2,364	4,606	4,519	5,153	7,354	7,583	7,326	8,390	8,080	7,925	8,312	8,560	8,655	8,697	10,416	10,798	12,791
Physical and biological sciences and mathematics and statistics	507	610	657	880	1,252	1,103	902	1,013	961	1,008	1,130	1,148	1,061	1,179	1,356	1,338	2,251
Computer sciences	161	153	159	193	567	598	597	519	638	685	862	1,080	1,174	1,277	1,537	936	1,447
Agricultural sciences	171	242	183	134	242	229	196	216	314	322	385	326	210	232	409	615	522
Social and behavioral sciences	1,484	1,924	1,899	2,191	2,267	2,269	2,254	2,384	2,213	2,444	2,665	2,489	2,568	2,313	3,031	3,519	4,480
Engineering	41	1,677	1,621	1,755	3,026	3,384	3,377	4,258	3,954	3,466	3,270	3,517	3,642	3,696	4,083	4,390	4,091
<b>Estonia</b>																	
All fields	NA	NA	NA	NA	NA	5,801	5,605	5,820	4,995	4,926	4,837	5,172	4,747	8,007	7,398	7,346	7,139
S&E fields	NA	NA	NA	NA	NA	2,085	1,995	2,140	1,899	1,799	1,722	1,916	1,848	2,662	2,450	2,497	2,504
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	420	309	364	347	279	276	313	347	420	349	381	388
Computer sciences	NA	NA	NA	NA	NA	303	285	310	233	197	214	226	233	392	371	359	441
Agricultural sciences	NA	NA	NA	NA	NA	247	204	188	176	157	155	198	181	178	130	132	124
Social and behavioral sciences	NA	NA	NA	NA	NA	459	606	679	633	654	545	602	519	486	536	569	628
Engineering	NA	NA	NA	NA	NA	656	591	599	510	512	532	577	568	1,186	1,064	1,056	923

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(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Finland																	
All fields	25,269	28,272	31,825	34,975	36,308	36,506	37,948	40,732	57,515	30,873	32,946	34,772	35,345	34,362	35,061	37,761	36,915
S&E fields	10,425	10,388	11,821	12,808	13,661	13,787	14,219	15,044	21,862	10,139	11,745	12,249	12,180	11,656	11,821	12,946	12,918
Physical and biological sciences and mathematics and statistics	1,256	1,133	1,103	1,102	1,471	1,251	1,377	1,569	3,600	965	1,112	1,129	1,015	899	929	1,212	1,125
Computer sciences	585	737	1,124	1,379	1,682	1,777	1,719	1,749	2,993	1,057	1,230	1,119	1,110	2,307	2,274	2,415	2,518
Agricultural sciences	575	748	713	815	865	845	851	869	1,286	665	790	762	721	716	714	818	802
Social and behavioral sciences	1,716	1,719	1,848	1,905	1,914	1,976	2,325	2,624	5,283	1,669	1,921	1,952	1,959	1,596	1,671	1,878	1,799
Engineering	6,293	6,051	7,033	7,607	7,729	7,938	7,947	8,233	8,700	5,783	6,692	7,287	7,375	6,138	6,233	6,623	6,674
France																	
All fields	275,316	300,088	309,009	328,784	328,784	273,523	285,238	287,035	287,234	286,450	NA	NA	NA	NA	NA	340,449	356,330
S&E fields	120,705	130,705	117,832	125,304	125,304	101,548	107,572	107,200	106,765	106,462	NA	NA	NA	NA	NA	127,138	129,028
Physical and biological sciences and mathematics and statistics	42,121	46,051	35,356	37,549	37,549	23,100	24,877	24,871	23,474	22,345	NA	NA	NA	NA	NA	26,993	28,292
Computer sciences	6,432	6,889	7,101	7,536	7,536	9,740	10,332	9,938	10,425	11,341	NA	NA	NA	NA	NA	12,465	12,852
Agricultural sciences	2,724	2,871	661	710	710	3,041	3,398	3,234	3,158	3,297	NA	NA	NA	NA	NA	4,455	4,061
Social and behavioral sciences	35,135	38,708	33,493	35,602	35,602	27,265	29,556	28,613	28,685	28,278	NA	NA	NA	NA	NA	32,145	31,449
Engineering	34,293	36,186	41,221	43,907	43,907	38,402	39,409	40,544	41,023	41,201	NA	NA	NA	NA	NA	51,080	52,374
Germany																	
All fields	178,618	173,407	176,025	183,322	196,608	197,770	267,597	294,357	322,651	356,522	369,059	383,166	386,090	369,046	374,904	380,059	380,089
S&E fields	69,053	65,380	66,357	69,549	74,979	78,470	100,212	110,774	124,465	134,781	144,724	152,872	155,223	157,719	158,833	161,118	155,533
Physical and biological sciences and mathematics and statistics	14,851	13,750	14,196	14,079	15,054	16,358	24,784	28,485	34,751	39,573	41,441	43,267	41,630	30,014	29,826	28,210	26,050
Computer sciences	5,365	5,600	6,193	7,603	10,367	12,199	13,824	15,623	16,186	16,932	16,560	16,276	16,312	15,105	15,474	16,392	16,127
Agricultural sciences	3,030	2,931	2,971	3,382	3,524	3,192	3,272	3,336	3,694	3,888	3,836	4,396	4,266	7,165	7,195	7,261	7,067
Social and behavioral sciences	9,488	8,997	10,198	10,937	11,935	13,356	24,125	26,842	29,705	30,224	33,876	34,671	34,368	23,691	24,009	23,138	22,974
Engineering	36,319	34,102	32,799	33,548	34,099	33,365	34,207	36,488	40,129	44,164	49,011	54,262	58,647	81,744	82,330	86,117	83,316
Greece																	
All fields	NA	NA	NA	NA	29,474	35,219	NA	30,437	35,425	NA	32,723	32,988	32,809	53,394	53,979	51,044	51,935
S&E fields	NA	NA	NA	NA	12,073	15,013	NA	13,526	16,122	NA	15,040	15,222	14,687	26,199	25,398	22,381	21,905
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	4,679	4,146	NA	2,677	3,280	NA	3,320	3,353	3,275	3,375	3,687	3,930	3,572
Computer sciences	NA	NA	NA	NA	1,030	1,745	NA	822	1,199	NA	1,017	1,016	1,074	2,440	2,251	1,370	1,419
Agricultural sciences	NA	NA	NA	NA	271	668	NA	1,042	1,000	NA	986	1,079	1,143	3,039	2,240	1,660	1,294
Social and behavioral sciences	NA	NA	NA	NA	5,044	5,206	NA	5,756	6,676	NA	5,514	5,811	5,352	6,987	7,157	5,222	6,137
Engineering	NA	NA	NA	NA	1,049	3,248	3,848	3,229	3,967	NA	4,203	3,963	3,843	10,358	10,063	10,199	9,483

