

S&E doctoral degrees in selected Western industrialized countries, by field: 1975–2001

Country and field	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
France ^a	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
All S&E	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural sciences ^b	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mathematics/computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Social/behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Engineering	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Germany ^c	11,418	11,531	11,386	11,755	11,939	12,222	12,283	12,963	13,637	14,133	14,951	15,530	16,064	17,321
All S&E	4,588	4,742	4,922	4,677	4,821	4,780	4,710	4,937	4,978	5,153	5,738	6,091	6,576	7,101
Natural sciences ^b	2,238	2,364	2,443	2,287	2,380	2,462	2,444	2,313	2,404	2,315	2,986	3,184	3,440	3,844
Mathematics/computer sciences	242	250	294	242	273	227	213	261	274	239	274	278	294	332
Agricultural sciences	338	347	323	327	281	331	317	361	361	411	414	406	468	450
Social/behavioral sciences	1,015	1,042	1,024	995	959	949	913	1,012	966	1,014	968	1,064	1,068	1,150
Engineering	755	739	838	826	928	811	823	990	973	1,174	1,096	1,159	1,306	1,325
United Kingdom	5,341	5,210	5,331	5,601	5,700	5,804	5,983	6,333	6,528	6,291	6,208	6,492	6,835	7,588
All S&E	4,023	3,981	4,115	4,235	4,222	4,287	4,463	4,738	4,759	4,567	4,608	4,759	5,016	5,663
Natural sciences ^b	2,082	2,070	2,155	2,192	2,303	2,300	2,389	2,515	2,426	2,408	2,409	2,495	2,583	2,787
Mathematics/computer sciences	242	264	282	277	273	256	311	296	289	290	282	290	321	374
Agricultural sciences	209	167	208	194	185	176	195	190	183	223	159	260	192	244
Social/behavioral sciences	431	475	513	539	495	532	541	603	663	657	687	686	732	899
Engineering	1,059	1,005	957	1,033	966	1,023	1,027	1,134	1,198	989	1,071	1,028	1,188	1,359
United States	32,952	32,946	31,716	30,875	31,239	31,020	31,356	31,111	31,282	31,337	31,297	31,902	32,370	33,500
All S&E	8,799	18,472	18,008	17,653	17,872	17,775	18,257	18,275	18,635	18,748	18,935	19,437	19,894	20,932
Natural sciences ^b	7,198	7,075	6,894	6,748	6,962	6,952	7,013	7,244	7,179	7,339	7,326	7,486	7,679	8,156
Mathematics/computer sciences	1,147	1,003	964	959	979	962	960	940	987	993	998	1,128	1,190	1,264
Agricultural sciences	905	788	782	853	855	912	982	951	1,015	997	1,110	997	976	1,015
Social/behavioral sciences	6,538	6,768	6,720	6,668	6,582	6,470	6,774	6,494	6,673	6,506	6,335	6,450	6,337	6,310
Engineering	3,011	2,838	2,648	2,425	2,494	2,479	2,528	2,646	2,781	2,913	3,166	3,376	3,712	4,187

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S&E doctoral degrees in selected Western industrialized countries, by field: 1975–2001

Country and field	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
France ^a	5,963	6,782	7,198	8,585	9,295	10,602	9,801	10,963	11,073	10,582	10,173	NA	NA
All S&E	4,888	5,158	5,384	6,377	6,820	7,555	7,027	8,511	8,962	8,359	7,054	NA	NA
Natural sciences ^b	2,615	2,841	2,883	3,525	3,631	3,866	3,572	4,052	4,394	3,924	2,966	NA	NA
Mathematics/computer sciences	722	795	831	976	1,065	1,203	1,129	1,241	869	845	769	NA	NA
Agricultural sciences	37	53	38	38	52	94	84	194	207	179	179	NA	NA
Social/behavioral sciences	672	488	539	663	797	1,018	815	1,285	1,629	1,559	1,390	NA	NA
Engineering	842	981	1,093	1,175	1,275	1,374	1,427	1,739	1,863	1,852	1,750	NA	NA
Germany ^c	17,901	22,372	22,462	21,438	22,000	22,000	22,387	22,849	24,174	24,890	24,545	24,671	24,796
All S&E	7,568	10,762	10,465	10,148	10,200	10,200	10,889	11,472	11,728	11,966	11,984	11,895	11,803
Natural sciences ^b	4,095	5,319	5,326	5,638	5,700	5,700	5,868	6,078	6,418	6,625	6,271	6,123	5,974
Mathematics/computer sciences	383	429	418	464	500	500	663	810	785	855	980	968	956
Agricultural sciences	518	997	709	602	500	500	507	512	521	562	522	497	472
Social/behavioral sciences	1,200	1,544	1,483	1,344	1,400	1,400	1,741	1,803	1,775	1,824	1,982	2,082	2,181
Engineering	1,372	2,473	2,529	2,100	2,100	2,100	2,110	2,269	2,229	2,100	2,229	2,225	2,220
United Kingdom	7,845	8,242	8,387	8,396	8,717	9,000	7,557	9,761	10,214	10,993	11,338	14,117	14,208
All S&E	5,816	6,207	6,302	6,112	6,098	6,325	5,134	6,526	6,765	7,268	7,386	8,622	8,521
Natural sciences ^b	2,937	3,113	3,151	3,054	3,034	3,200	2,580	3,380	3,421	3,665	3,668	4,373	4,384
Mathematics/computer sciences	415	471	535	519	528	600	454	602	586	565	680	769	761
Agricultural sciences	238	241	248	279	275	325	271	351	324	392	326	337	335
Social/behavioral sciences	878	916	914	935	739	700	502	636	679	809	907	1,135	1,179
Engineering	1,348	1,466	1,454	1,325	1,522	1,500	1,327	1,557	1,755	1,837	1,805	2,008	1,862
United States	34,327	36,067	37,534	38,890	39,801	41,034	41,743	42,414	42,555	42,683	41,140	41,340	40,744
All S&E	21,732	22,868	24,022	24,675	25,443	26,205	26,536	27,243	27,242	27,283	25,940	25,951	25,509
Natural sciences ^b	8,100	8,590	9,091	9,374	9,562	10,004	9,996	10,356	10,436	10,485	9,967	10,014	9,816
Mathematics/computer sciences	1,471	1,597	1,838	1,927	2,026	2,021	2,187	2,042	2,032	2,104	1,938	1,908	1,832
Agricultural sciences	1,086	1,174	1,073	1,063	968	1,078	1,036	1,036	982	1,037	966	942	848
Social/behavioral sciences	6,532	6,613	6,806	6,873	7,189	7,280	7,309	7,500	7,674	7,730	7,737	7,767	7,511
Engineering	4,543	4,894	5,214	5,438	5,698	5,822	6,008	6,309	6,118	5,927	5,332	5,320	5,502

NA not available

^aFrench doctoral degrees are not available in the same data series before 1989 or after 1999.^bNatural sciences include physical, biological, earth, atmospheric, and ocean sciences.^cGerman doctoral degrees include those of former East Germany from 1990 and thereafter.SOURCES: France—National Ministry of Education and Research, *Rapport sur les Études Doctorales*, annual series (Paris); Germany—Federal Statistical Office, *Prüfungen an Hochschulen*, annual series (Wiesbaden); United Kingdom—Higher Education Statistics Agency, special tabulations (Cheltenham, 2003); United States—National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Survey of Earned Doctorates, annual series; and NSF/SRS, WebCASPAR database system, <http://caspar.nsf.gov>.

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