

Appendix table 2-43

S&E doctoral degrees, by selected Asian country/economy and field: Selected years, 1985–2005

Country/economy and field	1985	1987	1989	1991	1993	1995	1997	1999	2000	2001	2002	2003	2004	2005
China.....	234	622	1,904	2,556	2,114	4,364	6,793	10,160	11,383	12,465	14,638	18,806	23,446	NA
All S&E	125	218	1,024	1,198	1,894	3,417	5,308	6,778	7,766	8,153	9,523	12,238	14,858	NA
Physical/biological sciences	33	52	141	252	528	1,191	1,678	2,135	2,306	2,655	2,808	3,705	4,518	NA
Mathematics/computer sciences.....	23	31	78	95	103	187	334	417	NA	NA	NA	NA	NA	NA
Agricultural sciences	1	8	56	37	92	182	328	444	462	536	626	756	977	NA
Social/behavioral sciences	0	0	23	47	102	198	325	513	514	621	837	1,204	1,309	NA
Engineering	68	127	726	767	1,069	1,659	2,643	3,269	4,484	4,341	5,252	6,573	8,054	NA
India	7,438	7,603	8,284	8,383	9,070	9,070	10,408	10,951	11,296	11,544	11,974	13,733	NA	NA
All S&E	4,007	4,123	4,209	4,294	4,320	4,000	4,764	5,317	5,395	5,394	5,527	6,318	NA	NA
Physical/biological sciences	2,922	2,937	3,044	2,950	3,386	2,950	3,498	3,836	3,885	3,727	3,955	4,497	NA	NA
Mathematics/computer sciences.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	576	583	579	715	611	715	968	785	787	889	838	1,042	NA	NA
Social/behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Engineering	509	603	586	629	323	335	298	696	723	778	734	779	NA	NA
Japan	7,978	9,157	10,036	10,758	11,576	12,645	13,921	15,470	15,357	16,078	16,183	16,314	16,909	16,851
All S&E	3,088	3,248	3,561	3,874	4,438	5,205	6,157	7,082	7,089	7,401	7,461	7,581	7,912	7,658
Physical/biological sciences	860	837	876	863	1,009	1,182	1,315	1,542	1,579	1,586	1,602	1,651	1,679	1,543
Mathematics/computer sciences.....	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	697	715	734	791	824	956	1,043	1,100	1,147	1,241	1,248	1,258	1,348	1,257
Social/behavioral sciences	127	149	177	191	243	276	388	506	563	610	656	751	808	943
Engineering	1,404	1,547	1,774	2,029	2,362	2,791	3,411	3,934	3,800	3,964	3,955	3,921	4,077	3,915
South Korea.....	1,400	1,906	2,458	2,984	3,583	4,462	4,999	5,586	6,143	6,208	6,690	7,172	7,946	NA
All S&E	548	759	984	1,135	1,421	1,920	2,189	2,607	2,865	2,956	3,225	3,192	3,531	NA
Physical/biological sciences	212	277	192	225	244	358	427	438	614	581	590	711	788	NA
Mathematics/computer sciences.....	0	0	105	99	124	169	187	188	247	282	258	222	232	NA
Agricultural sciences	89	110	175	156	172	223	178	230	242	260	288	169	203	NA
Social/behavioral sciences	50	102	97	189	222	232	240	168	108	195	190	222	268	NA
Engineering	197	270	415	466	659	938	1,157	1,583	1,654	1,638	1,899	1,868	2,040	NA
Taiwan.....	115	225	314	410	701	848	1,187	1,337	1,400	1,463	1,501	1,759	1,964	2,165
All S&E	109	197	257	370	513	650	839	892	932	970	966	1,167	1,291	1,385
Physical/biological sciences	20	35	42	62	97	115	163	150	147	144	166	202	206	270
Mathematics/computer sciences.....	4	14	18	32	45	55	88	119	113	107	107	127	136	166
Agricultural sciences	10	28	36	36	48	63	79	76	83	90	93	93	116	83
Social/behavioral sciences	16	22	41	31	36	44	76	65	87	108	72	89	111	108
Engineering	59	98	120	209	287	373	433	482	502	521	528	656	722	758

NA = not available

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. Japanese data include thesis doctorates, called *ronbun hakase*, earned by employees in industry. In Japanese higher education data, mathematics included in natural sciences; computer sciences included in engineering.

SOURCES: China—National Research Center for Science and Technology for Development and *Education Statistics Yearbook of China* (various years); India—Department of Science and Technology; Japan—Government of Japan, Ministry of Education, Culture, Sports, Science and Technology, Higher Education Bureau, Monbusho Survey of Education (annual series), special tabulations (2007); South Korea—Organisation for Economic Co-operation and Development, Education Online Database, <http://www.oecd.org/education/database/>; and Taiwan—Ministry of Education, Educational Statistics of the Republic of China (annual series).