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Hungary</b>																	
All fields	46,978	47,436	50,505	52,812	53,514	57,162	53,114	51,458	49,067	52,364	49,380	41,506	38,456	37,979	39,578	41,917	40,271
S&E fields	10,784	10,354	11,783	12,436	14,503	13,915	12,489	12,884	12,212	16,566	17,152	14,122	12,961	13,597	14,355	15,489	15,271
Physical and biological sciences and mathematics and statistics	562	578	656	864	814	778	771	719	761	1,679	2,129	1,701	1,408	1,606	1,721	1,878	1,839
Computer sciences	504	485	617	584	1,234	1,262	2,825	2,979	2,537	2,166	1,788	1,360	1,113	956	935	1,099	2,135
Agricultural sciences	1,754	1,753	1,992	1,912	1,842	1,665	1,532	1,533	1,110	1,187	1,344	871	659	758	846	961	1,314
Social and behavioral sciences	3,089	3,574	3,759	4,582	6,279	5,960	3,567	3,463	3,691	6,440	6,484	5,009	4,533	4,376	4,326	4,277	3,630
Engineering	4,875	3,964	4,759	4,494	4,334	4,250	3,794	4,190	4,113	5,094	5,407	5,181	5,248	5,901	6,527	7,274	6,353
<b>Iceland</b>																	
All fields	1,440	1,636	1,688	2,001	2,295	2,451	2,794	2,805	2,672	2,442	2,864	NA	2,828	2,543	NA	NA	2,700
S&E fields	399	480	490	578	636	612	699	745	762	717	828	NA	1,060	928	NA	NA	1,132
Physical and biological sciences and mathematics and statistics	94	111	98	105	119	124	130	127	106	91	122	NA	140	134	NA	NA	132
Computer sciences	51	67	113	121	140	86	84	63	65	68	63	NA	87	97	NA	NA	225
Agricultural sciences	9	23	11	16	20	18	23	21	11	11	14	NA	31	33	NA	NA	49
Social and behavioral sciences	152	180	188	215	223	248	268	346	354	334	340	NA	483	384	NA	NA	393
Engineering	93	99	80	121	134	136	194	188	226	213	289	NA	319	280	NA	NA	333
<b>India</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,657,525	6,253,524	6,840,370	6,657,525
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,578,565	4,231,819	4,762,561	4,578,565
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	927,905	793,632	908,886	927,905
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	338,062	420,249	469,927	338,062
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	48,258	35,733	37,040	48,258
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,396,732	2,215,215	2,525,629	2,396,732
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	867,608	766,990	821,079	867,608
<b>Indonesia</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	577,985	531,943	604,435	NA	899,759	673,231	822,182
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	214,762	206,049	234,221	NA	270,865	217,393	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23,700	22,403	25,450	NA	13,712	18,101	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14,405	13,532	15,380	NA	91,191	37,342	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39,494	37,553	42,659	NA	30,604	24,360	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34,663	31,564	35,846	NA	49,685	82,806	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	102,500	100,997	114,886	NA	85,673	54,784	NA

