

TABLE 9. Temporary visa holders awarded doctorates in science and engineering, by region/country of citizenship: 2000–10

Field and region/country of citizenship	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Science and engineering	7,664	7,953	7,707	8,393	9,164	10,426	11,587	12,369	12,626	12,211	11,302
Africa	284	255	246	288	306	350	362	394	399	361	353
Egypt	66	69	83	101	107	124	108	93	86	62	62
Ghana	18	21	16	21	13	26	27	36	46	49	42
Kenya	20	22	25	23	34	37	41	52	42	48	45
Nigeria	13	13	8	11	11	17	23	36	42	41	42
Other	167	130	114	132	141	146	163	177	183	161	162
East/South Asia	4,460	4,615	4,439	4,839	5,392	6,397	7,560	8,127	8,271	7,931	7,285
China	2,034	2,146	2,121	2,263	2,718	3,281	4,056	4,211	4,071	3,674	3,366
India	726	717	601	688	788	1,033	1,415	1,839	2,061	2,030	1,901
Japan	166	128	141	170	166	183	187	201	196	187	163
Singapore	29	30	22	24	35	52	53	46	50	57	52
South Korea	695	814	807	915	1,003	1,118	1,167	1,093	1,110	1,155	1,055
Taiwan	611	492	428	407	359	401	403	433	414	510	460
Thailand	149	231	258	307	263	248	194	218	274	193	172
Vietnam	8	7	15	14	10	17	15	23	42	61	69
Other	42	50	46	51	50	64	70	63	53	64	47
Europe	1,168	1,293	1,262	1,313	1,388	1,469	1,459	1,450	1,388	1,352	1,195
Bulgaria	32	39	34	37	54	62	43	40	55	43	49
France	64	62	81	68	82	98	106	120	120	112	95
Germany	169	181	164	154	153	145	128	126	137	166	154
Greece	67	86	64	73	91	89	110	101	82	109	73
Italy	72	107	106	96	105	124	126	95	132	101	104
Romania	92	96	124	112	141	163	164	148	116	131	88
Russian Federation	165	186	168	186	169	185	187	186	143	130	108
Spain	44	60	52	60	66	55	55	62	69	67	50
Ukraine	28	32	49	42	39	52	57	63	56	71	67
United Kingdom	64	86	86	77	73	68	77	82	83	76	69
Other	371	358	334	408	415	428	406	427	395	346	338
North America	525	500	487	555	596	605	575	605	634	645	614
Canada	243	253	251	280	337	312	315	341	354	373	325
Mexico	190	186	175	198	164	193	169	166	160	169	165
Other	92	61	61	77	95	100	91	98	120	103	124
Pacifica/Australia	152	134	137	127	150	159	154	162	161	159	160
Indonesia	53	46	62	42	64	54	42	37	47	45	51
Philippines	47	34	29	44	31	40	43	64	62	62	58
Other	52	54	46	41	55	65	69	61	52	52	51
South America	396	372	359	403	429	494	469	492	555	563	512
Argentina	66	60	54	63	80	85	79	100	110	104	77
Brazil	121	130	113	99	124	140	128	111	123	121	124
Chile	36	26	36	61	36	39	52	54	63	64	44
Colombia	47	55	47	68	71	97	83	85	122	125	118
Venezuela	63	48	47	63	61	43	56	42	47	43	37
Other	63	53	62	49	57	90	71	100	90	106	112
West Asia	636	719	697	799	843	886	969	1,045	1,133	1,111	1,076
Bangladesh	33	44	32	38	41	61	80	57	67	61	57
Iran	40	71	35	45	45	112	124	127	129	137	142
Israel	31	33	25	49	53	55	54	59	51	65	65
Jordan	49	54	47	62	88	65	79	85	77	60	72
Lebanon	22	23	27	28	31	21	48	51	51	55	50
Nepal	11	15	11	11	15	26	21	22	54	66	68
Pakistan	47	38	32	30	33	36	54	50	65	43	52
Saudi Arabia	53	51	71	63	93	74	60	41	40	27	25
Turkey	248	274	320	348	319	321	321	410	466	446	412

