

Science and Engineering Doctorate Awards: 2006

Detailed Statistical Tables | NSF 09-311 | March 2009

Mark K. Fiegener,
Project Officer
Human Resources Statistics Program
(703) 292-4622

General Notes

The data presented in this report show trends in the numbers of individuals who receive doctorates in science and engineering (S&E) fields. Detailed information is provided by field of doctorate, doctoral institution, and characteristics of the doctorate recipient. The data also show trends in the postgraduation plans of doctorate recipients. Data are from the Survey of Earned Doctorates (SED), a census of individuals receiving research doctoral degrees from accredited U.S. universities and colleges. The SED has been conducted annually since 1957.

Six federal agencies sponsor the SED: the National Science Foundation and the National Institutes of Health provide major funding, with the U.S. Department of Education, U.S. Department of Agriculture, National Aeronautics and Space Administration, and National Endowment for the Humanities providing additional support.

Data for the SED are collected directly from individual doctorate recipients. The questionnaire is distributed by the graduate deans to persons as they are completing their doctorate. The data for a given year include all doctorates awarded in the 12-month period ending on June 30 of that year.

These tables present detailed data on S&E doctorate recipients; totals are provided for broad non-S&E fields in most tables. Detailed data on all fields of study are published annually in the interagency report, *Doctorate Recipients from United States Universities: Summary Report*. Data are also provided by the other federal agencies that sponsor the SED. The groupings of field specialties into broad fields may differ among the sponsoring agencies, according to their missions.

Ninety-two percent of doctorate recipients in 2006 responded to the questionnaire. Over the period 1997–2006, the response rate has varied between 91% and 93%. Most of the numbers presented are actual self-reports, as there are no adjustments for nonresponse. Partial data on nonrespondents, for field of study, institution, and sex of recipient are added to the file from public sources, such as commencement programs. In tables that include data subject to nonresponse, small changes in numbers should be interpreted with caution. As numerical trends are affected by fluctuations in response rates, declines and increases may appear greater than they actually are.

Further information on the survey methodology and other data on S&E doctorate recipients is available at <http://www.nsf.gov/statistics/doctorates/>.

Data Tables

Table	Doctorates awarded 1997–2006
	by field of study
1	to all recipients
2	to women
	by sex, citizenship status, and major field of study
3	number
4	% distribution of S&E doctorates
	U.S. citizens or permanent residents, by race/ethnicity and major field of study
5	all
6	male
7	female
	U.S. citizens, by race/ethnicity and major field of study
8	all
9	male
10	female
	Non-U.S. citizens, S&E fields
11	by visa type and country/region of citizenship
	Doctorates awarded: 2006
12	by state, institution, and major field of study
	Definite postgraduation plans of doctorate recipients: 2006
	by citizenship status and major field of study
13	number
14	% distribution
	by sex and major field of study
15	number
16	% distribution
	Recipients with disabilities: 2006
17	by broad field of study

TABLE 1. Doctorates awarded, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	42,539	42,637	41,097	41,365	40,737	40,025	40,757	42,123	43,385	45,596
Science and engineering	27,229	27,273	25,931	25,966	25,528	24,608	25,281	26,275	27,989	29,854
Science	21,115	21,352	20,601	20,643	20,017	19,529	20,001	20,498	21,564	22,663
Biological and agricultural sciences	6,866	6,955	6,646	6,890	6,672	6,703	6,755	6,985	7,406	7,664
Agricultural sciences	1,078	1,109	1,065	1,037	975	1,009	1,060	1,045	1,038	1,033
Agricultural and horticultural plant breeding	67	69	44	68	37	59	50	36	35	41
Agricultural animal breeding	24	18	21	22	16	14	21	13	14	12
Agronomy and crop science	77	97	106	69	75	74	55	63	79	56
Animal nutrition	55	45	47	45	45	49	41	47	51	46
Animal sciences, other	62	60	70	73	71	70	88	75	71	72
Dairy science ^a	14	10	12	9	2	7	18	na	na	na
Environmental science	96	72	99	95	119	113	136	130	129	131
Fishing and fisheries sciences/management	45	30	38	43	44	53	47	38	34	53
Food science	11	13	7	10	14	7	11	94	93	97
Food science and technology, other	175	153	137	142	130	129	157	74	48	45
Forest engineering ^a	13	2	1	3	0	3	3	na	na	na
Forest sciences and biology	22	20	14	22	27	19	16	36	29	32
Forest/resources management	21	27	17	13	13	15	18	26	40	38
Forestry and related sciences, other	50	69	50	54	48	57	47	34	24	28
Horticulture science	44	60	66	55	37	46	54	46	49	54
Natural resources/conservation	17	25	25	19	32	27	47	45	64	60
Plant pathology/phytopathology	65	66	66	63	52	53	48	56	71	62
Plant sciences, other	20	37	38	29	26	27	29	34	31	43
Poultry science	9	11	8	9	11	10	18	21	14	15
Soil chemistry/microbiology	32	27	29	26	23	29	24	21	24	20
Soil sciences, other	56	74	67	64	56	55	50	52	52	48
Wildlife/range management	50	56	44	56	41	37	46	42	44	51
Wood science and pulp/paper technology	25	25	21	11	20	29	19	19	15	12
Agriculture, general	10	8	8	10	2	4	2	6	10	6
Agricultural sciences, other	18	35	30	27	34	23	15	37	17	11
Biological sciences	5,788	5,846	5,581	5,853	5,697	5,694	5,695	5,940	6,368	6,631
Anatomy	50	35	33	39	29	20	33	13	23	20
Bacteriology	13	13	13	15	17	12	6	15	13	10
Biochemistry	831	800	759	776	729	782	772	703	693	783
Biomedical sciences	158	182	176	155	155	220	181	183	249	278
Biometrics and biostatistics	84	75	76	92	90	81	84	100	129	106
Biophysics	147	166	173	164	162	151	161	130	144	183
Biotechnology	11	12	19	14	9	13	24	26	23	32
Botany/plant biology	91	113	67	92	75	84	80	135	87	93
Cell/cellular biology and histology	251	300	281	337	315	302	301	292	316	335
Developmental biology/embryology	115	127	108	112	107	93	126	141	162	148
Ecology	255	293	273	296	339	311	347	366	412	388
Endocrinology	17	30	19	20	18	14	21	22	29	18
Entomology	123	138	114	137	90	113	111	108	103	117
Genetics, human and animal	217	197	216	227	199	226	226	257	286	282
Immunology	214	246	223	239	265	278	261	347	342	391
Microbiology	410	383	383	382	396	383	363	393	432	492
Molecular biology	775	736	716	706	711	622	615	726	724	778
Neuroscience	437	413	431	495	486	491	473	584	690	737
Nutrition sciences	124	139	102	150	135	142	127	131	163	148
Parasitology	17	15	13	19	22	17	15	20	21	27
Pathology, human and animal	106	90	120	106	117	115	101	98	93	79
Pharmacology, human and animal	300	255	254	267	257	268	275	288	315	327
Physiology, human and animal	227	258	244	241	217	208	215	207	208	220
Plant genetics	30	40	31	35	31	57	38	54	50	62
Plant pathology/phytopathology	33	18	36	25	31	24	27	25	31	26
Plant physiology	47	61	54	39	45	43	32	24	38	40
Toxicology	180	155	114	123	133	122	122	105	102	100

TABLE 1. Doctorates awarded, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Zoology, other	97	111	126	133	103	122	127	94	103	102
Biology/biological sciences, general	209	217	182	200	193	184	194	188	189	189
Biology/biomedical sciences, other	219	228	225	217	221	196	237	165	198	120
Earth, atmospheric, and ocean sciences	804	765	723	694	660	689	683	686	714	757
Atmospheric sciences	149	125	124	143	116	117	139	126	145	147
Atmospheric chemistry and climatology	45	38	43	39	33	39	39	29	42	30
Atmospheric physics and dynamics	25	24	17	17	17	13	21	33	28	30
Meteorology	28	25	22	34	20	15	25	22	20	18
Atmospheric science/meteorology, general	36	22	32	36	34	27	33	24	30	40
Atmospheric science/meteorology, other	15	16	10	17	12	23	21	18	25	29
Earth sciences	489	504	452	387	393	426	374	420	420	469
Geochemistry	49	58	55	50	41	70	53	38	55	53
Geology	165	171	157	123	115	132	119	98	107	126
Geomorphology and glacial geology	26	20	18	14	10	15	20	22	12	24
Geophysics and seismology	108	106	100	70	88	91	75	87	92	81
Hydrology and water resources	43	35	32	43	45	35	26	49	41	37
Mineralogy and petrology	19	14	14	5	15	13	8	17	8	17
Paleontology	23	23	15	31	16	21	18	25	29	30
Stratigraphy and sedimentation	23	24	17	13	13	7	16	19	15	19
Geological and earth sciences, general	16	13	9	20	16	12	9	23	24	30
Geological and earth sciences, other	17	40	35	18	34	30	30	42	37	52
Ocean sciences	166	136	147	164	151	146	170	140	149	141
Marine sciences	30	18	30	36	36	42	36	59	61	61
Oceanography, chemical and physical	114	94	100	99	85	86	98	66	74	60
Ocean/marine sciences, other	22	24	17	29	30	18	36	15	14	20
Mathematics and computer sciences	2,032	2,104	1,939	1,910	1,840	1,730	1,859	2,024	2,335	2,779
Computer sciences	909	927	856	860	830	810	866	948	1,130	1,452
Computer science	828	821	741	723	692	675	699	767	953	1,215
Information science and systems	81	106	115	137	81	80	65	106	84	135
Computer and information science, other ^b	na	na	na	na	57	55	102	75	93	102
Mathematics	1,123	1,177	1,083	1,050	1,010	920	993	1,076	1,205	1,327
Algebra	78	75	84	82	68	65	69	97	97	124
Analysis and functional analysis	103	130	86	81	91	74	85	99	111	98
Applied mathematics	242	265	252	238	214	226	223	264	292	348
Computing theory and practice	14	19	14	17	11	11	8	10	16	15
Geometry/geometric analysis	70	54	65	59	41	52	48	95	96	89
Logic	23	16	23	19	24	14	17	15	26	20
Number theory	46	46	50	40	35	26	46	39	62	60
Operations research	20	17	21	19	14	19	19	25	23	32
Statistics	181	204	174	195	200	167	191	226	267	301
Topology/foundations	62	65	65	50	54	40	49	52	51	72
Mathematics/statistics, general	153	162	116	151	155	133	150	81	104	107
Mathematics/statistics, other	131	124	133	99	103	93	88	73	60	61
Physical sciences	3,746	3,800	3,562	3,378	3,364	3,186	3,289	3,338	3,645	3,925
Astronomy	198	206	159	185	186	141	167	165	186	197
Astronomy	71	91	59	78	89	52	69	68	72	64
Astrophysics	127	115	100	107	97	89	98	97	114	133
Chemistry	2,147	2,216	2,132	1,989	1,981	1,922	2,041	1,987	2,126	2,363
Analytical chemistry	350	383	333	326	334	302	338	323	363	367
Inorganic chemistry	279	287	279	221	279	248	264	240	255	267
Medicinal/pharmaceutical chemistry	105	114	131	107	115	99	110	113	110	150
Nuclear chemistry ^a	8	6	10	9	4	9	4	na	na	na
Organic chemistry	567	598	563	525	523	523	556	542	601	624
Physical chemistry	334	279	310	271	285	303	321	264	298	376
Polymer chemistry	110	122	95	107	107	102	110	116	119	134
Theoretical chemistry	48	41	56	52	40	48	49	54	57	85

TABLE 1. Doctorates awarded, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Chemistry, general	260	285	196	261	202	203	186	198	194	213
Chemistry, other	86	101	159	110	92	85	103	137	129	147
Physics	1,401	1,378	1,271	1,204	1,197	1,123	1,081	1,186	1,333	1,365
Acoustics	19	18	16	10	10	18	24	17	25	15
Applied physics ^c	na	na	na	na	na	na	na	71	102	98
Atomic/molecular/chemical physics	106	100	100	110	81	82	74	82	87	90
Biophysics ^c	na	na	na	na	na	na	na	55	72	96
Condensed matter/low temperature physics	328	314	307	279	295	298	273	277	314	335
Fluids physics ^a	24	26	23	10	8	15	9	na	na	na
Nuclear physics	106	92	77	74	80	76	67	74	69	85
Optics/photonics	123	105	98	117	107	107	95	120	145	144
Particle (elementary) physics	170	173	169	147	121	154	134	163	188	200
Plasma/fusion physics	39	55	49	38	39	29	32	37	54	43
Polymer physics	19	24	28	21	18	22	13	18	29	24
Physics, general	255	190	202	224	206	171	170	141	128	144
Physics, other	212	281	202	174	232	151	190	131	120	91
Psychology	3,557	3,673	3,668	3,616	3,399	3,207	3,276	3,327	3,323	3,263
Clinical psychology	1,255	1,344	1,441	1,353	1,233	1,220	1,189	1,216	1,156	1,118
Cognitive psychology and psycholinguistics	166	113	143	141	141	121	132	145	147	181
Comparative psychology	6	6	11	7	5	2	4	6	5	5
Counseling	487	448	460	475	476	472	435	512	467	411
Developmental and child psychology	215	266	193	203	194	174	178	186	223	202
Educational psychology	61	61	64	97	48	54	52	75	81	60
Experimental psychology	146	149	139	133	134	112	119	88	121	126
Family psychology	63	51	56	54	45	67	63	32	25	22
Human development and family studies	126	119	135	147	137	139	149	144	172	182
Industrial and organizational psychology	187	189	158	188	174	154	159	157	184	173
Personality psychology	26	25	16	23	11	17	17	18	14	30
Physiological psychology/psychobiology	77	92	87	89	92	88	86	84	85	94
Psychometrics and quantitative psychology	17	15	14	8	10	13	11	29	22	20
Psychometrics ^a	11	9	15	13	2	9	7	na	na	na
School psychology	84	106	121	99	101	88	102	87	109	123
Social psychology	181	186	176	207	198	180	203	163	183	172
Psychology, general	319	300	235	237	224	145	223	221	186	211
Psychology, other	130	194	204	142	174	152	147	164	143	133
Social sciences	4,110	4,055	4,063	4,155	4,082	4,014	4,139	4,138	4,141	4,275
Economics	1,163	1,157	1,075	1,086	1,081	1,027	1,050	1,069	1,183	1,142
Agricultural economics	133	156	149	138	154	119	118	110	122	113
Econometrics	31	25	15	15	13	14	23	18	30	33
Economics	999	976	911	933	914	894	909	941	1,031	996
Political science	975	958	1,016	986	984	939	1,025	946	990	998
International relations/affairs	88	96	119	77	91	83	98	99	106	115
Political science and government	665	662	655	669	658	606	661	586	619	614
Public administration	95	104	117	103	96	103	120	116	104	98
Public policy analysis	127	96	125	137	139	147	146	145	161	171
Sociology	601	579	572	637	579	567	612	599	556	602
Demography/population studies	24	30	28	20	12	20	15	19	20	24
Sociology	577	549	544	617	567	547	597	580	536	578
Other social sciences	1,371	1,361	1,400	1,446	1,438	1,481	1,452	1,524	1,412	1,533
American/U.S. studies	84	100	98	113	127	97	94	115	104	107
Anthropology	434	425	462	446	411	496	472	531	455	472
Archaeology	35	34	26	36	40	26	33	34	44	39
Area studies	10	14	11	14	19	25	12	18	6	23
Criminology	49	55	51	66	62	56	77	69	97	100
Geography	149	154	144	197	186	197	167	190	196	206
History/philosophy of science and technology	35	44	50	42	40	48	46	48	43	56

TABLE 1. Doctorates awarded, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Linguistics	244	220	251	230	230	193	224	254	212	252
Statistics	56	61	72	60	49	54	48	31	22	22
Urban affairs/studies	92	77	57	79	80	92	78	85	81	85
Social sciences, general	26	30	25	37	26	33	28	32	33	45
Social sciences, other	157	147	153	126	168	164	173	117	119	126
Engineering	6,114	5,921	5,330	5,323	5,511	5,079	5,280	5,777	6,425	7,191
Aerospace, aeronautical and astronautical engineering	273	241	206	214	203	209	200	201	219	238
Chemical engineering	767	776	674	726	730	705	649	726	875	893
Chemical engineering	662	669	576	619	636	607	568	638	774	800
Petroleum engineering	51	48	45	45	37	45	36	34	50	48
Polymer and plastics engineering	54	59	53	62	57	53	45	54	51	45
Civil engineering	655	650	584	556	595	627	673	673	758	803
Civil engineering	592	587	506	480	501	539	551	547	622	654
Environmental health engineering	63	63	78	76	94	88	122	126	136	149
Electrical engineering	1,720	1,595	1,478	1,543	1,579	1,394	1,465	1,651	1,851	2,133
Communications engineering	33	40	39	42	47	22	36	34	27	26
Computer engineering	227	210	203	172	186	161	191	228	277	323
Electrical, electronics and communications engineering	1,460	1,345	1,236	1,329	1,346	1,211	1,238	1,389	1,547	1,784
Industrial and manufacturing engineering	246	229	211	176	206	230	214	217	221	235
Materials/metallurgical engineering	582	565	469	451	497	396	474	511	540	624
Ceramic sciences	39	24	33	22	17	13	18	14	14	8
Materials science	483	482	393	404	448	364	437	475	493	582
Metallurgical engineering	60	59	43	25	32	19	19	22	33	34
Mechanical engineering	1,022	1,022	855	864	953	827	814	852	978	1,148
Engineering mechanics	93	86	69	57	75	56	62	98	86	102
Mechanical engineering	929	936	786	807	878	771	752	754	892	1,046
Other engineering	849	843	853	793	748	691	791	946	983	1,117
Agricultural engineering	79	74	59	60	52	50	54	60	47	53
Bioengineering and biomedical engineering	211	208	245	252	232	246	281	369	416	525
Engineering physics	24	15	28	26	22	16	28	28	27	35
Engineering science	45	49	49	34	53	31	39	58	43	44
Mining and mineral engineering	33	21	18	11	10	8	14	9	12	16
Nuclear engineering	102	94	76	98	76	64	75	59	71	68
Ocean engineering	34	29	16	18	28	23	12	21	18	15
Operations research	74	62	67	51	55	66	81	72	87	89
Systems engineering	49	68	42	34	47	45	45	58	58	79
Engineering, general	51	29	40	43	25	20	19	29	53	60
Engineering, other	147	194	213	166	148	122	143	183	151	133
Non-science and engineering	15,310	15,364	15,166	15,399	15,209	15,417	15,476	15,848	15,396	15,742
Education	6,577	6,569	6,551	6,436	6,349	6,503	6,643	6,635	6,226	6,123
Health	1,421	1,499	1,407	1,591	1,541	1,654	1,633	1,720	1,785	1,906
Humanities	5,035	5,117	5,035	5,213	5,178	5,051	5,020	5,013	4,949	5,122
Professional/other/unknown	2,277	2,179	2,173	2,159	2,141	2,209	2,180	2,480	2,436	2,591

na = not available; field was not identified separately in questionnaire for that year.

^a Field dropped in 2004.

^b Field introduced in 2001.

^c Field introduced in 2004.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, public administration is included in social sciences and not in professional fields, and hydrology and water resources is included in earth sciences and not in ocean sciences, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 2. Doctorates awarded to women, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent	
											1997	2006
All fields	17,243	17,848	17,484	18,129	17,885	18,135	18,500	19,158	19,579	20,539	40.5	45.0
Science and engineering	8,934	9,348	9,081	9,393	9,298	9,172	9,519	9,856	10,539	11,469	32.8	38.4
Science	8,184	8,575	8,293	8,555	8,368	8,280	8,607	8,835	9,358	10,017	38.8	44.2
Biological and agricultural sciences	2,782	2,864	2,705	2,939	2,890	2,865	2,978	3,155	3,483	3,673	40.5	47.9
Agricultural sciences	287	328	311	317	339	319	374	399	376	411	26.6	39.8
Agricultural and horticultural plant breeding	9	14	13	23	10	12	13	12	7	9	13.4	22.0
Agricultural animal breeding	4	6	7	4	4	2	6	7	3	4	16.7	33.3
Agronomy and crop science	10	18	16	14	21	19	14	12	14	17	13.0	30.4
Animal nutrition	13	13	12	8	6	17	9	7	12	15	23.6	32.6
Animal sciences, other	14	16	23	26	19	22	33	26	30	25	22.6	34.7
Dairy science ^a	5	2	5	0	0	2	8	na	na	na	35.7	na
Environmental science	27	30	31	43	47	41	57	63	52	59	28.1	45.0
Fishing and fisheries sciences/management	5	8	7	11	9	13	12	12	9	13	11.1	24.5
Food science	3	3	2	2	8	4	5	41	43	54	27.3	55.7
Food science and technology, other	79	66	67	66	64	56	80	43	24	27	45.1	60.0
Forest engineering ^a	2	0	0	0	0	0	0	na	na	na	15.4	na
Forest sciences and biology	1	6	4	8	7	7	3	6	8	10	4.5	31.3
Forest/resources management	4	9	3	2	4	2	6	7	9	17	19.0	44.7
Forestry and related sciences, other	15	16	16	17	16	16	15	11	10	9	30.0	32.1
Horticulture science	16	13	16	16	13	13	18	12	17	22	36.4	40.7
Natural resources/conservation	7	11	9	5	18	12	13	26	25	26	41.2	43.3
Plant pathology/phytopathology	26	24	27	12	16	22	18	25	33	33	40.0	53.2
Plant sciences, other	7	14	12	10	10	11	10	16	16	19	35.0	44.2
Poultry science	2	3	2	3	5	5	7	8	8	4	22.2	26.7
Soil chemistry/microbiology	9	7	8	8	15	8	10	13	13	8	28.1	40.0
Soil sciences, other	8	21	11	15	15	16	13	14	16	19	14.3	39.6
Wildlife/range management	13	15	8	11	15	9	12	15	13	13	26.0	25.5
Wood science and pulp/paper technology	2	4	6	1	4	2	5	8	2	3	8.0	25.0
Agriculture, general	2	1	0	2	0	2	0	1	5	1	20.0	16.7
Agricultural sciences, other	4	8	6	10	13	6	7	14	7	4	22.2	36.4
Biological sciences	2,495	2,536	2,394	2,622	2,551	2,546	2,604	2,756	3,107	3,262	43.1	49.2
Anatomy	19	8	16	17	12	8	11	4	8	7	38.0	35.0
Bacteriology	1	4	6	6	10	7	2	5	7	6	7.7	60.0
Biochemistry	364	351	308	325	310	295	320	296	276	347	43.8	44.3
Biomedical sciences	63	80	72	68	81	110	88	96	138	145	39.9	52.2
Biometrics and biostatistics	43	39	36	41	47	47	49	50	63	57	51.2	53.8
Biophysics	41	47	49	49	47	34	53	47	59	62	27.9	33.9
Biotechnology	3	4	2	6	3	5	7	11	9	12	27.3	37.5
Botany/plant biology	31	55	25	53	33	39	37	65	42	48	34.1	51.6
Cell/cellular biology and histology	113	155	134	155	148	160	146	127	152	170	45.0	50.7
Developmental biology/embryology	61	61	54	61	53	34	71	71	86	77	53.0	52.0
Ecology	108	114	121	116	128	134	142	160	193	181	42.4	46.6
Endocrinology	9	14	9	8	7	6	12	11	19	13	52.9	72.2
Entomology	42	38	37	37	31	33	31	31	40	33	34.1	28.2
Genetics, human and animal	103	91	105	114	106	109	124	118	142	148	47.5	52.5
Immunology	93	115	100	116	122	146	121	167	170	211	43.5	54.0
Microbiology	185	169	164	189	181	177	159	198	225	258	45.1	52.4
Molecular biology	331	322	299	320	323	271	289	362	361	395	42.7	50.8
Neuroscience	190	169	181	195	201	203	202	260	322	346	43.5	46.9
Nutrition sciences	92	96	68	126	99	107	102	102	126	120	74.2	81.1
Parasitology	10	6	6	8	10	6	6	10	10	16	58.8	59.3
Pathology, human and animal	42	35	54	45	56	63	47	46	42	39	39.6	49.4
Pharmacology, human and animal	143	120	113	123	115	113	126	147	173	167	47.7	51.1
Physiology, human and animal	82	100	109	99	91	84	87	86	99	102	36.1	46.4
Plant genetics	11	18	9	17	15	28	17	21	23	34	36.7	54.8

TABLE 2. Doctorates awarded to women, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent	
											1997	2006
Plant pathology/phytopathology	8	8	12	8	11	15	12	14	13	16	24.2	61.5
Plant physiology	18	28	23	15	20	19	13	8	19	21	38.3	52.5
Toxicology	80	60	53	58	62	65	63	47	54	49	44.4	49.0
Zoology, other	34	43	47	55	40	46	56	35	50	35	35.1	34.3
Biology/biological sciences, general	86	82	75	82	86	96	84	85	95	86	41.1	45.5
Biology/biomedical sciences, other	89	104	107	110	103	86	127	76	91	61	40.6	50.8
Earth, atmospheric, and ocean sciences	191	198	185	196	198	211	213	238	244	267	23.8	35.3
Atmospheric sciences	25	30	22	33	28	31	39	46	52	46	16.8	31.3
Atmospheric chemistry and climatology	10	7	11	12	9	15	15	15	19	12	22.2	40.0
Atmospheric physics and dynamics	5	8	5	3	4	3	6	16	8	8	20.0	26.7
Meteorology	3	5	1	6	2	2	4	5	5	4	10.7	22.2
Atmospheric science/meteorology, general	5	8	2	7	10	6	5	7	12	12	13.9	30.0
Atmospheric science/meteorology, other	2	2	3	5	3	5	9	3	8	10	13.3	34.5
Earth sciences	119	127	112	108	115	121	104	132	127	165	24.3	35.2
Geochemistry	15	22	21	13	11	22	17	18	22	27	30.6	50.9
Geology	39	40	41	28	38	30	38	25	33	40	23.6	31.7
Geomorphology and glacial geology	4	8	9	4	3	6	3	8	3	5	15.4	20.8
Geophysics and seismology	19	21	15	16	22	24	17	26	26	24	17.6	29.6
Hydrology and water resources	8	8	5	16	14	10	4	12	7	12	18.6	32.4
Mineralogy and petrology	6	5	3	1	4	4	4	4	2	6	31.6	35.3
Paleontology	11	7	4	14	4	6	3	12	7	14	47.8	46.7
Stratigraphy and sedimentation	7	4	3	4	3	2	6	5	6	5	30.4	26.3
Geological and earth sciences, general	4	5	1	5	6	3	2	6	6	10	25.0	33.3
Geological and earth sciences, other	6	7	10	7	10	14	10	16	15	22	35.3	42.3
Ocean sciences	47	41	51	55	55	59	70	60	65	56	28.3	39.7
Marine sciences	8	3	9	18	15	17	21	29	25	25	26.7	41.0
Oceanography, chemical and physical	31	29	36	29	31	33	38	20	32	25	27.2	41.7
Ocean/marine sciences, other	8	9	6	8	9	9	11	11	8	6	36.4	30.0
Mathematics/computer sciences	413	456	434	400	431	433	440	504	547	703	20.3	25.3
Computer sciences	150	159	157	141	155	167	176	199	221	310	16.5	21.3
Computer science	132	120	120	103	111	125	120	137	156	217	15.9	17.9
Information science and systems	18	39	37	38	27	26	24	42	36	50	22.2	37.0
Computer and information science, other ^b	na	na	na	na	17	16	32	20	29	43	na	42.2
Mathematics	263	297	277	259	276	266	264	305	326	393	23.4	29.6
Algebra	20	18	25	21	20	15	23	28	25	24	25.6	19.4
Analysis and functional analysis	13	25	19	15	20	20	15	28	25	26	12.6	26.5
Applied mathematics	55	61	59	59	56	63	56	61	84	94	22.7	27.0
Computing theory and practice	1	3	3	2	2	2	0	3	3	1	7.1	6.7
Geometry/geometric analysis	13	15	16	8	7	12	10	29	13	16	18.6	18.0
Logic	5	5	5	2	6	5	5	2	4	3	21.7	15.0
Number theory	11	7	12	5	8	5	7	5	9	13	23.9	21.7
Operations research	5	6	9	3	2	9	4	6	4	15	25.0	46.9
Statistics	46	62	46	71	63	62	69	78	108	133	25.4	44.2
Topology/foundations	14	13	15	10	15	10	13	19	15	18	22.6	25.0
Mathematics/statistics, general	44	39	22	34	36	33	32	21	20	36	28.8	33.6
Mathematics/statistics, other	36	43	46	29	41	30	30	25	16	14	27.5	23.0
Physical sciences	843	917	825	827	828	848	891	865	971	1,092	22.5	27.8
Astronomy	37	45	33	40	41	27	40	46	49	56	18.7	28.4
Astronomy	18	22	18	24	21	12	18	24	26	24	25.4	37.5
Astrophysics	19	23	15	16	20	15	22	22	23	32	15.0	24.1
Chemistry	613	695	632	624	627	645	655	636	722	810	28.6	34.3
Analytical chemistry	106	146	108	121	123	114	137	119	178	167	30.3	45.5

TABLE 2. Doctorates awarded to women, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent	
											1997	2006
Inorganic chemistry	81	84	90	64	90	86	96	80	83	108	29.0	40.4
Medicinal/pharmaceutical chemistry	43	46	50	51	45	39	42	48	49	54	41.0	36.0
Nuclear chemistry ^a	0	1	1	3	0	3	2	na	na	na	na	na
Organic chemistry	145	160	163	140	132	142	145	143	153	174	25.6	27.9
Physical chemistry	91	77	75	76	92	103	84	81	87	113	27.2	30.1
Polymer chemistry	25	40	31	31	33	35	25	40	30	32	22.7	23.9
Theoretical chemistry	11	10	9	12	6	17	12	16	12	25	22.9	29.4
Chemistry, general	76	88	52	81	72	61	72	58	69	70	29.2	32.9
Chemistry, other	35	43	53	45	34	45	40	51	61	67	40.7	45.6
Physics	193	177	160	163	160	176	196	183	200	226	13.8	16.6
Acoustics	4	6	1	1	1	1	5	1	8	2	21.1	13.3
Applied physics ^c	na	na	na	na	na	na	na	7	17	19	na	19.4
Atomic/molecular/chemical physics	11	13	14	21	7	11	14	11	18	15	10.4	16.7
Biophysics ^c	na	na	na	na	na	na	na	8	18	22	na	22.9
Condensed matter/low temperature physics	51	37	42	42	32	48	48	41	41	48	15.5	14.3
Fluids physics ^a	0	0	2	0	1	2	0	na	na	na	na	na
Nuclear physics	11	11	9	9	13	18	10	12	4	14	10.4	16.5
Optics/photonics	16	18	12	16	14	19	23	21	24	19	13.0	13.2
Particle (elementary) physics	21	11	17	15	9	27	15	20	21	28	12.4	14.0
Plasma/fusion physics	2	2	2	0	3	3	2	4	10	6	10.6	14.0
Polymer physics	7	4	7	6	5	6	1	1	3	5	36.8	20.8
Physics, general	36	29	22	31	23	21	28	28	16	25	14.1	17.4
Physics, other	34	46	32	22	52	20	50	29	20	23	16.0	25.3
Psychology	2,363	2,456	2,449	2,410	2,268	2,137	2,232	2,246	2,262	2,327	66.4	71.3
Clinical psychology	894	967	1,033	992	868	853	848	867	841	849	71.2	75.9
Cognitive psychology and psycholinguistics	75	50	70	66	76	67	70	76	70	102	45.2	56.4
Comparative psychology	3	4	7	2	1	1	2	4	3	3	50.0	60.0
Counseling	314	295	295	312	329	322	312	351	317	275	64.5	66.9
Developmental and child psychology	170	207	149	163	160	143	144	159	188	164	79.1	81.2
Educational psychology	45	39	44	63	31	38	42	54	57	40	73.8	66.7
Experimental psychology	70	65	65	59	72	63	65	45	69	76	47.9	60.3
Family psychology	43	28	38	29	22	35	42	19	13	17	68.3	77.3
Human development and family studies	101	91	112	103	97	95	111	93	128	147	80.2	80.8
Industrial and organizational psychology	103	110	99	113	106	85	87	84	111	105	55.1	60.7
Personality psychology	13	15	11	14	6	12	11	10	9	21	50.0	70.0
Physiological psychology/psychobiology	42	49	49	56	46	51	42	49	43	65	54.5	69.1
Psychometrics and quantitative psychology	10	8	7	2	5	6	3	14	4	11	58.8	55.0
Psychometrics ^a	7	5	2	5	2	2	4	na	na	na	63.6	na
School psychology	66	81	89	78	82	67	72	73	82	100	78.6	81.3
Social psychology	116	117	115	135	107	105	129	109	115	116	64.1	67.4
Psychology, general	199	201	132	133	152	85	142	128	119	138	62.4	65.4
Psychology, other	92	124	132	85	106	107	106	111	93	98	70.8	73.7
Social sciences	1,592	1,684	1,695	1,783	1,753	1,786	1,853	1,827	1,851	1,955	38.7	45.7
Economics	266	312	291	293	306	281	303	315	355	345	22.9	30.2
Agricultural economics	34	40	39	38	46	31	41	30	37	36	25.6	31.9
Econometrics	4	4	5	3	2	2	6	3	9	7	12.9	21.2
Economics	228	268	247	252	258	248	256	282	309	302	22.8	30.3
Political science	298	364	356	364	330	395	398	346	409	410	30.6	41.1
International relations/affairs	19	32	38	26	31	34	28	39	40	61	21.6	53.0
Political science and government	197	243	216	235	214	252	251	196	245	220	29.6	35.8
Public administration	30	48	46	42	41	36	48	46	46	46	31.6	46.9
Public policy analysis	52	41	56	61	44	73	71	65	78	83	40.9	48.5

TABLE 2. Doctorates awarded to women, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent	
											1997	2006
Sociology	334	317	342	376	339	345	361	353	345	373	55.6	62.0
Demography/population studies	16	13	17	10	8	12	9	13	10	12	66.7	50.0
Sociology	318	304	325	366	331	333	352	340	335	361	55.1	62.5
Other social sciences	694	691	706	750	778	765	791	813	742	827	50.6	53.9
American/U.S. studies	47	52	56	63	87	56	66	67	56	65	56.0	60.7
Anthropology	241	239	262	252	245	290	288	293	256	269	55.5	57.0
Archaeology	20	23	12	24	19	15	20	18	29	19	57.1	48.7
Area studies	5	11	3	4	10	14	7	11	2	9	50.0	39.1
Criminology	25	22	20	34	29	30	31	40	46	55	51.0	55.0
Geography	54	49	49	70	66	64	65	85	68	85	36.2	41.3
History/philosophy of science and technology	13	20	18	17	8	12	23	12	16	25	37.1	44.6
Linguistics	135	123	148	135	136	115	133	150	138	152	55.3	60.3
Statistics	23	21	21	22	22	22	19	15	12	13	41.1	59.1
Urban affairs/studies	29	26	17	28	33	35	33	33	30	36	31.5	42.4
Social sciences, general	14	17	14	20	20	17	11	20	21	26	53.8	57.8
Social sciences, other	88	88	86	81	103	95	95	69	68	73	56.1	57.9
Engineering	750	773	788	838	930	892	912	1,021	1,181	1,452	12.3	20.2
Aerospace, aeronautical and astronautical engineering	16	15	17	21	28	24	27	24	29	25	5.9	10.5
Chemical engineering	122	140	123	152	180	176	155	173	210	231	15.9	25.9
Chemical engineering	106	119	101	131	156	150	141	150	183	216	16.0	27.0
Petroleum engineering	3	6	5	6	7	10	5	5	14	4	5.9	8.3
Polymer and plastics engineering	13	15	17	15	17	16	9	18	13	11	24.1	24.2
Civil engineering	80	100	89	88	111	121	126	134	176	176	12.2	21.9
Civil engineering	70	83	76	78	82	97	87	86	118	116	11.8	17.7
Environmental health engineering	10	17	13	10	29	24	39	48	58	60	15.9	40.3
Electrical engineering	150	156	155	195	204	163	181	227	249	317	8.7	14.9
Communications engineering	3	6	6	7	12	4	7	3	3	6	9.1	23.1
Computer engineering	21	22	32	31	33	16	27	30	41	61	9.3	18.9
Electrical, electronics and communications engineering	126	128	117	157	159	143	147	194	205	250	8.6	14.0
Industrial and manufacturing engineering	40	40	42	35	45	67	55	43	41	67	16.3	28.5
Materials/metallurgical engineering	106	84	88	83	105	80	101	91	120	158	18.2	25.3
Ceramic sciences	8	2	9	8	3	1	1	1	5	1	20.5	12.5
Materials science	96	75	75	73	99	78	99	85	112	151	19.9	25.9
Metallurgical engineering	2	7	4	2	3	1	1	5	3	6	3.3	17.6
Mechanical engineering	88	93	96	96	91	96	88	95	120	159	8.6	13.9
Engineering mechanics	6	13	11	7	5	8	10	11	6	16	6.5	15.7
Mechanical engineering	82	80	85	89	86	88	78	84	114	143	8.8	13.7
Other engineering	148	145	178	168	166	165	179	234	236	319	17.4	28.6
Agricultural engineering	12	5	12	7	8	10	7	14	9	19	15.2	35.8
Bioengineering and biomedical engineering	54	51	63	71	69	69	78	111	110	179	25.6	34.1
Engineering physics	4	3	4	1	2	3	9	8	7	11	16.7	31.4
Engineering science	7	8	4	6	9	8	3	12	11	11	15.6	25.0
Mining and mineral engineering	3	4	2	0	2	0	1	2	0	1	9.1	6.3
Nuclear engineering	8	9	8	9	6	13	12	11	8	12	7.8	17.6
Ocean engineering	5	0	1	3	3	3	1	3	7	2	14.7	13.3
Operations research	15	15	16	11	17	13	21	11	20	17	20.3	19.1
Systems engineering	10	9	7	6	8	9	8	11	9	15	20.4	19.0
Engineering, general	3	3	4	10	4	7	4	6	12	12	5.9	20.0
Engineering, other	27	38	57	44	38	30	35	45	43	40	18.4	30.1
Non-science and engineering	8,309	8,500	8,403	8,736	8,587	8,963	8,981	9,302	9,040	9,070	54.3	57.6
Education	4,123	4,131	4,198	4,177	4,097	4,294	4,390	4,371	4,152	3,987	62.7	65.1

TABLE 2. Doctorates awarded to women, by field of study: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent	
											1997	2006
Health	936	1,005	899	1,066	989	1,126	1,089	1,179	1,216	1,284	65.9	67.4
Humanities	2,381	2,469	2,419	2,593	2,587	2,530	2,518	2,597	2,485	2,560	47.3	50.0
Professional/other/unknown	869	895	887	900	914	1,013	984	1,155	1,187	1,239	38.2	47.8

na = not available; field was not identified separately in questionnaire for that year.

