

## S&amp;E doctoral degrees in selected Western industrialized countries, by field: 1975–2001 (revised)

Country and field	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
France <sup>a</sup> .....	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 <sup>b</sup> .....	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 <sup>c</sup> .....	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 <sup>b</sup> .....	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 <sup>d</sup> .....	5,340	5,210	5,330	5,600	5,700	5,800	5,980	6,330	6,530	6,290	6,210	6,490	6,840	7,590
All S&E.....	4,020	3,980	4,120	4,240	4,220	4,290	4,460	4,740	4,760	4,570	4,610	4,760	5,020	5,660
Natural sciences <sup>b</sup> .....	2,080	2,070	2,160	2,190	2,300	2,300	2,390	2,520	2,430	2,410	2,410	2,500	2,580	2,790
Mathematics/computer sciences.....	240	260	280	280	270	260	310	300	290	290	280	290	320	370
Agricultural sciences.....	210	170	210	190	190	180	200	190	180	220	160	260	190	240
Social/behavioral sciences.....	430	480	510	540	500	530	540	600	660	660	690	690	730	900
Engineering.....	1,060	1,010	960	1,030	970	1,020	1,030	1,130	1,200	990	1,070	1,030	1,190	1,360
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 <sup>b</sup> .....	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

Appendix table 2-38

(Page 2 of 2)

## S&amp;E doctoral degrees in selected Western industrialized countries, by field: 1975–2001 (revised)

Country and field	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
France <sup>a</sup> .....	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 <sup>b</sup> .....	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 <sup>c</sup> .....	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 <sup>b</sup> .....	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 <sup>d</sup> .....	7,850	8,240	8,390	8,400	8,720	9,000	7,560	9,760	10,210	10,990	11,340	14,120	14,210
All S&E.....	5,820	6,210	6,300	6,110	6,100	6,330	5,130	6,530	6,770	7,270	7,390	8,620	8,520
Natural sciences <sup>b</sup> .....	2,940	3,110	3,150	3,050	3,030	3,200	2,580	3,380	3,420	3,670	3,670	4,370	4,380
Mathematics/computer sciences.....	420	470	540	520	530	600	450	600	590	570	680	770	760
Agricultural sciences.....	240	240	250	280	280	330	270	350	320	390	330	340	340
Social/behavioral sciences.....	880	920	910	940	740	700	500	640	680	810	910	1,140	1,180
Engineering.....	1,350	1,470	1,450	1,330	1,520	1,500	1,330	1,560	1,760	1,840	1,810	2,010	1,860
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 <sup>b</sup> .....	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

<sup>a</sup>French doctoral degrees are not available in the same data series before 1989 or after 1999.<sup>b</sup>Natural sciences include physical, biological, earth, atmospheric, and ocean sciences.<sup>c</sup>German doctoral degrees include those of former East Germany from 1990 and thereafter.<sup>d</sup>Data for the United Kingdom were revised. Data are now rounded to the nearest 10. Detail may not sum to total because of rounding.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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