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Field and region/country of citizenship	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Other	102	116	97	125	125	115	128	143	133	151	133
Country unknown	43	65	80	69	60	66	39	94	85	89	107
Science	5,213	5,164	5,057	5,475	5,852	6,664	7,289	7,768	8,136	7,998	7,451
Africa	195	170	162	196	217	247	259	315	302	277	253
Egypt	15	26	34	44	55	69	47	57	48	33	25
Ghana	14	13	11	17	11	17	21	D	30	36	34
Kenya	18	19	25	23	31	35	38	D	42	D	39
Nigeria	11	13	5	6	8	12	13	23	25	D	25
Other	137	99	87	106	112	114	140	154	157	134	130
East/South Asia	2,858	2,776	2,651	2,842	3,065	3,683	4,348	4,656	4,944	4,855	4,514
China	1,401	1,332	1,303	1,347	1,559	1,920	2,339	2,526	2,577	2,432	2,247
India	393	390	344	400	436	553	735	889	1,071	1,066	1,042
Japan	146	106	114	139	141	150	160	165	168	158	135
Singapore	17	24	16	11	24	31	37	38	29	28	34
South Korea	432	498	465	531	518	609	675	600	622	672	592
Taiwan	347	268	234	231	221	252	239	274	254	297	298
Thailand	90	118	130	137	128	115	108	117	151	117	100
Vietnam	6	5	12	13	8	12	12	17	36	44	37
Other	26	35	33	33	30	41	43	30	36	41	29
Europe	939	1,012	1,011	1,048	1,114	1,199	1,174	1,171	1,096	1,103	973
Bulgaria	28	34	32	32	49	55	40	D	47	D	43
France	49	43	58	46	56	68	74	74	67	73	61
Germany	134	142	123	132	118	121	110	104	121	138	141
Greece	46	48	36	49	61	62	62	65	51	71	42
Italy	58	84	84	78	87	98	97	78	83	73	71
Romania	71	75	104	94	117	140	138	126	105	118	80
Russian Federation	136	155	142	145	141	158	157	157	123	111	93
Spain	37	46	44	46	50	44	44	47	51	51	41
Ukraine	25	22	38	37	32	47	49	50	47	60	59
United Kingdom	57	79	79	72	65	59	64	D	74	D	59
Other	298	284	271	317	338	347	339	361	327	295	283
North America	419	400	397	453	491	482	479	468	515	513	492
Canada	200	210	219	255	288	270	270	279	292	298	266
Mexico	139	141	128	134	124	130	134	109	124	134	122
Other	80	49	50	64	79	82	75	80	99	81	104
Pacifica/Australia	114	100	99	92	106	109	114	130	131	115	127
Indonesia	30	24	34	20	31	26	24	20	25	21	33
Philippines	38	30	26	39	27	31	35	D	D	56	52
Other	46	46	39	33	48	52	55	D	D	38	42
South America	291	286	275	329	318	382	349	373	419	428	384
Argentina	55	48	49	54	65	75	69	83	98	89	70
Brazil	84	97	84	85	92	112	101	98	98	106	96
Chile	28	19	28	49	28	31	35	37	45	45	34
Colombia	34	43	31	55	49	68	57	54	80	83	72
Venezuela	40	34	31	47	37	29	31	24	28	26	26
Other	50	45	52	39	47	67	56	77	70	79	86
West Asia	371	380	408	475	488	520	540	591	673	652	629
Bangladesh	19	16	22	20	21	37	46	32	36	33	33
Iran	18	23	12	18	21	40	36	43	33	36	32
Israel	27	27	20	43	43	49	47	46	44	55	59
Jordan	30	26	22	35	47	36	42	45	42	28	32
Lebanon	11	16	15	14	21	15	31	36	33	26	31
Nepal	9	12	10	11	10	21	15	14	40	51	56