^a Field dropped in 2004.

^b Field introduced in 2001.

^c Field introduced in 2004.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, public administration is included in social sciences and not in professional fields, and hydrology and water resources is included in earth sciences and not in ocean sciences, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	42,539	42,637	41,097	41,365	40,737	40,025	40,757	42,123	43,385	45,596
Science and engineering	27,229	27,273	25,931	25,966	25,528	24,608	25,281	26,275	27,989	29,854
Science	21,115	21,352	20,601	20,643	20,017	19,529	20,001	20,498	21,564	22,663
Agricultural sciences	1,078	1,109	1,065	1,037	975	1,009	1,060	1,045	1,038	1,033
Biological sciences	5,788	5,846	5,581	5,853	5,697	5,694	5,695	5,940	6,368	6,631
Computer sciences	909	927	856	860	830	810	866	948	1,130	1,452
Earth, atmospheric, and ocean sciences	804	765	723	694	660	689	683	686	714	757
Mathematics	1,123	1,177	1,083	1,050	1,010	920	993	1,076	1,205	1,327
Physical sciences	3,746	3,800	3,562	3,378	3,364	3,186	3,289	3,338	3,645	3,925
Astronomy	198	206	159	185	186	141	167	165	186	197
Chemistry	2,147	2,216	2,132	1,989	1,981	1,922	2,041	1,987	2,126	2,363
Physics	1,401	1,378	1,271	1,204	1,197	1,123	1,081	1,186	1,333	1,365
Psychology	3,557	3,673	3,668	3,616	3,399	3,207	3,276	3,327	3,323	3,263
Social sciences	4,110	4,055	4,063	4,155	4,082	4,014	4,139	4,138	4,141	4,275
Engineering	6,114	5,921	5,330	5,323	5,511	5,079	5,280	5,777	6,425	7,191
Aeronautical/astronautical engineering	273	241	206	214	203	209	200	201	219	238
Chemical engineering	767	776	674	726	730	705	649	726	875	893
Civil engineering	655	650	584	556	595	627	673	673	758	803
Electrical engineering	1,720	1,595	1,478	1,543	1,579	1,394	1,465	1,651	1,851	2,133
Industrial engineering	246	229	211	176	206	230	214	217	221	235
Materials/metallurgical engineering	582	565	469	451	497	396	474	511	540	624
Mechanical engineering	1,022	1,022	855	864	953	827	814	852	978	1,148
Other engineering	849	843	853	793	748	691	791	946	983	1,117
Non-science and engineering	15,310	15,364	15,166	15,399	15,209	15,417	15,476	15,848	15,396	15,742
Education	6,577	6,569	6,551	6,436	6,349	6,503	6,643	6,635	6,226	6,123
Health	1,421	1,499	1,407	1,591	1,541	1,654	1,633	1,720	1,785	1,906
Humanities	5,035	5,117	5,035	5,213	5,178	5,051	5,020	5,013	4,949	5,122
Professional/other/unknown	2,277	2,179	2,173	2,159	2,141	2,209	2,180	2,480	2,436	2,591
Male, all fields	24,939	24,628	23,436	23,163	22,775	21,805	22,257	22,963	23,738	24,986
Science and engineering	18,080	17,809	16,734	16,519	16,186	15,387	15,762	16,418	17,407	18,341
Science	12,765	12,699	12,230	12,060	11,615	11,214	11,394	11,662	12,182	12,617
Agricultural sciences	783	780	749	718	629	683	686	646	659	622
Biological sciences	3,261	3,295	3,170	3,225	3,137	3,146	3,091	3,184	3,253	3,359
Computer sciences	743	765	692	717	673	640	690	749	906	1,141
Earth, atmospheric, and ocean sciences	608	563	535	495	461	478	470	448	470	488
Mathematics	851	873	803	790	734	651	729	771	877	934
Physical sciences	2,879	2,865	2,722	2,546	2,531	2,334	2,398	2,472	2,671	2,824
Astronomy	161	161	126	145	145	114	127	119	137	140
Chemistry	1,522	1,509	1,493	1,361	1,350	1,276	1,386	1,350	1,403	1,548
Physics	1,196	1,195	1,103	1,040	1,036	944	885	1,003	1,131	1,136
Psychology	1,162	1,205	1,209	1,203	1,127	1,065	1,044	1,081	1,060	932
Social sciences	2,478	2,353	2,350	2,366	2,323	2,217	2,286	2,311	2,286	2,317
Engineering	5,315	5,110	4,504	4,459	4,571	4,173	4,368	4,756	5,225	5,724
Aeronautical/astronautical engineering	254	225	188	191	174	185	173	177	190	211
Chemical engineering	641	630	550	571	547	527	494	553	662	660
Civil engineering	571	544	495	466	483	505	547	539	581	626
Electrical engineering	1,560	1,428	1,310	1,338	1,374	1,224	1,284	1,424	1,597	1,811
Industrial engineering	205	188	169	140	160	162	159	174	177	168
Materials/metallurgical engineering	470	477	376	367	392	315	373	420	419	465
Mechanical engineering	928	923	751	767	860	729	726	757	858	987
Other engineering	686	695	665	619	581	526	612	712	741	796
Non-science and engineering	6,859	6,819	6,702	6,644	6,589	6,418	6,495	6,545	6,331	6,645
Education	2,394	2,421	2,337	2,256	2,247	2,196	2,253	2,263	2,064	2,128
Health	469	489	499	522	542	526	544	541	566	617
Humanities	2,619	2,639	2,590	2,616	2,583	2,511	2,502	2,416	2,458	2,557

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	1,377	1,270	1,276	1,250	1,217	1,185	1,196	1,325	1,243	1,343
Female, all fields	17,243	17,848	17,484	18,129	17,885	18,135	18,500	19,158	19,579	20,539
Science and engineering	8,934	9,348	9,081	9,393	9,298	9,172	9,519	9,856	10,539	11,469
Science	8,184	8,575	8,293	8,555	8,368	8,280	8,607	8,835	9,358	10,017
Agricultural sciences	287	328	311	317	339	319	374	399	376	411
Biological sciences	2,495	2,536	2,394	2,622	2,551	2,546	2,604	2,756	3,107	3,262
Computer sciences	150	159	157	141	155	167	176	199	221	310
Earth, atmospheric, and ocean sciences	191	198	185	196	198	211	213	238	244	267
Mathematics	263	297	277	259	276	266	264	305	326	393
Physical sciences	843	917	825	827	828	848	891	865	971	1,092
Astronomy	37	45	33	40	41	27	40	46	49	56
Chemistry	613	695	632	624	627	645	655	636	722	810
Physics	193	177	160	163	160	176	196	183	200	226
Psychology	2,363	2,456	2,449	2,410	2,268	2,137	2,232	2,246	2,262	2,327
Social sciences	1,592	1,684	1,695	1,783	1,753	1,786	1,853	1,827	1,851	1,955
Engineering	750	773	788	838	930	892	912	1,021	1,181	1,452
Aeronautical/astronautical engineering	16	15	17	21	28	24	27	24	29	25
Chemical engineering	122	140	123	152	180	176	155	173	210	231
Civil engineering	80	100	89	88	111	121	126	134	176	176
Electrical engineering	150	156	155	195	204	163	181	227	249	317
Industrial engineering	40	40	42	35	45	67	55	43	41	67
Materials/metallurgical engineering	106	84	88	83	105	80	101	91	120	158
Mechanical engineering	88	93	96	96	91	96	88	95	120	159
Other engineering	148	145	178	168	166	165	179	234	236	319
Non-science and engineering	8,309	8,500	8,403	8,736	8,587	8,963	8,981	9,302	9,040	9,070
Education	4,123	4,131	4,198	4,177	4,097	4,294	4,390	4,371	4,152	3,987
Health	936	1,005	899	1,066	989	1,126	1,089	1,179	1,216	1,284
Humanities	2,381	2,469	2,419	2,593	2,587	2,530	2,518	2,597	2,485	2,560
Professional/other/unknown	869	895	887	900	914	1,013	984	1,155	1,187	1,239
U.S. citizen or permanent resident, all fields	31,086	31,195	30,304	29,938	28,874	27,712	28,145	28,010	27,925	28,746
Science and engineering	18,393	18,288	17,570	17,117	16,350	15,535	15,740	15,746	16,024	16,712
Science	15,061	15,241	14,679	14,544	13,895	13,368	13,562	13,558	13,739	14,227
Agricultural sciences	620	591	561	559	506	492	562	566	557	577
Biological sciences	4,256	4,319	4,123	4,268	4,252	4,117	4,061	4,197	4,392	4,467
Computer sciences	520	563	493	458	429	422	446	447	469	579
Earth, atmospheric, and ocean sciences	555	533	471	474	411	433	451	438	442	473
Mathematics	629	673	605	574	528	444	517	511	542	615
Physical sciences	2,479	2,442	2,265	2,072	2,035	1,924	1,951	1,858	1,899	1,993
Astronomy	158	147	117	139	124	106	130	115	120	123
Chemistry	1,438	1,471	1,406	1,241	1,233	1,229	1,266	1,184	1,212	1,266
Physics	883	824	742	692	678	589	555	559	567	604
Psychology	3,125	3,274	3,293	3,231	2,991	2,802	2,859	2,788	2,892	2,798
Social sciences	2,877	2,846	2,868	2,908	2,743	2,734	2,715	2,753	2,546	2,725
Engineering	3,332	3,047	2,891	2,573	2,455	2,167	2,178	2,188	2,285	2,485
Aeronautical/astronautical engineering	168	153	112	127	102	92	80	77	98	89
Chemical engineering	409	374	371	383	362	335	292	314	331	377
Civil engineering	327	297	312	261	270	248	269	224	252	243
Electrical engineering	940	805	766	649	566	507	502	501	566	553
Industrial engineering	119	101	99	77	89	81	71	77	75	70
Materials/metallurgical engineering	315	313	261	244	225	175	200	211	194	233
Mechanical engineering	538	517	464	396	428	343	333	298	324	383
Other engineering	516	487	506	436	413	386	431	486	445	537
Non-science and engineering	12,693	12,907	12,734	12,821	12,524	12,177	12,405	12,264	11,901	12,034
Education	5,748	5,748	5,817	5,686	5,462	5,415	5,648	5,452	5,249	5,109
Health	1,028	1,154	1,049	1,194	1,131	1,194	1,223	1,266	1,290	1,352

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	4,238	4,330	4,295	4,393	4,394	4,129	4,139	4,056	3,860	4,027
Professional/other/unknown	1,679	1,675	1,573	1,548	1,537	1,439	1,395	1,490	1,502	1,546
Male U.S. citizen or permanent resident, all fields	16,881	16,562	15,899	15,293	14,673	13,762	13,911	13,748	13,575	14,136
Science and engineering	11,390	11,087	10,496	9,981	9,466	8,823	8,909	8,893	8,883	9,244
Science	8,571	8,498	8,098	7,900	7,491	7,100	7,172	7,177	7,077	7,337
Agricultural sciences	443	386	376	364	311	310	362	340	333	354
Biological sciences	2,333	2,392	2,259	2,280	2,278	2,198	2,143	2,191	2,223	2,243
Computer sciences	419	439	387	372	331	324	347	345	367	452
Earth, atmospheric, and ocean sciences	404	376	336	329	273	270	298	263	278	295
Mathematics	452	473	413	409	373	309	365	357	391	446
Physical sciences	1,897	1,841	1,718	1,532	1,512	1,393	1,390	1,356	1,337	1,415
Astronomy	132	120	91	104	95	85	100	82	86	86
Chemistry	1,006	1,005	980	819	826	810	849	801	767	824
Physics	759	716	647	609	591	498	441	473	484	505
Psychology	1,014	1,058	1,064	1,052	979	918	894	897	902	779
Social sciences	1,609	1,533	1,545	1,562	1,434	1,378	1,373	1,428	1,246	1,353
Engineering	2,819	2,589	2,398	2,081	1,975	1,723	1,737	1,716	1,806	1,907
Aeronautical/astronautical engineering	156	141	102	113	83	81	69	67	87	78
Chemical engineering	332	297	296	282	269	247	220	234	247	269
Civil engineering	269	239	251	213	204	191	200	158	173	176
Electrical engineering	834	713	685	556	498	441	437	433	485	475
Industrial engineering	91	77	68	59	61	49	49	57	58	41
Materials/metallurgical engineering	244	262	206	190	171	129	155	173	145	172
Mechanical engineering	482	462	404	340	390	299	293	254	281	318
Other engineering	411	398	386	328	299	286	314	340	330	378
Non-science and engineering	5,491	5,475	5,403	5,312	5,207	4,939	5,002	4,855	4,692	4,892
Education	2,051	2,050	2,016	1,926	1,898	1,808	1,862	1,801	1,687	1,763
Health	287	311	329	340	330	337	351	345	364	366
Humanities	2,198	2,220	2,211	2,217	2,160	2,082	2,083	1,992	1,934	2,029
Professional/other/unknown	955	894	847	829	819	712	706	717	707	734
Female U.S. citizen or permanent resident, all fields	14,172	14,605	14,405	14,640	14,201	13,949	14,234	14,262	14,348	14,610
Science and engineering	6,989	7,184	7,074	7,134	6,884	6,711	6,831	6,853	7,139	7,468
Science	6,477	6,732	6,581	6,642	6,404	6,267	6,390	6,381	6,661	6,890
Agricultural sciences	176	205	185	195	195	181	200	226	224	223
Biological sciences	1,920	1,925	1,864	1,988	1,974	1,919	1,918	2,006	2,168	2,224
Computer sciences	100	123	106	86	98	98	99	102	102	127
Earth, atmospheric, and ocean sciences	150	157	135	145	138	163	153	175	164	178
Mathematics	177	199	192	164	155	135	152	154	151	169
Physical sciences	581	599	547	540	523	531	561	502	562	578
Astronomy	26	27	26	35	29	21	30	33	34	37
Chemistry	431	465	426	422	407	419	417	383	445	442
Physics	124	107	95	83	87	91	114	86	83	99
Psychology	2,106	2,212	2,229	2,178	2,012	1,884	1,965	1,891	1,990	2,019
Social sciences	1,267	1,312	1,323	1,346	1,309	1,356	1,342	1,325	1,300	1,372
Engineering	512	452	493	492	480	444	441	472	478	578
Aeronautical/astronautical engineering	12	12	10	14	19	11	11	10	11	11
Chemical engineering	77	76	75	101	93	88	72	80	84	108
Civil engineering	58	58	61	48	66	57	69	66	79	67
Electrical engineering	106	91	81	93	68	66	65	68	80	78
Industrial engineering	28	24	31	18	28	32	22	20	17	29
Materials/metallurgical engineering	71	51	55	54	54	46	45	38	49	61
Mechanical engineering	55	51	60	56	38	44	40	44	43	65
Other engineering	105	89	120	108	114	100	117	146	115	159
Non-science and engineering	7,183	7,421	7,331	7,506	7,317	7,238	7,403	7,409	7,209	7,142
Education	3,688	3,692	3,801	3,759	3,564	3,607	3,786	3,651	3,562	3,346

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	740	843	720	854	801	857	872	921	926	986
Humanities	2,035	2,106	2,084	2,175	2,234	2,047	2,056	2,064	1,926	1,998
Professional/other/unknown	720	780	726	718	718	727	689	773	795	812
U.S. citizen, all fields	28,154	28,533	27,994	27,988	27,042	26,050	26,513	26,472	26,325	26,917
Science and engineering	16,112	16,297	15,916	15,708	15,079	14,362	14,641	14,743	14,911	15,459
Science	13,373	13,728	13,429	13,485	12,923	12,468	12,729	12,797	12,910	13,274
Agricultural sciences	532	506	506	498	469	460	521	531	527	546
Biological sciences	3,670	3,773	3,659	3,904	3,913	3,801	3,798	3,964	4,137	4,165
Computer sciences	430	479	421	389	373	358	389	397	401	484
Earth, atmospheric, and ocean sciences	488	477	423	444	382	397	419	415	421	445
Mathematics	530	581	539	518	473	413	471	456	480	549
Physical sciences	2,115	2,134	2,024	1,871	1,854	1,763	1,800	1,740	1,765	1,837
Astronomy	151	132	111	127	120	101	125	113	120	117
Chemistry	1,233	1,294	1,256	1,119	1,131	1,136	1,172	1,112	1,130	1,170
Physics	731	708	657	625	603	526	503	515	515	550
Psychology	3,036	3,187	3,223	3,156	2,916	2,730	2,790	2,723	2,813	2,722
Social sciences	2,572	2,591	2,634	2,705	2,543	2,546	2,541	2,571	2,366	2,526
Engineering	2,739	2,569	2,487	2,223	2,156	1,894	1,912	1,946	2,001	2,185
Aeronautical/astronautical engineering	155	140	103	117	94	82	70	71	93	77
Chemical engineering	321	328	333	340	333	301	272	292	294	352
Civil engineering	249	246	261	221	223	211	239	190	211	200
Electrical engineering	753	639	639	533	471	423	410	422	466	459
Industrial engineering	102	84	86	67	74	71	55	63	59	59
Materials/metallurgical engineering	271	265	225	221	202	164	176	192	177	213
Mechanical engineering	456	435	399	341	386	286	288	270	293	341
Other engineering	432	432	441	383	373	356	402	446	408	484
Non-science and engineering	12,042	12,236	12,078	12,280	11,963	11,688	11,872	11,729	11,414	11,458
Education	5,583	5,581	5,639	5,560	5,346	5,302	5,519	5,336	5,141	4,974
Health	959	1,073	972	1,119	1,063	1,126	1,164	1,193	1,213	1,268
Humanities	3,948	4,031	4,010	4,161	4,127	3,925	3,902	3,812	3,644	3,787
Professional/other/unknown	1,552	1,551	1,457	1,440	1,427	1,335	1,287	1,388	1,416	1,429
Male U.S. citizen, all fields	15,046	14,918	14,519	14,158	13,673	12,884	13,096	12,996	12,792	13,273
Science and engineering	9,883	9,770	9,444	9,082	8,722	8,158	8,318	8,339	8,283	8,600
Science	7,559	7,577	7,384	7,280	6,978	6,631	6,780	6,806	6,679	6,906
Agricultural sciences	377	334	338	324	292	291	346	325	319	337
Biological sciences	2,031	2,087	2,010	2,096	2,123	2,066	2,031	2,087	2,111	2,128
Computer sciences	347	375	330	316	288	279	310	309	315	392
Earth, atmospheric, and ocean sciences	356	339	303	309	254	246	276	252	267	282
Mathematics	387	409	374	373	335	290	340	324	360	410
Physical sciences	1,646	1,625	1,559	1,395	1,389	1,282	1,306	1,287	1,250	1,324
Astronomy	126	109	87	95	93	80	97	81	86	84
Chemistry	881	897	894	744	766	753	805	766	719	772
Physics	639	619	578	556	530	449	404	440	445	468
Psychology	987	1,027	1,043	1,022	955	892	872	878	884	765
Social sciences	1,428	1,381	1,427	1,445	1,342	1,285	1,299	1,344	1,173	1,268
Engineering	2,324	2,193	2,060	1,802	1,744	1,527	1,538	1,533	1,604	1,694
Aeronautical/astronautical engineering	143	128	93	103	77	72	61	61	82	68
Chemical engineering	260	263	268	248	251	228	204	221	227	257
Civil engineering	204	196	207	179	164	162	176	134	147	144
Electrical engineering	679	573	577	464	427	378	364	369	410	403
Industrial engineering	77	62	58	50	51	43	38	45	45	35
Materials/metallurgical engineering	213	228	176	174	155	122	141	160	133	159
Mechanical engineering	409	393	347	294	352	252	257	228	257	285
Other engineering	339	350	334	290	267	270	297	315	303	343

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	5,163	5,148	5,075	5,076	4,951	4,726	4,778	4,657	4,509	4,673
Education	1,976	1,983	1,949	1,883	1,845	1,770	1,816	1,765	1,653	1,726
Health	254	274	285	308	302	312	326	324	338	338
Humanities	2,065	2,078	2,066	2,118	2,057	1,991	1,987	1,899	1,843	1,929
Professional/other/unknown	868	813	775	767	747	653	649	669	675	680
Female U.S. citizen, all fields	13,076	13,603	13,475	13,827	13,369	13,165	13,417	13,476	13,531	13,644
Science and engineering	6,216	6,521	6,472	6,625	6,357	6,203	6,323	6,404	6,626	6,859
Science	5,802	6,146	6,045	6,204	5,945	5,836	5,949	5,991	6,230	6,368
Agricultural sciences	154	172	168	174	177	168	175	206	208	209
Biological sciences	1,637	1,686	1,649	1,808	1,790	1,735	1,767	1,877	2,025	2,037
Computer sciences	82	104	91	73	85	79	79	88	86	92
Earth, atmospheric, and ocean sciences	131	138	120	135	128	151	143	163	154	163
Mathematics	143	172	165	145	138	123	131	132	120	139
Physical sciences	468	509	465	476	465	481	494	453	515	513
Astronomy	25	23	24	32	27	21	28	32	34	33
Chemistry	351	397	362	375	365	383	367	346	411	398
Physics	92	89	79	69	73	77	99	75	70	82
Psychology	2,044	2,156	2,180	2,133	1,961	1,838	1,918	1,845	1,929	1,957
Social sciences	1,143	1,209	1,207	1,260	1,201	1,261	1,242	1,227	1,193	1,258
Engineering	414	375	427	421	412	367	374	413	396	491
Aeronautical/astronautical engineering	12	12	10	14	17	10	9	10	11	9
Chemical engineering	61	64	65	92	82	73	68	71	67	95
Civil engineering	45	50	54	42	59	49	63	56	64	56
Electrical engineering	74	66	62	69	44	45	46	53	55	56
Industrial engineering	25	22	28	17	23	28	17	18	14	24
Materials/metallurgical engineering	58	37	49	47	47	42	35	32	44	54
Mechanical engineering	46	42	52	47	34	34	31	42	36	56
Other engineering	93	82	107	93	106	86	105	131	105	141
Non-science and engineering	6,860	7,082	7,003	7,202	7,012	6,962	7,094	7,072	6,905	6,785
Education	3,598	3,594	3,690	3,676	3,501	3,532	3,703	3,571	3,488	3,248
Health	704	799	687	811	761	814	838	869	875	930
Humanities	1,878	1,952	1,944	2,043	2,070	1,934	1,915	1,913	1,801	1,858
Professional/other/unknown	680	737	682	672	680	682	638	719	741	749
Non-U.S. citizen with permanent visa, all fields	2,932	2,662	2,310	1,950	1,832	1,662	1,632	1,538	1,600	1,829
Science and engineering	2,281	1,991	1,654	1,409	1,271	1,173	1,099	1,003	1,113	1,253
Science	1,688	1,513	1,250	1,059	972	900	833	761	829	953
Agricultural sciences	88	85	55	61	37	32	41	35	30	31
Biological sciences	586	546	464	364	339	316	263	233	255	302
Computer sciences	90	84	72	69	56	64	57	50	68	95
Earth, atmospheric, and ocean sciences	67	56	48	30	29	36	32	23	21	28
Mathematics	99	92	66	56	55	31	46	55	62	66
Physical sciences	364	308	241	201	181	161	151	118	134	156
Astronomy	7	15	6	12	4	5	5	2	0	6
Chemistry	205	177	150	122	102	93	94	72	82	96
Physics	152	116	85	67	75	63	52	44	52	54
Psychology	89	87	70	75	75	72	69	65	79	76
Social sciences	305	255	234	203	200	188	174	182	180	199
Engineering	593	478	404	350	299	273	266	242	284	300
Aeronautical/astronautical engineering	13	13	9	10	8	10	10	6	5	12
Chemical engineering	88	46	38	43	29	34	20	22	37	25
Civil engineering	78	51	51	40	47	37	30	34	41	43
Electrical engineering	187	166	127	116	95	84	92	79	100	94
Industrial engineering	17	17	13	10	15	10	16	14	16	11
Materials/metallurgical engineering	44	48	36	23	23	11	24	19	17	20
Mechanical engineering	82	82	65	55	42	57	45	28	31	42
Other engineering	84	55	65	53	40	30	29	40	37	53

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	651	671	656	541	561	489	533	535	487	576
Education	165	167	178	126	116	113	129	116	108	135
Health	69	81	77	75	68	68	59	73	77	84
Humanities	290	299	285	232	267	204	237	244	216	240
Professional/other/unknown	127	124	116	108	110	104	108	102	86	117
Male non-U.S. citizen with permanent visa, all fields	1,835	1,644	1,380	1,135	1,000	878	815	752	783	863
Science and engineering	1,507	1,317	1,052	899	744	665	591	554	600	644
Science	1,012	921	714	620	513	469	392	371	398	431
Agricultural sciences	66	52	38	40	19	19	16	15	14	17
Biological sciences	302	305	249	184	155	132	112	104	112	115
Computer sciences	72	64	57	56	43	45	37	36	52	60
Earth, atmospheric, and ocean sciences	48	37	33	20	19	24	22	11	11	13
Mathematics	65	64	39	36	38	19	25	33	31	36
Physical sciences	251	216	159	137	123	111	84	69	87	91
Astronomy	6	11	4	9	2	5	3	1	0	2
Chemistry	125	108	86	75	60	57	44	35	48	52
Physics	120	97	69	53	61	49	37	33	39	37
Psychology	27	31	21	30	24	26	22	19	18	14
Social sciences	181	152	118	117	92	93	74	84	73	85
Engineering	495	396	338	279	231	196	199	183	202	213
Aeronautical/astronautical engineering	13	13	9	10	6	9	8	6	5	10
Chemical engineering	72	34	28	34	18	19	16	13	20	12
Civil engineering	65	43	44	34	40	29	24	24	26	32
Electrical engineering	155	140	108	92	71	63	73	64	75	72
Industrial engineering	14	15	10	9	10	6	11	12	13	6
Materials/metallurgical engineering	31	34	30	16	16	7	14	13	12	13
Mechanical engineering	73	69	57	46	38	47	36	26	24	33
Other engineering	72	48	52	38	32	16	17	25	27	35
Non-science and engineering	328	327	328	236	256	213	224	198	183	219
Education	75	67	67	43	53	38	46	36	34	37
Health	33	37	44	32	28	25	25	21	26	28
Humanities	133	142	145	99	103	91	96	93	91	100
Professional/other/unknown	87	81	72	62	72	59	57	48	32	54
Female non-U.S. citizen with permanent visa, all fields	1,096	1,002	930	813	832	784	817	786	817	966
Science and engineering	773	663	602	509	527	508	508	449	513	609
Science	675	586	536	438	459	431	441	390	431	522
Agricultural sciences	22	33	17	21	18	13	25	20	16	14
Biological sciences	283	239	215	180	184	184	151	129	143	187
Computer sciences	18	19	15	13	13	19	20	14	16	35
Earth, atmospheric, and ocean sciences	19	19	15	10	10	12	10	12	10	15
Mathematics	34	27	27	19	17	12	21	22	31	30
Physical sciences	113	90	82	64	58	50	67	49	47	65
Astronomy	1	4	2	3	2	0	2	1	0	4
Chemistry	80	68	64	47	42	36	50	37	34	44
Physics	32	18	16	14	14	14	15	11	13	17
Psychology	62	56	49	45	51	46	47	46	61	62
Social sciences	124	103	116	86	108	95	100	98	107	114
Engineering	98	77	66	71	68	77	67	59	82	87
Aeronautical/astronautical engineering	0	0	0	0	2	1	2	0	0	2
Chemical engineering	16	12	10	9	11	15	4	9	17	13
Civil engineering	13	8	7	6	7	8	6	10	15	11
Electrical engineering	32	25	19	24	24	21	19	15	25	22
Industrial engineering	3	2	3	1	5	4	5	2	3	5
Materials/metallurgical engineering	13	14	6	7	7	4	10	6	5	7
Mechanical engineering	9	9	8	9	4	10	9	2	7	9

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Other engineering	12	7	13	15	8	14	12	15	10	18
Non-science and engineering	323	339	328	304	305	276	309	337	304	357
Education	90	98	111	83	63	75	83	80	74	98
Health	36	44	33	43	40	43	34	52	51	56
Humanities	157	154	140	132	164	113	141	151	125	140
Professional/other/unknown	40	43	44	46	38	45	51	54	54	63
Non-U.S. citizen with temporary visa, all fields	9,191	9,461	9,060	9,664	9,810	9,743	10,592	11,622	12,826	14,118
Science and engineering	7,507	7,745	7,240	7,661	7,946	7,694	8,384	9,155	10,406	11,522
Science	4,952	5,165	5,049	5,210	5,157	5,045	5,472	5,844	6,652	7,250
Agricultural sciences	411	479	486	443	400	433	427	418	415	397
Biological sciences	1,321	1,324	1,288	1,386	1,242	1,292	1,398	1,471	1,681	1,846
Computer sciences	330	326	330	364	358	349	378	459	596	795
Earth, atmospheric, and ocean sciences	213	202	220	182	219	223	201	224	234	240
Mathematics	441	444	445	443	435	440	440	528	602	668
Physical sciences	1,082	1,193	1,123	1,149	1,205	1,106	1,216	1,346	1,551	1,724
Astronomy	37	52	37	42	52	31	34	47	63	63
Chemistry	599	654	623	649	672	596	689	722	798	954
Physics	446	487	463	458	481	479	493	577	690	707
Psychology	137	168	153	164	152	157	195	188	209	243
Social sciences	1,017	1,029	1,004	1,079	1,146	1,045	1,217	1,210	1,364	1,337
Engineering	2,555	2,580	2,191	2,451	2,789	2,649	2,912	3,311	3,754	4,272
Aeronautical/astronautical engineering	97	70	82	74	87	106	111	116	115	117
Chemical engineering	343	373	282	307	335	327	342	368	474	467
Civil engineering	310	317	253	280	300	349	388	422	476	511
Electrical engineering	712	708	637	784	931	824	915	1,058	1,189	1,469
Industrial engineering	118	120	108	94	110	134	138	135	128	144
Materials/metallurgical engineering	244	228	193	181	250	196	260	280	317	347
Mechanical engineering	449	453	354	433	494	446	446	525	606	715
Other engineering	282	311	282	298	282	267	312	407	449	502
Non-science and engineering	1,684	1,716	1,820	2,003	1,864	2,049	2,208	2,467	2,420	2,596
Education	411	487	517	539	504	479	588	627	536	605
Health	273	285	286	306	317	324	329	365	388	401
Humanities	530	533	537	630	556	656	660	717	775	757
Professional/other/unknown	470	411	480	528	487	590	631	758	721	833
Male non-U.S. citizen with temporary visa, all fields	6,973	6,985	6,633	6,854	7,009	6,763	7,254	7,909	8,747	9,348
Science and engineering	5,975	5,988	5,591	5,796	5,983	5,726	6,144	6,703	7,560	8,097
Science	3,635	3,688	3,660	3,648	3,600	3,464	3,679	3,883	4,445	4,611
Agricultural sciences	313	366	364	326	274	315	284	266	285	233
Biological sciences	817	789	820	833	743	776	805	827	879	940
Computer sciences	292	303	283	315	311	287	311	377	490	632
Earth, atmospheric, and ocean sciences	179	165	179	135	172	181	148	164	166	164
Mathematics	366	360	367	359	326	318	335	384	443	457
Physical sciences	858	917	875	900	935	822	929	1,015	1,190	1,262
Astronomy	27	34	30	37	44	27	24	34	50	45
Chemistry	445	452	443	476	475	396	488	487	555	630
Physics	386	431	402	387	416	399	417	494	585	587
Psychology	58	67	70	68	67	62	74	70	81	85
Social sciences	752	721	702	712	772	703	793	780	911	838
Engineering	2,340	2,300	1,931	2,148	2,383	2,262	2,465	2,820	3,115	3,486
Aeronautical/astronautical engineering	93	68	77	70	80	96	95	104	97	107
Chemical engineering	300	312	238	259	257	253	260	288	364	356
Civil engineering	288	277	227	243	258	293	332	361	384	414
Electrical engineering	674	655	575	695	804	735	803	918	1,030	1,243
Industrial engineering	107	105	97	79	95	107	106	114	111	111
Materials/metallurgical engineering	210	197	161	155	201	167	206	230	248	263

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Mechanical engineering	420	424	322	398	445	399	403	476	531	628
Other engineering	248	262	234	249	243	212	260	329	350	364
Non-science and engineering	998	997	1,042	1,058	1,026	1,037	1,110	1,206	1,187	1,251
Education	205	248	244	244	216	197	238	259	216	220
Health	135	155	139	143	169	141	166	167	162	183
Humanities	294	270	296	296	299	311	306	314	383	357
Professional/other/unknown	364	324	363	375	342	388	400	466	426	491
Female non-U.S. citizen with temporary visa, all fields	2,203	2,456	2,423	2,809	2,800	2,975	3,338	3,713	4,075	4,769
Science and engineering	1,520	1,742	1,647	1,864	1,963	1,965	2,240	2,452	2,843	3,424
Science	1,309	1,469	1,388	1,562	1,557	1,579	1,793	1,961	2,205	2,638
Agricultural sciences	97	113	122	117	126	118	143	152	130	164
Biological sciences	504	534	468	553	499	516	593	644	801	906
Computer sciences	38	23	47	49	47	62	67	82	105	163
Earth, atmospheric, and ocean sciences	33	36	41	47	47	42	53	60	68	76
Mathematics	75	84	77	84	109	121	105	144	159	211
Physical sciences	221	275	248	249	270	283	287	331	361	461
Astronomy	10	18	7	5	8	4	10	13	13	18
Chemistry	153	201	180	173	197	200	201	235	243	324
Physics	58	56	61	71	65	79	76	83	105	119
Psychology	79	101	83	96	85	95	121	118	128	158
Social sciences	262	303	302	367	374	342	424	430	453	499
Engineering	211	273	259	302	406	386	447	491	638	786
Aeronautical/astronautical engineering	4	2	5	4	7	10	16	12	18	10
Chemical engineering	43	60	44	48	78	74	82	80	110	111
Civil engineering	21	39	26	37	42	56	56	61	92	97
Electrical engineering	36	52	62	88	127	88	112	140	158	226
Industrial engineering	11	14	11	15	15	27	32	21	17	33
Materials/metallurgical engineering	34	30	32	26	49	29	54	50	69	84
Mechanical engineering	29	28	31	35	49	47	43	49	75	87
Other engineering	33	48	48	49	39	55	52	78	99	138
Non-science and engineering	683	714	776	945	837	1,010	1,098	1,261	1,232	1,345
Education	206	238	273	295	287	281	350	368	320	385
Health	138	129	147	163	148	183	163	198	226	218
Humanities	234	261	240	334	257	344	354	403	391	400
Professional/other/unknown	105	86	116	153	145	202	231	292	295	342
Non-U.S. citizen, all fields	12,123	12,123	11,370	11,614	11,642	11,405	12,224	13,160	14,426	15,947
Science and engineering	9,788	9,736	8,894	9,070	9,217	8,867	9,483	10,158	11,519	12,775
Science	6,640	6,678	6,299	6,269	6,129	5,945	6,305	6,605	7,481	8,203
Agricultural sciences	499	564	541	504	437	465	468	453	445	428
Biological sciences	1,907	1,870	1,752	1,750	1,581	1,608	1,661	1,704	1,936	2,148
Computer sciences	420	410	402	433	414	413	435	509	664	890
Earth, atmospheric, and ocean sciences	280	258	268	212	248	259	233	247	255	268
Mathematics	540	536	511	499	490	471	486	583	664	734
Physical sciences	1,446	1,501	1,364	1,350	1,386	1,267	1,367	1,464	1,685	1,880
Astronomy	44	67	43	54	56	36	39	49	63	69
Chemistry	804	831	773	771	774	689	783	794	880	1,050
Physics	598	603	548	525	556	542	545	621	742	761
Psychology	226	255	223	239	227	229	264	253	288	319
Social sciences	1,322	1,284	1,238	1,282	1,346	1,233	1,391	1,392	1,544	1,536
Engineering	3,148	3,058	2,595	2,801	3,088	2,922	3,178	3,553	4,038	4,572
Aeronautical/astronautical engineering	110	83	91	84	95	116	121	122	120	129
Chemical engineering	431	419	320	350	364	361	362	390	511	492
Civil engineering	388	368	304	320	347	386	418	456	517	554
Electrical engineering	899	874	764	900	1,026	908	1,007	1,137	1,289	1,563
Industrial engineering	135	137	121	104	125	144	154	149	144	155

