

Appendix table 2-40

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Earned S&E doctoral degree, by selected region, country/economy, and field: 2004 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	285,447	149,601	55,947	8,565	10,288	29,692	45,109	135,846
Asia ^a	66,750	34,322	11,744	427	3,644	2,823	15,684	32,428
Armenia	331	216	56	0	9	67	84	115
China	23,446	14,858	4,518	NA	977	1,309	8,054	8,588
India (2003)	13,733	6,318	4,497	NA	1,042	NA	779	7,415
Japan ^b (2005)	16,851	7,658	1,543	NA	1,257	943	3,915	9,193
Kyrgyzstan	431	206	52	13	4	89	48	225
Mongolia	99	30	8	3	10	3	6	69
Philippines	1,748	120	12	13	59	36	0	1,628
South Korea	7,946	3,531	788	232	203	268	2,040	4,415
Taiwan (2005)	2,165	1,385	270	166	83	108	758	780
Middle East ^a	16,076	4,918	1,748	367	485	774	1,544	11,158
Iran	2,304	478	117	34	75	94	158	1,826
Iraq	5,056	1,335	285	86	132	38	794	3,721
Israel	1,135	714	426	57	30	114	87	421
Jordan	202	35	7	2	21	5	0	167
Lebanon	728	26	4	0	0	22	0	702
Morocco	2,155	829	542	70	0	183	34	1,326
Oman	31	3	2	0	1	0	0	28
Saudi Arabia	1,785	221	88	27	5	48	53	1,564
Turkey	2,680	1,277	277	91	221	270	418	1,403
Sub-Saharan Africa ^a	3,078	1,050	275	121	199	296	159	2,028
Ghana (2000)	733	211	71	NA	29	29	82	522
Kenya (2000)	1,331	468	182	NA	113	114	59	863
Uganda	1,014	371	22	121	57	153	18	643
Europe ^a	137,072	71,273	27,452	5,101	3,348	15,876	19,496	65,799
European Union	83,188	45,398	20,433	4,514	1,864	8,166	10,421	37,790
Austria	2,443	1,107	326	118	42	224	397	1,336
Belgium	1,479	906	546	112	47	112	89	573
Denmark	788	531	0	100	0	55	376	257
Finland	1,863	956	304	75	36	177	364	907
France	8,420	5,585	3,366	676	18	746	779	2,835
Germany (2005)	25,952	12,194	5,825	1,023	575	2,560	2,211	13,758
Greece	1,295	905	573	138	36	39	119	390
Iceland	10	5	4	0	0	1	0	5
Ireland	683	411	234	31	14	24	108	272
Italy	6,351	3,834	1,650	281	276	450	1,177	2,517
Netherlands	2,679	1,498	499	0	205	311	483	1,181
Portugal	3,963	2,259	601	432	60	587	579	1,704
Spain	8,168	3,672	1,856	393	186	634	603	4,496
Sweden	3,834	2,385	689	255	49	296	1,096	1,449
United Kingdom ^c	15,260	9,150	3,960	880	320	1,950	2,040	6,110
European Free Trade Association	3,708	1,406	697	94	73	217	325	2,302
Norway	756	124	0	0	41	77	6	632
Switzerland	2,952	1,282	697	94	32	140	319	1,670
Central/Eastern Europe	50,176	24,469	6,322	493	1,411	7,493	8,750	25,707
Bulgaria	392	172	64	13	9	12	74	220
Croatia (2003)	314	177	65	10	10	36	56	137
Czech Republic	1,732	1,059	307	103	86	95	468	673
Estonia	209	71	42	8	1	4	16	138
Georgia	481	246	72	0	20	86	68	235
Hungary	893	323	152	19	40	76	36	570
Latvia	84	47	9	6	5	14	13	37
Lithuania	301	173	60	10	7	34	62	128
Macedonia	67	30	8	1	0	4	17	37
Poland	5,460	908	0	0	0	0	908	4,552
Romania	2,680	1,221	151	0	1	379	690	1,459
Russia	29,850	16,003	4,442	NA	893	5,910	4,758	13,847

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Earned S&E doctoral degree, by selected region, country/economy, and field: 2004 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
Serbia and Montenegro (2001)	419	180	35	9	33	6	97	239
Slovak Republic.....	854	430	156	21	36	62	155	424
Slovenia	355	230	75	18	6	45	86	125
Ukraine	6,085	3,199	684	275	264	730	1,246	2,886
America ^a	57,085	35,131	13,499	2,326	2,421	9,288	7,597	21,954
North/Central America	48,381	29,950	11,211	2,288	1,387	8,512	6,552	18,431
Canada	3,709	2,175	755	149	127	657	487	1,534
Costa Rica.....	30	7	0	0	5	2	0	23
Cuba.....	162	100	58	0	10	4	28	62
Mexico	2,325	1,393	436	115	199	382	261	932
United States	42,155	26,275	9,962	2,024	1,046	7,467	5,776	15,880
South America.....	8,704	5,181	2,288	38	1,034	776	1,045	3,523
Argentina (2003)	422	297	212	24	5	37	19	125
Brazil (2003)	8,094	4,726	1,941	NA	1,026	736	1,023	3,368
Chile	188	158	135	14	3	3	3	30
Oceania.....	5,386	2,907	1,229	223	191	635	629	2,479
Australia.....	4,763	2,570	1,046	179	190	569	586	2,193
New Zealand.....	623	337	183	44	1	66	43	286

NA = not available

^aIncludes only locations for which relatively recent data available.^bIncludes thesis doctorates, called ronbun hakase, earned by employees in industry.^cData rounded to 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 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, Education Online Database, <http://www.oecd.org/education/database/>; United Nations Educational, Scientific, and Cultural Organization (UNESCO), Institute for Statistics, special tabulations (2006); China—*China Statistical Yearbook 2005*; India—Department of Science and Technology; Japan—Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Monbusho Survey of Education, special tabulations (2007), and Division of Higher Education, special tabulations (2007); Taiwan—Ministry of Education, Educational Statistics of the Republic of China: 2006 (2006); Germany—Federal Statistical Office, Prüfungen an Hochschulen 2004 (2005); United Kingdom—Higher Education Statistics Agency, special tabulations (2007); Russia—State University Higher School of Economics, special tabulations (2007); Brazil—Ministry of Science and Technology, Indicadores Nacionais de Ciência e Tecnologia, <http://www.mct.gov.br/index.php/content/view/7787.html>, accessed 3 April 2007; Canada—Statistics Canada, special tabulations (2007); 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>.