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Field and region/country of citizenship	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Pakistan	28	24	20	18	16	25	33	25	39	25	29
Saudi Arabia	37	23	46	41	56	45	32	25	27	16	17
Turkey	125	144	179	196	179	180	172	228	284	269	239
Other	67	69	62	79	74	72	86	97	95	113	101
Country unknown	26	40	54	40	53	42	26	64	56	55	79
Engineering	2,451	2,789	2,650	2,918	3,312	3,762	4,298	4,601	4,490	4,213	3,851
Africa	89	85	84	92	89	103	103	79	97	84	100
Egypt	51	43	49	57	52	55	61	36	38	29	37
Ghana	4	8	5	4	2	9	6	D	16	13	8
Kenya	2	3	0	0	3	2	3	D	0	D	6
Nigeria	2	0	3	5	3	5	10	13	17	D	17
Other	30	31	27	26	29	32	23	23	26	27	32
East/South Asia	1,602	1,839	1,788	1,997	2,327	2,714	3,212	3,471	3,327	3,076	2,771
China	633	814	818	916	1,159	1,361	1,717	1,685	1,494	1,242	1,119
India	333	327	257	288	352	480	680	950	990	964	859
Japan	20	22	27	31	25	33	27	36	28	29	28
Singapore	12	6	6	13	11	21	16	8	21	29	18
South Korea	263	316	342	384	485	509	492	493	488	483	463
Taiwan	264	224	194	176	138	149	164	159	160	213	162
Thailand	59	113	128	170	135	133	86	101	123	76	72
Vietnam	2	2	3	1	2	5	3	6	6	17	32
Other	16	15	13	18	20	23	27	33	17	23	18
Europe	229	281	251	265	274	270	285	279	292	249	222
Bulgaria	4	5	2	5	5	7	3	D	8	D	6
France	15	19	23	22	26	30	32	46	53	39	34
Germany	35	39	41	22	35	24	18	22	16	28	13
Greece	21	38	28	24	30	27	48	36	31	38	31
Italy	14	23	22	18	18	26	29	17	49	28	33
Romania	21	21	20	18	24	23	26	22	11	13	8
Russian Federation	29	31	26	41	28	27	30	29	20	19	15
Spain	7	14	8	14	16	11	11	15	18	16	9
Ukraine	3	10	11	5	7	5	8	13	9	11	8
United Kingdom	7	7	7	5	8	9	13	D	9	D	10
Other	73	74	63	91	77	81	67	66	68	51	55
North America	106	100	90	102	105	123	96	137	119	132	122
Canada	43	43	32	25	49	42	45	62	62	75	59
Mexico	51	45	47	64	40	63	35	57	36	35	43
Other	12	12	11	13	16	18	16	18	21	22	20
Pacifica/Australia	38	34	38	35	44	50	40	32	30	44	33
Indonesia	23	22	28	22	33	28	18	17	22	24	18
Philippines	9	4	3	5	4	9	8	D	D	6	6
Other	6	8	7	8	7	13	14	D	D	14	9
South America	105	86	84	74	111	112	120	119	136	135	128
Argentina	11	12	5	9	15	10	10	17	12	15	7
Brazil	37	33	29	14	32	28	27	13	25	15	28
Chile	8	7	8	12	8	8	17	17	18	19	10
Colombia	13	12	16	13	22	29	26	31	42	42	46
Venezuela	23	14	16	16	24	14	25	18	19	17	11
Other	13	8	10	10	10	23	15	23	20	27	26
West Asia	265	339	289	324	355	366	429	454	460	459	447
Bangladesh	14	28	10	18	20	24	34	25	31	28	24
Iran	22	48	23	27	24	72	88	84	96	101	110
Israel	4	6	5	6	10	6	7	13	7	10	6

TABLE 9. Temporary visa holders awarded doctorates in science and engineering, by region/country of citizenship: 2000–10

Field and region/country of citizenship	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Jordan	19	28	25	27	41	29	37	40	35	32	40
Lebanon	11	7	12	14	10	6	17	15	18	29	19
Nepal	2	3	1	0	5	5	6	8	14	15	12
Pakistan	19	14	12	12	17	11	21	25	26	18	23
Saudi Arabia	16	28	25	22	37	29	28	16	13	11	8
Turkey	123	130	141	152	140	141	149	182	182	177	173
Other	35	47	35	46	51	43	42	46	38	38	32
Country unknown	17	25	26	29	7	24	13	30	29	34	28

D = suppressed to avoid disclosure of confidential information.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Earned Doctorates.