

## Earned S&amp;E doctoral degrees, by selected region, country/economy, sex, and field: 2002 or most recent year

Sex and location	All fields	All S&E fields	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
<b>Male</b>								
Asia.....	18,025	9,890	2,002	320	1,173	1,089	5,306	8,135
Japan (2004) <sup>a</sup> .....	11,384	6,051	1,311	NA	845	878	3,017	5,333
Kyrgyzstan.....	151	126	81	9	6	4	26	25
South Korea.....	5,141	2,701	457	201	249	147	1,647	2,440
Taiwan (2003).....	1,349	1,012	153	110	73	60	616	337
Middle East.....	4,683	2,827	894	194	188	410	420	1,856
Iran.....	1,151	368	84	26	31	45	72	783
Israel.....	454	344	178	41	26	58	41	110
Morocco.....	1,439	1,275	419	72	0	108	65	164
Turkey.....	1,639	840	213	55	131	199	242	799
Sub-Saharan Africa.....	1,804	523	219	0	114	67	123	1,281
Ghana.....	740	194	68	0	28	24	74	546
Kenya.....	1,064	329	151	0	86	43	49	735
Europe.....	58,506	30,434	14,187	3,449	2,600	7,040	11,851	28,072
European Union.....	42,286	20,648	11,023	2,661	1,033	3,680	6,905	21,638
Austria.....	1,326	736	261	82	33	81	279	590
Belgium.....	907	602	264	97	37	72	132	305
Denmark.....	431	218	123	0	0	41	54	213
Finland.....	972	609	138	64	24	99	284	363
France.....	5,959	4,242	2,378	648	10	505	701	1,717
Germany.....	14,319	7,829	3,536	777	331	1,339	1,846	6,490
Ireland.....	311	220	122	23	7	7	61	91
Italy.....	1,912	1,068	414	0	152	29	473	844
Netherlands.....	1,572	972	294	0	147	167	364	600
Spain.....	3,769	1,808	855	265	82	251	355	1,961
Sweden.....	2,088	1,438	378	135	50	179	696	650
United Kingdom <sup>b</sup> .....	8,720	5,550	2,260	570	160	910	1,660	3,170
European Free Trade Association.....	2,320	1,059	488	127	57	86	301	1,261
Norway.....	468	96	2	0	33	40	21	372
Switzerland.....	1,852	963	486	127	24	46	280	889
Central/Eastern Europe.....	13,900	8,727	2,676	661	1,510	3,274	4,645	5,173
Bulgaria.....	218	133	29	8	11	6	42	85
Croatia.....	180	139	28	7	7	19	43	41
Czech Republic.....	872	610	182	149	57	50	172	262
Estonia.....	72	42	14	1	1	2	9	30
Georgia.....	270	169	27	0	9	54	52	101
Hungary.....	543	248	97	23	35	36	57	295
Russia.....	11,309	7,156	2,241	460	1,364	3,091	4,153	4,153
Slovak Republic.....	436	230	58	13	26	16	117	206
America.....	25,689	18,660	7,457	1,590	792	3,924	4,845	7,029
Canada (2001).....	1,925	1,500	635	95	90	295	385	425
Costa Rica.....	476	177	8	44	26	47	0	299

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Mexico .....	1,100	726	249	32	70	261	114	374
United States.....	22,188	16,257	6,565	1,419	606	3,321	4,346	5,931
Oceania .....	2,459	1,532	644	151	120	226	391	927
Australia.....	2,189	1,344	542	134	106	204	358	845
New Zealand .....	270	188	102	17	14	22	33	82
Female .....								0
Asia .....	5,980	2,054	509	84	345	464	652	3,926
Japan <sup>a</sup> (2004).....	3,776	1,245	247	NA	284	376	338	2,531
Kyrgyzstan .....	245	130	80	10	2	16	22	115
South Korea.....	1,549	524	133	57	39	43	252	1,025
Taiwan (2003) .....	410	155	49	17	20	29	40	255
Middle East .....	2,514	1,238	540	67	85	188	164	1,276
Iran .....	595	74	20	7	2	14	4	521
Israel .....	409	255	159	13	18	51	14	154
Morocco.....	677	542	270	17	0	44	44	135
Turkey.....	833	367	91	30	65	79	102	466
Sub-Saharan Africa.....	513	190	34	0	28	76	18	323
Ghana .....	64	20	3	0	1	5	8	44
Kenya.....	449	170	31	0	27	71	10	279
Europe.....	39,632	15,914	9,086	1,080	1,895	3,900	5,628	23,718
European Union .....	29,573	11,319	7,257	791	722	2,955	1,700	18,254
Austria .....	799	313	137	18	13	79	66	486
Belgium .....	506	286	158	29	22	46	31	220
Denmark.....	301	93	54	0	0	22	17	208
Finland.....	825	313	108	12	12	105	76	512
France.....	4,445	2,648	1,782	180	13	417	256	1,797
Germany.....	8,724	2,967	1,715	221	170	674	187	5,757
Ireland.....	209	131	93	6	3	18	11	78
Italy.....	2,065	890	404	0	190	31	265	1,175
Netherlands.....	984	509	195	0	75	159	80	475
Spain .....	3,136	1,354	831	118	59	226	120	1,782
Sweden.....	1,429	661	260	27	35	108	231	768
United Kingdom <sup>b</sup> .....	6,150	3,260	1,520	180	130	1,070	360	2,890
European Free Trade Association .....	1,220	387	190	21	40	90	46	833
Norway .....	272	66	0	0	26	36	4	206
Switzerland .....	948	321	190	21	14	54	42	627
Central/Eastern Europe.....	8,839	4,208	1,639	268	1,133	855	3,882	4,631
Bulgaria .....	158	93	22	9	13	2	16	65
Croatia .....	158	128	34	7	6	24	16	30
Czech Republic .....	455	250	92	20	29	53	56	205
Estonia.....	77	17	5	2	1	2	0	60
Georgia .....	288	209	64	0	6	66	9	79
Hungary .....	440	115	37	8	9	34	27	325

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Russia.....	6,965	3,253	1,326	216	1,051	660	3,712	3,712
Slovak Republic.....	298	143	59	6	18	14	46	155
America.....	20,852	11,854	5,310	461	373	4,701	986	8,998
Canada (2001).....	1,390	835	330	0	35	415	55	555
Costa Rica.....	359	102	6	17	6	49	1	257
Mexico.....	701	360	140	6	19	161	34	341
United States.....	18,402	10,557	4,834	438	313	4,076	896	7,845
Oceania.....	1,961	942	454	47	59	272	110	1,019
Australia.....	1,721	810	396	40	52	223	99	911
New Zealand.....	240	132	58	7	7	49	11	108

NA = not available

\*Male/female breakouts for number who have completed doctoral degree course work in S&amp;E field; number very close to conferred degrees.

\*Data rounded to nearest 10.

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&amp;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](http://www1.oecd.org/scripts/cde/members/edu_uoeauthenticate.asp); United Nations Educational, Scientific, and Cultural Organization (UNESCO), Institute for Statistics database, <http://www.unesco.org/statistics>. Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education* (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); Mexico—National Association of Universities and Institutions of Higher Education, *Anuario Estadístico 2001: Población Escolar de Posgrado* (2002); Canada—Statistics Canada, special tabulations (2005); and United States—National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates; and Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.

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