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Ireland																	
All fields	19,407	19,648	21,752	24,915	25,865	26,486	28,132	29,448	29,379	27,412	27,084	27,443	27,368	29,391	40,856	41,072	39,939
S&E fields	6,897	7,017	7,755	7,921	8,338	5,736	NA	NA	NA	7,060	7,611	7,853	10,931	7,683	12,111	14,541	14,294
Physical and biological sciences and mathematics and statistics	2,379	2,220	2,323	2,141	2,071	1,075	NA	NA	NA	1,843	1,740	2,530	2,685	1,689	2,633	3,724	3,635
Computer sciences	1,257	1,622	1,892	2,346	2,102	1,015	NA	NA	NA	747	988	530	895	953	1,993	2,587	2,822
Agricultural sciences	295	286	285	265	288	229	238	334	269	274	274	301	301	263	611	872	930
Social and behavioral sciences	908	1,154	1,342	942	1,333	808	NA	NA	NA	1,474	1,479	1,429	3,946	1,699	1,902	2,453	2,250
Engineering	2,058	1,735	1,913	2,227	2,544	2,609	2,505	2,027	2,780	2,722	3,130	3,063	3,104	3,079	4,972	4,905	4,657
Israel																	
All fields	30,267	30,545	31,962	33,480	34,703	36,261	38,065	39,259	39,357	40,583	42,850	44,846	47,413	49,567	51,761	50,688	51,856
S&E fields	14,259	15,526	16,154	17,386	16,577	17,141	17,409	18,533	18,046	17,897	20,989	22,078	25,079	23,358	23,892	23,766	23,380
Physical and biological sciences and mathematics and statistics	2,999	3,525	3,780	3,983	4,691	4,567	4,097	2,826	2,649	2,580	2,507	2,284	2,703	2,330	2,079	2,145	2,313
Computer sciences	NA	NA	NA	NA	NA	NA	NA	947	1,031	1,149	1,409	1,478	1,722	2,418	2,513	2,467	2,680
Agricultural sciences	171	181	224	214	195	222	242	259	258	184	201	203	221	213	250	255	256
Social and behavioral sciences	8,327	8,465	8,133	8,626	7,307	7,241	7,995	9,765	9,520	9,080	11,774	12,577	14,376	12,810	13,252	13,127	12,460
Engineering	2,762	3,355	4,017	4,563	4,384	5,111	5,075	4,736	4,588	4,904	5,098	5,536	6,057	5,587	5,799	5,773	5,671
Italy																	
All fields	150,677	159,276	171,806	201,019	264,574	291,304	273,451	251,155	231,082	222,631	211,770	216,509	204,675	221,907	225,599	219,037	225,115
S&E fields	59,851	62,075	65,964	76,848	108,879	122,124	115,346	102,942	91,827	89,220	84,546	84,737	72,315	82,834	85,799	87,381	83,830
Physical and biological sciences and mathematics and statistics	12,008	11,865	12,622	13,603	16,750	16,957	15,569	13,455	12,991	13,095	13,094	13,237	12,493	14,266	14,471	14,650	14,538
Computer sciences	1,704	1,626	1,519	2,423	3,211	3,459	3,541	3,385	2,933	2,870	2,778	2,420	2,223	2,247	2,240	8,537	2,483
Agricultural sciences	2,492	2,729	3,117	4,083	4,760	4,968	4,804	4,744	4,286	4,332	3,311	4,133	4,092	4,365	4,843	5,075	5,780
Social and behavioral sciences	15,962	17,082	18,541	21,377	38,259	47,616	47,003	42,230	36,664	34,654	32,644	32,118	30,231	29,354	30,631	33,120	28,858
Engineering	27,685	28,773	30,165	35,362	45,899	49,124	44,429	39,128	34,953	34,269	32,719	32,829	23,276	32,602	33,614	25,999	32,171
Japan <sup>b</sup>																	
All fields	538,683	545,512	547,711	544,894	548,897	551,016	558,184	559,090	555,690	559,539	541,428	541,428	558,692	558,853	565,573	578,990	576,012
S&E fields	353,465	359,019	357,282	352,088	351,299	349,015	350,137	344,990	336,815	333,553	321,168	325,365	319,783	316,730	315,812	180,888	178,891
Physical and biological sciences and mathematics and statistics	13,300	14,192	19,369	19,549	19,727	19,260	19,805	19,536	19,094	18,790	18,413	18,297	18,116	18,063	17,828	18,233	18,112
Computer sciences	4,941	4,965	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	15,562	14,084	16,393	15,933	15,865	16,015	16,019	16,122	16,113	16,797	17,071	17,235	17,388	17,330	17,326	17,610	17,379
Social and behavioral sciences	216,506	221,300	217,838	215,205	217,276	215,809	217,638	213,179	206,392	204,282	196,061	199,784	196,735	195,024	193,974	59,069	58,100
Engineering	103,156	104,478	103,682	101,401	98,431	97,931	96,675	96,153	95,216	93,684	89,623	90,049	87,544	86,313	86,684	85,976	85,300

