

TABLE S2-16

S&E doctoral 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	937	1,518	1,674	2,088	2,088	2,406	NA
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	709	1,122	1,203	1,726	1,726	1,716	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	372	590	709	934	934	904	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	83	19	NA	NA	28	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	60	106	82	87	87	99	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	141	221	305	551	551	527	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	68	122	88	154	154	158	NA
Australia																	
All fields	3,687	3,802	3,910	4,315	4,763	4,886	5,276	5,559	5,749	5,808	5,825	6,079	NA	8,101	8,400	8,627	9,089
All S&E	2,086	2,122	2,185	2,328	2,611	2,642	2,866	3,090	3,364	3,226	3,189	3,434	NA	4,576	4,865	5,011	5,285
Physical and biological sciences and mathematics and statistics	992	922	1,014	1,006	1,131	1,129	1,134	1,228	1,302	1,295	1,301	1,306	NA	1,621	1,668	1,900	1,988
Computer sciences	98	107	98	99	94	112	158	171	228	218	197	229	NA	315	311	327	346
Agricultural sciences	211	198	186	197	228	193	212	221	251	219	230	280	NA	306	300	353	406
Social and behavioral sciences	309	377	430	486	572	572	635	709	737	704	682	762	NA	998	1,088	1,040	1,043
Engineering	476	518	457	540	586	636	727	761	846	790	779	857	NA	1,336	1,498	1,391	1,502
Austria																	
All fields	1,790	1,871	2,125	2,197	2,443	2,228	2,158	2,085	2,205	2,284	2,500	2,359	2,412	2,228	2,207	2,189	2,239
All S&E	986	1,059	1,149	1,107	1,188	1,222	1,209	1,178	1,248	1,321	1,384	1,369	1,414	1,330	1,305	1,243	1,316
Physical and biological sciences and mathematics and statistics	359	384	431	377	373	418	415	370	397	461	463	454	440	493	416	431	440
Computer sciences	53	21	67	63	71	74	61	59	93	99	129	96	139	111	114	113	113
Agricultural sciences	85	92	135	135	97	101	80	103	115	103	96	93	80	71	56	67	70
Social and behavioral sciences	149	162	171	210	250	224	220	212	206	230	235	262	271	223	209	166	158
Engineering	340	400	345	322	397	405	433	434	437	428	461	464	484	433	512	467	537
Belgium																	
All fields	1,147	1,317	1,413	1,432	1,479	1,601	1,718	1,716	1,880	1,902	2,126	2,165	2,368	2,464	2,581	2,800	2,890
All S&E	807	891	907	914	944	1,021	1,091	1,042	1,179	947	1,281	1,313	1,431	1,546	1,575	1,677	1,662
Physical and biological sciences and mathematics and statistics	479	519	468	564	592	509	493	439	651	312	422	438	464	455	504	804	590
Computer sciences	*	2	80	62	66	65	66	112	82	11	54	58	55	67	64	2	16
Agricultural sciences	66	77	76	85	75	71	89	84	109	109	111	105	115	133	135	73	86
Social and behavioral sciences	109	124	120	119	122	126	157	130	153	118	193	205	238	264	266	273	303
Engineering	153	169	163	84	89	250	286	277	184	397	501	507	559	627	606	525	667
Brazil																	
All fields	NA	NA	NA	NA	35,742	36,042	NA	9,919	10,711	11,256	11,314	12,321	13,912	NA	16,745	18,625	20,605
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,124	9,414	10,469
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,798	2,899	3,143

