

Appendix table 2-41

S&E doctoral degrees in the United States and selected European countries, by field: 2000–10

Country and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Austria	1,790	1,871	2,125	2,197	2,443	2,228	2,158	2,085	2,205	2,284	2,500
All S&E	913	983	1,049	995	1,107	1,129	1,135	1,088	1,151	1,221	1,301
Physical/biological sciences	321	353	398	332	326	384	370	309	350	411	402
Mathematics/computer sciences	91	52	100	108	118	108	106	120	140	149	190
Agricultural sciences	30	37	46	38	42	40	31	40	50	31	29
Social/behavioral sciences	131	141	160	195	224	192	195	185	174	202	219
Engineering	340	400	345	322	397	405	433	434	437	428	461
France	9,903	10,404	10,404	8,420	8,420	9,578	9,818	10,650	11,309	11,941	NA
All S&E	6,577	6,890	6,890	5,585	5,585	6,464	6,770	7,285	7,710	8,220	NA
Physical/biological sciences	3,959	4,160	4,160	3,366	3,366	3,677	3,903	4,183	4,398	4,631	NA
Mathematics/computer sciences	800	829	828	676	676	756	886	948	972	999	NA
Agricultural sciences	22	23	23	18	18	35	26	13	18	13	NA
Social/behavioral sciences	876	922	922	746	746	1,055	932	969	1,048	1,198	NA
Engineering	920	956	957	779	779	941	1,023	1,172	1,274	1,379	NA
Germany	25,780	24,796	23,838	23,043	23,138	25,952	24,946	24,439	25,604	25,527	26,039
All S&E	11,306	10,694	10,016	9,751	9,554	10,866	10,243	10,469	11,314	11,110	11,989
Physical/biological sciences	6,414	5,888	5,398	5,113	5,107	5,697	5,281	5,478	5,791	5,907	6,291
Mathematics/computer sciences	964	943	882	975	918	994	1,074	1,053	1,163	1,159	1,363
Agricultural sciences	380	371	334	363	418	438	376	404	402	346	399
Social/behavioral sciences	1,106	1,159	1,031	1,087	1,004	1,392	1,325	1,297	1,417	1,404	1,422
Engineering	2,442	2,333	2,371	2,213	2,107	2,345	2,187	2,237	2,541	2,294	2,514
Italy	3,557	4,044	3,977	4,456	6,351	8,466	9,604	10,188	NA	NA	NA
All S&E	1,731	2,100	1,958	2,674	3,834	4,966	5,613	5,949	NA	NA	NA
Physical/biological sciences	55	821	818	1,109	1,650	1,999	2,155	2,243	NA	NA	NA
Mathematics/computer sciences	704	0	0	198	281	338	380	437	NA	NA	NA
Agricultural sciences	163	350	342	220	276	387	421	511	NA	NA	NA
Social/behavioral sciences	92	121	60	294	450	703	830	799	NA	NA	NA
Engineering	717	808	738	853	1,177	1,539	1,827	1,959	NA	NA	NA
Russia ^a	27,667	22,638	26,387	28,361	29,850	34,300	34,613	34,494	27,719	27,554	27,634
All S&E	15,745	12,035	13,991	15,722	16,003	18,237	18,587	19,725	14,915	15,149	16,554
Physical/biological sciences	4,692	3,473	4,169	4,012	4,442	4,563	4,975	4,829	3,538	4,601	4,296
Mathematics/computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	805	716	858	745	893	900	880	812	618	800	796
Social/behavioral sciences	4,375	3,884	4,208	6,103	5,910	6,771	7,186	8,052	6,857	4,808	6,857
Engineering	5,873	3,962	4,756	4,862	4,758	6,003	5,546	6,032	3,902	4,940	4,605
Spain	6,007	6,453	6,905	7,479	8,168	6,902	7,159	7,150	7,302	7,915	8,696
All S&E	2,730	2,937	3,162	3,446	3,672	3,303	3,430	3,633	3,649	3,959	4,674
Physical/biological sciences	1,438	1,534	1,686	1,701	1,856	1,646	1,867	1,842	1,846	2,006	1,894
Mathematics/computer sciences	323	308	383	430	393	316	336	332	327	396	511
Agricultural sciences	144	121	141	179	186	171	143	131	162	149	170
Social/behavioral sciences	417	436	477	591	634	542	553	675	632	630	803
Engineering	408	538	475	545	603	628	531	653	682	778	1,296