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Latvia</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,886	12,763	8,838	8,908	8,358
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,759	3,613	2,794	3,112	2,913
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	294	292	280	326	258
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	402	386	330	364	360
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	161	157	160	200	165
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,388	1,117	978	1,081	1,031
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,514	1,661	1,046	1,141	1,099
<b>Lithuania</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30,688	25,344	24,518	22,563
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,777	9,394	8,965	8,443
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	798	773	797	840
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	676	529	442	468
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	590	535	559	529
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,167	2,948	2,813	2,472
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,546	4,609	4,354	4,134
<b>Luxembourg</b>																	
All fields	232	NA	NA	NA	NA	NA	NA	NA	330	NA	NA	NA	635	617	599	625	750
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	128	NA	NA	NA	197	177	199	190	268
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	38	15	34	19	29
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	44	NA	NA	NA	26	24	14	21	33
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	*	NA	NA	NA	*	NA	NA	NA	31
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	58	NA	NA	NA	93	92	100	107	123
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	13	NA	NA	NA	40	46	51	43	52
<b>Malta</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,153	2,108	2,067	2,166
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	827	840	848	843
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	191	163	280	120
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	219	221	212	207
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	12	2	11
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	256	246	227	277
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	161	198	127	228



TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Mexico</b>																	
All fields	287,019	296,485	321,799	280,589	276,690	309,266	339,340	343,328	336,810	362,241	372,997	402,476	425,754	450,922	467,079	486,967	580,231
S&E fields	96,474	101,635	113,201	99,134	104,934	121,523	131,743	136,777	130,418	143,152	145,876	159,873	170,472	180,755	189,782	194,886	221,456
Physical and biological sciences and mathematics and statistics	7,309	7,252	9,076	7,610	8,103	9,308	10,261	10,684	11,033	11,682	11,668	11,601	12,745	12,768	14,197	15,176	16,167
Computer sciences	18,236	21,305	22,176	24,221	23,574	27,702	28,844	27,612	26,354	25,604	12,392	12,621	12,676	12,557	11,706	9,395	10,155
Agricultural sciences	5,495	5,873	6,911	5,978	6,119	6,169	6,806	6,764	6,454	7,645	6,656	6,794	8,008	8,895	9,575	10,394	11,135
Social and behavioral sciences	25,099	26,203	30,356	14,211	24,292	31,016	33,577	38,935	33,751	41,688	43,712	44,621	46,651	46,204	46,965	48,511	58,518
Engineering	40,335	41,002	44,682	47,114	42,846	47,328	52,255	52,782	52,826	56,533	71,448	84,236	90,392	100,331	107,339	111,410	125,481
<b>Netherlands</b>																	
All fields	69,809	71,237	75,145	82,425	84,194	90,033	94,600	92,844	89,331	90,445	91,389	93,582	102,042	92,323	93,306	98,461	99,426
S&E fields	19,219	19,393	20,391	21,027	22,643	25,416	28,541	25,829	23,192	22,502	22,642	23,444	26,414	25,987	26,714	28,257	28,577
Physical and biological sciences and mathematics and statistics	2,464	2,295	2,467	2,523	2,376	2,517	1,539	1,416	1,318	1,312	1,344	1,566	1,731	3,547	3,762	3,977	4,171
Computer sciences	1,108	1,303	1,478	1,620	3,511	3,902	4,617	4,385	4,078	3,918	3,843	3,626	3,994	2,047	2,067	2,250	2,538
Agricultural sciences	1,561	1,636	1,535	1,640	1,865	1,864	1,234	1,239	1,080	1,058	1,275	1,086	1,026	927	984	1,014	937
Social and behavioral sciences	6,337	6,278	6,544	7,014	8,028	10,172	13,497	11,598	9,849	9,207	9,116	9,777	11,322	11,890	12,276	13,220	13,144
Engineering	7,749	7,881	8,367	8,230	6,863	6,961	7,654	7,191	6,867	7,007	7,064	7,389	8,341	7,576	7,625	7,796	7,787
<b>New Zealand</b>																	
All fields	20,968	21,414	21,285	20,925	28,451	29,178	31,737	31,975	29,816	31,712	30,657	34,479	37,660	34,756	35,178	36,728	36,520
S&E fields	4,530	5,187	7,086	6,812	8,535	8,815	9,850	9,094	10,026	11,823	11,643	12,742	14,227	11,412	11,499	12,042	12,450
Physical and biological sciences and mathematics and statistics	2,348	2,521	1,551	1,418	2,131	2,279	2,466	2,343	2,752	3,036	3,013	3,252	3,664	2,717	2,599	2,707	2,583
Computer sciences	392	453	1,500	1,623	1,931	1,888	1,738	1,397	1,255	1,406	1,396	1,420	1,723	1,544	1,815	2,186	2,476
Agricultural sciences	258	271	290	264	303	322	436	362	243	268	282	255	311	455	461	545	490
Social and behavioral sciences	547	563	2,380	2,285	2,662	2,685	3,271	3,100	3,606	4,879	4,589	5,390	5,793	4,031	3,855	3,755	3,828
Engineering	985	1,379	1,365	1,222	1,508	1,641	1,939	1,892	2,170	2,234	2,363	2,425	2,736	2,666	2,769	2,850	3,074
<b>Norway</b>																	
All fields	22,421	24,091	22,689	23,306	25,584	24,987	26,047	26,295	26,929	26,773	28,581	30,251	30,251	31,573	33,297	34,110	34,290
S&E fields	4,996	6,343	5,854	6,294	6,802	5,878	6,466	6,178	6,637	6,402	7,269	7,747	7,503	8,047	8,674	8,990	8,669
Physical and biological sciences and mathematics and statistics	146	168	131	88	250	224	428	475	528	564	712	726	760	1,025	1,097	1,148	984
Computer sciences	773	1,041	1,246	1,503	1,515	1,133	943	739	794	748	771	943	822	962	1,121	1,122	1,194
Agricultural sciences	270	280	190	179	194	208	207	233	185	197	177	187	177	187	198	240	233
Social and behavioral sciences	2,116	2,605	2,365	2,261	2,469	2,253	2,825	2,582	2,840	2,411	2,808	2,897	2,633	2,768	3,095	3,019	2,907
Engineering	1,691	2,249	1,922	2,263	2,374	2,060	2,063	2,149	2,290	2,482	2,801	2,994	3,111	3,105	3,163	3,461	3,351