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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
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	224	289	332
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,941	2,116	2,389
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,302	1,396	1,544
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,859	2,714	3,061
Bulgaria																	
All fields	NA	NA	NA	NA	NA	528	NA	NA	NA	NA	596	NA	NA	1,202	1,363	1,442	1,464
All S&E	NA	NA	NA	NA	NA	237	NA	NA	NA	NA	313	NA	NA	561	692	710	634
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	89	NA	NA	NA	NA	84	NA	NA	140	174	191	176
Computer sciences	NA	NA	NA	NA	NA	*	NA	NA	NA	NA	7	NA	NA	25	33	36	18
Agricultural sciences	NA	NA	NA	NA	NA	36	NA	NA	NA	NA	20	NA	NA	37	47	61	43
Social and behavioral sciences	NA	NA	NA	NA	NA	22	NA	NA	NA	NA	66	NA	NA	135	177	167	162
Engineering	NA	NA	NA	NA	NA	90	NA	NA	NA	NA	136	NA	NA	224	261	255	235
Canada																	
All fields	3,978	NA	NA	NA	3,709	4,116	4,200	4,608	4,827	5,440	5,416	5,673	5,906	7,059	7,190	7,546	7,768
All S&E	2,281	NA	NA	NA	2,198	2,433	2,427	3,105	3,444	3,879	3,884	4,060	4,307	5,187	5,075	5,325	5,556
Physical and biological sciences and mathematics and statistics	830	NA	NA	NA	854	945	873	1,347	1,554	1,746	1,746	1,756	1,925	2,299	1,947	2,043	2,083
Computer sciences	72	NA	NA	NA	50	96	117	147	150	180	182	227	238	283	259	272	251
Agricultural sciences	138	NA	NA	NA	145	153	138	120	129	135	135	164	157	188	203	213	248
Social and behavioral sciences	662	NA	NA	NA	662	612	663	744	720	783	785	818	855	1,027	1,215	1,276	1,341
Engineering	579	NA	NA	NA	487	627	636	747	891	1,035	1,036	1,095	1,132	1,391	1,451	1,522	1,632
Chile																	
All fields	NA	NA	NA	NA	188	85	290	217	307	368	423	461	538	593	606	670	699
All S&E	NA	NA	NA	NA	158	59	249	166	234	275	327	335	387	436	408	469	495
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	149	49	148	122	147	183	223	198	231	215	205	254	278
Computer sciences	NA	NA	NA	NA	*	*	1	1	6	2	2	6	4	22	9	11	13
Agricultural sciences	NA	NA	NA	NA	3	*	9	9	38	29	29	34	44	50	46	53	58
Social and behavioral sciences	NA	NA	NA	NA	3	1	36	10	13	21	21	29	30	32	53	48	50
Engineering	NA	NA	NA	NA	3	9	55	24	30	40	52	68	78	117	96	103	96
China^a																	
All fields	11,383	12,465	14,638	18,806	23,446	27,677	36,247	41,464	43,759	48,658	48,987	50,289	51,713	53,139	53,653	53,778	NA
All S&E	7,766	8,153	9,523	12,238	14,858	17,595	22,953	26,582	28,439	31,423	31,410	32,208	32,331	33,490	34,103	34,440	NA
Physical and biological sciences and mathematics and statistics	2,306	2,655	2,808	3,705	4,518	5,458	7,241	8,051	8,953	9,570	9,638	9,881	9,762	10,396	10,922	10,978	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	462	536	626	756	977	1,093	1,544	1,903	1,936	2,006	1,973	2,241	2,365	2,435	2,382	2,549	NA
Social and behavioral sciences	514	621	837	1,204	1,309	1,617	2,038	2,149	2,274	2,461	2,371	2,383	2,314	2,328	2,262	2,184	NA
Engineering	4,484	4,341	5,252	6,573	8,054	9,427	12,130	14,479	15,276	17,386	17,428	17,703	17,890	18,331	18,537	18,729	NA

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Region, country, or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Colombia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	258	323	408	466	600
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	175	214	262	300	395
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80	79	90	106	139
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	NA	9	15	17
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21	17	34	33	40
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4	44	41	59	63
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	70	74	88	87	136
Costa Rica																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	103	82	106	140
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	11	14	23
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	6	9	10
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	2
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	1	*	2
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26	4	5	9
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*
Croatia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	830	855	878	646
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	430	551	491	302
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	108	136	166	84
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24	29	11	23
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	59	46	64	35
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	104	186	105	68
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	135	154	145	92
Cyprus																	
All fields	NA	NA	NA	NA	NA	5	NA	NA	NA	NA	30	NA	NA	52	60	77	90
All S&E	NA	NA	NA	NA	NA	4	NA	NA	NA	NA	17	NA	NA	35	37	47	60
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	2	NA	NA	NA	NA	6	NA	NA	13	14	14	24
Computer sciences	NA	NA	NA	NA	NA	1	NA	NA	NA	NA	6	NA	NA	4	4	2	4
Agricultural sciences	NA	NA	NA	NA	NA	*	NA	NA	NA	NA	*	NA	NA	1	*	3	*
Social and behavioral sciences	NA	NA	NA	NA	NA	1	NA	NA	NA	NA	2	NA	NA	4	6	10	15
Engineering	NA	NA	NA	NA	NA	*	NA	NA	NA	NA	3	NA	NA	13	13	18	17
Czechia																	
All fields	895	1,066	1,327	1,546	1,732	1,908	2,023	2,272	2,382	2,391	2,228	2,462	2,683	2,433	2,484	2,440	2,379
All S&E	618	723	875	1,052	1,085	1,199	1,263	1,366	1,546	1,502	1,373	1,511	1,633	1,515	1,551	1,452	1,408
Physical and biological sciences and mathematics and statistics	216	228	305	372	360	423	433	428	580	573	586	623	621	585	613	543	529

