

Earned S&E doctoral degree, by selected region, country/economy, and field: 2002 or most recent year

Location	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
All regions	239,759	125,011	50,644	6,921	8,609	22,934	35,913	114,748
Asia ^a	49,592	25,866	9,097	385	3,027	1,742	11,615	23,726
China (2001)	12,465	8,153	2,655	NA	536	621	4,341	4,312
India	11,974	5,527	3,955	NA	838	NA	734	6,447
Japan ^b (2003)	16,314	7,581	1,651	NA	1,258	751	3,921	8,733
Kyrgyzstan	390	213	44	0	14	91	64	177
South Korea	6,690	3,225	590	258	288	190	1,899	3,465
Taiwan (2003)	1,759	1,167	202	127	93	89	656	592
Middle East ^a	6,855	2,791	1,226	179	273	608	505	4,064
Iran (2000)	1,609	305	104	33	33	59	76	1,304
Israel	863	599	337	54	44	109	55	264
Morocco	1,911	680	481	7	0	162	30	1,231
Turkey	2,472	1,207	304	85	196	278	344	1,265
Sub-Saharan Africa ^a	2,277	804	320	0	159	184	141	1,473
Madagascar	213	125	67	0	17	41	0	88
Ghana (2000)	733	211	71	NA	29	29	82	522
Kenya (2000)	1,331	468	182	NA	113	114	59	863
Europe ^a	125,794	59,959	24,952	3,970	3,416	10,898	16,733	65,835
European Union	76,514	40,776	18,834	3,571	1,873	7,288	9,220	35,738
Austria	2,125	1,049	398	100	46	160	345	1,076
Belgium	1,413	888	422	126	59	118	163	525
Denmark	732	311	177	0	0	63	71	421
Finland	1,797	922	246	76	36	204	360	875
France	10,404	6,890	4,160	828	23	922	957	3,514
Germany (2003)	23,043	10,796	5,251	998	501	2,013	2,033	12,247
Greece (2000)	932	367	128	44	36	66	93	565
Ireland	520	351	215	29	10	25	72	169
Italy	3,977	1,958	818	0	342	60	738	2,019
Netherlands	2,556	1,481	489	0	222	326	444	1,075
Portugal	3,723	1,692	426	75	72	597	522	2,031
Spain	6,905	3,162	1,686	383	141	477	475	3,743
Sweden	3,517	2,099	638	162	85	287	927	1,418
United Kingdom ^c (2003)	14,870	8,810	3,780	750	300	1,970	2,020	6,060
European Free Trade Association	3,540	1,446	678	148	97	176	347	2,094
Norway	740	162	2	0	59	76	25	578
Switzerland	2,800	1,284	676	148	38	100	322	1,516
Central/Eastern Europe	45,740	17,737	5,440	251	1,446	3,434	7,166	28,003
Bulgaria	401	169	79	0	28	11	51	232
Croatia	314	174	65	7	10	36	56	140
Czech Republic	1,327	860	274	169	86	103	228	467
Estonia	226	63	29	1	6	10	17	163
Georgia	602	290	96	0	15	115	64	312
Hungary	983	363	134	31	44	70	84	620

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Lithuania	252	105	30	2	1	31	41	147
Romania.....	21,841	4,544	945	0	486	580	2,533	17,297
Russia (2000).....	18,274	10,409	3,567	NA	676	2,415	3,751	7,865
Serbia and Montenegro (2000)	419	173	35	9	33	6	90	246
Slovak Republic.....	734	373	117	19	44	30	163	361
Slovenia	367	214	69	13	17	27	88	153
America ^a	50,821	33,117	13,951	2,189	1,555	9,004	6,418	17,704
North/Central America	46,816	30,656	12,818	2,099	1,178	8,667	5,894	16,160
Canada (2001).....	3,545	2,475	985	140	135	735	480	1,070
Costa Rica (2000).....	760	204	14	61	32	96	1	556
Mexico	1,801	1,086	389	38	89	422	148	715
United States (2003).....	40,710	26,891	11,430	1,860	922	7,414	5,265	13,819
South America	4,005	2,461	1,133	90	377	337	524	1,544
Argentina	344	235	160	5	1	38	31	109
Brazil (1999).....	3,604	2,176	924	85	376	299	492	1,428
Chile (1996).....	57	50	49	NA	NA	NA	1	7
Oceania	4,420	2,474	1,098	198	179	498	501	1,946
Australia	3,910	2,154	938	174	158	427	457	1,756
New Zealand	510	320	160	24	21	71	44	190

NA = not available

^aIncludes only locations for which relatively recent data are available.^bIncludes thesis doctorates, called *ronbun hakase*, earned by employees in industry.^cData are rounded to the nearest 10. Detail may not add to total because of rounding.

NOTES: Physical/biological sciences include physical, biological, earth, atmospheric, and ocean sciences. Data for doctoral degrees use the 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, Center for Education Research and Innovation, Education database, www1.oecd.org/scripts/cde/members/edu_uoeauthenticate.asp; United Nations Educational, Scientific, and Cultural Organization (UNESCO), Institute for Statistics, special tabulations; Iberoamerican Network of Science and Technology Indicators (RICYT), *Principales Indicadores de Ciencia y Tecnología* (1999); China—National Research Center for Science and Technology for Development, special tabulations (2002); India—Department of Science and Technology; Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education, special tabulations* (2005), and Division of Higher Education, special tabulations (2005); Taiwan—Ministry of Education, *Educational Statistics of the Republic of China: 2004* (2004); Germany—Federal Statistical Office, *Prüfungen an Hochschulen 2003* (2004); United Kingdom—Higher Education Statistics Agency, special tabulations (2005); Russia—Center for Science Research and Statistics, unpublished tabulations (2001); Chile—RICYT; Brazil—Ministry of Education and Culture, *Coordenação de Aperfeiçoamento de Pessoal de Nível Superior*, unpublished tabulations (2001); Canada—Statistics Canada, special tabulations (2005), and United States—National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.

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