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Sweden	3,049	3,388	3,517	3,558	3,834	2,778	3,781	3,904	3,625	3,564	3,371
All S&E	1,848	1,960	2,099	2,163	2,385	1,468	2,331	2,268	2,150	1,999	1,936
Physical/biological sciences	540	604	638	653	689	461	593	656	600	584	574
Mathematics/computer sciences	149	142	162	217	255	121	262	266	242	242	205
Agricultural sciences	65	59	85	42	49	49	59	53	43	41	42
Social/behavioral sciences	253	244	287	294	296	211	278	281	303	253	272
Engineering	841	911	927	957	1,096	626	1,139	1,012	962	879	843
Switzerland	2,733	2,745	2,800	2,742	2,952	3,303	3,381	3,428	3,426	3,641	3,800
All S&E	1,223	1,241	1,284	1,184	1,282	1,527	1,684	1,700	1,617	1,746	1,754
Physical/biological sciences	722	650	676	653	697	852	948	915	864	884	871
Mathematics/computer sciences	129	145	148	98	94	127	135	150	113	143	154
Agricultural sciences	40	50	38	39	32	31	28	22	30	29	35
Social/behavioral sciences	72	74	100	117	140	177	197	196	215	226	256
Engineering	260	322	322	277	319	340	376	417	395	464	438
United Kingdom ^b	11,550	14,120	14,210	14,870	15,260	15,780	16,516	17,545	16,610	18,750	20,075
All S&E	7,180	8,520	8,520	8,810	9,150	9,390	9,761	10,310	9,470	11,055	11,580
Physical/biological sciences	3,570	4,310	4,380	3,780	3,960	4,040	3,977	4,140	3,750	4,185	4,370
Mathematics/computer sciences	660	770	760	750	880	960	1,162	1,190	1,155	1,355	1,460
Agricultural sciences	270	270	340	300	320	310	315	250	195	215	220
Social/behavioral sciences	970	1,170	1,180	1,970	1,950	2,070	2,102	2,330	2,230	2,770	2,940
Engineering	1,710	2,010	1,860	2,020	2,040	2,020	2,204	2,400	2,140	2,530	2,590
United States	44,947	45,068	44,311	46,177	48,560	52,855	56,309	60,887	61,716	61,730	57,405
All S&E	25,423	25,453	24,254	25,425	26,573	28,561	30,452	32,588	33,359	33,284	32,649
Physical/biological sciences	9,015	8,738	8,405	9,134	9,376	10,117	10,724	11,639	12,207	12,569	12,610
Mathematics/computer sciences	1,858	1,769	1,677	1,825	1,975	2,301	2,713	2,953	3,058	3,110	3,155
Agricultural sciences	984	934	969	1,060	1,016	1,004	1,037	1,068	1,080	1,143	982
Social/behavioral sciences	8,182	8,451	8,007	8,124	8,275	8,591	8,576	8,862	8,904	8,547	8,090
Engineering	5,384	5,561	5,196	5,282	5,931	6,548	7,402	8,066	8,110	7,915	7,812

NA = not available.

^a Physical/biological sciences includes mathematics.^b Data are rounded to the nearest 5.

NOTES: Physical/biological sciences include physical; biological; and earth, atmospheric, and ocean sciences. Data for doctoral degrees use International Standard Classification of Education (ISCED 97), level 6. S&E data do not include health fields.

SOURCES: Organisation for Economic Co-operation and Development (OECD), OECD.Stat Extracts, <http://stats.oecd.org/Index.aspx>; United Kingdom—Higher Education Statistics Agency, special tabulations (various years) (2011); United States—National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey; and National Science Foundation, National Center for Science and Engineering Statistics, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.