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Poland																	
All fields	207,791	240,976	260,953	269,861	278,509	287,607	293,045	309,526	321,762	327,241	355,220	359,564	318,912	282,071	256,910	238,225	218,759
S&E fields	67,689	78,951	85,486	90,170	93,268	96,922	110,568	119,826	120,927	119,857	128,991	131,298	112,374	103,833	96,989	95,076	92,830
Physical and biological sciences and mathematics and statistics	7,783	8,905	9,801	9,363	8,483	8,720	14,394	15,054	15,382	14,800	17,344	15,544	13,016	11,772	10,534	10,151	9,446
Computer sciences	1,912	3,542	4,112	5,879	10,681	13,116	14,788	14,209	13,023	12,406	12,535	12,315	10,873	9,534	8,636	8,785	8,756
Agricultural sciences	4,928	5,359	5,740	5,354	5,323	5,668	5,821	6,934	6,994	6,695	7,524	6,437	4,977	4,562	4,037	4,103	3,805
Social and behavioral sciences	28,068	34,602	37,212	38,873	39,506	40,298	41,489	46,535	49,849	50,857	53,216	49,852	40,574	34,509	29,672	26,259	26,060
Engineering	24,998	26,543	28,621	30,701	29,275	29,120	34,076	37,094	35,679	35,099	38,372	47,150	42,934	43,456	44,110	45,778	44,763
Portugal																	
All fields	51,361	NA	NA	63,630	NA	50,319	50,666	63,924	65,747	55,639	54,011	51,713	51,010	59,168	55,424	55,360	54,991
S&E fields	15,553	NA	NA	18,505	NA	20,070	20,757	30,604	32,108	21,242	18,622	18,611	18,861	24,450	22,685	23,102	23,605
Physical and biological sciences and mathematics and statistics	1,122	NA	NA	2,535	NA	3,907	3,360	3,730	4,179	2,426	2,109	2,203	2,351	2,731	2,765	2,866	2,979
Computer sciences	1,559	NA	NA	835	NA	2,242	2,422	4,206	4,696	1,009	773	779	702	782	658	576	557
Agricultural sciences	882	NA	NA	1,236	NA	1,120	961	1,263	1,751	1,131	834	867	676	1,068	1,052	1,157	1,185
Social and behavioral sciences	5,703	NA	NA	5,682	NA	6,049	6,861	8,429	7,863	6,322	5,925	5,783	5,993	6,410	6,002	6,119	6,059
Engineering	6,287	NA	NA	8,217	NA	6,752	7,153	12,976	13,619	10,354	8,981	8,979	9,139	13,459	12,208	12,384	12,825
Romania																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97,661	82,850	76,780	72,147
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45,300	39,795	33,530	32,089
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,923	3,772	4,558	4,192
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,543	1,455	4,855	4,333
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,661	1,418	3,234	2,966
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15,002	13,043	7,246	6,846
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23,171	20,107	13,637	13,752
Russia																	
All fields	NA	NA	NA	NA	NA	NA	1,151,645	NA	NA	1,358,463	1,442,317	1,441,533	1,406,050	129,375	1,234,449	1,150,775	1,223,070
S&E fields	NA	NA	NA	NA	NA	NA	252,752	NA	NA	440,873	463,356	445,876	429,052	67,013	473,720	407,487	527,757
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	26,492	34,475	23,627	22,913	5,066	21,648	27,939	36,641
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	64,190	68,668	67,765	63,072	8,342	48,064	46,443	56,036
Agricultural sciences	NA	NA	NA	NA	NA	NA	41,874	NA	NA	21,984	21,184	20,292	21,093	957	19,495	17,961	17,929
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	88,473	90,903	94,145	92,818	33,439	165,999	96,085	159,441
Engineering	NA	NA	NA	NA	NA	NA	210,878	NA	NA	239,734	248,126	240,047	229,156	19,209	218,514	219,059	257,710

