

Appendix table 2-43

S&E doctoral degrees, by selected Asian country/economy and field: Selected years, 1983–2003

Country/economy and field	1983	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003
China.....	19	234	622	1,904	2,556	2,114	4,364	6,793	10,160	11,383	12,465	NA	NA
All S&E.....	NA	125	218	1,024	1,198	1,895	3,417	5,328	6,778	7,304	8,153	NA	NA
Physical/biological sciences.....	NA	33	52	141	252	528	1,191	1,678	2,135	2,306	2,655	NA	NA
Mathematics/computer sciences.....	NA	23	31	78	95	103	187	334	417	NA	NA	NA	NA
Agricultural sciences.....	NA	1	8	56	37	92	182	328	444	462	536	NA	NA
Social/behavioral sciences.....	NA	0	0	23	47	102	198	325	513	514	621	NA	NA
Engineering.....	NA	68	127	726	767	1,069	1,659	2,643	3,269	4,484	4,341	NA	NA
India.....	6,597	7,438	7,603	8,284	8,383	9,070	9,070	10,408	10,951	11,296	11,544	11,974	13,733
All S&E.....	3,886	4,007	4,123	4,209	4,294	4,320	4,000	4,764	5,317	5,395	5,394	5,527	6,318
Physical/biological sciences.....	2,800	2,922	2,937	3,044	2,950	3,386	2,950	3,498	3,836	3,885	3,727	3,955	4,497
Mathematics/computer sciences.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences.....	575	576	583	579	715	611	715	968	785	787	889	838	1,042
Social/behavioral sciences.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Engineering.....	511	509	603	586	629	323	335	298	696	723	778	734	779
Japan.....	7,233	7,978	9,157	10,036	10,758	11,576	12,645	13,921	15,470	15,357	16,078	16,183	16,314
All S&E.....	2,676	3,088	3,248	3,561	3,874	4,438	5,205	6,157	7,082	7,089	7,401	7,461	7,581
Physical/biological sciences.....	774	860	837	876	863	1,009	1,182	1,315	1,542	1,579	1,586	1,602	1,651
Mathematics/computer sciences.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences.....	515	697	715	734	791	824	956	1,043	1,100	1,147	1,241	1,248	1,258
Social/behavioral sciences.....	97	127	149	177	191	243	276	388	506	563	610	656	751
Engineering.....	1,290	1,404	1,547	1,774	2,029	2,362	2,791	3,411	3,934	3,800	3,964	3,955	3,921
South Korea.....	845	1,400	1,906	2,458	2,984	3,583	4,462	4,999	5,586	6,143	NA	6,690	NA
All S&E.....	281	548	759	984	1,135	1,421	1,920	2,189	2,607	2,865	NA	3,225	NA
Physical/biological sciences.....	83	212	277	192	225	244	358	427	438	614	NA	590	NA
Mathematics/computer sciences.....	0	0	0	105	99	124	169	187	188	247	NA	258	NA
Agricultural sciences.....	60	89	110	175	156	172	223	178	230	242	NA	288	NA
Social/behavioral sciences.....	41	50	102	97	189	222	232	240	168	108	NA	190	NA
Engineering.....	97	197	270	415	466	659	938	1,157	1,583	1,654	NA	1,899	NA
Taiwan.....	86	115	225	314	410	701	848	1,187	1,337	1,400	1,463	NA	1,759
All S&E.....	58	109	197	257	370	513	650	839	892	931	970	NA	1,167
Physical/biological sciences.....	8	20	35	42	62	97	115	163	150	147	144	NA	202
Mathematics/computer sciences.....	4	4	14	18	32	45	55	88	119	113	107	NA	127
Agricultural sciences.....	17	10	28	36	36	48	63	79	76	83	90	NA	93
Social/behavioral sciences.....	15	16	22	41	31	36	44	76	65	87	108	NA	89
Engineering.....	14	59	98	120	209	287	373	433	482	502	521	NA	656

NA = not available

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&E data do not include health fields. Japanese data include thesis doctorates, called *ronbun hakase*, earned by employees in industry. In Japanese higher education data, mathematics is included in natural sciences; computer sciences are included in engineering.

SOURCES: China—National Research Center for Science and Technology for Development and *Educational Yearbook, 2002*; India—Department of Science and Technology; Japan—Government of Japan, Ministry of Education, Culture and Science, *Monbusho Survey of Education* (annual series); and Division of Higher Education, special tabulations (2005); South Korea—Organisation for Economic Co-operation and Development, Center for Education Research and Innovation, Education database, http://www1.oecd.org/scripts/cde/members/EDU_UOEAAuthenticate.asp; and Taiwan—Ministry of Education, *Educational Statistics of the Republic of China* (annual series).