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Materials/metallurgical engineering	288	276	229	204	273	207	284	299	334	367
Mechanical engineering	531	535	419	488	536	503	491	553	637	757
Other engineering	366	366	347	351	322	297	341	447	486	555
Non-science and engineering	2,335	2,387	2,476	2,544	2,425	2,538	2,741	3,002	2,907	3,172
Education	576	654	695	665	620	592	717	743	644	740
Health	342	366	363	381	385	392	388	438	465	485
Humanities	820	832	822	862	823	860	897	961	991	997
Professional/other/unknown	597	535	596	636	597	694	739	860	807	950
Male non-U.S. citizen, all fields	8,808	8,629	8,013	7,989	8,009	7,641	8,069	8,661	9,530	10,211
Science and engineering	7,482	7,305	6,643	6,695	6,727	6,391	6,735	7,257	8,160	8,741
Science	4,647	4,609	4,374	4,268	4,113	3,933	4,071	4,254	4,843	5,042
Agricultural sciences	379	418	402	366	293	334	300	281	299	250
Biological sciences	1,119	1,094	1,069	1,017	898	908	917	931	991	1,055
Computer sciences	364	367	340	371	354	332	348	413	542	692
Earth, atmospheric, and ocean sciences	227	202	212	155	191	205	170	175	177	177
Mathematics	431	424	406	395	364	337	360	417	474	493
Physical sciences	1,109	1,133	1,034	1,037	1,058	933	1,013	1,084	1,277	1,353
Astronomy	33	45	34	46	46	32	27	35	50	47
Chemistry	570	560	529	551	535	453	532	522	603	682
Physics	506	528	471	440	477	448	454	527	624	624
Psychology	85	98	91	98	91	88	96	89	99	99
Social sciences	933	873	820	829	864	796	867	864	984	923
Engineering	2,835	2,696	2,269	2,427	2,614	2,458	2,664	3,003	3,317	3,699
Aeronautical/astronautical engineering	106	81	86	80	86	105	103	110	102	117
Chemical engineering	372	346	266	293	275	272	276	301	384	368
Civil engineering	353	320	271	277	298	322	356	385	410	446
Electrical engineering	829	795	683	787	875	798	876	982	1,105	1,315
Industrial engineering	121	120	107	88	105	113	117	126	124	117
Materials/metallurgical engineering	241	231	191	171	217	174	220	243	260	276
Mechanical engineering	493	493	379	444	483	446	439	502	555	661
Other engineering	320	310	286	287	275	228	277	354	377	399
Non-science and engineering	1,326	1,324	1,370	1,294	1,282	1,250	1,334	1,404	1,370	1,470
Education	280	315	311	287	269	235	284	295	250	257
Health	168	192	183	175	197	166	191	188	188	211
Humanities	427	412	441	395	402	402	402	407	474	457
Professional/other/unknown	451	405	435	437	414	447	457	514	458	545
Female non-U.S. citizen, all fields	3,299	3,458	3,353	3,622	3,632	3,759	4,155	4,499	4,892	5,735
Science and engineering	2,293	2,405	2,249	2,373	2,490	2,473	2,748	2,901	3,356	4,033
Science	1,984	2,055	1,924	2,000	2,016	2,010	2,234	2,351	2,636	3,160
Agricultural sciences	119	146	139	138	144	131	168	172	146	178
Biological sciences	787	773	683	733	683	700	744	773	944	1,093
Computer sciences	56	42	62	62	60	81	87	96	121	198
Earth, atmospheric, and ocean sciences	52	55	56	57	57	54	63	72	78	91
Mathematics	109	111	104	103	126	133	126	166	190	241
Physical sciences	334	365	330	313	328	333	354	380	408	526
Astronomy	11	22	9	8	10	4	12	14	13	22
Chemistry	233	269	244	220	239	236	251	272	277	368
Physics	90	74	77	85	79	93	91	94	118	136
Psychology	141	157	132	141	136	141	168	164	189	220
Social sciences	386	406	418	453	482	437	524	528	560	613
Engineering	309	350	325	373	474	463	514	550	720	873
Aeronautical/astronautical engineering	4	2	5	4	9	11	18	12	18	12
Chemical engineering	59	72	54	57	89	89	86	89	127	124
Civil engineering	34	47	33	43	49	64	62	71	107	108
Electrical engineering	68	77	81	112	151	109	131	155	183	248

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Industrial engineering	14	16	14	16	20	31	37	23	20	38
Materials/metallurgical engineering	47	44	38	33	56	33	64	56	74	91
Mechanical engineering	38	37	39	44	53	57	52	51	82	96
Other engineering	45	55	61	64	47	69	64	93	109	156
Non-science and engineering	1,006	1,053	1,104	1,249	1,142	1,286	1,407	1,598	1,536	1,702
Education	296	336	384	378	350	356	433	448	394	483
Health	174	173	180	206	188	226	197	250	277	274
Humanities	391	415	380	466	421	457	495	554	516	540
Professional/other/unknown	145	129	160	199	183	247	282	346	349	405
Citizenship unknown, all fields	2,262	1,981	1,733	1,763	2,053	2,570	2,020	2,491	2,634	2,732
Science and engineering	1,329	1,240	1,121	1,188	1,232	1,379	1,157	1,374	1,559	1,620
Science	1,102	946	873	889	965	1,116	967	1,096	1,173	1,186
Agricultural sciences	47	39	18	35	69	84	71	61	66	59
Biological sciences	211	203	170	199	203	285	236	272	295	318
Computer sciences	59	38	33	38	43	39	42	42	65	78
Earth, atmospheric, and ocean sciences	36	30	32	38	30	33	31	24	38	44
Mathematics	53	60	33	33	47	36	36	37	61	44
Physical sciences	185	165	174	157	124	156	122	134	195	208
Astronomy	3	7	5	4	10	4	3	3	3	11
Chemistry	110	91	103	99	76	97	86	81	116	143
Physics	72	67	66	54	38	55	33	50	76	54
Psychology	295	231	222	221	256	248	222	351	222	222
Social sciences	216	180	191	168	193	235	207	175	231	213
Engineering	227	294	248	299	267	263	190	278	386	434
Aeronautical/astronautical engineering	8	18	12	13	14	11	9	8	6	32
Chemical engineering	15	29	21	36	33	43	15	44	70	49
Civil engineering	18	36	19	15	25	30	16	27	30	49
Electrical engineering	68	82	75	110	82	63	48	92	96	111
Industrial engineering	9	8	4	5	7	15	5	5	18	21
Materials/metallurgical engineering	23	24	15	26	22	25	14	20	29	44
Mechanical engineering	35	52	37	35	31	38	35	29	48	50
Other engineering	51	45	65	59	53	38	48	53	89	78
Non-science and engineering	933	741	612	575	821	1,191	863	1,117	1,075	1,112
Education	418	334	217	211	383	609	407	556	441	409
Health	120	60	72	91	93	136	81	89	107	153
Humanities	267	254	203	190	228	266	221	240	314	338
Professional/other/unknown	128	93	120	83	117	180	154	232	213	212
Male, citizenship unknown, all fields	1,085	1,081	904	1,016	1,093	1,280	1,092	1,306	1,416	1,502
Science and engineering	715	734	647	742	737	838	709	822	964	1,000
Science	559	513	472	512	524	650	543	602	660	669
Agricultural sciences	27	28	9	28	44	58	40	40	41	35
Biological sciences	111	114	91	112	116	172	143	166	151	176
Computer sciences	32	23	22	30	31	29	32	27	49	57
Earth, atmospheric, and ocean sciences	25	22	20	31	16	27	24	21	26	29
Mathematics	33	40	23	22	35	24	29	30	43	31
Physical sciences	124	107	129	114	84	119	79	101	144	147
Astronomy	2	7	5	4	6	2	3	3	1	9
Chemistry	71	52	70	66	49	70	49	62	81	94
Physics	51	48	54	44	29	47	27	36	62	44
Psychology	90	80	75	83	81	85	76	114	77	68
Social sciences	117	99	103	92	117	136	120	103	129	126
Engineering	156	221	175	230	213	188	166	220	304	331
Aeronautical/astronautical engineering	5	16	9	8	11	8	9	6	6	26
Chemical engineering	9	21	16	30	21	27	14	31	51	35
Civil engineering	14	28	17	10	21	21	15	20	24	36

TABLE 3. Doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Electrical engineering	52	60	50	87	72	48	44	73	82	93
Industrial engineering	7	6	4	2	4	6	4	3	8	16
Materials/metallurgical engineering	16	18	9	22	20	19	12	17	26	30
Mechanical engineering	26	37	25	29	25	31	30	27	46	41
Other engineering	27	35	45	42	39	28	38	43	61	54
Non-science and engineering	370	347	257	274	356	442	383	484	452	502
Education	138	123	77	86	133	191	153	203	161	145
Health	47	23	31	39	43	48	27	29	40	68
Humanities	127	149	83	103	124	118	113	110	141	171
Professional/other/unknown	58	52	66	46	56	85	90	142	110	118
Female, citizenship unknown, all fields	868	787	656	680	884	1,211	928	1,183	1,156	1,160
Science and engineering	425	422	360	395	451	496	448	551	557	577
Science	398	374	324	351	407	434	424	493	492	489
Agricultural sciences	14	10	4	5	18	20	31	21	22	24
Biological sciences	71	77	62	81	78	111	93	106	138	132
Computer sciences	12	13	4	6	10	7	10	15	14	20
Earth, atmospheric, and ocean sciences	8	5	9	4	13	6	7	3	12	13
Mathematics	11	14	8	11	12	10	7	7	16	13
Physical sciences	41	43	30	38	35	34	43	32	48	53
Astronomy	1	0	0	0	4	2	0	0	2	1
Chemistry	29	29	26	29	23	26	37	18	34	44
Physics	11	14	4	9	8	6	6	14	12	8
Psychology	178	143	137	136	171	158	146	237	144	150
Social sciences	63	69	70	70	70	88	87	72	98	84
Engineering	27	48	36	44	44	62	24	58	65	88
Aeronautical/astronautical engineering	0	1	2	3	2	3	0	2	0	4
Chemical engineering	2	4	4	3	9	14	1	13	16	12
Civil engineering	1	3	2	3	3	8	1	7	5	12
Electrical engineering	8	13	12	14	9	9	4	19	11	13
Industrial engineering	1	2	0	2	2	8	1	2	7	5
Materials/metallurgical engineering	1	3	1	3	2	5	2	3	2	13
Mechanical engineering	4	14	5	5	4	5	5	2	2	7
Other engineering	10	8	10	11	13	10	10	10	22	22
Non-science and engineering	443	365	296	285	433	715	480	632	599	583
Education	229	201	124	123	246	406	254	352	270	256
Health	58	33	32	49	40	86	54	60	64	80
Humanities	112	102	95	84	96	139	108	130	168	162
Professional/other/unknown	44	29	45	29	51	84	64	90	97	85

NOTES: Persons whose sex is unknown are included in totals but are not shown separately. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Science and engineering	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	77.5	78.3	79.4	79.5	78.4	79.4	79.1	78.0	77.0	75.9
Agricultural sciences	4.0	4.1	4.1	4.0	3.8	4.1	4.2	4.0	3.7	3.5
Biological sciences	21.3	21.4	21.5	22.5	22.3	23.1	22.5	22.6	22.8	22.2
Computer sciences	3.3	3.4	3.3	3.3	3.3	3.3	3.4	3.6	4.0	4.9
Earth, atmospheric, and ocean sciences	3.0	2.8	2.8	2.7	2.6	2.8	2.7	2.6	2.6	2.5
Mathematics	4.1	4.3	4.2	4.0	4.0	3.7	3.9	4.1	4.3	4.4
Physical sciences	13.8	13.9	13.7	13.0	13.2	12.9	13.0	12.7	13.0	13.1
Astronomy	0.7	0.8	0.6	0.7	0.7	0.6	0.7	0.6	0.7	0.7
Chemistry	7.9	8.1	8.2	7.7	7.8	7.8	8.1	7.6	7.6	7.9
Physics	5.1	5.1	4.9	4.6	4.7	4.6	4.3	4.5	4.8	4.6
Psychology	13.1	13.5	14.1	13.9	13.3	13.0	13.0	12.7	11.9	10.9
Social sciences	15.1	14.9	15.7	16.0	16.0	16.3	16.4	15.7	14.8	14.3
Engineering	22.5	21.7	20.6	20.5	21.6	20.6	20.9	22.0	23.0	24.1
Aeronautical/astronautical engineering	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Chemical engineering	2.8	2.8	2.6	2.8	2.9	2.9	2.6	2.8	3.1	3.0
Civil engineering	2.4	2.4	2.3	2.1	2.3	2.5	2.7	2.6	2.7	2.7
Electrical engineering	6.3	5.8	5.7	5.9	6.2	5.7	5.8	6.3	6.6	7.1
Industrial engineering	0.9	0.8	0.8	0.7	0.8	0.9	0.8	0.8	0.8	0.8
Materials/metallurgical engineering	2.1	2.1	1.8	1.7	1.9	1.6	1.9	1.9	1.9	2.1
Mechanical engineering	3.8	3.7	3.3	3.3	3.7	3.4	3.2	3.2	3.5	3.8
Other engineering	3.1	3.1	3.3	3.1	2.9	2.8	3.1	3.6	3.5	3.7
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	70.6	71.3	73.1	73.0	71.8	72.9	72.3	71.0	70.0	68.8
Agricultural sciences	4.3	4.4	4.5	4.3	3.9	4.4	4.4	3.9	3.8	3.4
Biological sciences	18.0	18.5	18.9	19.5	19.4	20.4	19.6	19.4	18.7	18.3
Computer sciences	4.1	4.3	4.1	4.3	4.2	4.2	4.4	4.6	5.2	6.2
Earth, atmospheric, and ocean sciences	3.4	3.2	3.2	3.0	2.8	3.1	3.0	2.7	2.7	2.7
Mathematics	4.7	4.9	4.8	4.8	4.5	4.2	4.6	4.7	5.0	5.1
Physical sciences	15.9	16.1	16.3	15.4	15.6	15.2	15.2	15.1	15.3	15.4
Astronomy	0.9	0.9	0.8	0.9	0.9	0.7	0.8	0.7	0.8	0.8
Chemistry	8.4	8.5	8.9	8.2	8.3	8.3	8.8	8.2	8.1	8.4
Physics	6.6	6.7	6.6	6.3	6.4	6.1	5.6	6.1	6.5	6.2
Psychology	6.4	6.8	7.2	7.3	7.0	6.9	6.6	6.6	6.1	5.1
Social sciences	13.7	13.2	14.0	14.3	14.4	14.4	14.5	14.1	13.1	12.6
Engineering	29.4	28.7	26.9	27.0	28.2	27.1	27.7	29.0	30.0	31.2
Aeronautical/astronautical engineering	1.4	1.3	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.2
Chemical engineering	3.5	3.5	3.3	3.5	3.4	3.4	3.1	3.4	3.8	3.6
Civil engineering	3.2	3.1	3.0	2.8	3.0	3.3	3.5	3.3	3.3	3.4
Electrical engineering	8.6	8.0	7.8	8.1	8.5	8.0	8.1	8.7	9.2	9.9
Industrial engineering	1.1	1.1	1.0	0.8	1.0	1.1	1.0	1.1	1.0	0.9
Materials/metallurgical engineering	2.6	2.7	2.2	2.2	2.4	2.0	2.4	2.6	2.4	2.5
Mechanical engineering	5.1	5.2	4.5	4.6	5.3	4.7	4.6	4.6	4.9	5.4
Other engineering	3.8	3.9	4.0	3.7	3.6	3.4	3.9	4.3	4.3	4.3
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	91.6	91.7	91.3	91.1	90.0	90.3	90.4	89.6	88.8	87.3
Agricultural sciences	3.2	3.5	3.4	3.4	3.6	3.5	3.9	4.0	3.6	3.6
Biological sciences	27.9	27.1	26.4	27.9	27.4	27.8	27.4	28.0	29.5	28.4
Computer sciences	1.7	1.7	1.7	1.5	1.7	1.8	1.8	2.0	2.1	2.7
Earth, atmospheric, and ocean sciences	2.1	2.1	2.0	2.1	2.1	2.3	2.2	2.4	2.3	2.3
Mathematics	2.9	3.2	3.1	2.8	3.0	2.9	2.8	3.1	3.1	3.4
Physical sciences	9.4	9.8	9.1	8.8	8.9	9.2	9.4	8.8	9.2	9.5
Astronomy	0.4	0.5	0.4	0.4	0.4	0.3	0.4	0.5	0.5	0.5
Chemistry	6.9	7.4	7.0	6.6	6.7	7.0	6.9	6.5	6.9	7.1
Physics	2.2	1.9	1.8	1.7	1.7	1.9	2.1	1.9	1.9	2.0

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Psychology	26.4	26.3	27.0	25.7	24.4	23.3	23.4	22.8	21.5	20.3
Social sciences	17.8	18.0	18.7	19.0	18.9	19.5	19.5	18.5	17.6	17.0
Engineering	8.4	8.3	8.7	8.9	10.0	9.7	9.6	10.4	11.2	12.7
Aeronautical/astronautical engineering	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.3	0.2
Chemical engineering	1.4	1.5	1.4	1.6	1.9	1.9	1.6	1.8	2.0	2.0
Civil engineering	0.9	1.1	1.0	0.9	1.2	1.3	1.3	1.4	1.7	1.5
Electrical engineering	1.7	1.7	1.7	2.1	2.2	1.8	1.9	2.3	2.4	2.8
Industrial engineering	0.4	0.4	0.5	0.4	0.5	0.7	0.6	0.4	0.4	0.6
Materials/metallurgical engineering	1.2	0.9	1.0	0.9	1.1	0.9	1.1	0.9	1.1	1.4
Mechanical engineering	1.0	1.0	1.1	1.0	1.0	1.0	0.9	1.0	1.1	1.4
Other engineering	1.7	1.6	2.0	1.8	1.8	1.8	1.9	2.4	2.2	2.8
U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	81.9	83.3	83.5	85.0	85.0	86.1	86.2	86.1	85.7	85.1
Agricultural sciences	3.4	3.2	3.2	3.3	3.1	3.2	3.6	3.6	3.5	3.5
Biological sciences	23.1	23.6	23.5	24.9	26.0	26.5	25.8	26.7	27.4	26.7
Computer sciences	2.8	3.1	2.8	2.7	2.6	2.7	2.8	2.8	2.9	3.5
Earth, atmospheric, and ocean sciences	3.0	2.9	2.7	2.8	2.5	2.8	2.9	2.8	2.8	2.8
Mathematics	3.4	3.7	3.4	3.4	3.2	2.9	3.3	3.2	3.4	3.7
Physical sciences	13.5	13.4	12.9	12.1	12.4	12.4	12.4	11.8	11.9	11.9
Astronomy	0.9	0.8	0.7	0.8	0.8	0.7	0.8	0.7	0.7	0.7
Chemistry	7.8	8.0	8.0	7.3	7.5	7.9	8.0	7.5	7.6	7.6
Physics	4.8	4.5	4.2	4.0	4.1	3.8	3.5	3.6	3.5	3.6
Psychology	17.0	17.9	18.7	18.9	18.3	18.0	18.2	17.7	18.0	16.7
Social sciences	15.6	15.6	16.3	17.0	16.8	17.6	17.2	17.5	15.9	16.3
Engineering	18.1	16.7	16.5	15.0	15.0	13.9	13.8	13.9	14.3	14.9
Aeronautical/astronautical engineering	0.9	0.8	0.6	0.7	0.6	0.6	0.5	0.5	0.6	0.5
Chemical engineering	2.2	2.0	2.1	2.2	2.2	2.2	1.9	2.0	2.1	2.3
Civil engineering	1.8	1.6	1.8	1.5	1.7	1.6	1.7	1.4	1.6	1.5
Electrical engineering	5.1	4.4	4.4	3.8	3.5	3.3	3.2	3.2	3.5	3.3
Industrial engineering	0.6	0.6	0.6	0.4	0.5	0.5	0.5	0.5	0.5	0.4
Materials/metallurgical engineering	1.7	1.7	1.5	1.4	1.4	1.1	1.3	1.3	1.2	1.4
Mechanical engineering	2.9	2.8	2.6	2.3	2.6	2.2	2.1	1.9	2.0	2.3
Other engineering	2.8	2.7	2.9	2.5	2.5	2.5	2.7	3.1	2.8	3.2
Male U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	75.3	76.6	77.2	79.2	79.1	80.5	80.5	80.7	79.7	79.4
Agricultural sciences	3.9	3.5	3.6	3.6	3.3	3.5	4.1	3.8	3.7	3.8
Biological sciences	20.5	21.6	21.5	22.8	24.1	24.9	24.1	24.6	25.0	24.3
Computer sciences	3.7	4.0	3.7	3.7	3.5	3.7	3.9	3.9	4.1	4.9
Earth, atmospheric, and ocean sciences	3.5	3.4	3.2	3.3	2.9	3.1	3.3	3.0	3.1	3.2
Mathematics	4.0	4.3	3.9	4.1	3.9	3.5	4.1	4.0	4.4	4.8
Physical sciences	16.7	16.6	16.4	15.3	16.0	15.8	15.6	15.2	15.1	15.3
Astronomy	1.2	1.1	0.9	1.0	1.0	1.0	1.1	0.9	1.0	0.9
Chemistry	8.8	9.1	9.3	8.2	8.7	9.2	9.5	9.0	8.6	8.9
Physics	6.7	6.5	6.2	6.1	6.2	5.6	5.0	5.3	5.4	5.5
Psychology	8.9	9.5	10.1	10.5	10.3	10.4	10.0	10.1	10.2	8.4
Social sciences	14.1	13.8	14.7	15.6	15.1	15.6	15.4	16.1	14.0	14.6
Engineering	24.7	23.4	22.8	20.8	20.9	19.5	19.5	19.3	20.3	20.6
Aeronautical/astronautical engineering	1.4	1.3	1.0	1.1	0.9	0.9	0.8	0.8	1.0	0.8
Chemical engineering	2.9	2.7	2.8	2.8	2.8	2.8	2.5	2.6	2.8	2.9
Civil engineering	2.4	2.2	2.4	2.1	2.2	2.2	2.2	1.8	1.9	1.9
Electrical engineering	7.3	6.4	6.5	5.6	5.3	5.0	4.9	4.9	5.5	5.1
Industrial engineering	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.4
Materials/metallurgical engineering	2.1	2.4	2.0	1.9	1.8	1.5	1.7	1.9	1.6	1.9
Mechanical engineering	4.2	4.2	3.8	3.4	4.1	3.4	3.3	2.9	3.2	3.4
Other engineering	3.6	3.6	3.7	3.3	3.2	3.2	3.5	3.8	3.7	4.1

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Female U.S. citizen or permanent resident	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	92.7	93.7	93.0	93.1	93.0	93.4	93.5	93.1	93.3	92.3
Agricultural sciences	2.5	2.9	2.6	2.7	2.8	2.7	2.9	3.3	3.1	3.0
Biological sciences	27.5	26.8	26.4	27.9	28.7	28.6	28.1	29.3	30.4	29.8
Computer sciences	1.4	1.7	1.5	1.2	1.4	1.5	1.4	1.5	1.4	1.7
Earth, atmospheric, and ocean sciences	2.1	2.2	1.9	2.0	2.0	2.4	2.2	2.6	2.3	2.4
Mathematics	2.5	2.8	2.7	2.3	2.3	2.0	2.2	2.2	2.1	2.3
Physical sciences	8.3	8.3	7.7	7.6	7.6	7.9	8.2	7.3	7.9	7.7
Astronomy	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.5	0.5	0.5
Chemistry	6.2	6.5	6.0	5.9	5.9	6.2	6.1	5.6	6.2	5.9
Physics	1.8	1.5	1.3	1.2	1.3	1.4	1.7	1.3	1.2	1.3
Psychology	30.1	30.8	31.5	30.5	29.2	28.1	28.8	27.6	27.9	27.0
Social sciences	18.1	18.3	18.7	18.9	19.0	20.2	19.6	19.3	18.2	18.4
Engineering	7.3	6.3	7.0	6.9	7.0	6.6	6.5	6.9	6.7	7.7
Aeronautical/astronautical engineering	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.1
Chemical engineering	1.1	1.1	1.1	1.4	1.4	1.3	1.1	1.2	1.2	1.4
Civil engineering	0.8	0.8	0.9	0.7	1.0	0.8	1.0	1.0	1.1	0.9
Electrical engineering	1.5	1.3	1.1	1.3	1.0	1.0	1.0	1.0	1.1	1.0
Industrial engineering	0.4	0.3	0.4	0.3	0.4	0.5	0.3	0.3	0.2	0.4
Materials/metallurgical engineering	1.0	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.7	0.8
Mechanical engineering	0.8	0.7	0.8	0.8	0.6	0.7	0.6	0.6	0.6	0.9
Other engineering	1.5	1.2	1.7	1.5	1.7	1.5	1.7	2.1	1.6	2.1
U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	83.0	84.2	84.4	85.8	85.7	86.8	86.9	86.8	86.6	85.9
Agricultural sciences	3.3	3.1	3.2	3.2	3.1	3.2	3.6	3.6	3.5	3.5
Biological sciences	22.8	23.2	23.0	24.9	25.9	26.5	25.9	26.9	27.7	26.9
Computer sciences	2.7	2.9	2.6	2.5	2.5	2.5	2.7	2.7	2.7	3.1
Earth, atmospheric, and ocean sciences	3.0	2.9	2.7	2.8	2.5	2.8	2.9	2.8	2.8	2.9
Mathematics	3.3	3.6	3.4	3.3	3.1	2.9	3.2	3.1	3.2	3.6
Physical sciences	13.1	13.1	12.7	11.9	12.3	12.3	12.3	11.8	11.8	11.9
Astronomy	0.9	0.8	0.7	0.8	0.8	0.7	0.9	0.8	0.8	0.8
Chemistry	7.7	7.9	7.9	7.1	7.5	7.9	8.0	7.5	7.6	7.6
Physics	4.5	4.3	4.1	4.0	4.0	3.7	3.4	3.5	3.5	3.6
Psychology	18.8	19.6	20.3	20.1	19.3	19.0	19.1	18.5	18.9	17.6
Social sciences	16.0	15.9	16.5	17.2	16.9	17.7	17.4	17.4	15.9	16.3
Engineering	17.0	15.8	15.6	14.2	14.3	13.2	13.1	13.2	13.4	14.1
Aeronautical/astronautical engineering	1.0	0.9	0.6	0.7	0.6	0.6	0.5	0.5	0.6	0.5
Chemical engineering	2.0	2.0	2.1	2.2	2.2	2.1	1.9	2.0	2.0	2.3
Civil engineering	1.5	1.5	1.6	1.4	1.5	1.5	1.6	1.3	1.4	1.3
Electrical engineering	4.7	3.9	4.0	3.4	3.1	2.9	2.8	2.9	3.1	3.0
Industrial engineering	0.6	0.5	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4
Materials/metallurgical engineering	1.7	1.6	1.4	1.4	1.3	1.1	1.2	1.3	1.2	1.4
Mechanical engineering	2.8	2.7	2.5	2.2	2.6	2.0	2.0	1.8	2.0	2.2
Other engineering	2.7	2.7	2.8	2.4	2.5	2.5	2.7	3.0	2.7	3.1
Male U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	76.5	77.6	78.2	80.2	80.0	81.3	81.5	81.6	80.6	80.3
Agricultural sciences	3.8	3.4	3.6	3.6	3.3	3.6	4.2	3.9	3.9	3.9
Biological sciences	20.6	21.4	21.3	23.1	24.3	25.3	24.4	25.0	25.5	24.7
Computer sciences	3.5	3.8	3.5	3.5	3.3	3.4	3.7	3.7	3.8	4.6
Earth, atmospheric, and ocean sciences	3.6	3.5	3.2	3.4	2.9	3.0	3.3	3.0	3.2	3.3
Mathematics	3.9	4.2	4.0	4.1	3.8	3.6	4.1	3.9	4.3	4.8
Physical sciences	16.7	16.6	16.5	15.4	15.9	15.7	15.7	15.4	15.1	15.4
Astronomy	1.3	1.1	0.9	1.0	1.1	1.0	1.2	1.0	1.0	1.0
Chemistry	8.9	9.2	9.5	8.2	8.8	9.2	9.7	9.2	8.7	9.0
Physics	6.5	6.3	6.1	6.1	6.1	5.5	4.9	5.3	5.4	5.4

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Psychology	10.0	10.5	11.0	11.3	10.9	10.9	10.5	10.5	10.7	8.9
Social sciences	14.4	14.1	15.1	15.9	15.4	15.8	15.6	16.1	14.2	14.7
Engineering	23.5	22.4	21.8	19.8	20.0	18.7	18.5	18.4	19.4	19.7
Aeronautical/astronautical engineering	1.4	1.3	1.0	1.1	0.9	0.9	0.7	0.7	1.0	0.8
Chemical engineering	2.6	2.7	2.8	2.7	2.9	2.8	2.5	2.7	2.7	3.0
Civil engineering	2.1	2.0	2.2	2.0	1.9	2.0	2.1	1.6	1.8	1.7
Electrical engineering	6.9	5.9	6.1	5.1	4.9	4.6	4.4	4.4	4.9	4.7
Industrial engineering	0.8	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
Materials/metallurgical engineering	2.2	2.3	1.9	1.9	1.8	1.5	1.7	1.9	1.6	1.8
Mechanical engineering	4.1	4.0	3.7	3.2	4.0	3.1	3.1	2.7	3.1	3.3
Other engineering	3.4	3.6	3.5	3.2	3.1	3.3	3.6	3.8	3.7	4.0
Female U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.3	94.2	93.4	93.6	93.5	94.1	94.1	93.6	94.0	92.8
Agricultural sciences	2.5	2.6	2.6	2.6	2.8	2.7	2.8	3.2	3.1	3.0
Biological sciences	26.3	25.9	25.5	27.3	28.2	28.0	27.9	29.3	30.6	29.7
Computer sciences	1.3	1.6	1.4	1.1	1.3	1.3	1.2	1.4	1.3	1.3
Earth, atmospheric, and ocean sciences	2.1	2.1	1.9	2.0	2.0	2.4	2.3	2.5	2.3	2.4
Mathematics	2.3	2.6	2.5	2.2	2.2	2.0	2.1	2.1	1.8	2.0
Physical sciences	7.5	7.8	7.2	7.2	7.3	7.8	7.8	7.1	7.8	7.5
Astronomy	0.4	0.4	0.4	0.5	0.4	0.3	0.4	0.5	0.5	0.5
Chemistry	5.6	6.1	5.6	5.7	5.7	6.2	5.8	5.4	6.2	5.8
Physics	1.5	1.4	1.2	1.0	1.1	1.2	1.6	1.2	1.1	1.2
Psychology	32.9	33.1	33.7	32.2	30.8	29.6	30.3	28.8	29.1	28.5
Social sciences	18.4	18.5	18.6	19.0	18.9	20.3	19.6	19.2	18.0	18.3
Engineering	6.7	5.8	6.6	6.4	6.5	5.9	5.9	6.4	6.0	7.2
Aeronautical/astronautical engineering	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.1
Chemical engineering	1.0	1.0	1.0	1.4	1.3	1.2	1.1	1.1	1.0	1.4
Civil engineering	0.7	0.8	0.8	0.6	0.9	0.8	1.0	0.9	1.0	0.8
Electrical engineering	1.2	1.0	1.0	1.0	0.7	0.7	0.7	0.8	0.8	0.8
Industrial engineering	0.4	0.3	0.4	0.3	0.4	0.5	0.3	0.3	0.2	0.3
Materials/metallurgical engineering	0.9	0.6	0.8	0.7	0.7	0.7	0.6	0.5	0.7	0.8
Mechanical engineering	0.7	0.6	0.8	0.7	0.5	0.5	0.5	0.7	0.5	0.8
Other engineering	1.5	1.3	1.7	1.4	1.7	1.4	1.7	2.0	1.6	2.1
Non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	74.0	76.0	75.6	75.2	76.5	76.7	75.8	75.9	74.5	76.1
Agricultural sciences	3.9	4.3	3.3	4.3	2.9	2.7	3.7	3.5	2.7	2.5
Biological sciences	25.7	27.4	28.1	25.8	26.7	26.9	23.9	23.2	22.9	24.1
Computer sciences	3.9	4.2	4.4	4.9	4.4	5.5	5.2	5.0	6.1	7.6
Earth, atmospheric, and ocean sciences	2.9	2.8	2.9	2.1	2.3	3.1	2.9	2.3	1.9	2.2
Mathematics	4.3	4.6	4.0	4.0	4.3	2.6	4.2	5.5	5.6	5.3
Physical sciences	16.0	15.5	14.6	14.3	14.2	13.7	13.7	11.8	12.0	12.5
Astronomy	0.3	0.8	0.4	0.9	0.3	0.4	0.5	0.2	0.0	0.5
Chemistry	9.0	8.9	9.1	8.7	8.0	7.9	8.6	7.2	7.4	7.7
Physics	6.7	5.8	5.1	4.8	5.9	5.4	4.7	4.4	4.7	4.3
Psychology	3.9	4.4	4.2	5.3	5.9	6.1	6.3	6.5	7.1	6.1
Social sciences	13.4	12.8	14.1	14.4	15.7	16.0	15.8	18.1	16.2	15.9
Engineering	26.0	24.0	24.4	24.8	23.5	23.3	24.2	24.1	25.5	23.9
Aeronautical/astronautical engineering	0.6	0.7	0.5	0.7	0.6	0.9	0.9	0.6	0.4	1.0
Chemical engineering	3.9	2.3	2.3	3.1	2.3	2.9	1.8	2.2	3.3	2.0
Civil engineering	3.4	2.6	3.1	2.8	3.7	3.2	2.7	3.4	3.7	3.4
Electrical engineering	8.2	8.3	7.7	8.2	7.5	7.2	8.4	7.9	9.0	7.5
Industrial engineering	0.7	0.9	0.8	0.7	1.2	0.9	1.5	1.4	1.4	0.9
Materials/metallurgical engineering	1.9	2.4	2.2	1.6	1.8	0.9	2.2	1.9	1.5	1.6
Mechanical engineering	3.6	4.1	3.9	3.9	3.3	4.9	4.1	2.8	2.8	3.4
Other engineering	3.7	2.8	3.9	3.8	3.1	2.6	2.6	4.0	3.3	4.2