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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
Computer sciences	110	121	138	29	50	59	50	62	69	80	75	81	97	101	79	76	86
Agricultural sciences	57	67	100	109	112	132	136	170	133	113	131	165	183	150	150	117	119
Social and behavioral sciences	51	100	104	129	95	83	126	130	174	151	132	188	187	166	153	145	158
Engineering	184	207	228	413	468	502	518	576	590	585	449	454	545	513	556	571	516
Denmark																	
All fields	913	900	732	859	788	955	910	973	1,102	1,163	1,388	1,503	1,552	1,888	2,126	2,176	2,198
All S&E	255	274	394	602	620	583	572	570	653	696	802	944	968	1,224	1,289	1,354	1,385
Physical and biological sciences and mathematics and statistics	NA	NA	177	131	100	210	166	150	205	211	261	258	276	335	373	397	379
Computer sciences	NA	NA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Agricultural sciences	69	87	83	84	89	78	67	84	93	95	74	128	136	210	230	211	167
Social and behavioral sciences	NA	NA	63	51	55	96	108	95	114	133	134	179	170	197	213	228	282
Engineering	186	187	71	336	376	199	231	241	241	257	333	379	386	482	473	518	557
Estonia																	
All fields	NA	NA	NA	NA	NA	131	143	153	161	160	175	250	190	233	213	208	239
All S&E	NA	NA	NA	NA	NA	78	83	86	107	99	110	161	140	153	151	143	165
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	33	42	49	47	48	56	74	62	68	71	64	72
Computer sciences	NA	NA	NA	NA	NA	5	5	6	8	7	12	17	14	13	9	16	16
Agricultural sciences	NA	NA	NA	NA	NA	7	5	5	6	6	6	6	9	8	12	7	11
Social and behavioral sciences	NA	NA	NA	NA	NA	8	14	8	12	12	11	36	22	23	23	18	21
Engineering	NA	NA	NA	NA	NA	25	17	18	34	26	25	28	33	41	36	38	45
Finland																	
All fields	1,891	1,797	1,797	1,751	1,863	1,957	1,898	1,986	1,951	1,949	1,750	1,856	1,834	1,899	2,013	2,000	2,009
All S&E	1,007	939	944	949	989	1,069	1,094	1,158	1,089	1,048	955	1,013	980	1,104	1,145	1,170	1,164
Physical and biological sciences and mathematics and statistics	315	300	281	294	341	344	350	410	359	316	276	295	276	315	339	355	364
Computer sciences	31	45	41	51	38	66	66	70	55	52	50	67	48	155	166	152	156
Agricultural sciences	44	51	41	40	48	44	51	42	58	44	38	58	47	55	62	77	73
Social and behavioral sciences	243	222	221	204	198	229	210	231	237	235	217	234	220	222	222	206	220
Engineering	374	321	360	360	364	386	417	405	380	401	374	359	389	357	356	380	351
France																	
All fields	9,903	10,404	10,404	8,420	8,420	9,578	9,818	10,650	11,309	11,941	NA	NA	NA	13,890	13,365	13,774	13,016
All S&E	6,640	6,957	6,957	5,639	5,639	6,549	6,854	7,402	7,835	8,356	NA	NA	NA	10,211	10,023	10,020	9,564
Physical and biological sciences and mathematics and statistics	4,281	4,494	4,494	3,638	3,638	3,984	4,247	4,521	4,765	4,988	NA	NA	NA	5,909	5,731	5,848	5,788
Computer sciences	478	495	494	404	404	449	542	610	605	642	NA	NA	NA	710	736	778	630
Agricultural sciences	22	23	23	18	18	35	26	13	18	13	NA	NA	NA	*	*	*	*
Social and behavioral sciences	939	988	989	800	800	1,140	1,016	1,086	1,173	1,334	NA	NA	NA	1,737	1,684	1,493	1,389
Engineering	920	956	957	779	779	941	1,023	1,172	1,274	1,379	NA	NA	NA	1,855	1,872	1,901	1,757