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Saudi Arabia</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85,105	90,562	96,380	130,577	130,577	154,596
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28,540	32,860	5,544	41,389	41,389	48,916
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12,261	13,685	NA	15,264	15,264	16,916
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,967	4,919	NA	5,663	5,663	7,176
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	220	281	395	320	320	387
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,675	9,929	NA	14,195	14,195	17,596
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,417	4,046	5,149	5,947	5,947	6,841
<b>Slovakia</b>																	
All fields	20,129	23,588	24,896	23,814	25,881	27,085	30,516	34,019	50,040	53,742	42,027	38,602	36,263	34,478	32,354	29,346	26,933
S&E fields	5,756	8,450	9,334	8,139	8,637	9,618	9,341	10,703	14,814	16,040	12,459	11,384	10,932	11,839	11,034	10,153	9,457
Physical and biological sciences and mathematics and statistics	502	1,090	1,245	893	1,110	1,142	1,207	1,509	2,161	2,247	1,751	1,596	1,407	1,784	1,607	1,551	1,442
Computer sciences	829	1,062	1,023	942	1,083	1,041	1,072	1,356	1,475	1,565	1,487	1,364	1,261	970	971	1,054	992
Agricultural sciences	863	965	941	1,039	886	1,140	974	1,272	1,283	1,400	779	644	667	765	682	644	716
Social and behavioral sciences	485	1,162	1,707	1,505	1,580	1,817	1,920	2,253	4,033	4,480	3,421	3,262	3,332	4,124	3,931	3,443	3,223
Engineering	3,077	4,171	4,418	3,760	3,978	4,478	4,168	4,313	5,862	6,348	5,021	4,518	4,265	4,196	3,843	3,461	3,084
<b>Slovenia</b>																	
All fields	NA	NA	NA	NA	NA	6,197	6,617	6,347	6,645	7,729	9,616	10,255	12,102	13,918	13,181	12,545	21,244
S&E fields	NA	NA	NA	NA	NA	2,125	2,103	2,255	2,197	2,581	3,506	4,011	5,134	5,608	5,284	4,911	8,186
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	293	220	258	219	272	405	545	701	814	759	690	837
Computer sciences	NA	NA	NA	NA	NA	83	102	120	142	135	188	305	487	498	551	402	660
Agricultural sciences	NA	NA	NA	NA	NA	153	171	152	170	179	295	305	314	314	277	261	565
Social and behavioral sciences	NA	NA	NA	NA	NA	873	940	999	907	1,178	1,296	1,324	1,960	1,794	1,697	1,613	2,484
Engineering	NA	NA	NA	NA	NA	723	670	726	759	817	1,322	1,532	1,673	2,188	2,000	1,945	3,640
<b>South Africa</b>																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	57,188	61,194	64,547	72,762	85,203	92,321	NA
S&E fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21,625	22,497	23,458	8,718	32,208	35,944	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,748	5,163	5,714	NA	7,600	8,060	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,751	1,873	1,693	NA	2,670	2,746	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,101	1,123	1,360	1,639	1,676	1,809	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,498	8,623	8,626	NA	13,156	15,258	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,527	5,715	6,065	7,079	7,106	8,071	NA