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Male non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	67.2	69.9	67.9	69.0	69.0	70.5	66.3	67.0	66.3	66.9
Agricultural sciences	4.4	3.9	3.6	4.4	2.6	2.9	2.7	2.7	2.3	2.6
Biological sciences	20.0	23.2	23.7	20.5	20.8	19.8	19.0	18.8	18.7	17.9
Computer sciences	4.8	4.9	5.4	6.2	5.8	6.8	6.3	6.5	8.7	9.3
Earth, atmospheric, and ocean sciences	3.2	2.8	3.1	2.2	2.6	3.6	3.7	2.0	1.8	2.0
Mathematics	4.3	4.9	3.7	4.0	5.1	2.9	4.2	6.0	5.2	5.6
Physical sciences	16.7	16.4	15.1	15.2	16.5	16.7	14.2	12.5	14.5	14.1
Astronomy	0.4	0.8	0.4	1.0	0.3	0.8	0.5	0.2	0.0	0.3
Chemistry	8.3	8.2	8.2	8.3	8.1	8.6	7.4	6.3	8.0	8.1
Physics	8.0	7.4	6.6	5.9	8.2	7.4	6.3	6.0	6.5	5.7
Psychology	1.8	2.4	2.0	3.3	3.2	3.9	3.7	3.4	3.0	2.2
Social sciences	12.0	11.5	11.2	13.0	12.4	14.0	12.5	15.2	12.2	13.2
Engineering	32.8	30.1	32.1	31.0	31.0	29.5	33.7	33.0	33.7	33.1
Aeronautical/astronautical engineering	0.9	1.0	0.9	1.1	0.8	1.4	1.4	1.1	0.8	1.6
Chemical engineering	4.8	2.6	2.7	3.8	2.4	2.9	2.7	2.3	3.3	1.9
Civil engineering	4.3	3.3	4.2	3.8	5.4	4.4	4.1	4.3	4.3	5.0
Electrical engineering	10.3	10.6	10.3	10.2	9.5	9.5	12.4	11.6	12.5	11.2
Industrial engineering	0.9	1.1	1.0	1.0	1.3	0.9	1.9	2.2	2.2	0.9
Materials/metallurgical engineering	2.1	2.6	2.9	1.8	2.2	1.1	2.4	2.3	2.0	2.0
Mechanical engineering	4.8	5.2	5.4	5.1	5.1	7.1	6.1	4.7	4.0	5.1
Other engineering	4.8	3.6	4.9	4.2	4.3	2.4	2.9	4.5	4.5	5.4
Female non-U.S. citizen with permanent visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	87.3	88.4	89.0	86.1	87.1	84.8	86.8	86.9	84.0	85.7
Agricultural sciences	2.8	5.0	2.8	4.1	3.4	2.6	4.9	4.5	3.1	2.3
Biological sciences	36.6	36.0	35.7	35.4	34.9	36.2	29.7	28.7	27.9	30.7
Computer sciences	2.3	2.9	2.5	2.6	2.5	3.7	3.9	3.1	3.1	5.7
Earth, atmospheric, and ocean sciences	2.5	2.9	2.5	2.0	1.9	2.4	2.0	2.7	1.9	2.5
Mathematics	4.4	4.1	4.5	3.7	3.2	2.4	4.1	4.9	6.0	4.9
Physical sciences	14.6	13.6	13.6	12.6	11.0	9.8	13.2	10.9	9.2	10.7
Astronomy	0.1	0.6	0.3	0.6	0.4	0.0	0.4	0.2	0.0	0.7
Chemistry	10.3	10.3	10.6	9.2	8.0	7.1	9.8	8.2	6.6	7.2
Physics	4.1	2.7	2.7	2.8	2.7	2.8	3.0	2.4	2.5	2.8
Psychology	8.0	8.4	8.1	8.8	9.7	9.1	9.3	10.2	11.9	10.2
Social sciences	16.0	15.5	19.3	16.9	20.5	18.7	19.7	21.8	20.9	18.7
Engineering	12.7	11.6	11.0	13.9	12.9	15.2	13.2	13.1	16.0	14.3
Aeronautical/astronautical engineering	0.0	0.0	0.0	0.0	0.4	0.2	0.4	0.0	0.0	0.3
Chemical engineering	2.1	1.8	1.7	1.8	2.1	3.0	0.8	2.0	3.3	2.1
Civil engineering	1.7	1.2	1.2	1.2	1.3	1.6	1.2	2.2	2.9	1.8
Electrical engineering	4.1	3.8	3.2	4.7	4.6	4.1	3.7	3.3	4.9	3.6
Industrial engineering	0.4	0.3	0.5	0.2	0.9	0.8	1.0	0.4	0.6	0.8
Materials/metallurgical engineering	1.7	2.1	1.0	1.4	1.3	0.8	2.0	1.3	1.0	1.1
Mechanical engineering	1.2	1.4	1.3	1.8	0.8	2.0	1.8	0.4	1.4	1.5
Other engineering	1.6	1.1	2.2	2.9	1.5	2.8	2.4	3.3	1.9	3.0
Non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	66.0	66.7	69.7	68.0	64.9	65.6	65.3	63.8	63.9	62.9
Agricultural sciences	5.5	6.2	6.7	5.8	5.0	5.6	5.1	4.6	4.0	3.4
Biological sciences	17.6	17.1	17.8	18.1	15.6	16.8	16.7	16.1	16.2	16.0
Computer sciences	4.4	4.2	4.6	4.8	4.5	4.5	4.5	5.0	5.7	6.9
Earth, atmospheric, and ocean sciences	2.8	2.6	3.0	2.4	2.8	2.9	2.4	2.4	2.2	2.1
Mathematics	5.9	5.7	6.1	5.8	5.5	5.7	5.2	5.8	5.8	5.8
Physical sciences	14.4	15.4	15.5	15.0	15.2	14.4	14.5	14.7	14.9	15.0
Astronomy	0.5	0.7	0.5	0.5	0.7	0.4	0.4	0.5	0.6	0.5
Chemistry	8.0	8.4	8.6	8.5	8.5	7.7	8.2	7.9	7.7	8.3
Physics	5.9	6.3	6.4	6.0	6.1	6.2	5.9	6.3	6.6	6.1
Psychology	1.8	2.2	2.1	2.1	1.9	2.0	2.3	2.1	2.0	2.1
Social sciences	13.5	13.3	13.9	14.1	14.4	13.6	14.5	13.2	13.1	11.6

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Engineering	34.0	33.3	30.3	32.0	35.1	34.4	34.7	36.2	36.1	37.1
Aeronautical/astronautical engineering	1.3	0.9	1.1	1.0	1.1	1.4	1.3	1.3	1.1	1.0
Chemical engineering	4.6	4.8	3.9	4.0	4.2	4.3	4.1	4.0	4.6	4.1
Civil engineering	4.1	4.1	3.5	3.7	3.8	4.5	4.6	4.6	4.6	4.4
Electrical engineering	9.5	9.1	8.8	10.2	11.7	10.7	10.9	11.6	11.4	12.7
Industrial engineering	1.6	1.5	1.5	1.2	1.4	1.7	1.6	1.5	1.2	1.2
Materials/metallurgical engineering	3.3	2.9	2.7	2.4	3.1	2.5	3.1	3.1	3.0	3.0
Mechanical engineering	6.0	5.8	4.9	5.7	6.2	5.8	5.3	5.7	5.8	6.2
Other engineering	3.8	4.0	3.9	3.9	3.5	3.5	3.7	4.4	4.3	4.4
Male non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	60.8	61.6	65.5	62.9	60.2	60.5	59.9	57.9	58.8	56.9
Agricultural sciences	5.2	6.1	6.5	5.6	4.6	5.5	4.6	4.0	3.8	2.9
Biological sciences	13.7	13.2	14.7	14.4	12.4	13.6	13.1	12.3	11.6	11.6
Computer sciences	4.9	5.1	5.1	5.4	5.2	5.0	5.1	5.6	6.5	7.8
Earth, atmospheric, and ocean sciences	3.0	2.8	3.2	2.3	2.9	3.2	2.4	2.4	2.2	2.0
Mathematics	6.1	6.0	6.6	6.2	5.4	5.6	5.5	5.7	5.9	5.6
Physical sciences	14.4	15.3	15.7	15.5	15.6	14.4	15.1	15.1	15.7	15.6
Astronomy	0.5	0.6	0.5	0.6	0.7	0.5	0.4	0.5	0.7	0.6
Chemistry	7.4	7.5	7.9	8.2	7.9	6.9	7.9	7.3	7.3	7.8
Physics	6.5	7.2	7.2	6.7	7.0	7.0	6.8	7.4	7.7	7.2
Psychology	1.0	1.1	1.3	1.2	1.1	1.1	1.2	1.0	1.1	1.0
Social sciences	12.6	12.0	12.6	12.3	12.9	12.3	12.9	11.6	12.1	10.3
Engineering	39.2	38.4	34.5	37.1	39.8	39.5	40.1	42.1	41.2	43.1
Aeronautical/astronautical engineering	1.6	1.1	1.4	1.2	1.3	1.7	1.5	1.6	1.3	1.3
Chemical engineering	5.0	5.2	4.3	4.5	4.3	4.4	4.2	4.3	4.8	4.4
Civil engineering	4.8	4.6	4.1	4.2	4.3	5.1	5.4	5.4	5.1	5.1
Electrical engineering	11.3	10.9	10.3	12.0	13.4	12.8	13.1	13.7	13.6	15.4
Industrial engineering	1.8	1.8	1.7	1.4	1.6	1.9	1.7	1.7	1.5	1.4
Materials/metallurgical engineering	3.5	3.3	2.9	2.7	3.4	2.9	3.4	3.4	3.3	3.2
Mechanical engineering	7.0	7.1	5.8	6.9	7.4	7.0	6.6	7.1	7.0	7.8
Other engineering	4.2	4.4	4.2	4.3	4.1	3.7	4.2	4.9	4.6	4.5
Female non-U.S. citizen with temporary visa	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	86.1	84.3	84.3	83.8	79.3	80.4	80.0	80.0	77.6	77.0
Agricultural sciences	6.4	6.5	7.4	6.3	6.4	6.0	6.4	6.2	4.6	4.8
Biological sciences	33.2	30.7	28.4	29.7	25.4	26.3	26.5	26.3	28.2	26.5
Computer sciences	2.5	1.3	2.9	2.6	2.4	3.2	3.0	3.3	3.7	4.8
Earth, atmospheric, and ocean sciences	2.2	2.1	2.5	2.5	2.4	2.1	2.4	2.4	2.4	2.2
Mathematics	4.9	4.8	4.7	4.5	5.6	6.2	4.7	5.9	5.6	6.2
Physical sciences	14.5	15.8	15.1	13.4	13.8	14.4	12.8	13.5	12.7	13.5
Astronomy	0.7	1.0	0.4	0.3	0.4	0.2	0.4	0.5	0.5	0.5
Chemistry	10.1	11.5	10.9	9.3	10.0	10.2	9.0	9.6	8.5	9.5
Physics	3.8	3.2	3.7	3.8	3.3	4.0	3.4	3.4	3.7	3.5
Psychology	5.2	5.8	5.0	5.2	4.3	4.8	5.4	4.8	4.5	4.6
Social sciences	17.2	17.4	18.3	19.7	19.1	17.4	18.9	17.5	15.9	14.6
Engineering	13.9	15.7	15.7	16.2	20.7	19.6	20.0	20.0	22.4	23.0
Aeronautical/astronautical engineering	0.3	0.1	0.3	0.2	0.4	0.5	0.7	0.5	0.6	0.3
Chemical engineering	2.8	3.4	2.7	2.6	4.0	3.8	3.7	3.3	3.9	3.2
Civil engineering	1.4	2.2	1.6	2.0	2.1	2.8	2.5	2.5	3.2	2.8
Electrical engineering	2.4	3.0	3.8	4.7	6.5	4.5	5.0	5.7	5.6	6.6
Industrial engineering	0.7	0.8	0.7	0.8	0.8	1.4	1.4	0.9	0.6	1.0
Materials/metallurgical engineering	2.2	1.7	1.9	1.4	2.5	1.5	2.4	2.0	2.4	2.5
Mechanical engineering	1.9	1.6	1.9	1.9	2.5	2.4	1.9	2.0	2.6	2.5
Other engineering	2.2	2.8	2.9	2.6	2.0	2.8	2.3	3.2	3.5	4.0
Non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Science	67.8	68.6	70.8	69.1	66.5	67.0	66.5	65.0	64.9	64.2
Agricultural sciences	5.1	5.8	6.1	5.6	4.7	5.2	4.9	4.5	3.9	3.4
Biological sciences	19.5	19.2	19.7	19.3	17.2	18.1	17.5	16.8	16.8	16.8
Computer sciences	4.3	4.2	4.5	4.8	4.5	4.7	4.6	5.0	5.8	7.0
Earth, atmospheric, and ocean sciences	2.9	2.6	3.0	2.3	2.7	2.9	2.5	2.4	2.2	2.1
Mathematics	5.5	5.5	5.7	5.5	5.3	5.3	5.1	5.7	5.8	5.7
Physical sciences	14.8	15.4	15.3	14.9	15.0	14.3	14.4	14.4	14.6	14.7
Astronomy	0.4	0.7	0.5	0.6	0.6	0.4	0.4	0.5	0.5	0.5
Chemistry	8.2	8.5	8.7	8.5	8.4	7.8	8.3	7.8	7.6	8.2
Physics	6.1	6.2	6.2	5.8	6.0	6.1	5.7	6.1	6.4	6.0
Psychology	2.3	2.6	2.5	2.6	2.5	2.6	2.8	2.5	2.5	2.5
Social sciences	13.5	13.2	13.9	14.1	14.6	13.9	14.7	13.7	13.4	12.0
Engineering	32.2	31.4	29.2	30.9	33.5	33.0	33.5	35.0	35.1	35.8
Aeronautical/astronautical engineering	1.1	0.9	1.0	0.9	1.0	1.3	1.3	1.2	1.0	1.0
Chemical engineering	4.4	4.3	3.6	3.9	3.9	4.1	3.8	3.8	4.4	3.9
Civil engineering	4.0	3.8	3.4	3.5	3.8	4.4	4.4	4.5	4.5	4.3
Electrical engineering	9.2	9.0	8.6	9.9	11.1	10.2	10.6	11.2	11.2	12.2
Industrial engineering	1.4	1.4	1.4	1.1	1.4	1.6	1.6	1.5	1.3	1.2
Materials/metallurgical engineering	2.9	2.8	2.6	2.2	3.0	2.3	3.0	2.9	2.9	2.9
Mechanical engineering	5.4	5.5	4.7	5.4	5.8	5.7	5.2	5.4	5.5	5.9
Other engineering	3.7	3.8	3.9	3.9	3.5	3.3	3.6	4.4	4.2	4.3
Male non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	62.1	63.1	65.8	63.7	61.1	61.5	60.4	58.6	59.4	57.7
Agricultural sciences	5.1	5.7	6.1	5.5	4.4	5.2	4.5	3.9	3.7	2.9
Biological sciences	15.0	15.0	16.1	15.2	13.3	14.2	13.6	12.8	12.1	12.1
Computer sciences	4.9	5.0	5.1	5.5	5.3	5.2	5.2	5.7	6.6	7.9
Earth, atmospheric, and ocean sciences	3.0	2.8	3.2	2.3	2.8	3.2	2.5	2.4	2.2	2.0
Mathematics	5.8	5.8	6.1	5.9	5.4	5.3	5.3	5.7	5.8	5.6
Physical sciences	14.8	15.5	15.6	15.5	15.7	14.6	15.0	14.9	15.6	15.5
Astronomy	0.4	0.6	0.5	0.7	0.7	0.5	0.4	0.5	0.6	0.5
Chemistry	7.6	7.7	8.0	8.2	8.0	7.1	7.9	7.2	7.4	7.8
Physics	6.8	7.2	7.1	6.6	7.1	7.0	6.7	7.3	7.6	7.1
Psychology	1.1	1.3	1.4	1.5	1.4	1.4	1.4	1.2	1.2	1.1
Social sciences	12.5	12.0	12.3	12.4	12.8	12.5	12.9	11.9	12.1	10.6
Engineering	37.9	36.9	34.2	36.3	38.9	38.5	39.6	41.4	40.6	42.3
Aeronautical/astronautical engineering	1.4	1.1	1.3	1.2	1.3	1.6	1.5	1.5	1.3	1.3
Chemical engineering	5.0	4.7	4.0	4.4	4.1	4.3	4.1	4.1	4.7	4.2
Civil engineering	4.7	4.4	4.1	4.1	4.4	5.0	5.3	5.3	5.0	5.1
Electrical engineering	11.1	10.9	10.3	11.8	13.0	12.5	13.0	13.5	13.5	15.0
Industrial engineering	1.6	1.6	1.6	1.3	1.6	1.8	1.7	1.7	1.5	1.3
Materials/metallurgical engineering	3.2	3.2	2.9	2.6	3.2	2.7	3.3	3.3	3.2	3.2
Mechanical engineering	6.6	6.7	5.7	6.6	7.2	7.0	6.5	6.9	6.8	7.6
Other engineering	4.3	4.2	4.3	4.3	4.1	3.6	4.1	4.9	4.6	4.6
Female non-U.S. citizen	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	86.5	85.4	85.5	84.3	81.0	81.3	81.3	81.0	78.5	78.4
Agricultural sciences	5.2	6.1	6.2	5.8	5.8	5.3	6.1	5.9	4.4	4.4
Biological sciences	34.3	32.1	30.4	30.9	27.4	28.3	27.1	26.6	28.1	27.1
Computer sciences	2.4	1.7	2.8	2.6	2.4	3.3	3.2	3.3	3.6	4.9
Earth, atmospheric, and ocean sciences	2.3	2.3	2.5	2.4	2.3	2.2	2.3	2.5	2.3	2.3
Mathematics	4.8	4.6	4.6	4.3	5.1	5.4	4.6	5.7	5.7	6.0
Physical sciences	14.6	15.2	14.7	13.2	13.2	13.5	12.9	13.1	12.2	13.0
Astronomy	0.5	0.9	0.4	0.3	0.4	0.2	0.4	0.5	0.4	0.5
Chemistry	10.2	11.2	10.8	9.3	9.6	9.5	9.1	9.4	8.3	9.1
Physics	3.9	3.1	3.4	3.6	3.2	3.8	3.3	3.2	3.5	3.4
Psychology	6.1	6.5	5.9	5.9	5.5	5.7	6.1	5.7	5.6	5.5

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Social sciences	16.8	16.9	18.6	19.1	19.4	17.7	19.1	18.2	16.7	15.2
Engineering	13.5	14.6	14.5	15.7	19.0	18.7	18.7	19.0	21.5	21.6
Aeronautical/astronautical engineering	0.2	0.1	0.2	0.2	0.4	0.4	0.7	0.4	0.5	0.3
Chemical engineering	2.6	3.0	2.4	2.4	3.6	3.6	3.1	3.1	3.8	3.1
Civil engineering	1.5	2.0	1.5	1.8	2.0	2.6	2.3	2.4	3.2	2.7
Electrical engineering	3.0	3.2	3.6	4.7	6.1	4.4	4.8	5.3	5.5	6.1
Industrial engineering	0.6	0.7	0.6	0.7	0.8	1.3	1.3	0.8	0.6	0.9
Materials/metallurgical engineering	2.0	1.8	1.7	1.4	2.2	1.3	2.3	1.9	2.2	2.3
Mechanical engineering	1.7	1.5	1.7	1.9	2.1	2.3	1.9	1.8	2.4	2.4
Other engineering	2.0	2.3	2.7	2.7	1.9	2.8	2.3	3.2	3.2	3.9
Citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	82.9	76.3	77.9	74.8	78.3	80.9	83.6	79.8	75.2	73.2
Agricultural sciences	3.5	3.1	1.6	2.9	5.6	6.1	6.1	4.4	4.2	3.6
Biological sciences	15.9	16.4	15.2	16.8	16.5	20.7	20.4	19.8	18.9	19.6
Computer sciences	4.4	3.1	2.9	3.2	3.5	2.8	3.6	3.1	4.2	4.8
Earth, atmospheric, and ocean sciences	2.7	2.4	2.9	3.2	2.4	2.4	2.7	1.7	2.4	2.7
Mathematics	4.0	4.8	2.9	2.8	3.8	2.6	3.1	2.7	3.9	2.7
Physical sciences	13.9	13.3	15.5	13.2	10.1	11.3	10.5	9.8	12.5	12.8
Astronomy	0.2	0.6	0.4	0.3	0.8	0.3	0.3	0.2	0.2	0.7
Chemistry	8.3	7.3	9.2	8.3	6.2	7.0	7.4	5.9	7.4	8.8
Physics	5.4	5.4	5.9	4.5	3.1	4.0	2.9	3.6	4.9	3.3
Psychology	22.2	18.6	19.8	18.6	20.8	18.0	19.2	25.5	14.2	13.7
Social sciences	16.3	14.5	17.0	14.1	15.7	17.0	17.9	12.7	14.8	13.1
Engineering	17.1	23.7	22.1	25.2	21.7	19.1	16.4	20.2	24.8	26.8
Aeronautical/astronautical engineering	0.6	1.5	1.1	1.1	1.1	0.8	0.8	0.6	0.4	2.0
Chemical engineering	1.1	2.3	1.9	3.0	2.7	3.1	1.3	3.2	4.5	3.0
Civil engineering	1.4	2.9	1.7	1.3	2.0	2.2	1.4	2.0	1.9	3.0
Electrical engineering	5.1	6.6	6.7	9.3	6.7	4.6	4.1	6.7	6.2	6.9
Industrial engineering	0.7	0.6	0.4	0.4	0.6	1.1	0.4	0.4	1.2	1.3
Materials/metallurgical engineering	1.7	1.9	1.3	2.2	1.8	1.8	1.2	1.5	1.9	2.7
Mechanical engineering	2.6	4.2	3.3	2.9	2.5	2.8	3.0	2.1	3.1	3.1
Other engineering	3.8	3.6	5.8	5.0	4.3	2.8	4.1	3.9	5.7	4.8
Male, citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	78.2	69.9	73.0	69.0	71.1	77.6	76.6	73.2	68.5	66.9
Agricultural sciences	3.8	3.8	1.4	3.8	6.0	6.9	5.6	4.9	4.3	3.5
Biological sciences	15.5	15.5	14.1	15.1	15.7	20.5	20.2	20.2	15.7	17.6
Computer sciences	4.5	3.1	3.4	4.0	4.2	3.5	4.5	3.3	5.1	5.7
Earth, atmospheric, and ocean sciences	3.5	3.0	3.1	4.2	2.2	3.2	3.4	2.6	2.7	2.9
Mathematics	4.6	5.4	3.6	3.0	4.7	2.9	4.1	3.6	4.5	3.1
Physical sciences	17.3	14.6	19.9	15.4	11.4	14.2	11.1	12.3	14.9	14.7
Astronomy	0.3	1.0	0.8	0.5	0.8	0.2	0.4	0.4	0.1	0.9
Chemistry	9.9	7.1	10.8	8.9	6.6	8.4	6.9	7.5	8.4	9.4
Physics	7.1	6.5	8.3	5.9	3.9	5.6	3.8	4.4	6.4	4.4
Psychology	12.6	10.9	11.6	11.2	11.0	10.1	10.7	13.9	8.0	6.8
Social sciences	16.4	13.5	15.9	12.4	15.9	16.2	16.9	12.5	13.4	12.6
Engineering	21.8	30.1	27.0	31.0	28.9	22.4	23.4	26.8	31.5	33.1
Aeronautical/astronautical engineering	0.7	2.2	1.4	1.1	1.5	1.0	1.3	0.7	0.6	2.6
Chemical engineering	1.3	2.9	2.5	4.0	2.8	3.2	2.0	3.8	5.3	3.5
Civil engineering	2.0	3.8	2.6	1.3	2.8	2.5	2.1	2.4	2.5	3.6
Electrical engineering	7.3	8.2	7.7	11.7	9.8	5.7	6.2	8.9	8.5	9.3
Industrial engineering	1.0	0.8	0.6	0.3	0.5	0.7	0.6	0.4	0.8	1.6
Materials/metallurgical engineering	2.2	2.5	1.4	3.0	2.7	2.3	1.7	2.1	2.7	3.0
Mechanical engineering	3.6	5.0	3.9	3.9	3.4	3.7	4.2	3.3	4.8	4.1
Other engineering	3.8	4.8	7.0	5.7	5.3	3.3	5.4	5.2	6.3	5.4

TABLE 4. Percentage distribution of science and engineering doctorates awarded, by sex, citizenship status, and major field of study of recipients: 1997–2006

Characteristic and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Female, citizenship unknown	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.6	88.6	90.0	88.9	90.2	87.5	94.6	89.5	88.3	84.7
Agricultural sciences	3.3	2.4	1.1	1.3	4.0	4.0	6.9	3.8	3.9	4.2
Biological sciences	16.7	18.2	17.2	20.5	17.3	22.4	20.8	19.2	24.8	22.9
Computer sciences	2.8	3.1	1.1	1.5	2.2	1.4	2.2	2.7	2.5	3.5
Earth, atmospheric, and ocean sciences	1.9	1.2	2.5	1.0	2.9	1.2	1.6	0.5	2.2	2.3
Mathematics	2.6	3.3	2.2	2.8	2.7	2.0	1.6	1.3	2.9	2.3
Physical sciences	9.6	10.2	8.3	9.6	7.8	6.9	9.6	5.8	8.6	9.2
Astronomy	0.2	0.0	0.0	0.0	0.9	0.4	0.0	0.0	0.4	0.2
Chemistry	6.8	6.9	7.2	7.3	5.1	5.2	8.3	3.3	6.1	7.6
Physics	2.6	3.3	1.1	2.3	1.8	1.2	1.3	2.5	2.2	1.4
Psychology	41.9	33.9	38.1	34.4	37.9	31.9	32.6	43.0	25.9	26.0
Social sciences	14.8	16.4	19.4	17.7	15.5	17.7	19.4	13.1	17.6	14.6
Engineering	6.4	11.4	10.0	11.1	9.8	12.5	5.4	10.5	11.7	15.3
Aeronautical/astronautical engineering	0.0	0.2	0.6	0.8	0.4	0.6	0.0	0.4	0.0	0.7
Chemical engineering	0.5	0.9	1.1	0.8	2.0	2.8	0.2	2.4	2.9	2.1
Civil engineering	0.2	0.7	0.6	0.8	0.7	1.6	0.2	1.3	0.9	2.1
Electrical engineering	1.9	3.1	3.3	3.5	2.0	1.8	0.9	3.4	2.0	2.3
Industrial engineering	0.2	0.5	0.0	0.5	0.4	1.6	0.2	0.4	1.3	0.9
Materials/metallurgical engineering	0.2	0.7	0.3	0.8	0.4	1.0	0.4	0.5	0.4	2.3
Mechanical engineering	0.9	3.3	1.4	1.3	0.9	1.0	1.1	0.4	0.4	1.2
Other engineering	2.4	1.9	2.8	2.8	2.9	2.0	2.2	1.8	3.9	3.8

NOTES: Persons whose sex is unknown are included in totals but are not shown separately. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	31,086	31,195	30,304	29,938	28,874	27,712	28,145	28,010	27,925	28,746
Science and engineering	18,393	18,288	17,570	17,117	16,350	15,535	15,740	15,746	16,024	16,712
Science	15,061	15,241	14,679	14,544	13,895	13,368	13,562	13,558	13,739	14,227
Agricultural sciences	620	591	561	559	506	492	562	566	557	577
Biological sciences	4,256	4,319	4,123	4,268	4,252	4,117	4,061	4,197	4,392	4,467
Computer sciences	520	563	493	458	429	422	446	447	469	579
Earth, atmospheric, and ocean sciences	555	533	471	474	411	433	451	438	442	473
Mathematics	629	673	605	574	528	444	517	511	542	615
Physical sciences	2,479	2,442	2,265	2,072	2,035	1,924	1,951	1,858	1,899	1,993
Astronomy	158	147	117	139	124	106	130	115	120	123
Chemistry	1,438	1,471	1,406	1,241	1,233	1,229	1,266	1,184	1,212	1,266
Physics	883	824	742	692	678	589	555	559	567	604
Psychology	3,125	3,274	3,293	3,231	2,991	2,802	2,859	2,788	2,892	2,798
Social sciences	2,877	2,846	2,868	2,908	2,743	2,734	2,715	2,753	2,546	2,725
Engineering	3,332	3,047	2,891	2,573	2,455	2,167	2,178	2,188	2,285	2,485
Aeronautical/astronautical engineering	168	153	112	127	102	92	80	77	98	89
Chemical engineering	409	374	371	383	362	335	292	314	331	377
Civil engineering	327	297	312	261	270	248	269	224	252	243
Electrical engineering	940	805	766	649	566	507	502	501	566	553
Industrial engineering	119	101	99	77	89	81	71	77	75	70
Materials/metallurgical engineering	315	313	261	244	225	175	200	211	194	233
Mechanical engineering	538	517	464	396	428	343	333	298	324	383
Other engineering	516	487	506	436	413	386	431	486	445	537
Non-science and engineering	12,693	12,907	12,734	12,821	12,524	12,177	12,405	12,264	11,901	12,034
Education	5,748	5,748	5,817	5,686	5,462	5,415	5,648	5,452	5,249	5,109
Health	1,028	1,154	1,049	1,194	1,131	1,194	1,223	1,266	1,290	1,352
Humanities	4,238	4,330	4,295	4,393	4,394	4,129	4,139	4,056	3,860	4,027
Professional/other/unknown	1,679	1,675	1,573	1,548	1,537	1,439	1,395	1,490	1,502	1,546
American Indian/Alaska Native, all fields	167	189	214	169	151	150	137	131	140	119
Science and engineering	79	96	114	88	73	69	73	60	67	48
Science	62	83	102	80	67	63	61	54	58	44
Agricultural sciences	5	9	1	5	0	2	4	4	3	3
Biological sciences	7	12	20	17	15	12	11	14	12	6
Computer sciences	1	4	1	1	1	2	2	2	1	2
Earth, atmospheric, and ocean sciences	3	3	6	4	0	0	2	4	4	1
Mathematics	1	3	1	2	2	3	2	0	0	0
Physical sciences	9	9	9	9	12	7	2	5	4	4
Astronomy	1	1	1	1	1	0	0	0	0	0
Chemistry	6	7	5	7	11	5	2	4	2	3
Physics	2	1	3	1	0	2	0	1	2	1
Psychology	18	31	35	22	17	15	22	12	15	15
Social sciences	18	12	29	20	20	22	16	13	19	13
Engineering	17	13	12	8	6	6	12	6	9	4
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	4	3	2	1	1	1	1	2	0	0
Civil engineering	2	0	2	1	0	0	1	3	0	0
Electrical engineering	5	3	1	0	1	0	5	1	3	1
Industrial engineering	0	0	0	0	0	1	0	0	0	0
Materials/metallurgical engineering	0	2	2	0	1	1	0	0	0	0
Mechanical engineering	6	2	2	3	1	1	1	0	4	3
Other engineering	0	3	3	3	2	2	4	0	1	0
Non-science and engineering	88	93	100	81	78	81	64	71	73	71
Education	51	50	58	51	43	46	40	47	42	35
Health	6	4	6	4	6	3	2	3	4	6
Humanities	19	21	21	20	21	20	15	13	21	21
Professional/other/unknown	12	18	15	6	8	12	7	8	6	9

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	3,109	2,728	2,497	2,274	2,188	2,118	2,045	2,059	2,183	2,384
Science and engineering	2,528	2,156	1,932	1,707	1,635	1,620	1,529	1,494	1,634	1,766
Science	1,821	1,599	1,419	1,267	1,208	1,211	1,182	1,140	1,230	1,328
Agricultural sciences	73	55	50	36	25	29	26	31	22	29
Biological sciences	721	663	608	539	547	561	530	490	536	539
Computer sciences	107	91	87	76	64	87	81	72	92	126
Earth, atmospheric, and ocean sciences	61	45	35	23	27	24	22	11	18	24
Mathematics	97	72	56	70	51	28	51	54	67	70
Physical sciences	398	334	252	202	200	193	184	164	196	183
Astronomy	8	13	3	13	6	11	8	8	7	9
Chemistry	233	210	183	121	126	122	112	112	124	125
Physics	157	111	66	68	68	60	64	44	65	49
Psychology	126	113	132	145	114	121	119	152	132	171
Social sciences	238	226	199	176	180	168	169	166	167	186
Engineering	707	557	513	440	427	409	347	354	404	438
Aeronautical/astronautical engineering	16	13	13	11	12	11	7	9	9	15
Chemical engineering	73	65	58	70	53	70	46	58	46	62
Civil engineering	72	38	46	43	38	29	20	34	33	42
Electrical engineering	256	206	172	141	137	131	134	109	144	132
Industrial engineering	22	11	7	11	22	10	14	10	14	7
Materials/metallurgical engineering	59	55	53	34	37	33	23	31	28	37
Mechanical engineering	113	91	88	72	75	70	51	47	50	57
Other engineering	96	78	76	58	53	55	52	56	80	86
Non-science and engineering	581	572	565	567	553	498	516	565	549	618
Education	180	177	168	174	147	139	150	155	154	177
Health	87	83	87	99	100	91	85	94	114	118
Humanities	180	192	193	176	182	171	183	206	186	203
Professional/other/unknown	134	120	117	118	124	97	98	110	95	120
Black/African American, all fields	1,475	1,603	1,764	1,750	1,731	1,756	1,799	1,984	1,798	1,789
Science and engineering	615	643	716	710	703	688	664	751	706	741
Science	517	562	618	629	611	603	587	657	606	638
Agricultural sciences	26	21	27	22	14	13	22	20	16	24
Biological sciences	112	111	116	118	139	125	108	149	159	148
Computer sciences	4	14	19	18	15	17	17	17	15	15
Earth, atmospheric, and ocean sciences	6	5	11	4	5	5	13	7	6	5
Mathematics	7	16	12	14	19	14	16	10	22	20
Physical sciences	51	56	66	61	55	67	55	60	55	48
Astronomy	2	1	2	1	1	1	1	0	2	0
Chemistry	35	45	56	44	42	44	42	47	41	35
Physics	14	10	8	16	12	22	12	13	12	13
Psychology	152	158	172	189	174	170	169	206	164	176
Social sciences	159	181	195	203	190	192	187	188	169	202
Engineering	98	81	98	81	92	85	77	94	100	103
Aeronautical/astronautical engineering	3	1	1	4	1	2	1	1	2	1
Chemical engineering	16	3	11	8	17	12	9	10	14	13
Civil engineering	10	9	6	6	11	13	9	7	9	14
Electrical engineering	31	23	30	21	22	16	21	33	31	20
Industrial engineering	9	8	7	4	6	4	3	3	8	10
Materials/metallurgical engineering	4	10	7	5	6	5	4	6	5	11
Mechanical engineering	12	13	12	18	17	17	9	17	11	15
Other engineering	13	14	24	15	12	16	21	17	20	19
Non-science and engineering	860	960	1,048	1,040	1,028	1,068	1,135	1,233	1,092	1,048
Education	553	655	689	695	671	694	760	796	682	634
Health	55	65	57	75	64	73	78	107	122	125
Humanities	142	139	164	158	168	160	154	169	168	160
Professional/other/unknown	110	101	138	112	125	141	143	161	120	129

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic, all fields ^b	1,199	1,330	1,324	1,310	1,266	1,370	1,429	1,301	1,428	1,510
Science and engineering	659	757	722	730	670	723	744	718	802	872
Science	563	647	639	648	579	625	640	630	713	760
Agricultural sciences	27	35	16	29	26	21	25	16	18	27
Biological sciences	147	169	174	174	165	182	176	192	227	225
Computer sciences	16	15	14	14	8	14	11	13	12	7
Earth, atmospheric, and ocean sciences	15	17	20	16	9	14	15	11	18	21
Mathematics	20	27	15	15	15	12	17	26	24	25
Physical sciences	69	54	63	77	65	63	72	62	74	79
Astronomy	3	2	1	3	7	4	3	6	3	3
Chemistry	44	34	46	51	43	38	45	43	55	64
Physics	22	18	16	23	15	21	24	13	16	12
Psychology	171	208	216	211	169	184	170	172	189	210
Social sciences	98	122	121	112	122	135	154	138	151	166
Engineering	96	110	83	82	91	98	104	88	89	112
Aeronautical/astronautical engineering	4	5	0	3	5	3	4	3	6	1
Chemical engineering	7	13	7	18	7	16	16	12	21	22
Civil engineering	12	16	12	9	9	9	13	20	11	13
Electrical engineering	26	31	30	22	22	31	23	15	15	19
Industrial engineering	5	7	4	0	3	6	4	3	2	6
Materials/metallurgical engineering	10	8	8	8	9	7	13	7	10	13
Mechanical engineering	14	19	9	12	21	12	13	10	13	11
Other engineering	18	11	13	10	15	14	18	18	11	27
Non-science and engineering	540	573	602	580	596	647	685	583	626	638
Education	257	290	303	285	275	321	338	273	292	288
Health	32	37	46	34	28	33	44	46	43	47
Humanities	208	198	197	208	230	242	247	207	208	228
Professional/other/unknown	43	48	56	53	63	51	56	57	83	75
Mexican American, all fields	306	424	350	415	402	413	482	458	519	536
Science and engineering	161	223	164	214	187	186	224	232	248	285
Science	143	193	151	188	169	169	205	208	224	252
Agricultural sciences	2	10	3	7	5	7	8	6	3	9
Biological sciences	44	54	41	46	47	53	55	58	71	72
Computer sciences	2	3	1	4	2	3	3	3	3	1
Earth, atmospheric, and ocean sciences	3	5	5	4	4	4	0	3	3	6
Mathematics	3	6	7	8	6	2	5	8	8	11
Physical sciences	15	21	16	23	16	15	26	21	20	22
Astronomy	0	1	0	1	3	1	1	2	2	3
Chemistry	9	15	9	17	7	7	19	14	11	15
Physics	6	5	7	5	6	7	6	5	7	4
Psychology	49	53	43	61	56	50	52	53	62	66
Social sciences	25	41	35	35	33	35	56	56	54	65
Engineering	18	30	13	26	18	17	19	24	24	33
Aeronautical/astronautical engineering	1	3	0	0	1	1	1	2	3	0
Chemical engineering	3	1	0	4	0	3	4	3	6	4
Civil engineering	2	5	3	4	1	1	1	5	1	4
Electrical engineering	5	7	4	4	8	4	3	5	3	6
Industrial engineering	0	3	1	0	0	0	0	0	0	0
Materials/metallurgical engineering	4	4	1	3	3	1	7	4	3	5
Mechanical engineering	2	3	1	6	4	3	2	0	6	4
Other engineering	1	4	3	5	1	4	1	5	2	10
Non-science and engineering	145	201	186	201	215	227	258	226	271	251
Education	90	116	103	115	116	140	159	131	146	141
Health	7	15	16	11	6	9	13	9	20	16
Humanities	38	59	49	62	70	65	66	70	77	70
Professional/other/unknown	10	11	18	13	23	13	20	16	28	24