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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
Germany																	
All fields	25,780	24,796	23,838	23,043	23,138	25,952	24,946	24,439	25,604	25,527	26,039	27,354	27,099	27,707	28,147	29,218	29,303
All S&E	11,888	11,271	10,618	10,340	10,107	11,590	10,871	11,084	11,887	11,691	12,576	13,281	13,666	14,936	14,912	15,957	15,871
Physical and biological sciences and mathematics and statistics	6,937	6,361	5,863	5,701	5,536	6,171	5,789	5,938	6,255	6,328	6,816	7,127	7,385	8,276	8,140	8,476	8,382
Computer sciences	441	470	417	387	489	520	566	593	699	738	838	906	886	941	994	1,103	1,021
Agricultural sciences	917	883	878	895	929	1,106	934	923	878	856	880	902	925	803	834	899	898
Social and behavioral sciences	1,151	1,224	1,089	1,144	1,046	1,448	1,395	1,393	1,514	1,475	1,528	1,562	1,658	1,769	1,730	1,736	1,860
Engineering	2,442	2,333	2,371	2,213	2,107	2,345	2,187	2,237	2,541	2,294	2,514	2,784	2,812	3,147	3,214	3,743	3,710
Greece																	
All fields	NA	NA	NA	NA	1,295	1,248	NA	2,436	1,406	NA	1,892	1,685	1,734	1,527	1,601	1,794	2,003
All S&E	NA	NA	NA	NA	920	918	NA	667	705	NA	1,070	900	745	834	868	786	894
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	595	492	NA	267	213	NA	278	244	221	221	218	223	221
Computer sciences	NA	NA	NA	NA	116	27	NA	20	74	NA	133	85	70	95	65	58	71
Agricultural sciences	NA	NA	NA	NA	39	89	NA	63	93	NA	159	80	79	88	83	51	57
Social and behavioral sciences	NA	NA	NA	NA	51	59	NA	85	86	NA	139	137	95	149	151	106	187
Engineering	NA	NA	NA	NA	119	251	832	232	239	NA	361	354	280	281	351	348	358
Hungary																	
All fields	717	793	983	1,067	893	1,069	1,012	1,059	1,141	1,376	1,275	1,234	1,242	1,069	1,154	1,206	1,255
All S&E	421	313	380	427	349	348	401	536	420	603	643	533	569	604	659	589	609
Physical and biological sciences and mathematics and statistics	190	137	151	198	162	149	170	208	188	260	345	254	257	249	236	240	233
Computer sciences	4	5	14	10	9	8	11	38	39	25	51	31	36	52	66	55	44
Agricultural sciences	41	55	61	100	66	66	76	97	73	91	84	83	97	57	67	32	67
Social and behavioral sciences	83	66	70	82	76	79	92	100	90	97	63	93	80	150	162	136	161
Engineering	103	50	84	37	36	46	52	93	30	130	100	72	99	96	128	126	104
Iceland																	
All fields	2	3	5	6	10	14	15	10	23	32	36	NA	40	55	88	67	72
All S&E	*	1	1	1	5	2	8	4	12	15	26	NA	19	29	NA	36	33
Physical and biological sciences and mathematics and statistics	*	*	1	1	4	1	5	3	6	8	17	NA	12	19	NA	25	19
Computer sciences	*	*	*	*	*	*	*	*	*	*	2	NA	2	2	NA	1	1
Agricultural sciences	*	*	*	*	*	*	*	*	*	*	1	NA	*	*	NA	*	1
Social and behavioral sciences	*	1	*	*	1	*	1	1	1	4	*	NA	2	5	NA	3	3
Engineering	*	*	*	*	*	1	2	*	5	3	6	NA	3	3	NA	7	9
India																	
All fields	11,296	11,544	11,974	13,733	17,853	17,898	18,730	NA	NA	NA	NA	21,544	23,630	NA	21,830	22,528	25,095
All S&E	5,541	5,504	5,637	6,471	7,636	7,537	7,982	NA	NA	NA	NA	13,782	14,658	NA	13,144	13,845	15,967
Physical and biological sciences and mathematics and statistics	3,885	3,727	3,955	4,497	5,612	5,549	5,625	NA	NA	NA	NA	5,442	4,381	NA	5,721	5,987	7,030

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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
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	291	NA	321	333	507
Agricultural sciences	933	999	948	1,195	1,142	1,020	1,299	NA	NA	NA	NA	1,804	3,203	NA	1,545	1,889	2,375
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,215	4,597	NA	2,960	2,949	3,190
Engineering	723	778	734	779	882	968	1,058	NA	NA	NA	NA	2,081	2,186	NA	2,597	2,687	2,865
Indonesia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,260	3,911	4,104	NA	3,591	5,363	3,838
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	930	1,309	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	95	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	25	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	410	357	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	676	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	304	156	NA
Ireland																	
All fields	501	572	520	668	683	810	979	1,035	1,090	1,211	1,222	1,447	1,447	1,532	1,738	1,749	1,429
All S&E	328	416	354	441	423	483	178	174	175	766	699	791	842	849	833	1,069	856
Physical and biological sciences and mathematics and statistics	221	274	229	290	237	250	NA	NA	NA	381	323	369	384	385	423	502	369
Computer sciences	12	19	15	14	28	53	NA	NA	NA	86	71	83	128	76	106	85	86
Agricultural sciences	17	19	12	19	21	23	23	23	30	23	37	15	15	40	20	32	23
Social and behavioral sciences	29	41	26	41	29	54	NA	NA	NA	93	86	120	111	130	127	222	180
Engineering	49	63	72	77	108	103	155	151	145	183	182	204	204	218	157	228	198
Israel																	
All fields	688	859	863	999	1,135	1,206	1,210	1,288	1,427	1,373	1,534	1,530	1,586	1,541	1,546	1,617	1,570
All S&E	497	598	599	688	715	764	743	796	918	865	980	1,025	1,027	1,040	1,113	1,203	1,151
Physical and biological sciences and mathematics and statistics	329	409	391	477	483	486	465	475	512	484	558	600	597	617	707	739	680
Computer sciences	NA	NA	NA	NA	NA	NA	NA	57	69	72	75	57	57	57	63	74	62
Agricultural sciences	23	33	44	20	31	33	37	38	25	26	32	41	36	36	25	40	23
Social and behavioral sciences	68	96	109	111	114	159	143	133	177	151	187	177	190	190	183	203	210
Engineering	77	60	55	80	87	86	98	93	135	132	128	150	147	140	135	147	176
Italy																	
All fields	3,557	4,044	3,977	4,456	6,351	8,466	9,604	10,188	NA	NA	NA	11,270	11,458	10,687	10,678	10,485	9,803
All S&E	1,777	2,100	1,958	2,760	3,942	5,075	5,758	6,107	NA	NA	NA	6,409	6,294	6,131	6,185	5,976	5,656
Physical and biological sciences and mathematics and statistics	759	821	818	1,274	1,867	2,271	2,430	2,531	NA	NA	NA	2,531	2,569	2,502	2,571	2,569	2,346
Computer sciences	*	*	*	33	64	66	105	149	NA	NA	NA	140	124	135	134	664	477
Agricultural sciences	209	350	342	306	384	496	566	669	NA	NA	NA	684	688	650	619	622	499
Social and behavioral sciences	92	121	60	294	450	703	830	799	NA	NA	NA	971	877	810	808	523	538
Engineering	717	808	738	853	1,177	1,539	1,827	1,959	NA	NA	NA	2,083	2,036	2,034	2,053	1,598	1,796