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
South Korea																	
All fields	214,498	239,702	244,852	258,126	267,058	268,833	270,546	277,858	315,204	310,025	308,162	321,798	325,665	325,113	329,444	350,706	359,288
S&E fields	99,352	113,988	116,317	119,104	124,479	123,440	120,612	121,293	134,850	130,740	128,788	135,113	133,996	132,817	132,823	141,363	146,438
Physical and biological sciences and mathematics and statistics	18,096	19,537	17,760	22,232	20,646	19,209	19,039	19,255	19,726	19,998	19,902	20,566	20,037	23,726	24,288	25,682	26,456
Computer sciences	4,630	8,888	8,695	4,934	9,452	9,378	10,519	11,593	13,700	13,027	12,306	11,990	12,405	6,976	6,506	7,450	7,837
Agricultural sciences	6,479	6,210	6,153	2,530	3,520	4,753	4,437	4,215	4,854	4,742	4,354	4,419	4,405	3,047	3,049	3,039	3,047
Social and behavioral sciences	13,639	17,037	18,767	18,908	20,487	19,298	18,016	18,247	19,332	18,535	18,456	20,139	20,641	23,282	23,316	25,203	26,731
Engineering	56,508	62,316	64,942	70,500	70,374	70,802	68,601	67,983	77,238	74,438	73,770	77,999	76,508	75,786	75,664	79,989	82,367
Spain																	
All fields	207,578	211,349	211,979	209,373	202,435	195,946	192,178	185,151	187,420	193,523	197,890	220,221	208,961	216,903	235,672	225,531	203,253
S&E fields	71,842	76,628	76,744	76,313	72,985	70,684	68,432	66,297	64,815	67,114	68,021	77,137	75,110	81,704	83,052	83,145	71,040
Physical and biological sciences and mathematics and statistics	13,772	13,631	12,850	11,957	10,849	9,950	9,206	8,289	8,186	7,612	7,575	8,988	9,545	12,014	12,233	12,853	11,277
Computer sciences	6,146	7,280	6,909	7,519	7,952	8,488	9,205	9,178	8,775	9,031	8,831	7,407	7,768	7,179	6,859	6,374	5,196
Agricultural sciences	6,073	5,746	6,098	6,193	5,592	5,459	4,544	4,330	4,006	4,170	4,122	3,587	3,741	4,196	4,033	3,313	3,255
Social and behavioral sciences	18,670	19,677	20,093	18,500	17,804	17,925	16,948	16,117	15,668	15,953	16,358	16,303	18,195	20,842	21,241	19,466	18,728
Engineering	27,181	30,294	30,794	32,144	30,788	28,862	28,529	28,383	28,180	30,348	31,135	40,852	35,861	37,473	38,686	41,139	32,584
Sweden																	
All fields	34,097	34,542	36,755	39,333	42,697	46,046	47,490	45,641	44,784	41,912	40,702	46,018	43,113	34,016	36,176	36,471	50,796
S&E fields	12,405	13,483	14,511	15,368	18,177	17,383	17,843	16,513	15,575	14,737	14,044	15,519	16,114	11,222	12,408	12,886	19,241
Physical and biological sciences and mathematics and statistics	1,405	1,582	1,578	1,639	1,967	1,890	1,960	1,846	1,776	1,724	1,455	1,499	1,319	901	1,061	1,243	1,456
Computer sciences	1,114	1,317	1,502	1,602	1,580	1,630	1,587	1,258	944	888	803	988	1,084	1,062	1,273	1,338	1,450
Agricultural sciences	300	320	283	301	305	316	291	226	289	289	246	278	344	119	145	167	297
Social and behavioral sciences	2,652	2,889	3,077	3,428	4,413	4,693	5,124	5,159	5,011	4,859	4,812	5,520	6,142	5,603	5,975	6,152	7,256
Engineering	6,934	7,375	8,071	8,398	9,912	8,854	8,881	8,024	7,555	6,977	6,728	7,234	7,225	3,537	3,954	3,986	8,782
Switzerland																	
All fields	19,028	18,516	17,840	18,358	19,985	21,259	25,254	27,423	29,132	28,731	28,622	28,280	28,733	50,095	52,405	53,818	53,378
S&E fields	6,303	6,079	6,127	6,170	7,111	7,543	8,928	9,837	10,020	9,308	8,689	9,091	9,581	15,684	15,922	17,102	17,371
Physical and biological sciences and mathematics and statistics	1,299	1,308	1,248	1,150	1,499	1,629	1,770	1,954	2,006	1,834	1,603	1,743	1,897	1,918	1,898	2,323	2,288
Computer sciences	178	334	481	549	841	826	898	937	925	677	619	606	637	1,394	1,336	1,544	1,593
Agricultural sciences	263	258	217	262	292	272	254	276	279	200	334	284	231	980	770	838	856
Social and behavioral sciences	1,264	1,304	1,333	1,514	1,920	2,121	2,950	3,253	3,687	3,257	3,053	3,247	3,102	3,122	3,033	3,174	3,191
Engineering	3,299	2,875	2,848	2,695	2,559	2,695	3,056	3,417	3,123	3,340	3,080	3,211	3,714	8,270	8,885	9,223	9,443

TABLE S2-15

## S&amp;E first university degrees, by selected region, country, or economy and field: 2000–16

(Number)

Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Taiwan																	
All fields	100,171	117,430	146,166	176,044	192,854	210,763	219,919	228,645	230,198	227,885	227,174	228,878	232,448	226,799	228,762	229,546	232,417
S&E fields	39,804	48,624	61,540	72,540	79,283	85,891	89,741	92,167	92,636	88,859	88,294	88,102	88,578	84,597	83,394	81,755	80,504
Physical and biological sciences and mathematics and statistics	6,100	6,211	6,718	7,106	7,283	7,917	8,357	8,986	9,592	9,830	9,864	9,852	10,106	9,882	9,408	9,272	9,612
Computer sciences	5,391	6,864	9,516	12,979	15,813	18,320	20,292	15,848	15,861	14,680	14,489	14,012	14,447	13,884	13,694	13,691	12,959
Agricultural sciences	3,259	3,200	3,583	4,016	5,074	5,024	4,988	4,253	4,455	4,349	4,154	4,437	4,529	4,759	4,756	4,457	4,681
Social and behavioral sciences	5,489	5,762	6,277	6,492	7,002	7,760	7,971	7,005	6,938	7,320	7,322	7,722	7,607	7,557	7,538	7,406	7,865
Engineering	19,565	26,587	35,446	41,947	44,111	46,870	48,133	56,075	55,790	52,680	52,465	52,079	51,889	48,515	47,998	46,929	45,387
Turkey																	
All fields	118,882	142,275	140,631	143,813	188,134	150,421	203,108	223,559	245,140	261,582	289,013	284,459	340,396	340,396	399,049	458,564	437,446
S&E fields	51,875	55,101	56,828	57,425	57,428	59,206	75,109	82,341	95,449	103,285	108,861	84,061	99,415	101,214	128,672	139,684	146,128
Physical and biological sciences and mathematics and statistics	12,247	13,797	13,683	13,298	13,152	13,411	14,492	16,877	19,094	20,138	18,035	22,568	26,876	26,876	28,154	24,464	18,826
Computer sciences	773	987	1,281	1,402	1,727	1,970	1,958	2,201	2,468	2,972	3,057	3,037	3,379	3,379	917	1,118	665
Agricultural sciences	5,759	5,764	6,159	5,496	5,118	5,209	5,472	5,699	6,197	7,199	6,016	5,772	7,014	7,014	8,050	7,498	7,501
Social and behavioral sciences	17,503	18,584	19,538	20,748	20,430	20,509	34,863	37,680	45,071	48,860	57,485	28,423	34,618	34,618	47,834	54,652	59,999
Engineering	15,593	15,969	16,167	16,481	17,001	18,107	18,324	19,884	22,619	24,116	24,268	24,261	27,528	29,327	43,717	51,952	59,137
United Kingdom																	
All fields	269,841	277,678	279,788	287,506	292,092	306,363	315,934	319,260	334,785	333,721	350,179	367,875	389,296	402,682	444,152	394,636	399,718
S&E fields	108,406	119,491	119,843	122,518	122,791	126,100	128,299	126,934	130,922	129,813	135,845	143,176	150,556	160,363	180,340	165,792	169,832
Physical and biological sciences and mathematics and statistics	37,966	42,743	41,143	42,621	32,966	33,564	34,039	34,764	36,582	37,574	39,140	41,731	44,119	63,771	72,818	64,498	66,964
Computer sciences	11,390	14,635	16,310	19,250	20,177	20,096	18,839	16,446	14,909	14,033	14,202	14,335	15,089	15,497	17,843	15,567	15,275
Agricultural sciences	2,942	3,266	3,319	2,804	3,073	2,915	2,821	2,826	3,034	2,994	3,039	3,375	3,474	3,621	4,011	3,783	3,844
Social and behavioral sciences	28,500	27,944	28,639	30,112	40,303	43,638	45,743	45,656	47,657	45,788	47,551	50,648	54,343	43,021	48,579	48,626	50,821
Engineering	27,608	30,902	30,432	27,730	26,271	25,886	26,856	27,242	28,739	29,424	31,914	33,087	33,531	34,453	37,089	33,319	32,928
United States																	
All fields	1,237,874	1,244,170	1,291,900	1,348,322	1,399,542	1,439,264	1,485,242	1,524,092	1,562,802	1,601,368	1,650,014	1,715,913	1,791,046	1,842,400	1,871,716	1,897,211	1,922,705
S&E fields	503,467	507,877	529,533	536,792	520,912	551,969	561,019	568,382	579,670	589,271	611,543	636,829	666,595	703,460	724,313	751,195	768,291
Physical and biological sciences and mathematics and statistics	93,987	90,206	90,502	93,126	74,836	97,867	104,266	111,178	114,980	118,718	125,809	131,897	141,354	148,944	155,046	181,792	187,463
Computer sciences	36,195	41,954	47,299	57,791	59,488	54,111	47,480	42,170	38,476	37,994	39,589	43,072	47,384	51,031	55,425	64,836	69,435
Agricultural sciences	33,650	33,918	34,972	14,688	16,560	16,956	16,736	16,750	17,444	17,756	17,784	18,502	19,065	20,120	21,253	20,461	20,846
Social and behavioral sciences	258,225	260,685	273,520	285,215	282,902	293,991	301,357	306,472	315,079	320,019	329,552	340,366	350,487	357,036	360,491	361,183	359,261
Engineering	81,410	81,114	83,240	85,972	87,126	89,044	91,180	91,812	93,691	94,784	98,809	102,992	108,305	126,329	132,098	122,923	131,286

\* = nil or negligible; NA = not available.

<sup>a</sup> China data include computer sciences under engineering.

<sup>b</sup> Japan data include thesis doctorates, called *ronbun hakase*, earned by employees in industry. Japan data include computer sciences under engineering.

**Note(s)**

Physical and biological sciences and mathematics and statistics include biological and related sciences, environmental sciences, and physical sciences. Computer sciences include information and communication technologies. Agricultural sciences include agriculture, forestry, fisheries, and veterinary sciences. Social and behavioral sciences include social and behavioral sciences, and journalism and information. Engineering includes engineering and engineering trades, manufacturing and processing, and architecture and construction. To facilitate international comparison, data for the United States reflect the most recent classification in the International Standard Classification of Education Fields of Education and Training (ISCED-F), which varies slightly from the National Science Foundation classification of fields presented in other sections of the report. Data for first university degrees use ISCED 2011 level 6 (bachelor's or equivalent) first degrees and level 7 (master's or equivalent) long first degrees. S&E data do not include health fields.

**Source(s)**

Organisation for Economic Co-operation and Development (OECD), OECD.Stat; Eurostat, Education and training database; Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Survey of Education (various years); National Bureau of Statistics of China, *China Statistical Yearbook* (various years); Ministry of Education, *Educational Statistics of the Republic of China (Taiwan)* (various years).

*Science and Engineering Indicators*