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Puerto Rican, all fields	314	308	334	326	296	345	260	259	263	321
Science and engineering	172	173	183	183	149	196	147	140	160	205
Science	149	156	160	163	136	170	128	121	144	167
Agricultural sciences	4	3	1	6	6	9	3	4	5	7
Biological sciences	37	43	46	33	48	56	34	51	53	49
Computer sciences	6	2	6	4	1	4	2	4	0	1
Earth, atmospheric, and ocean sciences	6	5	5	5	1	3	4	5	5	5
Mathematics	4	7	2	2	2	3	3	2	5	4
Physical sciences	20	11	22	20	14	20	17	16	17	27
Astronomy	0	1	0	0	0	1	1	0	0	0
Chemistry	13	9	18	19	11	11	14	15	16	24
Physics	7	1	4	1	3	8	2	1	1	3
Psychology	56	71	57	74	39	50	47	19	37	56
Social sciences	16	14	21	19	25	25	18	20	22	18
Engineering	23	17	23	20	13	26	19	19	16	38
Aeronautical/astronautical engineering	0	1	0	0	1	0	2	0	1	1
Chemical engineering	1	3	2	5	2	8	4	1	5	14
Civil engineering	5	1	2	2	2	1	4	7	2	6
Electrical engineering	4	3	11	6	2	7	4	4	2	4
Industrial engineering	2	3	1	0	2	3	0	1	1	3
Materials/metallurgical engineering	1	1	3	3	1	2	0	0	2	3
Mechanical engineering	6	5	2	2	1	3	2	3	1	3
Other engineering	4	0	2	2	2	2	3	3	2	4
Non-science and engineering	142	135	151	143	147	149	113	119	103	116
Education	72	77	90	75	87	80	52	56	42	55
Health	10	7	11	9	5	9	4	16	6	7
Humanities	49	37	31	44	41	50	42	35	35	34
Professional/other/unknown	11	14	19	15	14	10	15	12	20	20
Other Hispanic, all fields	579	598	640	569	568	612	687	584	646	653
Science and engineering	326	361	375	333	334	341	373	346	394	382
Science	271	298	328	297	274	286	307	301	345	341
Agricultural sciences	21	22	12	16	15	5	14	6	10	11
Biological sciences	66	72	87	95	70	73	87	83	103	104
Computer sciences	8	10	7	6	5	7	6	6	9	5
Earth, atmospheric, and ocean sciences	6	7	10	7	4	7	11	3	10	10
Mathematics	13	14	6	5	7	7	9	16	11	10
Physical sciences	34	22	25	34	35	28	29	25	37	30
Astronomy	3	0	1	2	4	2	1	4	1	0
Chemistry	22	10	19	15	25	20	12	14	28	25
Physics	9	12	5	17	6	6	16	7	8	5
Psychology	66	84	116	76	74	84	71	100	90	88
Social sciences	57	67	65	58	64	75	80	62	75	83
Engineering	55	63	47	36	60	55	66	45	49	41
Aeronautical/astronautical engineering	3	1	0	3	3	2	1	1	2	0
Chemical engineering	3	9	5	9	5	5	8	8	10	4
Civil engineering	5	10	7	3	6	7	8	8	8	3
Electrical engineering	17	21	15	12	12	20	16	6	10	9
Industrial engineering	3	1	2	0	1	3	4	2	1	3
Materials/metallurgical engineering	5	3	4	2	5	4	6	3	5	5
Mechanical engineering	6	11	6	4	16	6	9	7	6	4
Other engineering	13	7	8	3	12	8	14	10	7	13
Non-science and engineering	253	237	265	236	234	271	314	238	252	271
Education	95	97	110	95	72	101	127	86	104	92
Health	15	15	19	14	17	15	27	21	17	24
Humanities	121	102	117	102	119	127	139	102	96	124

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	22	23	19	25	26	28	21	29	35	31
White, all fields	23,965	24,286	23,901	23,713	22,671	21,434	21,547	21,423	21,479	21,949
Science and engineering	13,828	14,011	13,721	13,444	12,746	11,930	12,029	12,033	12,268	12,672
Science	11,540	11,841	11,610	11,554	10,990	10,451	10,469	10,485	10,662	10,949
Agricultural sciences	466	454	456	452	430	417	465	470	486	479
Biological sciences	3,157	3,249	3,128	3,307	3,261	3,122	3,061	3,189	3,332	3,401
Computer sciences	361	413	356	337	325	292	308	320	323	407
Earth, atmospheric, and ocean sciences	449	443	387	411	354	374	379	379	384	406
Mathematics	479	528	506	464	429	371	407	399	413	475
Physical sciences	1,869	1,901	1,829	1,674	1,636	1,534	1,537	1,468	1,500	1,620
Astronomy	132	120	109	115	104	86	104	93	100	107
Chemistry	1,078	1,129	1,090	988	974	987	1,003	922	956	1,002
Physics	659	652	630	571	558	461	430	453	444	511
Psychology	2,523	2,646	2,701	2,607	2,420	2,236	2,264	2,137	2,285	2,119
Social sciences	2,236	2,207	2,247	2,302	2,135	2,105	2,048	2,123	1,939	2,042
Engineering	2,288	2,170	2,111	1,890	1,756	1,479	1,560	1,548	1,606	1,723
Aeronautical/astronautical engineering	137	126	97	107	79	74	66	60	74	65
Chemical engineering	293	275	286	280	273	223	210	218	237	270
Civil engineering	220	217	241	194	194	185	217	156	191	166
Electrical engineering	579	523	510	444	370	305	296	315	352	354
Industrial engineering	80	72	80	59	54	56	47	56	49	46
Materials/metallurgical engineering	234	225	184	190	165	123	154	160	148	162
Mechanical engineering	377	371	336	279	302	227	246	210	238	278
Other engineering	368	361	377	337	319	286	324	373	317	382
Non-science and engineering	10,137	10,275	10,180	10,269	9,925	9,504	9,518	9,390	9,211	9,277
Education	4,460	4,409	4,506	4,375	4,209	4,054	4,162	4,026	3,957	3,836
Health	828	929	837	960	908	968	966	970	968	1,018
Humanities	3,524	3,606	3,619	3,705	3,636	3,386	3,350	3,302	3,135	3,269
Professional/other/unknown	1,325	1,331	1,218	1,229	1,172	1,096	1,040	1,092	1,151	1,154
Other/unknown, all fields ^c	1,171	1,059	604	722	867	884	1,188	1,112	897	995
Science and engineering	684	625	365	438	523	505	701	690	547	613
Science	558	509	291	366	440	415	623	592	470	508
Agricultural sciences	23	17	11	15	11	10	20	25	12	15
Biological sciences	112	115	77	113	125	115	175	163	126	148
Computer sciences	31	26	16	12	16	10	27	23	26	22
Earth, atmospheric, and ocean sciences	21	20	12	16	16	16	20	26	12	16
Mathematics	25	27	15	9	12	16	24	22	16	25
Physical sciences	83	88	46	49	67	60	101	99	70	59
Astronomy	12	10	1	6	5	4	14	8	8	4
Chemistry	42	46	26	30	37	33	62	56	34	37
Physics	29	32	19	13	25	23	25	35	28	18
Psychology	135	118	37	57	97	76	115	109	107	107
Social sciences	128	98	77	95	96	112	141	125	101	116
Engineering	126	116	74	72	83	90	78	98	77	105
Aeronautical/astronautical engineering	8	8	1	2	5	2	2	4	6	7
Chemical engineering	16	15	7	6	11	13	10	14	13	10
Civil engineering	11	17	5	8	18	12	9	4	8	8
Electrical engineering	43	19	23	21	14	24	23	28	21	27
Industrial engineering	3	3	1	3	4	4	3	5	2	1
Materials/metallurgical engineering	8	13	7	7	7	6	6	7	3	10
Mechanical engineering	16	21	17	12	12	16	13	14	8	19
Other engineering	21	20	13	13	12	13	12	22	16	23
Non-science and engineering	487	434	239	284	344	379	487	422	350	382
Education	247	167	93	106	117	161	198	155	122	139

TABLE 5. Doctorates awarded to U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	20	36	16	22	25	26	48	46	39	38
Humanities	165	174	101	126	157	150	190	159	142	146
Professional/other/unknown	55	57	29	30	45	42	51	62	47	59

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	16,881	16,562	15,899	15,293	14,673	13,762	13,911	13,748	13,575	14,136
Science and engineering	11,390	11,087	10,496	9,981	9,466	8,823	8,909	8,893	8,883	9,244
Science	8,571	8,498	8,098	7,900	7,491	7,100	7,172	7,177	7,077	7,337
Agricultural sciences	443	386	376	364	311	310	362	340	333	354
Biological sciences	2,333	2,392	2,259	2,280	2,278	2,198	2,143	2,191	2,223	2,243
Computer sciences	419	439	387	372	331	324	347	345	367	452
Earth, atmospheric, and ocean sciences	404	376	336	329	273	270	298	263	278	295
Mathematics	452	473	413	409	373	309	365	357	391	446
Physical sciences	1,897	1,841	1,718	1,532	1,512	1,393	1,390	1,356	1,337	1,415
Astronomy	132	120	91	104	95	85	100	82	86	86
Chemistry	1,006	1,005	980	819	826	810	849	801	767	824
Physics	759	716	647	609	591	498	441	473	484	505
Psychology	1,014	1,058	1,064	1,052	979	918	894	897	902	779
Social sciences	1,609	1,533	1,545	1,562	1,434	1,378	1,373	1,428	1,246	1,353
Engineering	2,819	2,589	2,398	2,081	1,975	1,723	1,737	1,716	1,806	1,907
Aeronautical/astronautical engineering	156	141	102	113	83	81	69	67	87	78
Chemical engineering	332	297	296	282	269	247	220	234	247	269
Civil engineering	269	239	251	213	204	191	200	158	173	176
Electrical engineering	834	713	685	556	498	441	437	433	485	475
Industrial engineering	91	77	68	59	61	49	49	57	58	41
Materials/metallurgical engineering	244	262	206	190	171	129	155	173	145	172
Mechanical engineering	482	462	404	340	390	299	293	254	281	318
Other engineering	411	398	386	328	299	286	314	340	330	378
Non-science and engineering	5,491	5,475	5,403	5,312	5,207	4,939	5,002	4,855	4,692	4,892
Education	2,051	2,050	2,016	1,926	1,898	1,808	1,862	1,801	1,687	1,763
Health	287	311	329	340	330	337	351	345	364	366
Humanities	2,198	2,220	2,211	2,217	2,160	2,082	2,083	1,992	1,934	2,029
Professional/other/unknown	955	894	847	829	819	712	706	717	707	734
American Indian/Alaska Native, all fields	79	104	96	76	68	69	53	58	58	55
Science and engineering	45	54	59	43	41	36	34	33	35	25
Science	31	45	49	39	37	30	25	29	27	21
Agricultural sciences	5	7	1	4	0	2	3	2	1	1
Biological sciences	4	6	10	10	8	6	3	10	6	4
Computer sciences	0	4	0	1	1	2	2	2	1	2
Earth, atmospheric, and ocean sciences	2	2	3	3	0	0	1	4	1	1
Mathematics	1	1	1	1	1	2	1	0	0	0
Physical sciences	9	8	6	7	10	7	1	4	4	3
Astronomy	1	1	0	0	1	0	0	0	0	0
Chemistry	6	6	3	6	9	5	1	4	2	2
Physics	2	1	3	1	0	2	0	0	2	1
Psychology	6	13	12	3	5	7	8	3	6	3
Social sciences	4	4	16	10	12	4	6	4	8	7
Engineering	14	9	10	4	4	6	9	4	8	4
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	3	0	1	0	1	1	0	1	0	0
Civil engineering	1	0	1	0	0	0	1	2	0	0
Electrical engineering	5	3	1	0	1	0	5	1	3	1
Industrial engineering	0	0	0	0	0	1	0	0	0	0
Materials/metallurgical engineering	0	2	2	0	1	1	0	0	0	0
Mechanical engineering	5	2	2	2	1	1	0	0	3	3
Other engineering	0	2	3	2	0	2	3	0	1	0
Non-science and engineering	34	50	37	33	27	33	19	25	23	30
Education	18	26	19	17	12	16	9	14	8	15
Health	2	1	0	1	2	0	1	0	2	3
Humanities	8	14	11	11	9	12	7	8	10	8
Professional/other/unknown	6	9	7	4	4	5	2	3	3	4

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	1,884	1,640	1,477	1,241	1,186	1,127	1,078	1,004	1,073	1,142
Science and engineering	1,638	1,383	1,217	1,027	952	941	884	817	887	938
Science	1,050	926	789	697	624	631	618	547	583	632
Agricultural sciences	53	30	31	24	12	14	10	8	9	14
Biological sciences	373	370	332	276	280	271	276	230	251	261
Computer sciences	81	68	68	61	44	61	64	53	65	85
Earth, atmospheric, and ocean sciences	43	32	25	14	20	14	14	7	9	11
Mathematics	69	45	36	49	34	23	27	37	39	38
Physical sciences	266	229	159	132	127	132	112	111	130	104
Astronomy	7	10	3	9	6	11	5	5	5	5
Chemistry	140	135	103	67	65	72	62	70	74	65
Physics	119	84	53	56	56	49	45	36	51	34
Psychology	31	29	34	46	25	39	38	26	26	47
Social sciences	134	123	104	95	82	77	77	75	54	72
Engineering	588	457	428	330	328	310	266	270	304	306
Aeronautical/astronautical engineering	16	13	12	11	8	9	5	8	9	12
Chemical engineering	61	46	44	48	34	49	36	40	31	38
Civil engineering	58	32	41	33	29	22	17	23	20	27
Electrical engineering	217	174	146	108	108	105	104	89	121	104
Industrial engineering	21	9	6	9	16	8	11	7	12	3
Materials/metallurgical engineering	43	40	43	23	28	23	17	23	18	22
Mechanical engineering	97	78	77	56	67	55	42	41	43	42
Other engineering	75	65	59	42	38	39	34	39	50	58
Non-science and engineering	246	257	260	214	234	186	194	187	186	204
Education	52	69	65	53	44	40	41	37	44	44
Health	37	35	39	36	36	20	36	30	30	31
Humanities	73	79	82	63	76	70	66	77	67	77
Professional/other/unknown	84	74	74	62	78	56	51	43	45	52
Black/African American, all fields	636	609	700	643	676	676	653	716	661	658
Science and engineering	329	292	347	319	328	316	286	329	311	305
Science	254	233	273	262	261	259	228	269	237	244
Agricultural sciences	20	16	18	11	8	8	14	9	4	16
Biological sciences	52	41	50	44	55	57	44	60	58	57
Computer sciences	3	6	9	13	5	10	12	12	7	11
Earth, atmospheric, and ocean sciences	5	4	7	3	3	5	6	6	5	3
Mathematics	5	9	6	7	12	6	11	7	15	12
Physical sciences	40	25	37	40	35	39	36	35	38	28
Astronomy	1	1	0	0	1	0	1	0	2	0
Chemistry	26	17	33	25	23	22	28	27	26	17
Physics	13	7	4	15	11	17	7	8	10	11
Psychology	41	43	37	45	50	42	43	50	39	35
Social sciences	88	89	109	99	93	92	62	90	71	82
Engineering	75	59	74	57	67	57	58	60	74	61
Aeronautical/astronautical engineering	3	1	0	3	1	2	1	1	2	1
Chemical engineering	10	2	7	3	7	6	6	3	7	6
Civil engineering	10	7	4	5	11	9	7	4	3	10
Electrical engineering	27	19	25	19	21	12	17	24	25	15
Industrial engineering	5	2	4	4	3	3	1	2	7	4
Materials/metallurgical engineering	3	7	4	4	2	3	3	3	5	7
Mechanical engineering	11	13	11	13	16	13	8	14	11	10
Other engineering	6	8	19	6	6	9	15	9	14	8
Non-science and engineering	307	317	353	324	348	360	367	387	350	353
Education	171	192	202	187	211	211	234	235	194	207
Health	15	14	12	14	12	16	17	26	31	26
Humanities	68	67	70	70	65	73	61	71	81	74
Professional/other/unknown	53	44	69	53	60	60	55	55	44	46

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic, all fields ^b	625	685	579	609	568	600	666	596	606	687
Science and engineering	393	431	360	379	336	344	378	355	394	430
Science	320	334	300	310	268	271	297	288	334	351
Agricultural sciences	20	22	9	18	12	13	14	5	8	13
Biological sciences	84	90	98	82	88	68	96	84	114	117
Computer sciences	14	14	11	11	4	12	6	10	9	4
Earth, atmospheric, and ocean sciences	10	11	16	13	4	12	9	6	10	10
Mathematics	14	20	10	8	10	8	10	19	18	15
Physical sciences	54	43	41	52	43	41	49	38	42	49
Astronomy	2	2	1	2	6	3	2	4	1	2
Chemistry	32	25	25	30	26	20	27	22	26	37
Physics	20	16	15	20	11	18	20	12	15	10
Psychology	64	56	58	59	46	55	54	56	62	53
Social sciences	60	78	57	67	61	62	59	70	71	90
Engineering	73	97	60	69	68	73	81	67	60	79
Aeronautical/astronautical engineering	4	4	0	3	5	3	4	3	5	1
Chemical engineering	4	13	3	14	2	9	12	8	14	11
Civil engineering	11	13	6	8	7	9	8	16	9	9
Electrical engineering	20	29	26	21	19	27	19	13	13	18
Industrial engineering	2	5	3	0	0	2	3	3	1	3
Materials/metallurgical engineering	6	5	6	4	4	5	10	6	3	9
Mechanical engineering	11	18	8	11	21	7	12	8	7	10
Other engineering	15	10	8	8	10	11	13	10	8	18
Non-science and engineering	232	254	219	230	232	256	288	241	212	257
Education	93	111	91	99	91	104	119	96	83	92
Health	8	12	15	10	8	9	11	9	13	12
Humanities	107	103	90	98	98	117	132	104	83	117
Professional/other/unknown	24	28	23	23	35	26	26	32	33	36
Mexican American, all fields	161	220	163	209	197	179	213	222	237	253
Science and engineering	91	136	91	127	103	82	110	115	135	155
Science	80	109	82	104	90	71	96	96	119	128
Agricultural sciences	2	7	3	5	3	3	6	2	3	3
Biological sciences	22	32	25	27	30	22	32	30	44	39
Computer sciences	2	3	1	3	2	3	1	3	2	1
Earth, atmospheric, and ocean sciences	2	4	4	3	1	4	0	2	2	2
Mathematics	2	3	5	4	3	1	2	7	6	8
Physical sciences	13	18	11	20	14	9	16	11	16	16
Astronomy	0	1	0	1	3	0	1	1	1	2
Chemistry	7	12	5	14	5	4	10	6	8	10
Physics	6	5	6	5	6	5	5	4	7	4
Psychology	20	18	16	22	20	14	17	14	26	21
Social sciences	17	24	17	20	17	15	22	27	20	38
Engineering	11	27	9	23	13	11	14	19	16	27
Aeronautical/astronautical engineering	1	3	0	0	1	1	1	2	3	0
Chemical engineering	2	1	0	3	0	1	3	3	5	3
Civil engineering	1	4	1	4	0	1	1	4	1	3
Electrical engineering	2	7	3	4	6	4	2	4	2	6
Industrial engineering	0	3	1	0	0	0	0	0	0	0
Materials/metallurgical engineering	2	2	1	1	1	0	5	3	1	4
Mechanical engineering	2	3	1	6	4	1	2	0	3	4
Other engineering	1	4	2	5	1	3	0	3	1	7
Non-science and engineering	70	84	72	82	94	97	103	107	102	98
Education	42	45	35	46	50	51	58	56	48	48
Health	0	1	5	2	1	4	2	3	7	5
Humanities	22	33	27	27	30	35	36	39	34	32
Professional/other/unknown	6	5	5	7	13	7	7	9	13	13

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Puerto Rican, all fields	154	128	140	128	122	148	126	107	98	137
Science and engineering	99	69	87	77	68	92	75	65	68	96
Science	80	53	72	61	59	77	58	48	57	74
Agricultural sciences	3	2	0	3	2	6	0	0	0	5
Biological sciences	21	20	23	11	18	18	21	21	19	21
Computer sciences	6	1	5	4	1	4	2	2	0	1
Earth, atmospheric, and ocean sciences	4	2	4	5	1	3	4	2	3	3
Mathematics	3	4	2	1	2	3	1	1	4	3
Physical sciences	18	6	13	10	10	16	11	7	7	14
Astronomy	0	1	0	0	0	1	0	0	0	0
Chemistry	11	4	9	9	8	7	9	6	6	11
Physics	7	1	4	1	2	8	2	1	1	3
Psychology	20	12	16	14	9	14	10	4	13	15
Social sciences	5	6	9	13	16	13	9	11	11	12
Engineering	19	16	15	16	9	15	17	17	11	22
Aeronautical/astronautical engineering	0	1	0	0	1	0	2	0	0	1
Chemical engineering	1	3	1	3	0	3	4	0	3	5
Civil engineering	5	1	1	2	2	1	3	7	2	3
Electrical engineering	3	3	9	6	2	6	4	3	2	4
Industrial engineering	1	2	0	0	0	1	0	1	1	2
Materials/metallurgical engineering	0	1	2	2	1	2	0	0	1	1
Mechanical engineering	6	5	2	2	1	1	1	3	1	3
Other engineering	3	0	0	1	2	1	3	3	1	3
Non-science and engineering	55	59	53	51	54	56	51	42	30	41
Education	21	28	24	24	26	26	17	17	12	15
Health	3	3	5	3	2	2	0	2	0	3
Humanities	26	20	14	19	18	25	29	17	12	14
Professional/other/unknown	5	8	10	5	8	3	5	6	6	9
Other Hispanic, all fields	310	337	276	272	249	273	327	267	271	297
Science and engineering	203	226	182	175	165	170	193	175	191	179
Science	160	172	146	145	119	123	143	144	158	149
Agricultural sciences	15	13	6	10	7	4	8	3	5	5
Biological sciences	41	38	50	44	40	28	43	33	51	57
Computer sciences	6	10	5	4	1	5	3	5	7	2
Earth, atmospheric, and ocean sciences	4	5	8	5	2	5	5	2	5	5
Mathematics	9	13	3	3	5	4	7	11	8	4
Physical sciences	23	19	17	22	19	16	22	20	19	19
Astronomy	2	0	1	1	3	2	1	3	0	0
Chemistry	14	9	11	7	13	9	8	10	12	16
Physics	7	10	5	14	3	5	13	7	7	3
Psychology	24	26	26	23	17	27	27	38	23	17
Social sciences	38	48	31	34	28	34	28	32	40	40
Engineering	43	54	36	30	46	47	50	31	33	30
Aeronautical/astronautical engineering	3	0	0	3	3	2	1	1	2	0
Chemical engineering	1	9	2	8	2	5	5	5	6	3
Civil engineering	5	8	4	2	5	7	4	5	6	3
Electrical engineering	15	19	14	11	11	17	13	6	9	8
Industrial engineering	1	0	2	0	0	1	3	2	0	1
Materials/metallurgical engineering	4	2	3	1	2	3	5	3	1	4
Mechanical engineering	3	10	5	3	16	5	9	5	3	3
Other engineering	11	6	6	2	7	7	10	4	6	8
Non-science and engineering	107	111	94	97	84	103	134	92	80	118
Education	30	38	32	29	15	27	44	23	23	29
Health	5	8	5	5	5	3	9	4	6	4

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	59	50	49	52	50	57	67	48	37	71
Professional/other/unknown	13	15	8	11	14	16	14	17	14	14
White, all fields	12,996	12,892	12,682	12,310	11,697	10,824	10,824	10,773	10,734	11,087
Science and engineering	8,559	8,514	8,263	7,933	7,489	6,885	6,897	6,935	6,951	7,189
Science	6,603	6,651	6,504	6,377	6,051	5,683	5,638	5,704	5,640	5,818
Agricultural sciences	331	300	309	294	273	266	308	299	305	300
Biological sciences	1,758	1,811	1,726	1,797	1,772	1,730	1,612	1,722	1,726	1,725
Computer sciences	295	329	285	275	265	232	243	250	265	328
Earth, atmospheric, and ocean sciences	330	310	277	287	232	234	256	227	246	257
Mathematics	344	378	347	338	309	259	297	274	307	366
Physical sciences	1,462	1,459	1,438	1,260	1,245	1,124	1,116	1,086	1,070	1,187
Astronomy	110	96	86	89	77	68	80	67	72	76
Chemistry	773	785	797	665	678	666	688	635	617	677
Physics	579	578	555	506	490	390	348	384	381	434
Psychology	833	882	912	882	821	751	713	732	734	611
Social sciences	1,250	1,182	1,210	1,244	1,134	1,087	1,093	1,114	987	1,044
Engineering	1,956	1,863	1,759	1,556	1,438	1,202	1,259	1,231	1,311	1,371
Aeronautical/astronautical engineering	125	115	89	94	65	66	58	53	66	57
Chemical engineering	241	223	236	213	214	171	160	170	187	206
Civil engineering	180	172	194	160	143	144	159	110	136	126
Electrical engineering	525	470	466	389	336	275	272	279	311	312
Industrial engineering	60	58	54	43	38	33	32	40	37	31
Materials/metallurgical engineering	184	196	144	153	130	93	121	135	118	125
Mechanical engineering	344	334	291	246	275	207	219	179	210	236
Other engineering	297	295	285	258	237	213	238	265	246	278
Non-science and engineering	4,437	4,378	4,419	4,377	4,208	3,939	3,927	3,838	3,783	3,898
Education	1,623	1,585	1,603	1,536	1,500	1,375	1,388	1,370	1,314	1,359
Health	219	235	257	270	265	283	269	265	275	280
Humanities	1,846	1,856	1,906	1,900	1,827	1,732	1,725	1,658	1,635	1,684
Professional/other/unknown	749	702	653	671	616	549	545	545	559	575
Other/unknown, all fields ^c	661	632	365	414	478	466	637	601	443	507
Science and engineering	426	413	250	280	320	301	430	424	305	357
Science	313	309	183	215	250	226	366	340	256	271
Agricultural sciences	14	11	8	13	6	7	13	17	6	10
Biological sciences	62	74	43	71	75	66	112	85	68	79
Computer sciences	26	18	14	11	12	7	20	18	20	22
Earth, atmospheric, and ocean sciences	14	17	8	9	14	5	12	13	7	13
Mathematics	19	20	13	6	7	11	19	20	12	15
Physical sciences	66	77	37	41	52	50	76	82	53	44
Astronomy	11	10	1	4	4	3	12	6	6	3
Chemistry	29	37	19	26	25	25	43	43	22	26
Physics	26	30	17	11	23	22	21	33	25	15
Psychology	39	35	11	17	32	24	38	30	35	30
Social sciences	73	57	49	47	52	56	76	75	55	58
Engineering	113	104	67	65	70	75	64	84	49	86
Aeronautical/astronautical engineering	8	8	1	2	4	1	1	2	4	7
Chemical engineering	13	13	5	4	11	11	6	12	8	8
Civil engineering	9	15	5	7	14	7	8	3	5	4
Electrical engineering	40	18	21	19	13	22	20	27	12	25
Industrial engineering	3	3	1	3	4	2	2	5	1	0
Materials/metallurgical engineering	8	12	7	6	6	4	4	6	1	9
Mechanical engineering	14	17	15	12	10	16	12	12	7	17
Other engineering	18	18	12	12	8	12	11	17	11	16
Non-science and engineering	235	219	115	134	158	165	207	177	138	150
Education	94	67	36	34	40	62	71	49	44	46

TABLE 6. Doctorates awarded to male U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	6	14	6	9	7	9	17	15	13	14
Humanities	96	101	52	75	85	78	92	74	58	69
Professional/other/unknown	39	37	21	16	26	16	27	39	23	21

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	14,172	14,605	14,405	14,640	14,201	13,949	14,234	14,262	14,348	14,610
Science and engineering	6,989	7,184	7,074	7,134	6,884	6,711	6,831	6,853	7,139	7,468
Science	6,477	6,732	6,581	6,642	6,404	6,267	6,390	6,381	6,661	6,890
Agricultural sciences	176	205	185	195	195	181	200	226	224	223
Biological sciences	1,920	1,925	1,864	1,988	1,974	1,919	1,918	2,006	2,168	2,224
Computer sciences	100	123	106	86	98	98	99	102	102	127
Earth, atmospheric, and ocean sciences	150	157	135	145	138	163	153	175	164	178
Mathematics	177	199	192	164	155	135	152	154	151	169
Physical sciences	581	599	547	540	523	531	561	502	562	578
Astronomy	26	27	26	35	29	21	30	33	34	37
Chemistry	431	465	426	422	407	419	417	383	445	442
Physics	124	107	95	83	87	91	114	86	83	99
Psychology	2,106	2,212	2,229	2,178	2,012	1,884	1,965	1,891	1,990	2,019
Social sciences	1,267	1,312	1,323	1,346	1,309	1,356	1,342	1,325	1,300	1,372
Engineering	512	452	493	492	480	444	441	472	478	578
Aeronautical/astronautical engineering	12	12	10	14	19	11	11	10	11	11
Chemical engineering	77	76	75	101	93	88	72	80	84	108
Civil engineering	58	58	61	48	66	57	69	66	79	67
Electrical engineering	106	91	81	93	68	66	65	68	80	78
Industrial engineering	28	24	31	18	28	32	22	20	17	29
Materials/metallurgical engineering	71	51	55	54	54	46	45	38	49	61
Mechanical engineering	55	51	60	56	38	44	40	44	43	65
Other engineering	105	89	120	108	114	100	117	146	115	159
Non-science and engineering	7,183	7,421	7,331	7,506	7,317	7,238	7,403	7,409	7,209	7,142
Education	3,688	3,692	3,801	3,759	3,564	3,607	3,786	3,651	3,562	3,346
Health	740	843	720	854	801	857	872	921	926	986
Humanities	2,035	2,106	2,084	2,175	2,234	2,047	2,056	2,064	1,926	1,998
Professional/other/unknown	720	780	726	718	718	727	689	773	795	812
American Indian/Alaska Native, all fields	88	85	118	93	83	81	84	73	82	64
Science and engineering	34	42	55	45	32	33	39	27	32	23
Science	31	38	53	41	30	33	36	25	31	23
Agricultural sciences	0	2	0	1	0	0	1	2	2	2
Biological sciences	3	6	10	7	7	6	8	4	6	2
Computer sciences	1	0	1	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	1	3	1	0	0	1	0	3	0
Mathematics	0	2	0	1	1	1	1	0	0	0
Physical sciences	0	1	3	2	2	0	1	1	0	1
Astronomy	0	0	1	1	0	0	0	0	0	0
Chemistry	0	1	2	1	2	0	1	0	0	1
Physics	0	0	0	0	0	0	0	1	0	0
Psychology	12	18	23	19	12	8	14	9	9	12
Social sciences	14	8	13	10	8	18	10	9	11	6
Engineering	3	4	2	4	2	0	3	2	1	0
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	0	0
Chemical engineering	1	3	1	1	0	0	1	1	0	0
Civil engineering	1	0	1	1	0	0	0	1	0	0
Electrical engineering	0	0	0	0	0	0	0	0	0	0
Industrial engineering	0	0	0	0	0	0	0	0	0	0
Materials engineering	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	1	0	0	1	0	0	1	0	1	0
Other engineering	0	1	0	1	2	0	1	0	0	0
Non-science and engineering	54	43	63	48	51	48	45	46	50	41
Education	33	24	39	34	31	30	31	33	34	20
Health	4	3	6	3	4	3	1	3	2	3
Humanities	11	7	10	9	12	8	8	5	11	13
Professional/other/unknown	6	9	8	2	4	7	5	5	3	5

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	1,224	1,080	1,020	1,033	1,002	991	967	1,055	1,109	1,242
Science and engineering	889	767	715	680	683	679	645	677	746	828
Science	770	670	630	570	584	580	564	593	646	696
Agricultural sciences	20	25	19	12	13	15	16	23	13	15
Biological sciences	348	292	276	263	267	290	254	260	284	278
Computer sciences	26	23	19	15	20	26	17	19	27	41
Earth, atmospheric, and ocean sciences	18	13	10	9	7	10	8	4	9	13
Mathematics	28	27	20	21	17	5	24	17	28	32
Physical sciences	131	103	93	70	73	61	72	53	66	79
Astronomy	1	3	0	4	0	0	3	3	2	4
Chemistry	92	74	80	54	61	50	50	42	50	60
Physics	38	26	13	12	12	11	19	8	14	15
Psychology	95	84	98	99	89	82	81	126	106	124
Social sciences	104	103	95	81	98	91	92	91	113	114
Engineering	119	97	85	110	99	99	81	84	100	132
Aeronautical/astronautical engineering	0	0	1	0	4	2	2	1	0	3
Chemical engineering	12	19	14	22	19	21	10	18	15	24
Civil engineering	14	6	5	10	9	7	3	11	13	15
Electrical engineering	39	31	26	33	29	26	30	20	23	28
Industrial engineering	1	2	1	2	6	2	3	3	2	4
Materials/metallurgical engineering	16	15	10	11	9	10	6	8	10	15
Mechanical engineering	16	11	11	16	8	15	9	6	7	15
Other engineering	21	13	17	16	15	16	18	17	30	28
Non-science and engineering	335	313	305	353	319	312	322	378	363	414
Education	128	106	103	121	103	99	109	118	110	133
Health	50	48	48	63	64	71	49	64	84	87
Humanities	107	113	111	113	106	101	117	129	119	126
Professional/other/unknown	50	46	43	56	46	41	47	67	50	68
Black/African American, all fields	839	993	1,064	1,107	1,055	1,080	1,146	1,268	1,137	1,131
Science and engineering	286	351	369	391	375	372	378	422	395	436
Science	263	329	345	367	350	344	359	388	369	394
Agricultural sciences	6	5	9	11	6	5	8	11	12	8
Biological sciences	60	70	66	74	84	68	64	89	101	91
Computer sciences	1	8	10	5	10	7	5	5	8	4
Earth, atmospheric, and ocean sciences	1	1	4	1	2	0	7	1	1	2
Mathematics	2	7	6	7	7	8	5	3	7	8
Physical sciences	11	31	29	21	20	28	19	25	17	20
Astronomy	1	0	2	1	0	1	0	0	0	0
Chemistry	9	28	23	19	19	22	14	20	15	18
Physics	1	3	4	1	1	5	5	5	2	2
Psychology	111	115	135	144	124	128	126	156	125	141
Social sciences	71	92	86	104	97	100	125	98	98	120
Engineering	23	22	24	24	25	28	19	34	26	42
Aeronautical/astronautical engineering	0	0	1	1	0	0	0	0	0	0
Chemical engineering	6	1	4	5	10	6	3	7	7	7
Civil engineering	0	2	2	1	0	4	2	3	6	4
Electrical engineering	4	4	5	2	1	4	4	9	6	5
Industrial engineering	4	6	3	0	3	1	2	1	1	6
Materials/metallurgical engineering	1	3	3	1	4	2	1	3	0	4
Mechanical engineering	1	0	1	5	1	4	1	3	0	5
Other engineering	7	6	5	9	6	7	6	8	6	11
Non-science and engineering	553	642	695	716	680	708	768	846	742	695
Education	382	462	487	508	460	483	526	561	488	427
Health	40	51	45	61	52	57	61	81	91	99
Humanities	74	72	94	88	103	87	93	98	87	86
Professional/other/unknown	57	57	69	59	65	81	88	106	76	83

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic, all fields ^b	574	644	745	700	698	770	763	705	822	823
Science and engineering	266	326	362	350	334	379	366	363	408	442
Science	243	313	339	337	311	354	343	342	379	409
Agricultural sciences	7	13	7	11	14	8	11	11	10	14
Biological sciences	63	79	76	92	77	114	80	108	113	108
Computer sciences	2	1	3	3	4	2	5	3	3	3
Earth, atmospheric, and ocean sciences	5	6	4	3	5	2	6	5	8	11
Mathematics	6	7	5	7	5	4	7	7	6	10
Physical sciences	15	11	22	25	22	22	23	24	32	30
Astronomy	1	0	0	1	1	1	1	2	2	1
Chemistry	12	9	21	21	17	18	18	21	29	27
Physics	2	2	1	3	4	3	4	1	1	2
Psychology	107	152	158	151	123	129	116	116	127	157
Social sciences	38	44	64	45	61	73	95	68	80	76
Engineering	23	13	23	13	23	25	23	21	29	33
Aeronautical/astronautical engineering	0	1	0	0	0	0	0	0	1	0
Chemical engineering	3	0	4	4	5	7	4	4	7	11
Civil engineering	1	3	6	1	2	0	5	4	2	4
Electrical engineering	6	2	4	1	3	4	4	2	2	1
Industrial engineering	3	2	1	0	3	4	1	0	1	3
Materials/metallurgical engineering	4	3	2	4	5	2	3	1	7	4
Mechanical engineering	3	1	1	1	0	5	1	2	6	1
Other engineering	3	1	5	2	5	3	5	8	3	9
Non-science and engineering	308	318	383	350	364	391	397	342	414	381
Education	164	178	212	186	184	217	219	177	209	196
Health	24	25	31	24	20	24	33	37	30	35
Humanities	101	95	107	110	132	125	115	103	125	111
Professional/other/unknown	19	20	33	30	28	25	30	25	50	39
Mexican American, all fields	145	204	187	206	205	234	269	236	282	283
Science and engineering	70	87	73	87	84	104	114	117	113	130
Science	63	84	69	84	79	98	109	112	105	124
Agricultural sciences	0	3	0	2	2	4	2	4	0	6
Biological sciences	22	22	16	19	17	31	23	28	27	33
Computer sciences	0	0	0	1	0	0	2	0	1	0
Earth, atmospheric, and ocean sciences	1	1	1	1	3	0	0	1	1	4
Mathematics	1	3	2	4	3	1	3	1	2	3
Physical sciences	2	3	5	3	2	6	10	10	4	6
Astronomy	0	0	0	0	0	1	0	1	1	1
Chemistry	2	3	4	3	2	3	9	8	3	5
Physics	0	0	1	0	0	2	1	1	0	0
Psychology	29	35	27	39	36	36	35	39	36	45
Social sciences	8	17	18	15	16	20	34	29	34	27
Engineering	7	3	4	3	5	6	5	5	8	6
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	0	0
Chemical engineering	1	0	0	1	0	2	1	0	1	1
Civil engineering	1	1	2	0	1	0	0	1	0	1
Electrical engineering	3	0	1	0	2	0	1	1	1	0
Industrial engineering	0	0	0	0	0	0	0	0	0	0
Materials/metallurgical engineering	2	2	0	2	2	1	2	1	2	1
Mechanical engineering	0	0	0	0	0	2	0	0	3	0
Other engineering	0	0	1	0	0	1	1	2	1	3
Non-science and engineering	75	117	114	119	121	130	155	119	169	153
Education	48	71	68	69	66	89	101	75	98	93
Health	7	14	11	9	5	5	11	6	13	11

