

APPENDIX TABLE 2-39

**S&E doctoral degrees, by selected Asian country or economy and field: 2000–14**

(Number)

Country or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
China <sup>a</sup>	11,383	12,465	14,638	18,806	23,446	27,677	36,247	41,464	43,759	48,658	48,987	50,289	51,713	53,139	53,653
All S&E	7,766	8,153	9,523	12,238	14,858	17,595	22,953	26,582	28,439	31,423	31,410	32,208	32,331	33,490	34,103
Physical and biological sciences and mathematics and statistics	2,306	2,655	2,808	3,705	4,518	5,458	7,241	8,051	8,953	9,570	9,638	9,881	9,762	10,396	10,922
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	462	536	626	756	977	1,093	1,544	1,903	1,936	2,006	1,973	2,241	2,365	2,435	2,382
Social and behavioral sciences	514	621	837	1,204	1,309	1,617	2,038	2,149	2,274	2,461	2,371	2,383	2,314	2,328	2,262
Engineering	4,484	4,341	5,252	6,573	8,054	9,427	12,130	14,479	15,276	17,386	17,428	17,703	17,890	18,331	18,537
India	11,296	11,544	11,974	13,733	17,853	17,898	18,730	NA	NA	NA	NA	21,544	23,630	NA	21,830
All S&E	5,541	5,504	5,637	6,471	7,636	7,537	7,982	NA	NA	NA	NA	13,782	14,658	NA	13,144
Physical and biological sciences and mathematics and statistics	3,885	3,727	3,955	4,497	5,612	5,549	5,625	NA	NA	NA	NA	5,442	4,381	NA	5,721
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	240	291	NA	321
Agricultural sciences	933	999	948	1,195	1,142	1,020	1,299	NA	NA	NA	NA	1,804	3,203	NA	1,545
Social and behavioral sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4,215	4,597	NA	2,960
Engineering	723	778	734	779	882	968	1,058	NA	NA	NA	NA	2,081	2,186	NA	2,597
Japan <sup>b</sup>	15,357	16,078	16,183	16,314	16,909	16,851	17,396	17,291	16,735	15,872	16,760	15,911	15,902	15,427	15,045
All S&E	7,089	7,401	7,461	7,581	7,912	7,658	8,122	8,017	7,761	7,396	7,470	7,100	7,100	6,791	6,743



Country or economy and field	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Physical and biological sciences and mathematics and statistics	1,579	1,586	1,602	1,651	1,679	1,543	1,633	1,686	1,525	1,480	1,534	1,436	1,394	1,423	1,377
Computer sciences	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Agricultural sciences	1,147	1,241	1,248	1,258	1,348	1,257	1,321	1,233	1,222	1,170	1,233	1,046	1,059	1,062	941
Social and behavioral sciences	563	610	656	751	808	943	973	1,025	1,060	988	1,010	1,019	1,011	850	887
Engineering	3,800	3,964	3,955	3,921	4,077	3,915	4,195	4,073	3,954	3,758	3,693	3,599	3,636	3,456	3,538
South Korea	6,143	6,208	6,690	7,172	7,946	8,449	8,657	9,082	9,369	10,542	NA	11,645	12,243	12,625	12,931
All S&E	2,918	3,016	3,294	3,412	3,785	3,923	4,101	3,963	4,043	4,549	NA	5,558	5,782	5,933	6,032
Physical and biological sciences and mathematics and statistics	692	687	692	841	932	854	928	835	889	1,011	NA	1,372	1,488	1,476	1,586
Computer sciences	169	176	156	92	88	31	62	37	65	84	NA	98	141	167	157
Agricultural sciences	276	292	317	219	246	284	299	277	279	303	NA	308	317	314	299
Social and behavioral sciences	123	220	230	260	323	330	387	398	392	458	NA	488	527	536	512
Engineering	1,658	1,641	1,899	2,000	2,196	2,424	2,425	2,416	2,418	2,693	NA	3,292	3,309	3,440	3,478
Taiwan	1,455	1,463	1,501	1,759	1,964	2,165	2,614	2,850	3,140	3,589	3,705	3,846	3,861	4,241	4,048
All S&E	970	970	966	1,167	1,291	1,385	1,643	1,905	2,005	2,295	2,509	2,472	2,478	2,678	2,487
Physical and biological sciences and mathematics and statistics	233	232	255	298	318	398	455	413	469	522	567	568	596	684	619
Computer sciences	16	19	18	31	24	38	46	45	52	62	74	76	74	79	57
Agricultural sciences	87	90	93	93	116	83	92	72	77	104	95	79	94	98	99
Social and behavioral sciences	108	108	72	89	111	108	111	157	165	172	165	148	171	180	196
Engineering	526	521	528	656	722	758	939	1,219	1,242	1,435	1,608	1,601	1,543	1,637	1,516



NA = not available.

<sup>a</sup> China data include computer sciences under engineering.

<sup>b</sup> Japan data include thesis doctorates, called *ronbun hakase*, earned by employees in industry. In higher education data for Japan, mathematics are included in natural sciences, and computer sciences are included in engineering.

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**Note(s)**

Data for doctoral degrees use International Standard Classification of Education (ISCED 2011) level 8. S&E data do not include health fields.

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**Source(s)**

National Research Center for Science and Technology for Development, and National Bureau of Statistics of China, *China Statistical Yearbook* (Beijing) (various years); Department of Science and Technology (various years); Japan Student Services Organization (various years); United Nations Educational, Scientific and Cultural Organization (UNESCO) Institute for Statistics database, special tabulations (2016); Ministry of Education, *Educational Statistics of the Republic of China (Taiwan)* (annual series).

*Science and Engineering Indicators 2018*