TABLE S2-16

S&E doctoral 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
Japan^b																	
All fields	15,357	16,078	16,183	16,314	16,909	16,851	17,396	17,291	16,735	15,872	16,760	15,911	15,902	15,427	15,045	15,714	15,804
All S&E	7,089	7,401	7,461	7,581	7,912	7,658	8,122	8,017	7,761	7,396	7,470	7,100	7,100	6,791	6,743	7,540	7,391
Physical and biological sciences and mathematics and statistics	1,579	1,586	1,602	1,651	1,679	1,543	1,633	1,686	1,525	1,480	1,534	1,436	1,394	1,423	1,377	2,359	2,316
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	1,147	1,241	1,248	1,258	1,348	1,257	1,321	1,233	1,222	1,170	1,233	1,046	1,059	1,062	941	911	881
Social and behavioral sciences	563	610	656	751	808	943	973	1,025	1,060	988	1,010	1,019	1,011	850	887	776	754
Engineering	3,800	3,964	3,955	3,921	4,077	3,915	4,195	4,073	3,954	3,758	3,693	3,599	3,636	3,456	3,538	3,494	3,440
Latvia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	267	315	264	255	197
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	149	173	164	146	116
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	51	34	54	45
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15	17	12	9	8
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	10	9	1	6
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	30	37	28	23
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	51	65	72	54	34
Lithuania																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	441	411	417	324
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	281	262	246	187
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	84	92	62
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	11	8	6
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	21	23	16	18
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62	47	45	44
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	121	97	85	57
Luxembourg																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	8	NA	NA	NA	57	64	82	107	107
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	41	45	55	74	78
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	12	17	24	26
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	13	16	28	19
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	*
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	11	14	15	19
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7	9	8	7	14
Malta																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24	22	30	37
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	13	15	19
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	4	6	10

TABLE S2-16

S&E doctoral 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
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1	*	*	1
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	*	*
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3	*	3	2
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	9	6	6
Mexico																	
All fields	1,036	1,496	1,801	1,230	2,325	2,432	2,800	2,950	3,498	4,099	4,167	3,795	5,119	5,013	5,782	6,050	9,268
All S&E	611	849	1,106	849	1,412	1,379	1,529	1,651	1,687	1,875	2,015	1,672	2,223	2,213	2,365	2,560	2,654
Physical and biological sciences and mathematics and statistics	201	362	412	276	514	483	500	553	545	695	890	608	756	720	753	758	792
Computer sciences	37	36	15	30	37	48	26	26	48	47	26	22	30	47	65	64	65
Agricultural sciences	146	162	107	173	218	207	226	248	178	200	104	101	218	133	148	183	233
Social and behavioral sciences	140	166	424	185	382	397	527	543	576	628	588	534	617	680	617	672	848
Engineering	87	123	148	185	261	244	250	281	340	305	407	407	602	633	782	883	716
Netherlands																	
All fields	NA	2,533	2,556	2,584	2,679	2,879	2,993	3,160	3,214	3,301	3,736	3,715	4,040	4,321	4,528	4,663	NA
All S&E	NA	1,524	1,523	1,019	1,552	778	785	815	852	823	946	949	1,232	1,730	1,790	NA	NA
Physical and biological sciences and mathematics and statistics	NA	530	489	NA	499	NA	NA	NA	NA	NA	NA	NA	NA	642	626	NA	NA
Computer sciences	NA	*	*	NA	*	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	NA	229	264	219	259	221	250	266	289	222	237	230	213	280	340	NA	NA
Social and behavioral sciences	NA	375	326	347	311	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Engineering	NA	390	444	453	483	557	535	549	563	601	709	719	1,019	808	824	NA	NA
New Zealand																	
All fields	464	487	510	529	623	643	638	756	797	830	987	1,109	1,062	1,288	1,414	1,332	1,296
All S&E	NA	NA	321	326	338	351	350	415	477	495	515	633	631	819	907	851	804
Physical and biological sciences and mathematics and statistics	NA	NA	171	163	205	207	189	222	271	282	262	264	308	353	358	363	348
Computer sciences	NA	NA	13	11	22	15	20	41	44	27	45	50	51	63	70	58	52
Agricultural sciences	NA	NA	21	24	1	10	10	16	10	3	6	33	15	37	77	33	39
Social and behavioral sciences	NA	NA	72	86	67	71	80	68	72	90	108	158	126	188	172	180	180
Engineering	NA	NA	44	42	43	48	51	68	80	93	94	128	131	178	231	218	185
Norway																	
All fields	658	768	740	714	756	838	882	980	1,231	1,084	1,202	1,297	1,408	1,549	1,442	1,407	1,368
All S&E	203	227	177	276	137	501	502	563	707	159	507	129	148	850	776	734	732
Physical and biological sciences and mathematics and statistics	7	11	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	454	393	389	376
Computer sciences	NA	NA	NA	NA	NA	247	242	392	488	NA	432	NA	NA	39	28	23	26
Agricultural sciences	44	65	74	64	54	67	44	41	46	32	14	22	20	21	33	21	16
Social and behavioral sciences	77	72	76	85	77	63	119	85	128	117	55	100	119	174	166	176	168
Engineering	75	79	25	127	6	124	97	45	45	10	6	7	9	162	156	125	146

