Appendix Table 2-38 Earned S&E doctoral degrees, by selected region/country/economy and field: 2012 or most recent year

		S&E field						
Region/country/economy	All fields	All S&E	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering[a]	Non-S&E
Asia[b]								
Armenia (2010)	614	201	111	*	9	31	50	413
China[c]	51,713	32,331	9,762	NA	2,365	2,314	17,890	19,382
Georgia	270	151	24	57	*	43	27	119
India (2011)	21,544	13,782	5,442	240	1,804	4,215	2,081	7,762
Japan(2011)[d]	15,911	7,100	1,436	NA	1,046	1,019	3,599	8,811
Kyrgyzstan	499	261	34	57	3	116	51	238
Malaysia	2,898	1,314	284	265	49	307	409	1,584
Mongolia	99	43	7	2	10	16	8	56
Philippines (2004)	1,748	56	NA	13	NA	36	7	1,692
South Korea	12,243	4,945	1,372	257	235	405	2,676	7,298
Taiwan	3,861	2,478	537	133	94	171	1,543	1,383
Tajikistan (2010)	295	91	45	*	28	4	14	204
Middle East[b]								
Iran	4,012	1,451	515	109	229	238	360	2,561
Iraq (2004)	5,056	541	285	86	132	38	*	4,515
Israel	1,586	986	556	98	36	183	113	600
Jordan (2009)	472	54	13	9	4	23	5	418

		S&E field						
Region/country/economy	All fields	All S&E	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering [a]	Non-S&E
Lebanon (2011)	171	19	1	*	*	18	*	152
Saudi Arabia	557	98	46	13	1	31	7	459
Turkey	4,506	1,900	787	235	204	327	347	2,606
Africa[b]								
Cameroon (2008)	680	485	242	25	*	218	*	195
Egypt	6,150	NA	NA	NA	NA	NA	NA	NA
Ethiopia (2010)	149	40	4	4	10	22	*	109
Madagascar	575	252	134	8	41	26	43	323
Mozambique (2011)	503	156	52	1	69	34	*	347
South Africa	1,900	NA	NA	NA	NA	NA	NA	NA
Sudan	1,583	235	48	7	100	55	25	1,348
Tunisia	962	742	290	136	34	110	172	220
Europe[b]								
EU								
Austria	2,412	1,255	384	195	40	250	386	1,157
Belgium	2,368	1,315	427	92	63	232	501	1,053
Bulgaria	979	391	118	37	24	109	103	588
Czech Republic	2,683	1,377	574	144	151	173	335	1,306
Denmark	1,552	832	*	276	*	170	386	720
Estonia	190	137	61	15	8	22	31	53

		S&E field						
Region/country/economy	All fields	All S&E	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering [a]	Non-S&E
Finland	1,830	890	240	84	36	205	325	940
France	13,188	8,854	5,048	1,137	*	1,269	1,400	4,334
Germany	26,807	12,380	6,844	1,427	433	1,534	2,142	14,427
Greece	1,734	651	170	121	66	79	215	1,083
Hungary	1,242	492	233	60	60	80	59	750
Ireland	1,447	645	255	257	8	57	68	802
Italy	11,458	4,540	2,277	416	491	877	479	6,918
Latvia	267	135	33	20	4	39	39	132
Lithuania	398	233	62	14	21	65	71	165
Netherlands	4,040	NA	NA	NA	NA	NA	NA	NA
Poland	3,590	NA	NA	NA	NA	NA	NA	NA
Portugal	2,909	1,519	589	138	16	367	409	1,390
Romania (2011)	5,615	3,119	521	NA	252	188	2,158	2,496
Slovak Republic	2,181	885	232	57	61	122	413	1,296
Slovenia	569	315	101	53	3	81	77	254
Spain	9,483	5,300	2,740	735	*	1,182	643	4,183
Sweden	3,343	1,716	624	243	41	208	600	1,627
United Kingdom	20,438	10,993	4,316	1,460	161	2,934	2,122	9,445
Other Europe								
Croatia	1,338	567	212	27	82	148	98	771
Iceland	40	19	12	2	*	2	3	21
Macedonia	146	47	10	3	*	23	11	99
Norway	1,408	121	NA	NA	*	119	2	1,287

		S&E field						
Region/country/economy	All fields	All S&E	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering [a]	Non-S&E
Russia	34,403	NA	NA	NA	NA	NA	NA	NA
Serbia	561	265	73	36	32	53	71	296
Switzerland	3,638	1,787	903	201	30	251	402	1,851
Ukraine	9,248	4,569	902	339	301	1,787	1,240	4,679
America[b]								
North America								
Canada	5,906	3,941	1,746	417	107	791	880	1,965
Mexico	5,119	2,075	742	44	211	617	461	3,044
United States	62,071	35,360	13,143	3,360	1,144	8,840	8,873	26,711
Central America and Caribbean								
Cuba (2011)	632	272	88	NA	45	71	68	360
South America								
Argentina (2010)	1,518	1,041	576	97	39	215	114	477
Brazil	13,912	NA	NA	NA	NA	NA	NA	NA
Chile	538	358	220	15	28	30	65	180
Colombia	258	167	73	7	20	3	64	91
Uruguay (2010)	39	36	26	1	*	6	3	3
Oceania[b]								

		S&E field						
Region/country/economy	All fields	All S&E	Physical/ biological sciences	Mathematics/ computer sciences	Agricultural sciences	Social/ behavioral sciences	Engineering [a]	Non-S&E
Australia (2011)	6,547	3,321	1,406	334	235	818	528	3,226
New Zealand	1,062	563	285	74	9	105	90	499

* = nil or negligible; NA = not available.

EU = European Union.

[a] For Organisation for Economic Co-operation and Development (OECD) countries, data correspond to "engineering and engineering trades" and are not comparable with data published in previous rounds of this publication.

[b] Includes only locations for which relatively recent data are available.

[c] China data include mathematics under physical and biological sciences and computer sciences under engineering.

[d] Includes thesis doctorates, called *ronbun hakase*, earned by employees in industry.

NOTES: Physical/biological sciences include physical; biological; and 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: OECD, OECD.StatExtracts, http://stats.oecd.org; United Nations Educational, Scientific and Cultural Organization Institute for Statistics database, special tabulations (2015); China—National Bureau of Statistics of China, *China Statistical Yearbook* (Beijing) (2013); India—Government of India, Ministry of Human Resource Development, Department of Higher Education, *All India Survey on Higher Education 2011–12* (2014); Japan—Japan Student Services Organization, special tabulations (2014); Taiwan—Ministry of Education, Educational Statistics of the Republic of China (Taiwan): 2012 (2012); United States—National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey; National Science Foundation, National Center for Science and Engineering Statistics, Integrated Science and Engineering Resources Data System (WebCASPAR), http://webcaspar.nsf.gov.

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