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	16	26	22	35	40	30	30	31	43	38
Professional/other/unknown	4	6	13	6	10	6	13	7	15	11
Puerto Rican, all fields	160	180	194	197	174	197	134	152	165	184
Science and engineering	73	104	96	105	81	104	72	75	92	109
Science	69	103	88	101	77	93	70	73	87	93
Agricultural sciences	1	1	1	3	4	3	3	4	5	2
Biological sciences	16	23	23	22	30	38	13	30	34	28
Computer sciences	0	1	1	0	0	0	0	2	0	0
Earth, atmospheric, and ocean sciences	2	3	1	0	0	0	0	3	2	2
Mathematics	1	3	0	1	0	0	2	1	1	1
Physical sciences	2	5	9	10	4	4	6	9	10	13
Astronomy	0	0	0	0	0	0	1	0	0	0
Chemistry	2	5	9	10	3	4	5	9	10	13
Physics	0	0	0	0	1	0	0	0	0	0
Psychology	36	59	41	59	30	36	37	15	24	41
Social sciences	11	8	12	6	9	12	9	9	11	6
Engineering	4	1	8	4	4	11	2	2	5	16
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	0	0	1	2	2	5	0	1	2	9
Civil engineering	0	0	1	0	0	0	1	0	0	3
Electrical engineering	1	0	2	0	0	1	0	1	0	0
Industrial engineering	1	1	1	0	2	2	0	0	0	1
Materials/metallurgical engineering	1	0	1	1	0	0	0	0	1	2
Mechanical engineering	0	0	0	0	0	2	1	0	0	0
Other engineering	1	0	2	1	0	1	0	0	1	1
Non-science and engineering	87	76	98	92	93	93	62	77	73	75
Education	51	49	66	51	61	54	35	39	30	40
Health	7	4	6	6	3	7	4	14	6	4
Humanities	23	17	17	25	23	25	13	18	23	20
Professional/other/unknown	6	6	9	10	6	7	10	6	14	11
Other Hispanic, all fields	269	260	364	297	319	339	360	317	375	356
Science and engineering	123	135	193	158	169	171	180	171	203	203
Science	111	126	182	152	155	163	164	157	187	192
Agricultural sciences	6	9	6	6	8	1	6	3	5	6
Biological sciences	25	34	37	51	30	45	44	50	52	47
Computer sciences	2	0	2	2	4	2	3	1	2	3
Earth, atmospheric, and ocean sciences	2	2	2	2	2	2	6	1	5	5
Mathematics	4	1	3	2	2	3	2	5	3	6
Physical sciences	11	3	8	12	16	12	7	5	18	11
Astronomy	1	0	0	1	1	0	0	1	1	0
Chemistry	8	1	8	8	12	11	4	4	16	9
Physics	2	2	0	3	3	1	3	0	1	2
Psychology	42	58	90	53	57	57	44	62	67	71
Social sciences	19	19	34	24	36	41	52	30	35	43
Engineering	12	9	11	6	14	8	16	14	16	11
Aeronautical/astronautical engineering	0	1	0	0	0	0	0	0	0	0
Chemical engineering	2	0	3	1	3	0	3	3	4	1
Civil engineering	0	2	3	1	1	0	4	3	2	0
Electrical engineering	2	2	1	1	1	3	3	0	1	1
Industrial engineering	2	1	0	0	1	2	1	0	1	2
Materials/metallurgical engineering	1	1	1	1	3	1	1	0	4	1
Mechanical engineering	3	1	1	1	0	1	0	2	3	1
Other engineering	2	1	2	1	5	1	4	6	1	5
Non-science and engineering	146	125	171	139	150	168	180	146	172	153
Education	65	58	78	66	57	74	83	63	81	63

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	10	7	14	9	12	12	18	17	11	20
Humanities	62	52	68	50	69	70	72	54	59	53
Professional/other/unknown	9	8	11	14	12	12	7	12	21	17
White, all fields	10,966	11,393	11,219	11,403	10,974	10,609	10,723	10,650	10,745	10,862
Science and engineering	5,267	5,497	5,458	5,511	5,257	5,044	5,132	5,098	5,317	5,483
Science	4,935	5,190	5,106	5,177	4,939	4,767	4,831	4,781	5,022	5,131
Agricultural sciences	135	154	147	158	157	150	157	171	181	179
Biological sciences	1,398	1,438	1,402	1,510	1,489	1,392	1,449	1,467	1,606	1,676
Computer sciences	66	84	71	62	60	60	65	70	58	79
Earth, atmospheric, and ocean sciences	118	133	110	124	122	140	123	152	138	149
Mathematics	135	150	159	126	120	112	110	125	106	109
Physical sciences	407	442	391	414	391	410	421	382	430	433
Astronomy	22	24	23	26	27	18	24	26	28	31
Chemistry	305	344	293	323	296	321	315	287	339	325
Physics	80	74	75	65	68	71	82	69	63	77
Psychology	1,690	1,764	1,789	1,725	1,599	1,485	1,551	1,405	1,551	1,508
Social sciences	986	1,025	1,037	1,058	1,001	1,018	955	1,009	952	998
Engineering	332	307	352	334	318	277	301	317	295	352
Aeronautical/astronautical engineering	12	11	8	13	14	8	8	7	8	8
Chemical engineering	52	52	50	67	59	52	50	48	50	64
Civil engineering	40	45	47	34	51	41	58	46	55	40
Electrical engineering	54	53	44	55	34	30	24	36	41	42
Industrial engineering	20	14	26	16	16	23	15	16	12	15
Materials/metallurgical engineering	50	29	40	37	35	30	33	25	30	37
Mechanical engineering	33	37	45	33	27	20	27	31	28	42
Other engineering	71	66	92	79	82	73	86	108	71	104
Non-science and engineering	5,699	5,896	5,761	5,892	5,717	5,565	5,591	5,552	5,428	5,379
Education	2,837	2,824	2,903	2,839	2,709	2,679	2,774	2,656	2,643	2,477
Health	609	694	580	690	643	685	697	705	693	738
Humanities	1,678	1,749	1,713	1,805	1,809	1,654	1,625	1,644	1,500	1,585
Professional/other/unknown	575	629	565	558	556	547	495	547	592	579
Other/unknown, all fields ^c	481	410	239	304	389	418	551	511	453	488
Science and engineering	247	201	115	157	203	204	271	266	241	256
Science	235	192	108	150	190	189	257	252	214	237
Agricultural sciences	8	6	3	2	5	3	7	8	6	5
Biological sciences	48	40	34	42	50	49	63	78	58	69
Computer sciences	4	7	2	1	4	3	7	5	6	0
Earth, atmospheric, and ocean sciences	7	3	4	7	2	11	8	13	5	3
Mathematics	6	6	2	2	5	5	5	2	4	10
Physical sciences	17	11	9	8	15	10	25	17	17	15
Astronomy	1	0	0	2	1	1	2	2	2	1
Chemistry	13	9	7	4	12	8	19	13	12	11
Physics	3	2	2	2	2	1	4	2	3	3
Psychology	91	79	26	40	65	52	77	79	72	77
Social sciences	54	40	28	48	44	56	65	50	46	58
Engineering	12	9	7	7	13	15	14	14	27	19
Aeronautical/astronautical engineering	0	0	0	0	1	1	1	2	2	0
Chemical engineering	3	1	2	2	0	2	4	2	5	2
Civil engineering	2	2	0	1	4	5	1	1	3	4
Electrical engineering	3	1	2	2	1	2	3	1	8	2
Industrial engineering	0	0	0	0	0	2	1	0	1	1
Materials/metallurgical engineering	0	1	0	1	1	2	2	1	2	1
Mechanical engineering	1	2	2	0	2	0	1	2	1	2
Other engineering	3	2	1	1	4	1	1	5	5	7
Non-science and engineering	234	209	124	147	186	214	280	245	212	232
Education	144	98	57	71	77	99	127	106	78	93

TABLE 7. Doctorates awarded to female U.S. citizens or permanent residents, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	13	22	10	13	18	17	31	31	26	24
Humanities	64	70	49	50	72	72	98	85	84	77
Professional/other/unknown	13	19	8	13	19	26	24	23	24	38

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	28,154	28,533	27,994	27,988	27,042	26,050	26,513	26,472	26,325	26,917
Science and engineering	16,112	16,297	15,916	15,708	15,079	14,362	14,641	14,743	14,911	15,459
Science	13,373	13,728	13,429	13,485	12,923	12,468	12,729	12,797	12,910	13,274
Agricultural sciences	532	506	506	498	469	460	521	531	527	546
Biological sciences	3,670	3,773	3,659	3,904	3,913	3,801	3,798	3,964	4,137	4,165
Computer sciences	430	479	421	389	373	358	389	397	401	484
Earth, atmospheric, and ocean sciences	488	477	423	444	382	397	419	415	421	445
Mathematics	530	581	539	518	473	413	471	456	480	549
Physical sciences	2,115	2,134	2,024	1,871	1,854	1,763	1,800	1,740	1,765	1,837
Astronomy	151	132	111	127	120	101	125	113	120	117
Chemistry	1,233	1,294	1,256	1,119	1,131	1,136	1,172	1,112	1,130	1,170
Physics	731	708	657	625	603	526	503	515	515	550
Psychology	3,036	3,187	3,223	3,156	2,916	2,730	2,790	2,723	2,813	2,722
Social sciences	2,572	2,591	2,634	2,705	2,543	2,546	2,541	2,571	2,366	2,526
Engineering	2,739	2,569	2,487	2,223	2,156	1,894	1,912	1,946	2,001	2,185
Aeronautical/astronautical engineering	155	140	103	117	94	82	70	71	93	77
Chemical engineering	321	328	333	340	333	301	272	292	294	352
Civil engineering	249	246	261	221	223	211	239	190	211	200
Electrical engineering	753	639	639	533	471	423	410	422	466	459
Industrial engineering	102	84	86	67	74	71	55	63	59	59
Materials/metallurgical engineering	271	265	225	221	202	164	176	192	177	213
Mechanical engineering	456	435	399	341	386	286	288	270	293	341
Other engineering	432	432	441	383	373	356	402	446	408	484
Non-science and engineering	12,042	12,236	12,078	12,280	11,963	11,688	11,872	11,729	11,414	11,458
Education	5,583	5,581	5,639	5,560	5,346	5,302	5,519	5,336	5,141	4,974
Health	959	1,073	972	1,119	1,063	1,126	1,164	1,193	1,213	1,268
Humanities	3,948	4,031	4,010	4,161	4,127	3,925	3,902	3,812	3,644	3,787
Professional/other/unknown	1,552	1,551	1,457	1,440	1,427	1,335	1,287	1,388	1,416	1,429
American Indian/Alaska Native, all fields	167	189	214	169	149	147	134	129	139	118
Science and engineering	79	96	114	88	71	66	72	59	66	47
Science	62	83	102	80	65	60	61	54	58	44
Agricultural sciences	5	9	1	5	0	2	4	4	3	3
Biological sciences	7	12	20	17	15	12	11	14	12	6
Computer sciences	1	4	1	1	0	1	2	2	1	2
Earth, atmospheric, and ocean sciences	3	3	6	4	0	0	2	4	4	1
Mathematics	1	3	1	2	1	3	2	0	0	0
Physical sciences	9	9	9	9	12	7	2	5	4	4
Astronomy	1	1	1	1	1	0	0	0	0	0
Chemistry	6	7	5	7	11	5	2	4	2	3
Physics	2	1	3	1	0	2	0	1	2	1
Psychology	18	31	35	22	17	15	22	12	15	15
Social sciences	18	12	29	20	20	20	16	13	19	13
Engineering	17	13	12	8	6	6	11	5	8	3
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	4	3	2	1	1	1	1	2	0	0
Civil engineering	2	0	2	1	0	0	1	3	0	0
Electrical engineering	5	3	1	0	1	0	5	0	2	0
Industrial engineering	0	0	0	0	0	1	0	0	0	0
Materials/metallurgical engineering	0	2	2	0	1	1	0	0	0	0
Mechanical engineering	6	2	2	3	1	1	0	0	4	3
Other engineering	0	3	3	3	2	2	4	0	1	0
Non-science and engineering	88	93	100	81	78	81	62	70	73	71
Education	51	50	58	51	43	46	39	47	42	35
Health	6	4	6	4	6	3	2	3	4	6
Humanities	19	21	21	20	21	20	15	12	21	21
Professional/other/unknown	12	18	15	6	8	12	6	8	6	9

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	1,295	1,185	1,305	1,365	1,413	1,369	1,372	1,451	1,494	1,560
Science and engineering	999	897	987	992	1,055	1,038	1,008	1,066	1,114	1,164
Science	709	651	724	751	792	791	797	838	872	898
Agricultural sciences	22	9	22	15	11	13	9	13	13	14
Biological sciences	255	258	288	318	361	373	379	380	409	387
Computer sciences	42	40	43	41	37	51	45	42	52	60
Earth, atmospheric, and ocean sciences	10	6	14	8	12	5	8	6	11	15
Mathematics	33	26	29	44	33	19	38	29	38	35
Physical sciences	150	122	123	101	123	118	110	126	139	118
Astronomy	6	6	2	8	6	8	8	7	7	8
Chemistry	81	76	88	49	73	73	63	85	84	79
Physics	63	40	33	44	44	37	39	34	48	31
Psychology	101	93	110	121	100	106	104	134	111	150
Social sciences	96	97	95	103	115	106	104	108	99	119
Engineering	290	246	263	241	263	247	211	228	242	266
Aeronautical/astronautical engineering	8	8	9	5	10	6	7	7	7	8
Chemical engineering	17	36	32	44	37	48	36	46	33	44
Civil engineering	13	16	20	18	16	14	10	12	13	19
Electrical engineering	128	87	92	79	82	80	80	63	77	75
Industrial engineering	11	1	2	5	12	4	4	4	3	1
Materials/metallurgical engineering	25	16	27	23	23	24	15	23	15	24
Mechanical engineering	50	37	42	39	48	31	26	37	32	40
Other engineering	38	45	39	28	35	40	33	36	62	55
Non-science and engineering	296	288	318	373	358	331	364	385	380	396
Education	100	99	102	125	104	99	108	113	112	125
Health	42	32	45	55	66	55	69	63	85	80
Humanities	104	103	112	124	120	132	130	142	131	132
Professional/other/unknown	50	54	59	69	68	45	57	67	52	59
Black/African American, all fields	1,336	1,485	1,631	1,631	1,614	1,667	1,711	1,881	1,690	1,659
Science and engineering	530	574	639	646	632	637	615	689	640	664
Science	447	501	554	572	550	561	544	605	555	575
Agricultural sciences	15	10	19	12	9	9	18	18	13	20
Biological sciences	101	101	109	110	125	115	100	136	143	133
Computer sciences	4	12	17	13	13	17	17	15	15	14
Earth, atmospheric, and ocean sciences	3	5	8	3	5	4	11	6	6	3
Mathematics	6	12	10	14	17	13	14	8	16	16
Physical sciences	45	51	54	52	46	62	48	49	46	40
Astronomy	2	1	2	1	1	1	1	0	2	0
Chemistry	31	40	46	36	36	41	35	40	35	28
Physics	12	10	6	15	9	20	12	9	9	12
Psychology	142	152	168	184	169	162	163	204	159	169
Social sciences	131	158	169	184	166	179	173	169	157	180
Engineering	83	73	85	74	82	76	71	84	85	89
Aeronautical/astronautical engineering	3	1	1	4	0	2	1	1	2	1
Chemical engineering	12	3	9	8	16	10	8	9	11	13
Civil engineering	9	7	5	5	7	10	6	5	7	10
Electrical engineering	27	22	26	19	20	15	21	31	28	18
Industrial engineering	7	6	7	4	6	4	2	3	7	6
Materials/metallurgical engineering	3	9	5	4	5	5	3	5	4	10
Mechanical engineering	10	12	10	17	17	16	9	14	8	13
Other engineering	12	13	22	13	11	14	21	16	18	18
Non-science and engineering	806	911	992	985	982	1,030	1,096	1,192	1,050	995
Education	527	628	661	676	650	677	745	781	662	606
Health	51	60	51	67	60	68	74	101	114	119

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	126	131	150	145	158	153	142	157	158	148
Professional/other/unknown	102	92	130	97	114	132	135	153	116	122
Hispanic, all fields ^b	1,064	1,209	1,184	1,182	1,123	1,239	1,280	1,180	1,296	1,370
Science and engineering	575	687	646	651	582	652	659	645	725	786
Science	493	587	575	582	508	564	568	572	652	685
Agricultural sciences	15	25	11	20	21	20	19	15	14	23
Biological sciences	132	151	154	155	149	161	158	175	207	195
Computer sciences	15	13	12	11	6	13	9	12	9	6
Earth, atmospheric, and ocean sciences	15	16	18	16	5	11	10	10	15	19
Mathematics	17	25	12	13	14	11	15	21	23	23
Physical sciences	58	49	56	71	61	55	61	56	69	68
Astronomy	3	2	1	1	7	3	3	6	3	3
Chemistry	36	34	41	49	39	35	38	38	52	53
Physics	19	13	14	21	15	17	20	12	14	12
Psychology	161	198	206	203	155	179	162	164	179	203
Social sciences	80	110	106	93	97	114	134	119	136	148
Engineering	82	100	71	69	74	88	91	73	73	101
Aeronautical/astronautical engineering	4	5	0	3	5	2	4	3	6	1
Chemical engineering	6	10	5	13	5	16	14	9	15	21
Civil engineering	10	15	11	8	8	8	11	16	10	11
Electrical engineering	23	27	28	19	15	28	21	12	11	15
Industrial engineering	4	7	2	0	3	5	3	1	1	6
Materials/metallurgical engineering	10	8	7	7	8	7	9	7	10	13
Mechanical engineering	13	19	8	10	17	10	12	9	12	11
Other engineering	12	9	10	9	13	12	17	16	8	23
Non-science and engineering	489	522	538	531	541	587	621	535	571	584
Education	247	285	289	275	267	307	328	262	278	279
Health	29	37	39	33	22	30	38	43	41	41
Humanities	173	156	160	176	194	206	205	180	176	192
Professional/other/unknown	40	44	50	47	58	44	50	50	76	72
Mexican American, all fields	297	410	339	400	379	400	458	432	497	516
Science and engineering	154	214	155	206	170	183	209	217	237	270
Science	136	186	144	180	153	167	194	195	213	240
Agricultural sciences	2	9	3	6	4	7	7	6	3	8
Biological sciences	40	49	39	44	47	52	53	54	68	69
Computer sciences	2	3	0	3	2	3	3	3	2	1
Earth, atmospheric, and ocean sciences	3	5	5	4	2	4	0	3	3	6
Mathematics	3	6	7	8	6	2	4	7	7	9
Physical sciences	14	21	15	22	15	15	25	20	19	21
Astronomy	0	1	0	0	3	1	1	2	2	3
Chemistry	9	15	9	17	6	7	19	13	10	14
Physics	5	5	6	5	6	7	5	5	7	4
Psychology	49	52	40	60	49	50	51	51	58	64
Social sciences	23	41	35	33	28	34	51	51	53	62
Engineering	18	28	11	26	17	16	15	22	24	30
Aeronautical/astronautical engineering	1	3	0	0	1	1	1	2	3	0
Chemical engineering	3	1	0	4	0	3	3	2	6	4
Civil engineering	2	5	3	4	1	1	0	5	1	3
Electrical engineering	5	6	3	4	8	4	3	4	3	5
Industrial engineering	0	3	1	0	0	0	0	0	0	0
Materials/metallurgical engineering	4	4	1	3	2	1	5	4	3	5
Mechanical engineering	2	3	1	6	4	3	2	0	6	4
Other engineering	1	3	2	5	1	3	1	5	2	9
Non-science and engineering	143	196	184	194	209	217	249	215	260	246
Education	89	116	103	113	116	137	155	127	143	140
Health	7	15	14	11	6	8	13	9	20	16

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	37	54	49	57	65	60	61	65	71	67
Professional/other/unknown	10	11	18	13	22	12	20	14	26	23
Puerto Rican, all fields	314	308	334	326	296	345	260	259	263	321
Science and engineering	172	173	183	183	149	196	147	140	160	205
Science	149	156	160	163	136	170	128	121	144	167
Agricultural sciences	4	3	1	6	6	9	3	4	5	7
Biological sciences	37	43	46	33	48	56	34	51	53	49
Computer sciences	6	2	6	4	1	4	2	4	0	1
Earth, atmospheric, and ocean sciences	6	5	5	5	1	3	4	5	5	5
Mathematics	4	7	2	2	2	3	3	2	5	4
Physical sciences	20	11	22	20	14	20	17	16	17	27
Astronomy	0	1	0	0	0	1	1	0	0	0
Chemistry	13	9	18	19	11	11	14	15	16	24
Physics	7	1	4	1	3	8	2	1	1	3
Psychology	56	71	57	74	39	50	47	19	37	56
Social sciences	16	14	21	19	25	25	18	20	22	18
Engineering	23	17	23	20	13	26	19	19	16	38
Aeronautical/astronautical engineering	0	1	0	0	1	0	2	0	1	1
Chemical engineering	1	3	2	5	2	8	4	1	5	14
Civil engineering	5	1	2	2	2	1	4	7	2	6
Electrical engineering	4	3	11	6	2	7	4	4	2	4
Industrial engineering	2	3	1	0	2	3	0	1	1	3
Materials/metallurgical engineering	1	1	3	3	1	2	0	0	2	3
Mechanical engineering	6	5	2	2	1	3	2	3	1	3
Other engineering	4	0	2	2	2	2	3	3	2	4
Non-science and engineering	142	135	151	143	147	149	113	119	103	116
Education	72	77	90	75	87	80	52	56	42	55
Health	10	7	11	9	5	9	4	16	6	7
Humanities	49	37	31	44	41	50	42	35	35	34
Professional/other/unknown	11	14	19	15	14	10	15	12	20	20
Other Hispanic, all fields	453	491	511	456	448	494	562	489	536	533
Science and engineering	249	300	308	262	263	273	303	288	328	311
Science	208	245	271	239	219	227	246	256	295	278
Agricultural sciences	9	13	7	8	11	4	9	5	6	8
Biological sciences	55	59	69	78	54	53	71	70	86	77
Computer sciences	7	8	6	4	3	6	4	5	7	4
Earth, atmospheric, and ocean sciences	6	6	8	7	2	4	6	2	7	8
Mathematics	10	12	3	3	6	6	8	12	11	10
Physical sciences	24	17	19	29	32	20	19	20	33	20
Astronomy	3	0	1	1	4	1	1	4	1	0
Chemistry	14	10	14	13	22	17	5	10	26	15
Physics	7	7	4	15	6	2	13	6	6	5
Psychology	56	75	109	69	67	79	64	94	84	83
Social sciences	41	55	50	41	44	55	65	48	61	68
Engineering	41	55	37	23	44	46	57	32	33	33
Aeronautical/astronautical engineering	3	1	0	3	3	1	1	1	2	0
Chemical engineering	2	6	3	4	3	5	7	6	4	3
Civil engineering	3	9	6	2	5	6	7	4	7	2
Electrical engineering	14	18	14	9	5	17	14	4	6	6
Industrial engineering	2	1	0	0	1	2	3	0	0	3
Materials/metallurgical engineering	5	3	3	1	5	4	4	3	5	5
Mechanical engineering	5	11	5	2	12	4	8	6	5	4
Other engineering	7	6	6	2	10	7	13	8	4	10
Non-science and engineering	204	191	203	194	185	221	259	201	208	222
Education	86	92	96	87	64	90	121	79	93	84
Health	12	15	14	13	11	13	21	18	15	18

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	87	65	80	75	88	96	102	80	70	91
Professional/other/unknown	19	19	13	19	22	22	15	24	30	29
White, all fields	23,184	23,494	23,099	22,972	21,921	20,799	20,883	20,766	20,854	21,280
Science and engineering	13,293	13,473	13,196	12,922	12,246	11,503	11,618	11,632	11,844	12,227
Science	11,142	11,435	11,205	11,157	10,593	10,107	10,161	10,169	10,321	10,594
Agricultural sciences	452	439	442	433	417	407	452	457	473	472
Biological sciences	3,068	3,144	3,017	3,195	3,146	3,030	2,980	3,105	3,243	3,303
Computer sciences	341	385	336	311	303	268	294	308	301	382
Earth, atmospheric, and ocean sciences	436	429	365	398	345	361	369	364	374	393
Mathematics	449	494	474	437	397	354	379	376	387	452
Physical sciences	1,780	1,824	1,740	1,594	1,547	1,465	1,481	1,410	1,441	1,551
Astronomy	129	113	104	111	100	85	99	92	100	102
Chemistry	1,040	1,096	1,054	952	937	952	974	894	925	973
Physics	611	615	582	531	510	428	408	424	416	476
Psychology	2,481	2,598	2,667	2,570	2,382	2,195	2,226	2,105	2,243	2,082
Social sciences	2,135	2,122	2,164	2,219	2,056	2,027	1,980	2,044	1,859	1,959
Engineering	2,151	2,038	1,991	1,765	1,653	1,396	1,457	1,463	1,523	1,633
Aeronautical/astronautical engineering	133	118	92	103	75	70	56	56	71	60
Chemical engineering	269	262	279	268	263	214	203	212	223	264
Civil engineering	206	197	219	181	176	170	203	150	174	155
Electrical engineering	529	485	472	398	339	279	264	291	332	326
Industrial engineering	78	67	74	56	49	53	43	51	46	45
Materials/metallurgical engineering	226	217	177	180	158	121	143	150	145	158
Mechanical engineering	361	348	323	262	292	213	228	196	229	259
Other engineering	349	344	355	317	301	276	317	357	303	366
Non-science and engineering	9,891	10,021	9,903	10,050	9,675	9,296	9,265	9,134	9,010	9,053
Education	4,416	4,356	4,439	4,330	4,169	4,016	4,106	3,979	3,931	3,797
Health	813	907	816	940	885	945	934	939	935	985
Humanities	3,367	3,465	3,469	3,583	3,484	3,274	3,231	3,166	3,022	3,155
Professional/other/unknown	1,295	1,293	1,179	1,197	1,137	1,061	994	1,050	1,122	1,116
Other/unknown, all fields ^c	1,108	971	561	669	822	829	1,133	1,065	852	930
Science and engineering	636	570	334	409	493	466	669	652	522	571
Science	520	471	269	343	415	385	598	559	452	478
Agricultural sciences	23	14	11	13	11	9	19	24	11	14
Biological sciences	107	107	71	109	117	110	170	154	123	141
Computer sciences	27	25	12	12	14	8	22	18	23	20
Earth, atmospheric, and ocean sciences	21	18	12	15	15	16	19	25	11	14
Mathematics	24	21	13	8	11	13	23	22	16	23
Physical sciences	73	79	42	44	65	56	98	94	66	56
Astronomy	10	9	1	5	5	4	14	8	8	4
Chemistry	39	41	22	26	35	30	60	51	32	34
Physics	24	29	19	13	25	22	24	35	26	18
Psychology	133	115	37	56	93	73	113	104	106	103
Social sciences	112	92	71	86	89	100	134	118	96	107
Engineering	116	99	65	66	78	81	71	93	70	93
Aeronautical/astronautical engineering	7	8	1	2	4	2	2	4	6	7
Chemical engineering	13	14	6	6	11	12	10	14	12	10
Civil engineering	9	11	4	8	16	9	8	4	7	5
Electrical engineering	41	15	20	18	14	21	19	25	16	25
Industrial engineering	2	3	1	2	4	4	3	4	2	1
Materials/metallurgical engineering	7	13	7	7	7	6	6	7	3	8
Mechanical engineering	16	17	14	10	11	15	13	14	8	15
Other engineering	21	18	12	13	11	12	10	21	16	22
Non-science and engineering	472	401	227	260	329	363	464	413	330	359
Education	242	163	90	103	113	157	193	154	116	132

TABLE 8. Doctorates awarded to U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	18	33	15	20	24	25	47	44	34	37
Humanities	159	155	98	113	150	140	179	155	136	139
Professional/other/unknown	53	50	24	24	42	41	45	60	44	51

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	15,046	14,918	14,519	14,158	13,673	12,884	13,096	12,996	12,792	13,273
Science and engineering	9,883	9,770	9,444	9,082	8,722	8,158	8,318	8,339	8,283	8,600
Science	7,559	7,577	7,384	7,280	6,978	6,631	6,780	6,806	6,679	6,906
Agricultural sciences	377	334	338	324	292	291	346	325	319	337
Biological sciences	2,031	2,087	2,010	2,096	2,123	2,066	2,031	2,087	2,111	2,128
Computer sciences	347	375	330	316	288	279	310	309	315	392
Earth, atmospheric, and ocean sciences	356	339	303	309	254	246	276	252	267	282
Mathematics	387	409	374	373	335	290	340	324	360	410
Physical sciences	1,646	1,625	1,559	1,395	1,389	1,282	1,306	1,287	1,250	1,324
Astronomy	126	109	87	95	93	80	97	81	86	84
Chemistry	881	897	894	744	766	753	805	766	719	772
Physics	639	619	578	556	530	449	404	440	445	468
Psychology	987	1,027	1,043	1,022	955	892	872	878	884	765
Social sciences	1,428	1,381	1,427	1,445	1,342	1,285	1,299	1,344	1,173	1,268
Engineering	2,324	2,193	2,060	1,802	1,744	1,527	1,538	1,533	1,604	1,694
Aeronautical/astronautical engineering	143	128	93	103	77	72	61	61	82	68
Chemical engineering	260	263	268	248	251	228	204	221	227	257
Civil engineering	204	196	207	179	164	162	176	134	147	144
Electrical engineering	679	573	577	464	427	378	364	369	410	403
Industrial engineering	77	62	58	50	51	43	38	45	45	35
Materials/metallurgical engineering	213	228	176	174	155	122	141	160	133	159
Mechanical engineering	409	393	347	294	352	252	257	228	257	285
Other engineering	339	350	334	290	267	270	297	315	303	343
Non-science and engineering	5,163	5,148	5,075	5,076	4,951	4,726	4,778	4,657	4,509	4,673
Education	1,976	1,983	1,949	1,883	1,845	1,770	1,816	1,765	1,653	1,726
Health	254	274	285	308	302	312	326	324	338	338
Humanities	2,065	2,078	2,066	2,118	2,057	1,991	1,987	1,899	1,843	1,929
Professional/other/unknown	868	813	775	767	747	653	649	669	675	680
American Indian/Alaska Native, all fields	79	104	96	76	66	67	52	56	57	54
Science and engineering	45	54	59	43	39	34	34	32	34	24
Science	31	45	49	39	35	28	25	29	27	21
Agricultural sciences	5	7	1	4	0	2	3	2	1	1
Biological sciences	4	6	10	10	8	6	3	10	6	4
Computer sciences	0	4	0	1	0	1	2	2	1	2
Earth, atmospheric, and ocean sciences	2	2	3	3	0	0	1	4	1	1
Mathematics	1	1	1	1	0	2	1	0	0	0
Physical sciences	9	8	6	7	10	7	1	4	4	3
Astronomy	1	1	0	0	1	0	0	0	0	0
Chemistry	6	6	3	6	9	5	1	4	2	2
Physics	2	1	3	1	0	2	0	0	2	1
Psychology	6	13	12	3	5	7	8	3	6	3
Social sciences	4	4	16	10	12	3	6	4	8	7
Engineering	14	9	10	4	4	6	9	3	7	3
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	3	0	1	0	1	1	0	1	0	0
Civil engineering	1	0	1	0	0	0	1	2	0	0
Electrical engineering	5	3	1	0	1	0	5	0	2	0
Industrial engineering	0	0	0	0	0	1	0	0	0	0
Materials/metallurgical engineering	0	2	2	0	1	1	0	0	0	0
Mechanical engineering	5	2	2	2	1	1	0	0	3	3
Other engineering	0	2	3	2	0	2	3	0	1	0
Non-science and engineering	34	50	37	33	27	33	18	24	23	30
Education	18	26	19	17	12	16	8	14	8	15
Health	2	1	0	1	2	0	1	0	2	3
Humanities	8	14	11	11	9	12	7	7	10	8
Professional/other/unknown	6	9	7	4	4	5	2	3	3	4

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	741	661	766	740	762	750	744	728	761	770
Science and engineering	632	541	629	598	619	627	606	594	622	632
Science	388	346	407	414	412	429	441	417	435	439
Agricultural sciences	16	5	11	11	4	7	5	5	6	4
Biological sciences	132	139	166	172	193	197	211	190	204	206
Computer sciences	31	30	34	33	26	38	38	33	37	44
Earth, atmospheric, and ocean sciences	7	5	10	4	9	1	5	4	7	7
Mathematics	27	13	23	34	24	15	21	20	28	22
Physical sciences	105	86	82	64	82	87	70	89	96	68
Astronomy	6	5	2	6	6	8	5	4	5	5
Chemistry	50	51	53	22	38	48	39	57	49	39
Physics	49	30	27	36	38	31	26	28	42	24
Psychology	21	23	31	39	20	36	36	24	21	42
Social sciences	49	45	50	57	54	48	55	52	36	46
Engineering	244	195	222	184	207	198	165	177	187	193
Aeronautical/astronautical engineering	8	8	8	5	7	5	5	6	7	6
Chemical engineering	14	27	23	29	24	37	28	33	23	28
Civil engineering	10	13	19	12	11	11	8	8	9	11
Electrical engineering	112	69	80	65	72	69	64	54	70	60
Industrial engineering	11	0	2	4	10	3	4	2	3	1
Materials/metallurgical engineering	19	12	21	16	18	17	13	18	8	15
Mechanical engineering	42	30	37	30	43	24	20	32	29	31
Other engineering	28	36	32	23	22	32	23	24	38	41
Non-science and engineering	109	120	137	142	143	123	138	134	139	138
Education	25	36	43	42	30	33	31	28	35	37
Health	15	14	16	18	21	10	28	21	25	25
Humanities	41	39	41	44	50	54	47	59	49	50
Professional/other/unknown	28	31	37	38	42	26	32	26	30	26
Black/African American, all fields	528	524	609	561	592	613	598	645	594	580
Science and engineering	261	238	294	270	274	280	254	285	270	256
Science	200	186	232	220	217	230	201	234	208	207
Agricultural sciences	10	8	12	4	4	4	11	7	4	12
Biological sciences	44	34	47	40	44	51	38	52	50	50
Computer sciences	3	4	8	8	3	10	12	10	7	10
Earth, atmospheric, and ocean sciences	2	4	4	2	3	4	5	5	5	1
Mathematics	4	5	4	7	10	5	10	6	9	10
Physical sciences	35	25	30	34	27	35	31	28	30	23
Astronomy	1	1	0	0	1	0	1	0	2	0
Chemistry	23	17	27	20	18	19	23	22	20	13
Physics	11	7	3	14	8	16	7	6	8	10
Psychology	37	38	36	42	48	39	39	48	39	34
Social sciences	65	68	91	83	78	82	55	78	64	67
Engineering	61	52	62	50	57	50	53	51	62	49
Aeronautical/astronautical engineering	3	1	0	3	0	2	1	1	2	1
Chemical engineering	6	2	5	3	6	5	6	2	5	6
Civil engineering	9	5	3	4	7	6	4	2	2	6
Electrical engineering	24	18	21	17	19	11	17	22	22	14
Industrial engineering	3	0	4	4	3	3	0	2	6	1
Materials/metallurgical engineering	2	6	3	3	1	3	2	2	4	6
Mechanical engineering	9	12	9	12	16	12	8	12	8	8
Other engineering	5	8	17	4	5	8	15	8	13	7
Non-science and engineering	267	286	315	291	318	333	344	360	324	324
Education	155	176	185	176	197	200	225	226	183	192
Health	12	11	8	11	9	12	15	23	25	24
Humanities	55	62	61	61	61	67	54	62	75	66
Professional/other/unknown	45	37	61	43	51	54	50	49	41	42

