

Appendix table 2-37

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Earned S&E doctoral degrees in selected regions and locations, by sex and field: 2000 or 2001

Sex, region, and location	All fields	All S&E	Natural sciences ^a	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Male								
Asia.....	16,362	8,809	1,839	304	1,014	887	4,765	7,266
Japan ^b	10,177	5,397	1,149	0	730	706	2,812	4,780
Kyrgyzstan.....	151	126	81	9	6	4	26	25
South Korea.....	4,886	2,425	501	197	213	96	1,418	2,461
Taiwan.....	1,148	861	108	98	65	81	509	287
Middle East.....	4,310	2,648	798	183	179	339	428	1,662
Iran.....	1,151	368	84	26	31	45	72	783
Israel.....	385	303	157	48	12	30	56	82
Morocco.....	1,439	1,275	419	72	0	108	65	164
Turkey.....	1,335	702	138	37	136	156	235	633
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.....	58,727	35,246	14,352	3,169	1,587	5,396	10,628	23,600
European Union.....	43,283	25,812	11,263	2,887	987	3,788	6,887	17,644
Austria.....	1,142	644	206	76	21	66	275	498
Belgium.....	757	536	299	0	37	70	130	221
Denmark.....	562	318	143	0	30	0	145	417
Finland.....	1,068	635	166	45	21	114	289	433
France.....	5,833	4,152	2,327	635	10	494	686	1,681
Germany.....	17,807	9,603	4,394	883	331	1,944	2,051	8,204
Ireland.....	265	175	104	12	14	10	35	90
Italy.....	1,680	988	20	381	76	45	466	692
Netherlands.....	1,739	982	345	0	133	151	353	757
Spain.....	3,364	1,605	783	204	93	211	314	1,759
Sweden.....	1,932	1,303	331	121	42	152	657	629
United Kingdom.....	7,134	4,871	2,145	530	179	531	1,486	2,263
European Free Trade Association.....	2,315	1,062	520	116	56	78	292	1,253
Norway.....	439	140	3	0	27	46	64	299
Switzerland.....	1,876	922	517	116	29	32	228	954
Central/Eastern Europe.....	13,129	8,372	2,569	166	544	1,530	3,449	4,703
Bulgaria.....	218	133	29	8	11	6	42	85
Croatia.....	180	139	28	7	7	19	43	41
Czech Republic.....	637	462	123	131	36	29	143	175
Estonia.....	72	42	14	1	1	2	9	30
Georgia.....	270	169	27	0	9	54	52	47
Hungary.....	443	271	107	19	20	56	69	172
Russia.....	11,309	7,156	2,241		460	1,364	3,091	4,153
America.....	26,305	18,302	6,816	1,602	698	3,897	5,165	8,003
Canada.....	2,427	1,542	510	147	78	306	501	885
Costa Rica.....	476	177	8	44	26	47	0	299
Mexico.....	633	421	183	13	39	86	100	212
United States.....	22,769	16,162	6,115	1,398	555	3,458	4,564	6,607
Oceania.....								
Australia.....	2,211	1,372	573	136	120	152	391	839
Female								
Asia.....	4,536	1,599	390	77	270	394	468	2,937
Japan ^b	2,985	1,006	194	0	223	320	269	1,979
Kyrgyzstan.....	245	130	80	10	2	16	22	115
South Korea.....	991	354	80	58	20	31	165	637
Taiwan.....	315	109	36	9	25	27	12	206
Middle East.....	2,364	1,169	509	58	86	156	166	1,195
Iran.....	595	74	20	7	2	14	4	521
Israel.....	303	194	114	10	11	38	21	109
Morocco.....	677	542	270	17	0	44	44	135
Turkey.....	789	359	105	24	73	60	97	430
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

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Sex, region, and location	All fields	All S&E	Natural sciences ^a	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering	Non-S&E
Europe.....	33,576	15,345	8,056	929	816	2,990	2,405	18,305
European Union.....	24,322	11,004	6,281	873	533	1,725	1,586	13,392
Austria.....	648	269	115	15	9	65	65	379
Belgium.....	390	253	180	0	11	39	23	137
Denmark.....	351	144	64	0	39	0	41	310
Finland.....	823	339	119	16	15	104	85	484
France.....	4,070	2,425	1,632	165	12	382	234	1,645
Germany.....	6,989	2,200	1,580	73	141	237	169	4,789
Ireland.....	236	150	110	7	2	14	13	57
Italy.....	1,877	743	35	323	87	47	251	1,134
Netherlands.....	744	327	119	0	50	91	67	417
Spain.....	2,643	1,125	655	119	51	206	94	1,518
Sweden.....	1,117	545	209	28	23	101	184	572
United Kingdom.....	4,434	2,484	1,463	127	93	439	360	1,950
European Free Trade Association.....	1,076	356	209	13	20	71	43	720
Norway.....	219	55	4	0	9	31	11	164
Switzerland.....	857	301	205	13	11	40	32	556
Central/Eastern Europe.....	8,178	3,985	1,566	43	263	1,194	776	4,193
Bulgaria.....	158	93	22	9	13	2	16	65
Croatia.....	158	128	34	7	6	24	16	30
Czech Republic.....	258	144	60	12	9	22	41	114
Estonia.....	77	17	5	2	1	2	0	60
Georgia.....	288	209	64	0	6	66	9	79
Hungary.....	274	141	55	13	12	27	34	133
Russia.....	6,965	3,253	1,326	216	1,051	660	3,712	9,902
America.....	20,171	10,319	3,874	490	336	4,515	1,033	9,902
Canada.....	1,551	707	208	37	34	350	78	844
Costa Rica.....	359	102	6	17	6	49	1	257
Mexico.....	360	207	93	5	8	72	29	153
United States.....	17,901	9,303	3,567	431	288	4,044	925	8,598
Oceania								
Australia.....	1,476	658	342	39	60	132	85	818

NA not available

^aNatural sciences include physical, biological, earth, atmospheric, and ocean sciences.^bJapanese data for male/female breakouts are for the number who have completed doctoral degree course work in S&E fields; this number is very close to conferred degrees.

NOTES: Data for doctoral degrees use the International Standard Classification of Education (ISCED 97), level 6. Data from national sources are for 2001; data from international sources are for 2000.

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), the UNESCO Institute for Statistics database, <http://www.unesco.org/statistics>. Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education* (Tokyo, 2002); Taiwan—Ministry of Education, *Educational Statistics of the Republic of China: 2002* (Taipei, 2002); Germany—Federal Statistical Office, *Prüfungen an Hochschulen 2001* (Wiesbaden, 2002); United Kingdom—Higher Education Statistics Agency, special tabulations (Cheltenham, 2002); 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* (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).