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S&E doctoral 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	NA	4,400	4,400	5,450	5,460	5,722	5,917	6,072	5,616	5,068	3,317	3,055	3,590	3,719	3,376	3,787	3,764
All S&E	NA	1,089	1,138	1,488	1,432	1,468	1,536	1,502	1,365	1,155	NA	NA	NA	NA	1,811	2,051	2,017
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	734	850	808
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10	82	59
Agricultural sciences	NA	410	412	560	524	541	581	457	397	293	NA	NA	NA	NA	227	182	183
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	279	361	382
Engineering	NA	679	726	928	908	927	955	1,045	968	862	NA	NA	NA	NA	561	576	585
Portugal																	
All fields	1,586	NA	NA	3,723	3,963	4,150	5,342	6,038	4,863	4,376	2,927	2,314	2,909	4,155	4,008	2,351	2,344
All S&E	906	NA	NA	1,875	2,316	2,542	3,160	3,344	3,216	1,981	1,289	1,297	1,742	2,473	2,305	1,294	1,329
Physical and biological sciences and mathematics and statistics	284	NA	NA	570	822	919	1,192	1,305	1,093	561	404	415	658	820	717	357	430
Computer sciences	51	NA	NA	75	211	239	321	283	342	87	45	34	69	111	157	88	72
Agricultural sciences	38	NA	NA	79	68	71	102	86	85	46	45	36	31	49	50	43	42
Social and behavioral sciences	244	NA	NA	629	636	703	824	961	859	695	396	313	403	593	535	315	286
Engineering	289	NA	NA	522	579	610	721	709	837	592	399	499	581	900	846	491	499
Romania																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,370	3,777	3,992	2,260
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,756	1,982	2,038	1,070
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	517	350	340	237
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	*	103	53
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	231	328	134
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	431	337	361	229
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,418	1,064	906	417
Russia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	34,886	11,205	9,948	10,017	36,533	44,128	29,632	27,212
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19,340	24,522	18,502	14,376
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,055	5,762	4,590	3,781
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,015	2,504	2,033	1,860
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,223	2,971	1,064	1,045
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3,371	6,989	5,267	2,468
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,676	6,296	5,548	5,222
Saudi Arabia																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	391	557	400	NA	NA	247
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	95	112	21	68	68	65
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	52	58	NA	33	33	32