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic, all fields ^b	544	613	510	546	497	539	595	542	548	615
Science and engineering	339	384	316	337	286	311	334	319	356	389
Science	278	297	267	278	231	246	261	263	304	318
Agricultural sciences	12	16	7	13	10	12	11	4	8	12
Biological sciences	75	80	85	73	77	62	89	77	103	102
Computer sciences	13	12	9	9	3	11	5	9	6	4
Earth, atmospheric, and ocean sciences	10	11	14	13	3	11	6	5	8	9
Mathematics	12	18	9	7	9	8	10	17	17	13
Physical sciences	46	39	35	49	41	36	42	35	40	44
Astronomy	2	2	1	1	6	2	2	4	1	2
Chemistry	26	25	21	29	24	19	23	20	25	32
Physics	18	12	13	19	11	15	17	11	14	10
Psychology	60	54	54	58	41	53	48	54	59	52
Social sciences	50	67	54	56	47	53	50	62	63	82
Engineering	61	87	49	59	55	65	73	56	52	71
Aeronautical/astronautical engineering	4	4	0	3	5	2	4	3	5	1
Chemical engineering	4	10	2	10	1	9	11	6	12	10
Civil engineering	9	12	5	7	6	8	7	13	8	8
Electrical engineering	17	25	24	19	13	25	18	10	10	14
Industrial engineering	2	5	1	0	0	2	3	1	1	3
Materials/metallurgical engineering	6	5	5	4	4	5	7	6	3	9
Mechanical engineering	10	18	7	9	17	5	11	7	7	10
Other engineering	9	8	5	7	9	9	12	10	6	16
Non-science and engineering	205	229	194	209	211	228	261	223	192	226
Education	85	109	89	97	88	98	115	94	77	89
Health	7	12	11	10	4	8	9	9	13	10
Humanities	90	83	75	82	86	101	115	92	72	93
Professional/other/unknown	23	25	19	20	33	21	22	28	30	34
Mexican American, all fields	155	211	153	196	188	171	202	213	226	242
Science and engineering	87	130	83	120	96	80	103	109	129	146
Science	76	105	76	97	83	70	92	92	113	121
Agricultural sciences	2	6	3	4	3	3	6	2	3	3
Biological sciences	20	29	23	25	30	21	32	28	43	37
Computer sciences	2	3	0	2	2	3	1	3	1	1
Earth, atmospheric, and ocean sciences	2	4	4	3	1	4	0	2	2	2
Mathematics	2	3	5	4	3	1	2	6	5	6
Physical sciences	12	18	10	19	13	9	15	11	15	15
Astronomy	0	1	0	0	3	0	1	1	1	2
Chemistry	7	12	5	14	4	4	10	6	7	9
Physics	5	5	5	5	6	5	4	4	7	4
Psychology	20	18	14	22	17	14	16	14	25	20
Social sciences	16	24	17	18	14	15	20	26	19	37
Engineering	11	25	7	23	13	10	11	17	16	25
Aeronautical/astronautical engineering	1	3	0	0	1	1	1	2	3	0
Chemical engineering	2	1	0	3	0	1	2	2	5	3
Civil engineering	1	4	1	4	0	1	0	4	1	3
Electrical engineering	2	6	2	4	6	4	2	3	2	5
Industrial engineering	0	3	1	0	0	0	0	0	0	0
Materials/metallurgical engineering	2	2	1	1	1	0	4	3	1	4
Mechanical engineering	2	3	1	6	4	1	2	0	3	4
Other engineering	1	3	1	5	1	2	0	3	1	6
Non-science and engineering	68	81	70	76	92	91	99	104	97	96
Education	41	45	35	45	50	49	56	56	46	48
Health	0	1	3	2	1	3	2	3	7	5

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	21	30	27	22	28	32	34	37	32	31
Professional/other/unknown	6	5	5	7	13	7	7	8	12	12
Puerto Rican, all fields	154	128	140	128	122	148	126	107	98	137
Science and engineering	99	69	87	77	68	92	75	65	68	96
Science	80	53	72	61	59	77	58	48	57	74
Agricultural sciences	3	2	0	3	2	6	0	0	0	5
Biological sciences	21	20	23	11	18	18	21	21	19	21
Computer sciences	6	1	5	4	1	4	2	2	0	1
Earth, atmospheric, and ocean sciences	4	2	4	5	1	3	4	2	3	3
Mathematics	3	4	2	1	2	3	1	1	4	3
Physical sciences	18	6	13	10	10	16	11	7	7	14
Astronomy	0	1	0	0	0	1	0	0	0	0
Chemistry	11	4	9	9	8	7	9	6	6	11
Physics	7	1	4	1	2	8	2	1	1	3
Psychology	20	12	16	14	9	14	10	4	13	15
Social sciences	5	6	9	13	16	13	9	11	11	12
Engineering	19	16	15	16	9	15	17	17	11	22
Aeronautical/astronautical engineering	0	1	0	0	1	0	2	0	0	1
Chemical engineering	1	3	1	3	0	3	4	0	3	5
Civil engineering	5	1	1	2	2	1	3	7	2	3
Electrical engineering	3	3	9	6	2	6	4	3	2	4
Industrial engineering	1	2	0	0	0	1	0	1	1	2
Materials/metallurgical engineering	0	1	2	2	1	2	0	0	1	1
Mechanical engineering	6	5	2	2	1	1	1	3	1	3
Other engineering	3	0	0	1	2	1	3	3	1	3
Non-science and engineering	55	59	53	51	54	56	51	42	30	41
Education	21	28	24	24	26	26	17	17	12	15
Health	3	3	5	3	2	2	0	2	0	3
Humanities	26	20	14	19	18	25	29	17	12	14
Professional/other/unknown	5	8	10	5	8	3	5	6	6	9
Other Hispanic, all fields	235	274	217	222	187	220	267	222	224	236
Science and engineering	153	185	146	140	122	139	156	145	159	147
Science	122	139	119	120	89	99	111	123	134	123
Agricultural sciences	7	8	4	6	5	3	5	2	5	4
Biological sciences	34	31	39	37	29	23	36	28	41	44
Computer sciences	5	8	4	3	0	4	2	4	5	2
Earth, atmospheric, and ocean sciences	4	5	6	5	1	4	2	1	3	4
Mathematics	7	11	2	2	4	4	7	10	8	4
Physical sciences	16	15	12	20	18	11	16	17	18	15
Astronomy	2	0	1	1	3	1	1	3	0	0
Chemistry	8	9	7	6	12	8	4	8	12	12
Physics	6	6	4	13	3	2	11	6	6	3
Psychology	20	24	24	22	15	25	22	36	21	17
Social sciences	29	37	28	25	17	25	21	25	33	33
Engineering	31	46	27	20	33	40	45	22	25	24
Aeronautical/astronautical engineering	3	0	0	3	3	1	1	1	2	0
Chemical engineering	1	6	1	4	1	5	5	4	4	2
Civil engineering	3	7	3	1	4	6	4	2	5	2
Electrical engineering	12	16	13	9	5	15	12	4	6	5
Industrial engineering	1	0	0	0	0	1	3	0	0	1
Materials/metallurgical engineering	4	2	2	1	2	3	3	3	1	4
Mechanical engineering	2	10	4	1	12	3	8	4	3	3
Other engineering	5	5	4	1	6	6	9	4	4	7
Non-science and engineering	82	89	71	82	65	81	111	77	65	89
Education	23	36	30	28	12	23	42	21	19	26
Health	4	8	3	5	1	3	7	4	6	2

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	43	33	34	41	40	44	52	38	28	48
Professional/other/unknown	12	12	4	8	12	11	10	14	12	13
White, all fields	12,532	12,443	12,203	11,855	11,303	10,478	10,499	10,451	10,411	10,776
Science and engineering	8,211	8,181	7,920	7,575	7,201	6,626	6,679	6,707	6,711	6,963
Science	6,372	6,422	6,262	6,129	5,845	5,487	5,499	5,540	5,460	5,663
Agricultural sciences	320	290	299	281	268	259	303	290	294	299
Biological sciences	1,716	1,758	1,663	1,733	1,728	1,685	1,581	1,678	1,681	1,689
Computer sciences	278	307	269	254	246	213	235	240	246	312
Earth, atmospheric, and ocean sciences	321	302	264	278	226	225	248	221	240	252
Mathematics	325	356	326	318	286	252	280	261	294	351
Physical sciences	1,393	1,399	1,371	1,204	1,178	1,070	1,088	1,052	1,030	1,145
Astronomy	107	91	83	85	75	67	77	67	72	74
Chemistry	748	766	773	644	653	639	677	623	602	663
Physics	538	542	515	475	450	364	334	362	356	408
Psychology	824	866	899	864	810	733	704	720	724	604
Social sciences	1,195	1,144	1,171	1,197	1,103	1,050	1,060	1,078	951	1,011
Engineering	1,839	1,759	1,658	1,446	1,356	1,139	1,180	1,167	1,251	1,300
Aeronautical/astronautical engineering	121	107	84	90	62	62	50	49	63	53
Chemical engineering	221	212	233	202	208	166	153	167	179	205
Civil engineering	168	156	175	149	128	132	148	106	124	116
Electrical engineering	483	443	433	347	309	252	244	259	297	292
Industrial engineering	59	54	50	40	34	32	29	36	34	30
Materials/metallurgical engineering	179	191	138	145	125	92	115	128	117	121
Mechanical engineering	329	316	279	231	266	195	206	165	203	219
Other engineering	279	280	266	242	224	208	235	257	234	264
Non-science and engineering	4,321	4,262	4,283	4,280	4,102	3,852	3,820	3,744	3,700	3,813
Education	1,602	1,571	1,579	1,518	1,480	1,365	1,368	1,354	1,308	1,349
Health	214	224	245	261	260	273	256	256	263	263
Humanities	1,776	1,787	1,827	1,851	1,770	1,683	1,676	1,608	1,580	1,646
Professional/other/unknown	729	680	632	650	592	531	520	526	549	555
Other/unknown, all fields ^c	622	573	335	380	453	437	608	574	421	478
Science and engineering	395	372	226	259	303	280	411	402	290	336
Science	290	281	167	200	238	211	353	323	245	258
Agricultural sciences	14	8	8	11	6	7	13	17	6	9
Biological sciences	60	70	39	68	73	65	109	80	67	77
Computer sciences	22	18	10	11	10	6	18	15	18	20
Earth, atmospheric, and ocean sciences	14	15	8	9	13	5	11	13	6	12
Mathematics	18	16	11	6	6	8	18	20	12	14
Physical sciences	58	68	35	37	51	47	74	79	50	41
Astronomy	9	9	1	3	4	3	12	6	6	3
Chemistry	28	32	17	23	24	23	42	40	21	23
Physics	21	27	17	11	23	21	20	33	23	15
Psychology	39	33	11	16	31	24	37	29	35	30
Social sciences	65	53	45	42	48	49	73	70	51	55
Engineering	105	91	59	59	65	69	58	79	45	78
Aeronautical/astronautical engineering	7	8	1	2	3	1	1	2	4	7
Chemical engineering	12	12	4	4	11	10	6	12	8	8
Civil engineering	7	10	4	7	12	5	8	3	4	3
Electrical engineering	38	15	18	16	13	21	16	24	9	23
Industrial engineering	2	3	1	2	4	2	2	4	1	0
Materials/metallurgical engineering	7	12	7	6	6	4	4	6	1	8
Mechanical engineering	14	15	13	10	9	15	12	12	7	14
Other engineering	18	16	11	12	7	11	9	16	11	15
Non-science and engineering	227	201	109	121	150	157	197	172	131	142
Education	91	65	34	33	38	58	69	49	42	44

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	4	12	5	7	6	9	17	15	10	13
Humanities	95	93	51	69	81	74	88	71	57	66
Professional/other/unknown	37	31	19	12	25	16	23	37	22	19

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All fields	13,076	13,603	13,475	13,827	13,369	13,165	13,417	13,476	13,531	13,644
Science and engineering	6,216	6,521	6,472	6,625	6,357	6,203	6,323	6,404	6,626	6,859
Science	5,802	6,146	6,045	6,204	5,945	5,836	5,949	5,991	6,230	6,368
Agricultural sciences	154	172	168	174	177	168	175	206	208	209
Biological sciences	1,637	1,686	1,649	1,808	1,790	1,735	1,767	1,877	2,025	2,037
Computer sciences	82	104	91	73	85	79	79	88	86	92
Earth, atmospheric, and ocean sciences	131	138	120	135	128	151	143	163	154	163
Mathematics	143	172	165	145	138	123	131	132	120	139
Physical sciences	468	509	465	476	465	481	494	453	515	513
Astronomy	25	23	24	32	27	21	28	32	34	33
Chemistry	351	397	362	375	365	383	367	346	411	398
Physics	92	89	79	69	73	77	99	75	70	82
Psychology	2,044	2,156	2,180	2,133	1,961	1,838	1,918	1,845	1,929	1,957
Social sciences	1,143	1,209	1,207	1,260	1,201	1,261	1,242	1,227	1,193	1,258
Engineering	414	375	427	421	412	367	374	413	396	491
Aeronautical/astronautical engineering	12	12	10	14	17	10	9	10	11	9
Chemical engineering	61	64	65	92	82	73	68	71	67	95
Civil engineering	45	50	54	42	59	49	63	56	64	56
Electrical engineering	74	66	62	69	44	45	46	53	55	56
Industrial engineering	25	22	28	17	23	28	17	18	14	24
Materials/metallurgical engineering	58	37	49	47	47	42	35	32	44	54
Mechanical engineering	46	42	52	47	34	34	31	42	36	56
Other engineering	93	82	107	93	106	86	105	131	105	141
Non-science and engineering	6,860	7,082	7,003	7,202	7,012	6,962	7,094	7,072	6,905	6,785
Education	3,598	3,594	3,690	3,676	3,501	3,532	3,703	3,571	3,488	3,248
Health	704	799	687	811	761	814	838	869	875	930
Humanities	1,878	1,952	1,944	2,043	2,070	1,934	1,915	1,913	1,801	1,858
Professional/other/unknown	680	737	682	672	680	682	638	719	741	749
American Indian/Alaska Native, all fields	88	85	118	93	83	80	82	73	82	64
Science and engineering	34	42	55	45	32	32	38	27	32	23
Science	31	38	53	41	30	32	36	25	31	23
Agricultural sciences	0	2	0	1	0	0	1	2	2	2
Biological sciences	3	6	10	7	7	6	8	4	6	2
Computer sciences	1	0	1	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	1	3	1	0	0	1	0	3	0
Mathematics	0	2	0	1	1	1	1	0	0	0
Physical sciences	0	1	3	2	2	0	1	1	0	1
Astronomy	0	0	1	1	0	0	0	0	0	0
Chemistry	0	1	2	1	2	0	1	0	0	1
Physics	0	0	0	0	0	0	0	1	0	0
Psychology	12	18	23	19	12	8	14	9	9	12
Social sciences	14	8	13	10	8	17	10	9	11	6
Engineering	3	4	2	4	2	0	2	2	1	0
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	0	0
Chemical engineering	1	3	1	1	0	0	1	1	0	0
Civil engineering	1	0	1	1	0	0	0	1	0	0
Electrical engineering	0	0	0	0	0	0	0	0	0	0
Industrial engineering	0	0	0	0	0	0	0	0	0	0
Materials engineering	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	1	0	0	1	0	0	0	0	1	0
Other engineering	0	1	0	1	2	0	1	0	0	0
Non-science and engineering	54	43	63	48	51	48	44	46	50	41
Education	33	24	39	34	31	30	31	33	34	20
Health	4	3	6	3	4	3	1	3	2	3
Humanities	11	7	10	9	12	8	8	5	11	13
Professional/other/unknown	6	9	8	2	4	7	4	5	3	5

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Asian, all fields ^a	553	523	539	625	651	619	628	723	732	790
Science and engineering	366	356	358	394	436	411	402	472	491	532
Science	320	305	317	337	380	362	356	421	436	459
Agricultural sciences	6	4	11	4	7	6	4	8	7	10
Biological sciences	123	119	122	146	168	176	168	190	204	181
Computer sciences	11	10	9	8	11	13	7	9	15	16
Earth, atmospheric, and ocean sciences	3	1	4	4	3	4	3	2	4	8
Mathematics	6	13	6	10	9	4	17	9	10	13
Physical sciences	44	36	41	37	41	31	40	37	43	50
Astronomy	0	1	0	2	0	0	3	3	2	3
Chemistry	30	25	35	27	35	25	24	28	35	40
Physics	14	10	6	8	6	6	13	6	6	7
Psychology	80	70	79	82	80	70	68	110	90	108
Social sciences	47	52	45	46	61	58	49	56	63	73
Engineering	46	51	41	57	56	49	46	51	55	73
Aeronautical/astronautical engineering	0	0	1	0	3	1	2	1	0	2
Chemical engineering	3	9	9	15	13	11	8	13	10	16
Civil engineering	3	3	1	6	5	3	2	4	4	8
Electrical engineering	16	18	12	14	10	11	16	9	7	15
Industrial engineering	0	1	0	1	2	1	0	2	0	0
Materials/metallurgical engineering	6	4	6	7	5	7	2	5	7	9
Mechanical engineering	8	7	5	9	5	7	6	5	3	9
Other engineering	10	9	7	5	13	8	10	12	24	14
Non-science and engineering	187	167	181	231	215	208	226	251	241	258
Education	75	62	59	83	74	66	77	85	77	88
Health	27	18	29	37	45	45	41	42	60	55
Humanities	63	64	71	80	70	78	83	83	82	82
Professional/other/unknown	22	23	22	31	26	19	25	41	22	33
Black/African American, all fields	808	961	1,022	1,070	1,022	1,054	1,113	1,236	1,096	1,079
Science and engineering	269	336	345	376	358	357	361	404	370	408
Science	247	315	322	352	333	331	343	371	347	368
Agricultural sciences	5	2	7	8	5	5	7	11	9	8
Biological sciences	57	67	62	70	81	64	62	84	93	83
Computer sciences	1	8	9	5	10	7	5	5	8	4
Earth, atmospheric, and ocean sciences	1	1	4	1	2	0	6	1	1	2
Mathematics	2	7	6	7	7	8	4	2	7	6
Physical sciences	10	26	24	18	19	27	17	21	16	17
Astronomy	1	0	2	1	0	1	0	0	0	0
Chemistry	8	23	19	16	18	22	12	18	15	15
Physics	1	3	3	1	1	4	5	3	1	2
Psychology	105	114	132	142	121	123	124	156	120	135
Social sciences	66	90	78	101	88	97	118	91	93	113
Engineering	22	21	23	24	25	26	18	33	23	40
Aeronautical/astronautical engineering	0	0	1	1	0	0	0	0	0	0
Chemical engineering	6	1	4	5	10	5	2	7	6	7
Civil engineering	0	2	2	1	0	4	2	3	5	4
Electrical engineering	3	4	5	2	1	4	4	9	6	4
Industrial engineering	4	6	3	0	3	1	2	1	1	5
Materials/metallurgical engineering	1	3	2	1	4	2	1	3	0	4
Mechanical engineering	1	0	1	5	1	4	1	2	0	5
Other engineering	7	5	5	9	6	6	6	8	5	11
Non-science and engineering	539	625	677	694	664	697	752	832	726	671
Education	372	452	476	500	453	477	520	555	479	414
Health	39	49	43	56	51	56	59	78	89	95
Humanities	71	69	89	84	97	86	88	95	83	82
Professional/other/unknown	57	55	69	54	63	78	85	104	75	80

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Hispanic, all fields ^b	520	595	674	635	626	700	685	638	748	755
Science and engineering	236	303	330	313	296	341	325	326	369	397
Science	215	290	308	303	277	318	307	309	348	367
Agricultural sciences	3	9	4	7	11	8	8	11	6	11
Biological sciences	57	71	69	82	72	99	69	98	104	93
Computer sciences	2	1	3	2	3	2	4	3	3	2
Earth, atmospheric, and ocean sciences	5	5	4	3	2	0	4	5	7	10
Mathematics	5	7	3	6	5	3	5	4	6	10
Physical sciences	12	10	21	22	20	19	19	21	29	24
Astronomy	1	0	0	0	1	1	1	2	2	1
Chemistry	10	9	20	20	15	16	15	18	27	21
Physics	1	1	1	2	4	2	3	1	0	2
Psychology	101	144	152	144	114	126	114	110	120	151
Social sciences	30	43	52	37	50	61	84	57	73	66
Engineering	21	13	22	10	19	23	18	17	21	30
Aeronautical/astronautical engineering	0	1	0	0	0	0	0	0	1	0
Chemical engineering	2	0	3	3	4	7	3	3	3	11
Civil engineering	1	3	6	1	2	0	4	3	2	3
Electrical engineering	6	2	4	0	2	3	3	2	1	1
Industrial engineering	2	2	1	0	3	3	0	0	0	3
Materials/metallurgical engineering	4	3	2	3	4	2	2	1	7	4
Mechanical engineering	3	1	1	1	0	5	1	2	5	1
Other engineering	3	1	5	2	4	3	5	6	2	7
Non-science and engineering	284	292	344	322	330	359	360	312	379	358
Education	162	175	200	178	179	209	213	168	201	190
Health	22	25	28	23	18	22	29	34	28	31
Humanities	83	73	85	94	108	105	90	88	104	99
Professional/other/unknown	17	19	31	27	25	23	28	22	46	38
Mexican American, all fields	142	199	186	204	191	229	256	219	271	274
Science and engineering	67	84	72	86	74	103	106	108	108	124
Science	60	81	68	83	70	97	102	103	100	119
Agricultural sciences	0	3	0	2	1	4	1	4	0	5
Biological sciences	20	20	16	19	17	31	21	26	25	32
Computer sciences	0	0	0	1	0	0	2	0	1	0
Earth, atmospheric, and ocean sciences	1	1	1	1	1	0	0	1	1	4
Mathematics	1	3	2	4	3	1	2	1	2	3
Physical sciences	2	3	5	3	2	6	10	9	4	6
Astronomy	0	0	0	0	0	1	0	1	1	1
Chemistry	2	3	4	3	2	3	9	7	3	5
Physics	0	0	1	0	0	2	1	1	0	0
Psychology	29	34	26	38	32	36	35	37	33	44
Social sciences	7	17	18	15	14	19	31	25	34	25
Engineering	7	3	4	3	4	6	4	5	8	5
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	0	0
Chemical engineering	1	0	0	1	0	2	1	0	1	1
Civil engineering	1	1	2	0	1	0	0	1	0	0
Electrical engineering	3	0	1	0	2	0	1	1	1	0
Industrial engineering	0	0	0	0	0	0	0	0	0	0
Materials/metallurgical engineering	2	2	0	2	1	1	1	1	2	1
Mechanical engineering	0	0	0	0	0	2	0	0	3	0
Other engineering	0	0	1	0	0	1	1	2	1	3
Non-science and engineering	75	115	114	118	117	126	150	111	163	150
Education	48	71	68	68	66	88	99	71	97	92
Health	7	14	11	9	5	5	11	6	13	11
Humanities	16	24	22	35	37	28	27	28	39	36
Professional/other/unknown	4	6	13	6	9	5	13	6	14	11

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Puerto Rican, all fields	160	180	194	197	174	197	134	152	165	184
Science and engineering	73	104	96	105	81	104	72	75	92	109
Science	69	103	88	101	77	93	70	73	87	93
Agricultural sciences	1	1	1	3	4	3	3	4	5	2
Biological sciences	16	23	23	22	30	38	13	30	34	28
Computer sciences	0	1	1	0	0	0	0	2	0	0
Earth, atmospheric, and ocean sciences	2	3	1	0	0	0	0	3	2	2
Mathematics	1	3	0	1	0	0	2	1	1	1
Physical sciences	2	5	9	10	4	4	6	9	10	13
Astronomy	0	0	0	0	0	0	1	0	0	0
Chemistry	2	5	9	10	3	4	5	9	10	13
Physics	0	0	0	0	1	0	0	0	0	0
Psychology	36	59	41	59	30	36	37	15	24	41
Social sciences	11	8	12	6	9	12	9	9	11	6
Engineering	4	1	8	4	4	11	2	2	5	16
Aeronautical/astronautical engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	0	0	1	2	2	5	0	1	2	9
Civil engineering	0	0	1	0	0	0	1	0	0	3
Electrical engineering	1	0	2	0	0	1	0	1	0	0
Industrial engineering	1	1	1	0	2	2	0	0	0	1
Materials/metallurgical engineering	1	0	1	1	0	0	0	0	1	2
Mechanical engineering	0	0	0	0	0	2	1	0	0	0
Other engineering	1	0	2	1	0	1	0	0	1	1
Non-science and engineering	87	76	98	92	93	93	62	77	73	75
Education	51	49	66	51	61	54	35	39	30	40
Health	7	4	6	6	3	7	4	14	6	4
Humanities	23	17	17	25	23	25	13	18	23	20
Professional/other/unknown	6	6	9	10	6	7	10	6	14	11
Other Hispanic, all fields	218	216	294	234	261	274	295	267	312	297
Science and engineering	96	115	162	122	141	134	147	143	169	164
Science	86	106	152	119	130	128	135	133	161	155
Agricultural sciences	2	5	3	2	6	1	4	3	1	4
Biological sciences	21	28	30	41	25	30	35	42	45	33
Computer sciences	2	0	2	1	3	2	2	1	2	2
Earth, atmospheric, and ocean sciences	2	1	2	2	1	0	4	1	4	4
Mathematics	3	1	1	1	2	2	1	2	3	6
Physical sciences	8	2	7	9	14	9	3	3	15	5
Astronomy	1	0	0	0	1	0	0	1	1	0
Chemistry	6	1	7	7	10	9	1	2	14	3
Physics	1	1	0	2	3	0	2	0	0	2
Psychology	36	51	85	47	52	54	42	58	63	66
Social sciences	12	18	22	16	27	30	44	23	28	35
Engineering	10	9	10	3	11	6	12	10	8	9
Aeronautical/astronautical engineering	0	1	0	0	0	0	0	0	0	0
Chemical engineering	1	0	2	0	2	0	2	2	0	1
Civil engineering	0	2	3	1	1	0	3	2	2	0
Electrical engineering	2	2	1	0	0	2	2	0	0	1
Industrial engineering	1	1	0	0	1	1	0	0	0	2
Materials/metallurgical engineering	1	1	1	0	3	1	1	0	4	1
Mechanical engineering	3	1	1	1	0	1	0	2	2	1
Other engineering	2	1	2	1	4	1	4	4	0	3
Non-science and engineering	122	101	132	112	120	140	148	124	143	133
Education	63	55	66	59	52	67	79	58	74	58
Health	8	7	11	8	10	10	14	14	9	16

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Humanities	44	32	46	34	48	52	50	42	42	43
Professional/other/unknown	7	7	9	11	10	11	5	10	18	16
White, all fields	10,650	11,050	10,896	11,117	10,618	10,320	10,384	10,315	10,443	10,504
Science and engineering	5,081	5,292	5,276	5,347	5,045	4,876	4,939	4,925	5,133	5,264
Science	4,769	5,013	4,943	5,028	4,748	4,619	4,662	4,629	4,861	4,931
Agricultural sciences	132	149	143	152	149	147	149	167	179	173
Biological sciences	1,352	1,386	1,354	1,462	1,418	1,345	1,399	1,427	1,562	1,614
Computer sciences	63	78	67	57	57	55	59	68	55	70
Earth, atmospheric, and ocean sciences	114	127	101	120	119	136	121	143	134	141
Mathematics	124	138	148	119	111	102	99	115	93	101
Physical sciences	387	425	369	390	369	395	393	358	411	406
Astronomy	22	22	21	26	25	18	22	25	28	28
Chemistry	292	330	281	308	284	313	297	271	323	310
Physics	73	73	67	56	60	64	74	62	60	68
Psychology	1,657	1,732	1,768	1,706	1,572	1,462	1,522	1,385	1,519	1,478
Social sciences	940	978	993	1,022	953	977	920	966	908	948
Engineering	312	279	333	319	297	257	277	296	272	333
Aeronautical/astronautical engineering	12	11	8	13	13	8	6	7	8	7
Chemical engineering	48	50	46	66	55	48	50	45	44	59
Civil engineering	38	41	44	32	48	38	55	44	50	39
Electrical engineering	46	42	39	51	30	27	20	32	35	34
Industrial engineering	19	13	24	16	15	21	14	15	12	15
Materials/metallurgical engineering	47	26	39	35	33	29	28	22	28	37
Mechanical engineering	32	32	44	31	26	18	22	31	26	40
Other engineering	70	64	89	75	77	68	82	100	69	102
Non-science and engineering	5,569	5,758	5,620	5,770	5,573	5,444	5,445	5,390	5,310	5,240
Education	2,814	2,785	2,860	2,812	2,689	2,651	2,738	2,625	2,623	2,448
Health	599	683	571	679	625	672	678	683	672	722
Humanities	1,591	1,677	1,642	1,732	1,714	1,591	1,555	1,558	1,442	1,509
Professional/other/unknown	565	613	547	547	545	530	474	524	573	561
Other/unknown, all fields ^c	457	389	226	287	369	392	525	491	430	452
Science and engineering	230	192	108	150	190	186	258	250	231	235
Science	220	185	102	143	177	174	245	236	207	220
Agricultural sciences	8	6	3	2	5	2	6	7	5	5
Biological sciences	45	37	32	41	44	45	61	74	56	64
Computer sciences	4	7	2	1	4	2	4	3	5	0
Earth, atmospheric, and ocean sciences	7	3	4	6	2	11	8	12	5	2
Mathematics	6	5	2	2	5	5	5	2	4	9
Physical sciences	15	11	7	7	14	9	24	15	16	15
Astronomy	1	0	0	2	1	1	2	2	2	1
Chemistry	11	9	5	3	11	7	18	11	11	11
Physics	3	2	2	2	2	1	4	2	3	3
Psychology	89	78	26	40	62	49	76	75	71	73
Social sciences	46	38	26	44	41	51	61	48	45	52
Engineering	10	7	6	7	13	12	13	14	24	15
Aeronautical/astronautical engineering	0	0	0	0	1	1	1	2	2	0
Chemical engineering	1	1	2	2	0	2	4	2	4	2
Civil engineering	2	1	0	1	4	4	0	1	3	2
Electrical engineering	3	0	2	2	1	0	3	1	6	2
Industrial engineering	0	0	0	0	0	2	1	0	1	1
Materials/metallurgical engineering	0	1	0	1	1	2	2	1	2	0
Mechanical engineering	1	2	1	0	2	0	1	2	1	1
Other engineering	3	2	1	1	4	1	1	5	5	7
Non-science and engineering	227	197	118	137	179	206	267	241	199	217
Education	142	96	56	69	75	99	124	105	74	88

TABLE 10. Doctorates awarded to female U.S. citizens, by race/ethnicity and major field of study of recipients: 1997–2006

Race/ethnicity and field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Health	13	21	10	13	18	16	30	29	24	24
Humanities	59	62	47	44	69	66	91	84	79	73
Professional/other/unknown	13	18	5	11	17	25	22	23	22	32

^a Pacific Islanders were included in this category prior to 2001.

^b Includes Mexican American, Puerto Rican, and other Hispanic.

^c Native Hawaiians/Other Pacific Islanders and multiple race/ethnicity are included in this category from 2001 forward.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All non-U.S. citizens	9,788	9,736	8,894	9,070	9,217	8,867	9,483	10,158	11,519	12,775
North America	498	571	557	613	597	577	635	680	714	667
Canada	263	286	289	294	306	316	324	380	368	363
Caribbean	49	65	54	54	40	44	44	77	97	73
Central America	38	44	42	57	45	35	49	42	43	48
Mexico	148	176	172	208	206	182	218	181	206	183
South America	414	435	444	447	416	412	458	480	544	535
Argentina	69	71	56	78	69	65	74	89	93	99
Brazil	151	164	164	131	142	126	108	136	156	139
Chile	31	26	33	42	26	40	66	43	42	56
Colombia	40	32	52	56	59	55	81	75	105	97
South America, other	123	142	139	140	120	126	129	137	148	144
Europe	1,313	1,524	1,487	1,507	1,648	1,554	1,607	1,657	1,758	1,767
Belgium	18	17	21	21	23	16	23	17	28	18
England, United Kingdom	92	124	142	100	138	134	109	109	108	100
France	74	76	79	83	85	92	87	92	113	124
Germany	181	210	183	229	220	197	192	185	182	176
Europe, other	948	1,097	1,062	1,074	1,182	1,115	1,196	1,254	1,327	1,349
East Asia	4,810	4,689	4,164	4,301	4,337	4,288	4,552	4,925	5,760	6,546
China, People's Republic of	2,395	2,503	2,234	2,379	2,407	2,402	2,503	2,878	3,482	4,280
Hong Kong	86	91	54	46	46	42	32	32	41	43
Japan	155	155	158	201	149	157	201	186	211	222
Korea	901	822	760	754	865	856	958	1,057	1,179	1,219
Taiwan	1,093	910	746	676	539	469	440	394	444	431
Thailand	97	122	134	153	237	264	314	272	252	199
East Asia, other	83	86	78	92	94	98	104	106	151	152
West Asia	2,044	1,834	1,647	1,594	1,648	1,493	1,667	1,792	2,086	2,616
India	1,281	1,134	915	834	818	681	773	864	1,110	1,524
Iran	113	93	92	80	100	59	68	60	136	148
Iraq	7	5	5	2	7	3	0	2	0	3
Israel	63	57	47	46	49	50	66	75	74	73
Lebanon	30	38	25	28	28	31	32	33	28	54
Saudi Arabia	70	46	58	56	52	72	65	95	76	61
Turkey	170	172	192	275	307	345	374	344	342	357
West Asia, other	310	289	313	273	287	252	289	319	320	396
Pacific/Australasia	209	205	161	180	158	154	145	174	179	182
Australia	48	46	49	42	45	32	28	46	51	57
Indonesia	67	64	45	63	48	66	47	68	58	52
Pacific/Australasia, other	94	95	67	75	65	56	70	60	70	73
Africa	367	373	338	366	337	295	339	376	408	437
Egypt	77	92	63	83	75	95	109	125	137	118
Nigeria	25	34	35	23	20	13	13	19	22	35
Africa, other	265	247	240	260	242	187	217	232	249	284
Country unknown	133	105	96	62	76	94	80	74	70	25
Science	6,640	6,678	6,299	6,269	6,129	5,945	6,305	6,605	7,481	8,203
North America	413	472	446	495	489	480	519	559	568	559
Canada	219	249	238	244	261	279	290	322	316	313
Caribbean	36	48	41	46	32	35	42	64	79	62
Central America	35	38	37	51	36	31	37	34	31	39
Mexico	123	137	130	154	160	135	150	139	142	145
South America	318	330	345	335	320	320	376	356	420	408
Argentina	54	58	47	66	55	60	64	69	83	86
Brazil	107	113	121	94	105	93	92	99	120	112

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Chile	30	24	27	33	19	32	54	34	34	38
Colombia	36	24	41	40	47	37	64	52	74	71
South America, other	91	111	109	102	94	98	102	102	109	101
Europe	1,065	1,219	1,211	1,210	1,312	1,253	1,291	1,338	1,452	1,446
Belgium	13	14	20	15	15	12	16	11	18	12
England, United Kingdom	80	112	128	89	127	120	97	94	95	84
France	62	53	56	60	61	67	64	66	81	88
Germany	153	181	145	183	172	152	169	148	154	152
Europe, other	757	859	862	863	937	902	945	1,019	1,104	1,110
East Asia	3,252	3,184	2,878	2,878	2,701	2,627	2,733	2,852	3,405	3,901
China, People's Republic of	1,729	1,802	1,637	1,658	1,527	1,509	1,527	1,668	2,052	2,498
Hong Kong	73	64	43	34	31	31	17	26	31	30
Japan	118	134	127	178	126	126	166	158	175	184
Korea	586	531	484	469	528	503	560	552	653	716
Taiwan	628	523	440	385	297	254	252	243	280	261
Thailand	56	69	82	93	122	133	142	134	117	110
East Asia, other	62	61	65	61	70	71	69	71	97	102
West Asia	1,073	997	968	920	906	894	992	1,037	1,177	1,427
India	653	592	534	473	464	399	468	495	601	819
Iran	52	49	50	42	38	27	27	29	54	42
Iraq	2	2	0	0	5	2	0	0	0	1
Israel	49	45	39	40	38	44	54	57	61	60
Lebanon	21	20	16	16	18	18	18	22	20	33
Saudi Arabia	39	28	32	39	23	46	42	57	46	33
Turkey	73	90	92	139	164	193	207	198	194	196
West Asia, other	184	171	205	171	156	165	176	179	201	243
Pacific/Australasia	162	156	137	136	118	115	110	126	125	136
Australia	40	42	41	38	34	31	23	40	42	49
Indonesia	44	35	32	36	25	37	25	32	29	31
Pacific/Australasia, other	78	79	64	62	59	47	62	54	54	56
Africa	256	258	240	254	235	197	233	273	288	309
Egypt	28	27	14	21	29	39	47	66	76	49
Nigeria	17	27	26	19	17	8	8	15	16	19
Africa, other	211	204	200	214	189	150	178	192	196	241
Country unknown	101	62	74	41	48	59	51	64	46	17
Engineering	3,148	3,058	2,595	2,801	3,088	2,922	3,178	3,553	4,038	4,572
North America	85	99	111	118	108	97	116	121	146	108
Canada	44	37	51	50	45	37	34	58	52	50
Caribbean	13	17	13	8	8	9	2	13	18	11
Central America	3	6	5	6	9	4	12	8	12	9
Mexico	25	39	42	54	46	47	68	42	64	38
South America	96	105	99	112	96	92	82	124	124	127
Argentina	15	13	9	12	14	5	10	20	10	13
Brazil	44	51	43	37	37	33	16	37	36	27
Chile	1	2	6	9	7	8	12	9	8	18
Colombia	4	8	11	16	12	18	17	23	31	26
South America, other	32	31	30	38	26	28	27	35	39	43
Europe	248	305	276	297	336	301	316	319	306	321
Belgium	5	3	1	6	8	4	7	6	10	6
England, United Kingdom	12	12	14	11	11	14	12	15	13	16
France	12	23	23	23	24	25	23	26	32	36
Germany	28	29	38	46	48	45	23	37	28	24
Europe, other	191	238	200	211	245	213	251	235	223	239

