

Appendix table 2-36

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Earned S&E doctoral degrees in selected regions and locations, by field: 2000 or most recent year

Region and location	All doctoral degrees	All S&E	Natural sciences ^a	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
All regions	207,383	114,337	46,715	7,389	7,761	20,054	32,418	93,046
Asia ^b	47,489	24,409	8,658	373	3,085	1,467	10,826	23,080
China (2001)	13,001	8,153	2,655	NA	536	621	4,341	4,848
India (1997).....	10,408	4,764	3,498	NA	968	NA	298	5,644
Japan ^c (2001).....	16,078	7,401	1,586	NA	1,241	610	3,964	8,677
Kyrgyzstan	396	256	161	19	8	20	48	140
South Korea.....	6,143	2,865	614	247	242	108	1,654	3,278
Taiwan (2001)	1,463	970	144	107	90	108	521	493
Middle East ^b	5,759	2,902	1,307	241	265	495	594	2,857
Iran	1,609	305	104	33	33	59	76	1,304
Israel	688	497	271	58	23	68	77	191
Morocco.....	1,338	1,039	689	89	0	152	109	299
Turkey.....	2,124	1,061	243	61	209	216	332	1,063
Sub-Saharan Africa ^b	2,064	679	253	0	142	143	141	1,385
Ghana	733	211	71	NA	29	29	82	522
Kenya.....	1,331	468	182	NA	113	114	59	863
Europe ^b	97,840	53,119	23,567	4,412	2,577	8,927	13,636	44,721
European Union.....	72,763	39,220	18,634	4,057	1,654	6,003	8,872	33,543
Austria	1,790	913	321	91	30	131	340	877
Belgium	1,147	789	479	NA	48	109	153	358
Denmark.....	913	462	207	NA	69	NA	186	451
Finland.....	1,891	974	285	61	36	218	374	917
France.....	9,903	6,577	3,959	800	22	876	920	3,326
Germany (2001).....	24,796	11,803	5,974	956	472	2,181	2,220	12,993
Greece.....	932	367	128	44	36	66	93	565
Ireland.....	501	325	214	19	16	27	49	176
Italy.....	3,557	1,731	55	704	163	92	717	1,826
Netherlands	2,483	1,309	464	0	183	242	420	1,174
Portugal	1,586	871	186	149	35	212	289	715
Spain	6,007	2,730	1,438	323	144	417	408	3,277
Sweden.....	3,049	1,848	540	149	65	253	841	1,201
United Kingdom (2001).....	14,208	8,521	4,384	761	335	1,179	1,862	5,687
European Free Trade Association	3,391	1,418	729	129	76	149	335	1,973
Norway	658	195	7	NA	36	77	75	463
Switzerland.....	2,733	1,223	722	129	40	72	260	1,510
Central/Eastern Europe.....	21,686	12,481	4,204	226	847	2,775	4,429	9,205
Bulgaria	308	158	51	17	24	8	58	150
Croatia.....	262	191	62	14	13	43	59	71
Czech Republic	895	606	183	143	45	51	184	289
Estonia.....	127	37	19	3	2	4	9	90
Georgia	467	287	91	NA	15	120	61	180
Hungary	717	412	162	32	32	83	103	305
Lithuania.....	217	208	34	8	7	45	114	9
Russia.....	18,274	10,409	3,567	NA	676	2,415	3,751	7,865
Serbia and Montenegro.....	419	173	35	9	33	6	90	246

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Region and location	All doctoral degrees	All S&E	Natural sciences ^a	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
America ^b	50,544	31,198	12,015	2,188	1,512	8,738	6,745	19,346
North/Central America.....	46,475	28,590	10,824	2,095	1,039	8,421	6,211	17,885
Canada.....	3,978	2,249	718	184	112	656	579	1,729
Costa Rica.....	760	204	14	61	32	96	1	556
Mexico.....	993	628	276	18	47	158	129	365
United States (2001).....	40,744	25,509	9,816	1,832	848	7,511	5,502	15,235
South America.....	4,069	2,608	1,191	93	473	317	534	1,461
Argentina (1996).....	408	382	218	8	97	18	41	26
Brazil (1999).....	3,604	2,176	924	85	376	299	492	1,428
Chile (1996).....	57	50	49	NA	NA	NA	1	7
Oceania								
Australia.....	3,687	2,030	915	175	180	284	476	1,657

NA not available

^aIncludes physical, biological, earth, atmospheric, and ocean sciences.^bIncludes only those locations for which relatively recent data are available.^cIncludes thesis doctorates, called *ronbun hakase*, earned by employees in industry.

NOTES: 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 at a Glance 2002*; United Nations Educational, Scientific, and Cultural Organization (UNESCO), UNESCO Institute for Statistics database, <http://www.unesco.org/statistics>; Iberoamerican Network of Science and Technology Indicators (RICYT), *Principales Indicadores de Ciencia y Tecnología* (Buenos Aires, 1999); China—National Research Center for Science and Technology for Development, special tabulations (2002); India—Department of Science and Technology, *Research and Development Statistics 1996–97* (New Delhi, 1999); Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education*, special tabulations (Tokyo, 2003), and Division of Higher Education, special tabulations, 2003; Taiwan—Ministry of Education, *Educational Statistics of the Republic of China: 2002* (Taipei, 2002); France—National Ministry of Education and Research, *Rapport sur les Études Doctorales* (Paris, 2001); Germany—Federal Statistical Office, *Prüfungen an Hochschulen 2001* (Wiesbaden, 2002); United Kingdom—Higher Education Statistics Agency, special tabulations (Cheltenham, 2003), Russia—Center for Science Research and Statistics, unpublished tabulations, 2001; Argentina and Chile—RICYT; Brazil—Ministry of Education and Culture, Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, unpublished tabulations, 2001; Mexico—National Association of Universities and Institutions of Higher Education, *Anuario Estadístico 2001: Población Escolar de Posgrado* (Mexico, 2002); and United States—National Science Foundation, Division of Science Resources Statistics, *Science and Engineering Doctorate Awards: 2001*, NSF 03-300 (Arlington, VA, 2002).