TABLE S2-16

S&E doctoral 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
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	1	NA	NA	NA	8
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	*	1	4	18	18	3
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	38	NA	12	12	13
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	14	17	5	5	9
Slovakia																	
All fields	446	532	734	2,126	854	1,022	1,218	1,371	1,655	1,937	2,878	1,672	2,181	2,119	2,182	1,914	1,771
All S&E	221	307	384	630	438	533	546	678	762	880	1,374	796	1,099	1,152	1,148	1,005	911
Physical and biological sciences and mathematics and statistics	70	110	130	318	167	196	194	247	208	261	408	192	257	350	372	318	302
Computer sciences	7	1	6	10	10	14	18	22	26	32	61	45	32	57	55	56	57
Agricultural sciences	37	39	52	56	42	50	47	76	74	83	131	70	81	67	86	47	70
Social and behavioral sciences	14	31	33	101	64	67	67	81	112	113	210	97	179	177	211	192	165
Engineering	93	126	163	145	155	206	220	252	342	391	564	392	550	501	424	392	317
Slovenia																	
All fields	NA	NA	NA	NA	NA	369	395	415	405	466	465	523	569	1,166	1,003	1,000	3,763
All S&E	NA	NA	NA	NA	NA	231	232	258	269	284	301	290	412	742	662	625	1,602
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	74	78	99	108	113	139	83	112	221	203	168	258
Computer sciences	NA	NA	NA	NA	NA	18	12	19	5	15	16	23	42	44	36	44	188
Agricultural sciences	NA	NA	NA	NA	NA	11	14	17	23	14	17	22	56	110	110	117	117
Social and behavioral sciences	NA	NA	NA	NA	NA	41	46	50	47	43	36	54	103	141	133	108	562
Engineering	NA	NA	NA	NA	NA	87	82	73	86	99	93	108	99	226	180	188	477
South Africa																	
All fields	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,381	1,422	1,586	1,845	2,270	2,536	NA
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	714	784	886	242	1,175	1,313	NA
Physical and biological sciences and mathematics and statistics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	331	409	444	NA	572	616	NA
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24	30	42	NA	55	51	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76	71	93	90	79	121	NA
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	178	163	174	NA	293	304	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	105	111	133	152	176	221	NA
South Korea																	
All fields	6,143	6,208	6,690	7,172	7,946	8,449	8,657	9,082	9,369	9,912	10,542	11,645	12,243	12,625	12,931	13,077	13,882
All S&E	2,914	3,013	3,294	3,280	3,629	3,772	3,943	3,796	3,867	3,994	4,362	5,340	5,611	5,877	5,972	6,104	6,557
Physical and biological sciences and mathematics and statistics	692	687	692	841	932	854	928	835	889	992	1,011	1,372	1,488	1,699	1,823	1,751	1,861
Computer sciences	169	176	156	92	88	31	62	37	65	49	84	98	141	169	155	150	154
Agricultural sciences	276	292	317	219	246	284	299	277	279	274	303	308	317	269	252	271	286
Social and behavioral sciences	123	220	230	260	323	330	387	398	392	377	458	488	527	601	606	668	737
Engineering	1,654	1,638	1,899	1,868	2,040	2,273	2,267	2,249	2,242	2,302	2,506	3,074	3,138	3,139	3,136	3,264	3,519

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S&E doctoral 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
Spain																	
All fields	6,007	6,453	6,905	7,479	8,168	6,902	7,159	7,150	7,302	7,915	8,696	8,747	9,483	10,504	10,889	11,316	14,694
All S&E	2,937	3,124	3,394	3,741	3,965	3,553	3,684	3,825	3,852	4,167	4,931	5,576	5,812	6,474	6,708	7,174	8,373
Physical and biological sciences and mathematics and statistics	1,629	1,699	1,875	1,929	2,032	1,795	2,029	1,984	1,981	2,157	2,100	3,211	3,053	3,374	3,400	4,267	4,706
Computer sciences	132	143	194	202	217	167	174	190	192	245	305	507	422	439	520	726	775
Agricultural sciences	255	213	253	325	322	273	253	233	275	249	292	218	298	297	235	193	248
Social and behavioral sciences	513	531	597	740	791	690	697	765	722	738	938	1,032	1,237	1,439	1,367	1,132	1,503
Engineering	408	538	475	545	603	628	531	653	682	778	1,296	608	802	925	1,186	856	1,141
Sweden																	
All fields	3,049	3,388	3,517	3,558	3,834	2,778	3,781	3,904	3,625	3,564	3,371	3,356	3,343	3,345	3,584	3,647	3,533
All S&E	1,879	1,994	2,120	2,192	2,408	1,483	2,351	2,300	2,171	2,029	1,953	1,971	1,974	2,055	2,149	2,211	2,188
Physical and biological sciences and mathematics and statistics	625	695	725	759	822	521	709	776	704	701	673	678	726	670	695	763	745
Computer sciences	64	51	75	111	122	61	146	146	138	130	106	139	141	125	184	175	177
Agricultural sciences	96	93	106	71	72	64	79	84	63	65	59	60	58	68	55	51	81
Social and behavioral sciences	253	244	287	294	296	211	278	282	304	254	272	272	220	246	260	266	258
Engineering	841	911	927	957	1,096	626	1,139	1,012	962	879	843	822	829	946	955	956	927
Switzerland																	
All fields	2,733	2,745	2,800	2,742	2,952	3,303	3,381	3,428	3,426	3,641	3,800	3,484	3,638	3,631	3,847	3,854	3,935
All S&E	1,299	1,310	1,384	1,276	1,423	1,659	1,831	1,836	1,759	1,890	1,908	1,918	1,984	2,095	2,352	2,325	2,441
Physical and biological sciences and mathematics and statistics	804	743	770	698	743	897	1,004	984	912	950	922	951	967	987	1,051	1,191	1,253
Computer sciences	47	52	54	53	48	82	79	81	65	77	103	96	137	81	116	122	120
Agricultural sciences	114	118	135	127	159	151	164	139	153	147	170	120	118	106	105	98	122
Social and behavioral sciences	74	75	103	121	154	189	208	215	234	252	275	306	270	294	317	330	319
Engineering	260	322	322	277	319	340	376	417	395	464	438	445	492	627	763	584	627
Taiwan																	
All fields	1,455	1,463	1,501	1,759	1,964	2,165	2,614	2,850	3,140	3,589	3,705	3,846	3,861	4,241	4,048	4,000	3,623
All S&E	970	970	966	1,167	1,291	1,385	1,643	1,905	2,005	2,295	2,509	2,472	2,478	2,678	2,487	2,430	2,128
Physical and biological sciences and mathematics and statistics	233	232	255	298	318	398	455	413	469	522	567	568	596	684	619	597	556
Computer sciences	16	19	18	31	24	38	46	45	52	62	74	76	74	79	57	59	51
Agricultural sciences	87	90	93	93	116	83	92	72	77	104	95	79	94	98	99	106	89
Social and behavioral sciences	108	108	72	89	111	108	111	157	165	172	165	148	171	180	196	207	188
Engineering	526	521	528	656	722	758	939	1,219	1,242	1,435	1,608	1,601	1,543	1,637	1,516	1,461	1,244
Turkey																	
All fields	2,124	1,985	2,472	2,815	2,680	2,838	2,594	3,357	3,754	4,253	4,684	4,653	4,506	8,734	4,516	5,192	6,052
All S&E	1,209	1,063	1,319	1,495	1,434	1,585	1,317	1,663	1,893	2,260	2,521	2,465	2,257	2,392	2,188	2,532	3,004
Physical and biological sciences and mathematics and statistics	285	307	381	411	348	441	372	465	526	692	778	969	953	1,088	844	961	1,207

TABLE S2-16

S&E doctoral 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
Computer sciences	19	13	8	14	20	12	25	35	50	47	74	74	69	69	5	6	34
Agricultural sciences	332	241	276	384	323	274	257	285	316	350	382	282	249	249	212	220	210
Social and behavioral sciences	241	182	310	305	325	426	293	372	451	493	594	366	358	358	388	411	465
Engineering	332	320	344	381	418	432	370	506	550	678	693	774	628	628	739	934	1,088
United Kingdom																	
All fields	11,568	14,147	14,232	14,935	15,257	15,778	16,466	17,545	16,606	17,651	18,756	20,076	20,438	25,896	25,020	26,636	27,366
All S&E	7,481	8,878	8,722	8,971	9,267	9,579	9,916	10,524	9,674	10,425	11,312	11,842	12,096	14,732	14,271	15,338	15,757
Physical and biological sciences and mathematics and statistics	3,953	4,813	4,827	4,875	4,375	4,449	4,425	4,609	4,203	4,390	4,696	4,965	4,874	7,454	7,198	7,634	7,763
Computer sciences	312	389	376	377	468	545	711	720	706	797	843	871	902	1,038	925	1,023	1,136
Agricultural sciences	349	341	339	301	318	310	308	252	194	224	215	218	232	305	288	313	334
Social and behavioral sciences	1,021	1,144	1,159	1,179	1,887	2,022	2,075	2,301	2,212	2,395	2,787	2,954	3,091	2,349	2,339	2,599	2,559
Engineering	1,847	2,190	2,021	2,239	2,218	2,252	2,397	2,642	2,358	2,618	2,770	2,834	2,997	3,586	3,521	3,768	3,965
United States																	
All fields	44,808	44,904	44,160	45,994	48,378	52,631	56,067	60,616	63,712	67,716	69,570	73,041	76,288	65,051	67,449	68,923	69,525
All S&E	26,086	26,060	24,992	26,011	22,797	28,515	30,289	32,394	33,423	33,953	34,572	35,982	37,261	37,813	39,524	39,933	39,710
Physical and biological sciences and mathematics and statistics	9,991	9,600	9,250	9,927	6,302	10,868	11,557	12,551	13,082	13,540	14,321	14,574	14,974	15,419	16,026	16,344	16,466
Computer sciences	777	768	750	834	909	1,119	1,416	1,595	1,698	1,580	1,599	1,588	1,698	1,819	1,940	1,963	1,951
Agricultural sciences	969	945	928	917	967	943	927	992	952	1,029	891	951	993	1,049	1,015	1,052	1,003
Social and behavioral sciences	8,830	9,017	8,671	8,845	8,465	8,805	8,717	8,955	9,325	9,602	9,780	10,239	10,485	9,449	9,797	9,949	9,708
Engineering	5,519	5,730	5,393	5,488	6,154	6,780	7,672	8,301	8,366	8,202	7,981	8,630	9,111	10,077	10,746	10,625	10,582

* = nil or negligible; NA = not available.

^a China data include computer sciences under engineering.^b 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 doctoral degrees use ISCED 2011 level 8. 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); Government of India, Ministry of Human Resource Development, Department of Higher Education, All India Survey on Higher Education (various years).