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
East Asia	1,558	1,505	1,286	1,423	1,636	1,661	1,819	2,073	2,355	2,645
China, People's Republic of	666	701	597	721	880	893	976	1,210	1,430	1,782
Hong Kong	13	27	11	12	15	11	15	6	10	13
Japan	37	21	31	23	23	31	35	28	36	38
Korea	315	291	276	285	337	353	398	505	526	503
Taiwan	465	387	306	291	242	215	188	151	164	170
Thailand	41	53	52	60	115	131	172	138	135	89
East Asia, other	21	25	13	31	24	27	35	35	54	50
West Asia	971	837	679	674	742	599	675	755	909	1,189
India	628	542	381	361	354	282	305	369	509	705
Iran	61	44	42	38	62	32	41	31	82	106
Iraq	5	3	5	2	2	1	0	2	0	2
Israel	14	12	8	6	11	6	12	18	13	13
Lebanon	9	18	9	12	10	13	14	11	8	21
Saudi Arabia	31	18	26	17	29	26	23	38	30	28
Turkey	97	82	100	136	143	152	167	146	148	161
West Asia, other	126	118	108	102	131	87	113	140	119	153
Pacific/Australasia	47	49	24	44	40	39	35	48	54	46
Australia	8	4	8	4	11	1	5	6	9	8
Indonesia	23	29	13	27	23	29	22	36	29	21
Pacific/Australasia, other	16	16	3	13	6	9	8	6	16	17
Africa	111	115	98	112	102	98	106	103	120	128
Egypt	49	65	49	62	46	56	62	59	61	69
Nigeria	8	7	9	4	3	5	5	4	6	16
Africa, other	54	43	40	46	53	37	39	40	53	43
Country unknown	32	43	22	21	28	35	29	10	24	8
Permanent visa	2,281	1,991	1,654	1,409	1,271	1,173	1,099	1,003	1,113	1,253
North America	107	112	100	92	98	93	82	87	112	97
Canada	57	65	56	51	53	64	44	42	56	49
Caribbean	20	21	20	18	15	15	14	23	37	24
Central America	7	6	12	5	10	6	4	5	6	9
Mexico	23	20	12	18	20	8	20	17	13	15
South America	73	51	50	51	44	53	55	51	50	66
Argentina	20	6	9	12	9	11	11	9	8	20
Brazil	7	12	10	10	12	13	9	12	16	11
Chile	8	7	11	6	0	4	5	7	3	4
Colombia	7	5	5	9	4	8	13	4	8	14
South America, other	31	21	15	14	19	17	17	19	15	17
Europe	342	366	341	340	355	294	296	269	289	311
Belgium	8	3	6	5	5	2	5	2	4	2
England, United Kingdom	39	43	51	36	53	49	33	37	40	23
France	23	25	15	19	23	11	19	10	16	18
Germany	43	43	33	60	39	33	38	32	37	49
Europe, other	229	252	236	220	235	199	201	188	192	219
East Asia	1,274	1,077	749	567	440	450	401	320	397	419
China, People's Republic of	985	848	535	383	302	318	262	187	237	267
Hong Kong	15	14	11	8	6	5	10	5	6	7
Japan	24	22	27	35	21	16	31	20	28	35
Korea	81	71	79	59	51	49	43	54	61	58
Taiwan	153	101	78	65	47	41	33	34	43	30
Thailand	4	8	3	4	6	6	7	9	4	6
East Asia, other	12	13	16	13	7	15	15	11	18	16
West Asia	325	259	285	233	212	196	181	161	169	245
India	195	134	135	108	101	81	85	76	79	118

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Iran	37	38	46	40	29	24	23	15	24	24
Iraq	1	3	3	1	2	1	0	0	0	3
Israel	17	17	16	8	5	17	12	12	8	12
Lebanon	6	7	9	6	5	4	4	2	7	6
Saudi Arabia	1	0	3	3	1	1	2	2	2	1
Turkey	22	18	22	27	33	25	26	25	21	36
West Asia, other	46	42	51	40	36	43	29	29	28	45
Pacific/Australasia	30	26	31	29	24	17	18	24	20	29
Australia	9	6	18	11	13	7	5	12	6	14
Indonesia	8	7	5	10	2	4	5	4	4	10
Pacific/Australasia, other	13	13	8	8	9	6	8	8	10	5
Africa	89	81	78	85	82	50	51	70	59	78
Egypt	14	13	9	17	6	12	8	18	13	10
Nigeria	7	15	20	11	7	5	2	8	5	12
Africa, other	68	53	49	57	69	33	41	44	41	56
Country unknown	41	19	20	12	16	20	15	21	17	8
Science	1,688	1,513	1,250	1,059	972	900	833	761	829	953
North America	93	95	81	79	90	85	68	70	89	83
Canada	50	57	46	44	51	59	35	33	46	43
Caribbean	16	16	15	15	12	13	14	18	27	21
Central America	6	6	10	5	8	6	3	4	4	7
Mexico	21	16	10	15	19	7	16	15	12	12
South America	61	44	43	44	34	45	47	38	38	59
Argentina	15	6	9	11	7	11	10	4	8	17
Brazil	5	10	7	10	8	9	7	7	8	11
Chile	8	7	9	5	0	4	5	6	3	3
Colombia	5	4	4	6	4	6	9	3	6	14
South America, other	28	17	14	12	15	15	16	18	13	14
Europe	271	295	286	272	300	244	244	224	252	273
Belgium	5	3	5	4	3	2	4	1	3	0
England, United Kingdom	35	37	44	32	49	42	26	30	36	20
France	20	19	11	11	18	9	18	10	13	14
Germany	37	39	30	49	30	29	36	30	33	43
Europe, other	174	197	196	176	200	162	160	153	167	196
East Asia	942	823	556	413	315	320	290	223	275	296
China, People's Republic of	759	665	425	284	224	233	191	133	159	186
Hong Kong	11	10	6	7	2	4	6	3	5	6
Japan	21	22	26	32	20	12	27	17	25	24
Korea	45	51	46	37	30	38	29	34	44	44
Taiwan	92	62	40	38	29	20	21	21	27	22
Thailand	4	3	1	3	4	3	4	6	2	2
East Asia, other	10	10	12	12	6	10	12	9	13	12
West Asia	199	163	185	157	136	143	117	113	104	162
India	126	91	96	80	74	56	68	59	49	90
Iran	20	19	27	24	15	15	9	8	14	6
Iraq	0	1	0	0	1	1	0	0	0	1
Israel	15	15	14	8	4	17	7	10	7	10
Lebanon	4	2	2	5	2	3	4	1	5	2
Saudi Arabia	1	0	1	2	0	0	1	1	1	1
Turkey	6	14	11	14	20	14	11	19	14	24
West Asia, other	27	21	34	24	20	37	17	15	14	28
Pacific/Australasia	23	19	25	23	18	16	18	20	16	23
Australia	8	6	14	10	9	7	5	11	5	13
Indonesia	4	1	4	6	1	3	5	1	3	7

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Pacific/Australasia, other	11	12	7	7	8	6	8	8	8	3
Africa	65	60	57	62	65	36	37	56	42	53
Egypt	7	4	3	6	3	5	3	11	7	2
Nigeria	6	13	15	9	4	3	2	7	4	7
Africa, other	52	43	39	47	58	28	32	38	31	44
Country unknown	34	14	17	9	14	11	12	17	13	4
Engineering	593	478	404	350	299	273	266	242	284	300
North America	14	17	19	13	8	8	14	17	23	14
Canada	7	8	10	7	2	5	9	9	10	6
Caribbean	4	5	5	3	3	2	0	5	10	3
Central America	1	0	2	0	2	0	1	1	2	2
Mexico	2	4	2	3	1	1	4	2	1	3
South America	12	7	7	7	10	8	8	13	12	7
Argentina	5	0	0	1	2	0	1	5	0	3
Brazil	2	2	3	0	4	4	2	5	8	0
Chile	0	0	2	1	0	0	0	1	0	1
Colombia	2	1	1	3	0	2	4	1	2	0
South America, other	3	4	1	2	4	2	1	1	2	3
Europe	71	71	55	68	55	50	52	45	37	38
Belgium	3	0	1	1	2	0	1	1	1	2
England, United Kingdom	4	6	7	4	4	7	7	7	4	3
France	3	6	4	8	5	2	1	0	3	4
Germany	6	4	3	11	9	4	2	2	4	6
Europe, other	55	55	40	44	35	37	41	35	25	23
East Asia	332	254	193	154	125	130	111	97	122	123
China, People's Republic of	226	183	110	99	78	85	71	54	78	81
Hong Kong	4	4	5	1	4	1	4	2	1	1
Japan	3	0	1	3	1	4	4	3	3	11
Korea	36	20	33	22	21	11	14	20	17	14
Taiwan	61	39	38	27	18	21	12	13	16	8
Thailand	0	5	2	1	2	3	3	3	2	4
East Asia, other	2	3	4	1	1	5	3	2	5	4
West Asia	126	96	100	76	76	53	64	48	65	83
India	69	43	39	28	27	25	17	17	30	28
Iran	17	19	19	16	14	9	14	7	10	18
Iraq	1	2	3	1	1	0	0	0	0	2
Israel	2	2	2	0	1	0	5	2	1	2
Lebanon	2	5	7	1	3	1	0	1	2	4
Saudi Arabia	0	0	2	1	1	1	1	1	1	0
Turkey	16	4	11	13	13	11	15	6	7	12
West Asia, other	19	21	17	16	16	6	12	14	14	17
Pacific/Australasia	7	7	6	6	6	1	0	4	4	6
Australia	1	0	4	1	4	0	0	1	1	1
Indonesia	4	6	1	4	1	1	0	3	1	3
Pacific/Australasia, other	2	1	1	1	1	0	0	0	2	2
Africa	24	21	21	23	17	14	14	14	17	25
Egypt	7	9	6	11	3	7	5	7	6	8
Nigeria	1	2	5	2	3	2	0	1	1	5
Africa, other	16	10	10	10	11	5	9	6	10	12
Country unknown	7	5	3	3	2	9	3	4	4	4
Temporary visa	7,507	7,745	7,240	7,661	7,946	7,694	8,384	9,155	10,406	11,522
North America	391	459	457	521	499	484	553	593	602	570

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Canada	206	221	233	243	253	252	280	338	312	314
Caribbean	29	44	34	36	25	29	30	54	60	49
Central America	31	38	30	52	35	29	45	37	37	39
Mexico	125	156	160	190	186	174	198	164	193	168
South America	341	384	394	396	372	359	403	429	494	469
Argentina	49	65	47	66	60	54	63	80	85	79
Brazil	144	152	154	121	130	113	99	124	140	128
Chile	23	19	22	36	26	36	61	36	39	52
Colombia	33	27	47	47	55	47	68	71	97	83
South America, other	92	121	124	126	101	109	112	118	133	127
Europe	971	1,158	1,146	1,167	1,293	1,260	1,311	1,388	1,469	1,456
Belgium	10	14	15	16	18	14	18	15	24	16
England, United Kingdom	53	81	91	64	85	85	76	72	68	77
France	51	51	64	64	62	81	68	82	97	106
Germany	138	167	150	169	181	164	154	153	145	127
Europe, other	719	845	826	854	947	916	995	1,066	1,135	1,130
East Asia	3,536	3,612	3,415	3,734	3,897	3,838	4,151	4,605	5,363	6,127
China, People's Republic of	1,410	1,655	1,699	1,996	2,105	2,084	2,241	2,691	3,245	4,013
Hong Kong	71	77	43	38	40	37	22	27	35	36
Japan	131	133	131	166	128	141	170	166	183	187
Korea	820	751	681	695	814	807	915	1,003	1,118	1,161
Taiwan	940	809	668	611	492	428	407	360	401	401
Thailand	93	114	131	149	231	258	307	263	248	193
East Asia, other	71	73	62	79	87	83	89	95	133	136
West Asia	1,719	1,575	1,362	1,361	1,436	1,297	1,486	1,631	1,917	2,371
India	1,086	1,000	780	726	717	600	688	788	1,031	1,406
Iran	76	55	46	40	71	35	45	45	112	124
Iraq	6	2	2	1	5	2	0	2	0	0
Israel	46	40	31	38	44	33	54	63	66	61
Lebanon	24	31	16	22	23	27	28	31	21	48
Saudi Arabia	69	46	55	53	51	71	63	93	74	60
Turkey	148	154	170	248	274	320	348	319	321	321
West Asia, other	264	247	262	233	251	209	260	290	292	351
Pacific/Australasia	179	179	130	151	134	137	127	150	159	153
Australia	39	40	31	31	32	25	23	34	45	43
Indonesia	59	57	40	53	46	62	42	64	54	42
Pacific/Australasia, other	81	82	59	67	56	50	62	52	60	68
Africa	278	292	260	281	255	245	288	306	349	359
Egypt	63	79	54	66	69	83	101	107	124	108
Nigeria	18	19	15	12	13	8	11	11	17	23
Africa, other	197	194	191	203	173	154	176	188	208	228
Country unknown	92	86	76	50	60	74	65	53	53	17
Science	4,952	5,165	5,049	5,210	5,157	5,045	5,472	5,844	6,652	7,250
North America	320	377	365	416	399	395	451	489	479	476
Canada	169	192	192	200	210	220	255	289	270	270
Caribbean	20	32	26	31	20	22	28	46	52	41
Central America	29	32	27	46	28	25	34	30	27	32
Mexico	102	121	120	139	141	128	134	124	130	133
South America	257	286	302	291	286	275	329	318	382	349
Argentina	39	52	38	55	48	49	54	65	75	69
Brazil	102	103	114	84	97	84	85	92	112	101
Chile	22	17	18	28	19	28	49	28	31	35
Colombia	31	20	37	34	43	31	55	49	68	57
South America, other	63	94	95	90	79	83	86	84	96	87

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Europe	794	924	925	938	1,012	1,009	1,047	1,114	1,200	1,173
Belgium	8	11	15	11	12	10	12	10	15	12
England, United Kingdom	45	75	84	57	78	78	71	64	59	64
France	42	34	45	49	43	58	46	56	68	74
Germany	116	142	115	134	142	123	133	118	121	109
Europe, other	583	662	666	687	737	740	785	866	937	914
East Asia	2,310	2,361	2,322	2,465	2,386	2,307	2,443	2,629	3,130	3,605
China, People's Republic of	970	1,137	1,212	1,374	1,303	1,276	1,336	1,535	1,893	2,312
Hong Kong	62	54	37	27	29	27	11	23	26	24
Japan	97	112	101	146	106	114	139	141	150	160
Korea	541	480	438	432	498	465	531	518	609	672
Taiwan	536	461	400	347	268	234	231	222	253	239
Thailand	52	66	81	90	118	130	138	128	115	108
East Asia, other	52	51	53	49	64	61	57	62	84	90
West Asia	874	834	783	763	770	751	875	924	1,073	1,265
India	527	501	438	393	390	343	400	436	552	729
Iran	32	30	23	18	23	12	18	21	40	36
Iraq	2	1	0	0	4	1	0	0	0	0
Israel	34	30	25	32	34	27	47	47	54	50
Lebanon	17	18	14	11	16	15	14	21	15	31
Saudi Arabia	38	28	31	37	23	46	41	56	45	32
Turkey	67	76	81	125	144	179	196	179	180	172
West Asia, other	157	150	171	147	136	128	159	164	187	215
Pacific/Australasia	139	137	112	113	100	99	92	106	109	113
Australia	32	36	27	28	25	24	18	29	37	36
Indonesia	40	34	28	30	24	34	20	31	26	24
Pacific/Australasia, other	67	67	57	55	51	41	54	46	46	53
Africa	191	198	183	192	170	161	196	217	246	256
Egypt	21	23	11	15	26	34	44	55	69	47
Nigeria	11	14	11	10	13	5	6	8	12	12
Africa, other	159	161	161	167	131	122	146	154	165	197
Country unknown	67	48	57	32	34	48	39	47	33	13
Engineering	2,555	2,580	2,191	2,451	2,789	2,649	2,912	3,311	3,754	4,272
North America	71	82	92	105	100	89	102	104	123	94
Canada	37	29	41	43	43	32	25	49	42	44
Caribbean	9	12	8	5	5	7	2	8	8	8
Central America	2	6	3	6	7	4	11	7	10	7
Mexico	23	35	40	51	45	46	64	40	63	35
South America	84	98	92	105	86	84	74	111	112	120
Argentina	10	13	9	11	12	5	9	15	10	10
Brazil	42	49	40	37	33	29	14	32	28	27
Chile	1	2	4	8	7	8	12	8	8	17
Colombia	2	7	10	13	12	16	13	22	29	26
South America, other	29	27	29	36	22	26	26	34	37	40
Europe	177	234	221	229	281	251	264	274	269	283
Belgium	2	3	0	5	6	4	6	5	9	4
England, United Kingdom	8	6	7	7	7	7	5	8	9	13
France	9	17	19	15	19	23	22	26	29	32
Germany	22	25	35	35	39	41	21	35	24	18
Europe, other	136	188	160	167	210	176	210	200	198	216
East Asia	1,226	1,251	1,093	1,269	1,511	1,531	1,708	1,976	2,233	2,522
China, People's Republic of	440	518	487	622	802	808	905	1,156	1,352	1,701
Hong Kong	9	23	6	11	11	10	11	4	9	12

TABLE 11. Non-U.S. citizens awarded doctorates in science and engineering, by visa type and country/region of citizenship: 1997–2006

Visa and country/region of citizenship	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Japan	34	21	30	20	22	27	31	25	33	27
Korea	279	271	243	263	316	342	384	485	509	489
Taiwan	404	348	268	264	224	194	176	138	148	162
Thailand	41	48	50	59	113	128	169	135	133	85
East Asia, other	19	22	9	30	23	22	32	33	49	46
West Asia	845	741	579	598	666	546	611	707	844	1,106
India	559	499	342	333	327	257	288	352	479	677
Iran	44	25	23	22	48	23	27	24	72	88
Iraq	4	1	2	1	1	1	0	2	0	0
Israel	12	10	6	6	10	6	7	16	12	11
Lebanon	7	13	2	11	7	12	14	10	6	17
Saudi Arabia	31	18	24	16	28	25	22	37	29	28
Turkey	81	78	89	123	130	141	152	140	141	149
West Asia, other	107	97	91	86	115	81	101	126	105	136
Pacific/Australasia	40	42	18	38	34	38	35	44	50	40
Australia	7	4	4	3	7	1	5	5	8	7
Indonesia	19	23	12	23	22	28	22	33	28	18
Pacific/Australasia, other	14	15	2	12	5	9	8	6	14	15
Africa	87	94	77	89	85	84	92	89	103	103
Egypt	42	56	43	51	43	49	57	52	55	61
Nigeria	7	5	4	2	0	3	5	3	5	11
Africa, other	38	33	30	36	42	32	30	34	43	31
Country unknown	25	38	19	18	26	26	26	6	20	4

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other
All institutions	-	45,596	29,854	7,664	1,033	6,631	1,452	757	1,327	3,925	2,363	1,562	3,263	4,275	7,191	893	803	2,133	1,148	2,214	15,742
Alabama	25	534	338	102	16	86	13	9	18	30	16	14	33	25	108	12	10	33	15	38	196
AL A&M U.	302	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AL State U.	361	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Auburn U. main campus	83	164	117	28	11	17	5	1	4	6	5	1	15	12	46	7	3	18	8	10	47
U. AL, The	107	180	83	6	0	6	3	3	9	15	10	5	9	11	27	5	3	5	6	8	97
U. AL Birmingham, The	100	134	93	53	0	53	3	0	3	4	1	3	9	2	19	0	2	4	0	13	41
U. AL Huntsville, The	187	31	31	3	0	3	2	4	1	5	0	5	0	0	16	0	2	6	1	7	0
U. South AL	273	15	9	7	0	7	0	1	1	0	0	0	0	0	0	0	0	0	0	0	6
Alaska	52	21	21	9	1	8	0	7	0	2	1	1	0	2	1	0	0	0	0	1	0
U. AK Fairbanks	223	21	21	9	1	8	0	7	0	2	1	1	0	2	1	0	0	0	0	1	0
Arizona	19	809	507	112	27	85	19	36	14	58	22	36	45	79	144	9	13	47	13	62	302
AZ State U. main campus	38	379	222	30	1	29	16	9	3	13	5	8	27	32	92	1	8	36	7	40	157
Northern AZ U.	244	38	15	4	1	3	0	0	0	0	0	0	5	6	0	0	0	0	0	0	23
U. AZ	28	392	270	78	25	53	3	27	11	45	17	28	13	41	52	8	5	11	6	22	122
Arkansas	40	191	107	44	14	30	4	1	0	15	8	7	9	12	22	4	4	6	1	7	84
AR State U. main campus	307	19	4	3	2	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	15
U. AR for Medical Sciences	235	19	17	17	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
U. AR Little Rock	302	19	5	0	0	0	1	0	0	0	0	0	0	0	4	0	0	1	0	3	14
U. AR main campus	110	134	81	24	12	12	3	1	0	15	8	7	9	12	17	4	3	5	1	4	53
California	1	5,464	4,005	857	58	799	211	118	178	571	332	239	474	583	1,013	87	92	386	175	273	1,459
Azusa Pacific U.	361	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Biola U.	273	23	9	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	0	14
CA Institute of Integral Studies	273	25	9	0	0	0	0	0	0	0	0	0	5	4	0	0	0	0	0	0	16
CA Institute of Technology	52	178	178	32	1	31	3	12	12	67	28	39	1	2	49	10	0	17	12	10	0
CA School of Professional Psychology Alameda	177	36	35	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	1
CA School of Professional Psychology Fresno	208	25	25	0	0	0	0	0	0	0	0	0	24	1	0	0	0	0	0	0	0
CA School of Professional Psychology Los Angeles	187	31	31	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0
CA School of Professional Psychology San Diego	159	56	41	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	15
Claremont Graduate U.	153	100	46	0	0	0	8	0	4	0	0	0	14	18	2	0	0	0	1	1	54
Claremont School of Theology	361	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Fielding Institute, The	138	103	55	0	0	0	0	0	0	0	0	0	50	5	0	0	0	0	0	0	48
Fuller Theological Seminary CA	238	45	16	0	0	0	0	0	0	0	0	0	15	1	0	0	0	0	0	0	29

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other
Graduate Theological Union	361	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
La Sierra U.	361	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Loma Linda U.	228	24	19	7	0	7	0	0	0	0	0	12	0	0	0	0	0	0	0	0	5
Naval Postgraduate School	316	3	3	0	0	0	1	1	0	0	0	0	0	1	0	0	1	0	0	0	0
Pacific Graduate School of Psychology	158	42	42	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0
Pardee RAND Graduate School of Policy Studies	261	11	11	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0
Pepperdine U. Malibu	325	68	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	66
San Diego State U.	337	7	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6
Santa Clara U.	307	4	4	0	0	0	0	0	0	0	0	0	0	4	0	0	3	1	0	0	0
Saybrook Institute	161	45	39	0	0	0	0	0	0	0	0	38	1	0	0	0	0	0	0	0	6
Scripps Research Institute, The	187	31	31	11	0	11	0	0	0	19	18	1	1	0	0	0	0	0	0	0	0
Stanford U.	4	644	526	91	2	89	26	23	31	78	28	50	9	66	202	14	23	67	46	52	118
U. CA, Berkeley	1	747	572	84	15	69	29	12	35	99	65	34	22	118	173	18	14	53	47	41	175
U. CA, Davis	20	413	359	151	24	127	12	11	13	46	31	15	13	50	63	7	8	12	8	28	54
U. CA, Irvine	36	266	228	49	1	48	19	4	5	38	30	8	14	31	68	3	10	26	11	18	38
U. CA, Los Angeles	10	702	462	109	0	109	35	8	33	55	30	25	23	93	106	5	14	37	20	30	240
U. CA, Riverside	78	165	123	34	7	27	13	7	4	20	15	5	5	17	23	6	0	10	4	3	42
U. CA, San Diego	22	362	323	98	0	98	20	20	14	35	18	17	18	37	81	2	13	29	9	28	39
U. CA, San Francisco	95	118	98	75	0	75	0	0	0	7	7	0	0	8	8	0	0	0	0	8	20
U. CA, Santa Barbara	33	338	249	25	4	21	11	8	13	49	25	24	14	36	93	16	1	44	12	20	89
U. CA, Santa Cruz	79	135	120	27	4	23	9	5	6	26	13	13	11	21	15	0	0	15	0	0	15
U. San Diego	337	30	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	29
U. San Francisco	361	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
U. Southern CA	21	561	334	62	0	62	25	7	8	32	24	8	17	58	125	6	9	72	4	34	227
U. of the Pacific	325	11	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Wright Institute all campuses	261	11	11	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0
Colorado	21	725	477	122	17	105	19	25	15	74	44	30	43	68	111	20	21	29	10	31	248
CO School of Mines	164	39	38	0	0	0	3	6	0	6	4	2	0	3	20	4	1	0	1	14	1
CO State U.	69	186	142	56	17	39	5	9	3	15	10	5	21	12	21	5	5	9	1	1	44
U. CO Boulder	40	296	219	28	0	28	11	10	9	49	27	22	14	33	65	11	15	17	8	14	77
U. CO Colorado Springs	316	3	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	1	0
U. CO at Denver and Health Sciences Ctr.	164	51	38	35	0	35	0	0	0	2	2	0	0	0	1	0	0	1	0	0	13
U. CO Health Sciences Ctr.	271	30	10	0	0	0	0	0	3	0	0	0	0	7	0	0	0	0	0	0	20
U. Denver	215	76	23	3	0	3	0	0	0	1	0	1	7	11	1	0	0	0	0	1	53
U. Northern CO	307	44	4	0	0	0	0	0	0	1	1	0	1	2	0	0	0	0	0	0	40

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other
Connecticut	22	627	443	166	15	151	9	5	15	60	35	25	42	74	72	18	5	15	10	24	184
U. CT	37	304	224	70	6	64	4	3	6	31	23	8	32	30	48	12	1	12	6	17	80
U. New Haven	361	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Wesleyan U.	271	10	10	4	0	4	0	0	1	5	2	3	0	0	0	0	0	0	0	0	0
Yale U.	44	312	209	92	9	83	5	2	8	24	10	14	10	44	24	6	4	3	4	7	103
Delaware	38	238	146	17	7	10	10	14	3	13	11	2	6	24	59	14	11	12	15	7	92
U. DE	68	190	144	17	7	10	10	14	2	13	11	2	5	24	59	14	11	12	15	7	46
Wilmington C. (New Castle, DE)	325	48	2	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	46
District of Columbia	26	559	338	78	2	76	10	3	9	16	11	5	40	118	64	0	5	11	1	47	221
American U.	145	58	50	1	0	1	0	0	2	3	3	0	9	35	0	0	0	0	0	0	8
Catholic U. America, The	208	67	25	5	0	5	0	0	0	2	0	2	7	8	3	0	1	1	0	1	42
Gallaudet U.	307	8	4	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	4
George Washington U.	76	243	128	19	2	17	10	0	4	4	3	1	11	23	57	0	4	6	1	46	115
Georgetown U.	125	87	63	35	0	35	0	0	0	3	3	0	0	25	0	0	0	0	0	0	24
Howard U.	117	96	68	18	0	18	0	3	3	4	2	2	10	26	4	0	0	4	0	0	28
Florida	8	1,813	1,082	226	47	179	84	30	41	164	97	67	123	124	290	20	38	86	38	108	731
Barry U.	361	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
FL A&M U.	257	18	12	6	4	2	0	0	0	1	1	0	0	0	5	0	2	0	2	1	6
FL Atlantic U.	182	66	32	7	0	7	1	0	2	8	3	5	3	4	7	0	0	5	2	0	34
FL Institute of Technology	215	26	23	5	1	4	1	0	5	3	3	0	2	0	7	0	0	5	1	1	3
FL International U.	147	86	49	9	0	9	6	1	0	10	6	4	5	6	12	0	2	6	2	2	37
FL State U.	63	324	150	21	1	20	5	11	9	22	10	12	25	38	19	5	5	2	3	4	174
Lynn U.	325	18	2	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	16
Nova Southeastern U.	133	125	57	0	0	0	39	1	0	0	0	0	17	0	0	0	0	0	0	0	68
U. Central FL	91	178	106	2	0	2	16	0	4	20	1	19	14	9	41	0	6	12	5	18	72
U. FL	8	599	465	128	41	87	13	4	16	70	46	24	26	41	167	11	20	42	20	74	134
U. Miami	105	134	87	25	0	25	0	8	2	12	12	0	17	12	11	0	1	5	2	3	47
U. South FL	97	174	97	23	0	23	2	5	3	18	15	3	13	12	21	4	2	9	1	5	77
U. West FL	325	26	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	24
Georgia	12	1,170	791	178	17	161	52	15	32	86	64	22	84	77	267	25	34	79	44	85	379
Clark Atlanta U.	280	32	8	3	0	3	0	0	1	0	0	0	1	3	0	0	0	0	0	0	24
Emory U.	80	172	119	60	0	60	0	0	5	17	17	0	11	24	2	1	0	0	0	1	53
GA Institute of Technology main campus	19	395	384	15	0	15	38	8	13	35	25	10	7	7	261	23	34	79	44	81	11
GA Southern U.	361	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
GA State U.	121	145	65	16	0	16	9	0	0	7	1	6	18	14	1	0	0	0	0	1	80
Medical C. GA	261	13	11	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E				
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other	
Mercer U.	361	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Morehouse School of Medicine	316	3	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
U. GA	48	374	201	70	17	53	5	7	13	27	21	6	47	29	3	1	0	0	0	2	173	
Hawaii	43	147	91	21	4	17	4	13	1	3	1	2	8	32	9	0	2	5	0	2	56	
U. HI Manoa	102	147	91	21	4	17	4	13	1	3	1	2	8	32	9	0	2	5	0	2	56	
Idaho	45	154	67	31	13	18	4	5	2	7	6	1	2	4	12	3	1	2	2	4	87	
Boise State U.	337	9	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	8	
ID State U.	235	40	17	6	1	5	1	1	1	0	0	0	2	4	2	0	0	0	0	2	23	
U. ID	147	105	49	25	12	13	3	3	1	7	6	1	0	0	10	3	1	2	2	2	56	
Illinois	6	2,312	1,466	306	28	278	97	15	75	255	159	96	162	226	330	39	45	101	52	93	846	
Benedictine U.	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Chicago Theological Seminary	361	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
DePaul U.	238	21	16	0	0	0	6	0	0	0	0	0	10	0	0	0	0	0	0	0	5	
Garrett-Evangelical Theological Seminary	361	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
IL Institute of Technology	130	63	58	3	0	3	15	0	1	2	2	0	11	0	26	7	2	14	0	3	5	
IL State U.	302	52	5	3	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	47	
Institute for Clinical Social Work	361	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
Loyola U. Chicago	164	141	38	17	0	17	0	0	0	3	3	0	12	6	0	0	0	0	0	0	103	
Lutheran School of Theology Chicago	361	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
National-Louis U.	361	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
Northern IL U.	152	103	47	4	1	3	0	2	3	8	4	4	20	10	0	0	0	0	0	0	56	
Northwestern U.	30	339	267	44	0	44	6	1	12	42	32	10	18	33	111	20	10	21	19	41	72	
Roosevelt U.	361	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	
Rosalind Franklin U. of Medicine and Science	261	11	11	4	0	4	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	
Rush U.	252	22	13	13	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
Southern IL U. Carbondale	140	139	54	15	2	13	0	0	1	3	3	0	15	13	7	0	0	3	0	4	85	
U. Chicago	34	397	244	41	0	41	4	8	23	59	35	24	16	92	1	0	0	1	0	0	153	
U. IL Chicago	51	277	187	56	2	54	9	0	17	30	24	6	13	23	39	3	5	8	12	11	90	
U. IL Urbana-Champaign	4	690	526	106	23	83	57	4	18	108	56	52	38	49	146	9	28	54	21	34	164	
Indiana	13	1,244	762	174	33	141	32	11	42	90	64	26	61	111	241	25	36	72	42	66	482	
Ball State U.	226	60	20	2	1	1	0	0	0	2	2	0	8	8	0	0	0	0	0	0	40	
IN State U.	235	57	17	1	0	1	2	0	0	0	0	0	8	1	5	0	0	0	0	5	40	
IN U. Bloomington	60	408	159	57	1	56	11	4	11	13	7	6	16	46	1	0	0	1	0	0	249	
Purdue U. main campus	13	561	448	89	31	58	17	4	22	65	50	15	23	37	191	13	31	55	37	55	113	

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences			Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E	
				Total	Agricultural	Biological				Total	Chemistry	Physics and astronomy			Total	Chemical	Civil	Electrical	Mechanical		Other
U. of Notre Dame	82	158	118	25	0	25	2	3	9	10	5	5	6	19	44	12	5	16	5	6	40
Iowa	23	641	402	127	21	106	5	10	28	57	40	17	29	32	114	8	17	30	24	35	239
Drake U.	361	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
IA State U.	35	281	234	73	21	52	3	4	14	37	27	10	14	14	75	4	10	25	15	21	47
Maharishi U. of Management	337	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
St. Ambrose U.	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
U. IA	58	328	164	54	0	54	2	6	14	20	13	7	15	17	36	4	7	5	9	11	164
U. Northern IA	316	19	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	16
Kansas	29	479	268	94	22	72	3	3	10	40	33	7	43	43	32	2	4	8	10	8	211
KS State U.	90	160	109	53	22	31	0	0	6	10	7	3	5	18	17	1	2	3	5	6	51
U. KS Main Campus	70	295	140	41	0	41	3	3	4	26	22	4	29	25	9	1	2	3	1	2	155
Wichita State U.	228	24	19	0	0	0	0	0	0	4	4	0	9	0	6	0	0	2	4	0	5
Kentucky	30	422	255	88	8	80	8	4	9	20	17	3	36	36	54	8	8	17	7	14	167
Asbury Theological Seminary	337	5	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	4
Southern Baptist Theological Seminary	337	39	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	38
U. KY	56	243	166	59	8	51	3	3	8	15	12	3	20	29	29	3	6	9	3	8	77
U. Louisville	105	135	87	29	0	29	5	1	1	5	5	0	15	6	25	5	2	8	4	6	48
Louisiana	28	528	303	89	20	69	18	7	23	33	26	7	32	34	67	9	14	13	7	24	225
Grambling State U.	361	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LA State U. and A&M C.	63	252	150	43	19	24	8	6	11	21	16	5	9	16	36	7	10	5	7	7	102
LA State U. Health Sciences Ctr.- New Orleans	280	12	8	7	0	7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
LA State U. Shreveport	280	8	8	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LA Tech U.	215	31	23	0	0	0	1	0	5	0	0	0	2	0	15	0	0	3	0	12	8
New Orleans Baptist Theological Seminary	361	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Southern U. and A&M C. Baton Rouge	337	12	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	11
Tulane U.	127	96	61	23	1	22	5	1	2	4	3	1	8	12	6	2	1	0	0	3	35
U. LA Lafayette	234	34	18	3	0	3	4	0	5	0	0	0	2	1	3	0	0	3	0	0	16
U. LA Monroe	298	23	6	3	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	17
U. New Orleans	196	51	28	2	0	2	0	0	0	8	7	1	7	4	7	0	3	2	0	2	23
Maine	51	38	27	10	4	6	0	2	0	2	1	1	6	1	6	2	0	1	2	1	11
U. ME	198	38	27	10	4	6	0	2	0	2	1	1	6	1	6	2	0	1	2	1	11
Maryland	11	1,216	840	229	13	216	55	23	40	94	36	58	61	145	193	23	20	58	49	43	376
Baltimore Hebrew U.	361	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences			Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E	
				Total	Agricultural	Biological				Total	Chemistry	Physics and astronomy			Total	Chemical	Civil	Electrical	Mechanical		Other
Bowie State U.	361	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Johns Hopkins U., The	28	404	270	124	0	124	12	9	4	30	17	13	5	36	50	11	6	12	7	14	134
Loyola C.	298	6	6	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
Morgan State U.	280	40	8	0	0	0	0	0	0	0	0	0	0	0	8	0	4	2	0	2	32
Towson U.	361	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Uniformed Services U. of the Health Sciences	257	12	12	7	0	7	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
U. MD Baltimore	164	78	38	35	0	35	0	0	0	1	1	0	1	1	0	0	0	0	0	0	40
U. MD Baltimore County	108	89	82	11	0	11	10	3	7	10	5	5	14	13	14	2	0	9	3	0	7
U. MD College Park	15	567	418	47	9	38	33	11	29	53	13	40	30	94	121	10	10	35	39	27	149
U. MD Eastern Shore	298	8	6	5	4	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
Massachusetts	4	2,331	1,724	441	12	429	92	34	74	267	137	130	129	312	375	52	18	105	57	143	607
American International C.	337	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Boston C.	155	115	44	2	0	2	0	0	0	9	5	4	14	19	0	0	0	0	0	0	71
Boston U.	45	271	203	74	0	74	5	1	7	16	6	10	14	44	42	0	0	13	3	26	68
Brandeis U.	116	94	70	18	0	18	4	0	6	9	6	3	4	28	1	0	0	1	0	0	24
Clark U.	182	33	32	2	0	2	0	0	0	5	3	2	10	15	0	0	0	0	0	0	1
Harvard U.	18	637	385	155	0	155	7	4	20	66	28	38	33	84	16	0	0	4	2	10	252
MA C. of Pharmacy and Health Sciences	325	3	2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1
MA Institute of Technology	2	602	560	73	1	72	49	23	34	92	38	54	3	56	230	29	13	57	34	97	42
New England Conservatory of Music	361	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Northeastern U.	111	89	75	9	0	9	6	0	3	19	14	5	6	5	27	2	2	14	6	3	14
Simmons C.	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Smith C.	361	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Springfield C. (Springfield, MA)	337	6	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Suffolk U.	289	7	7	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
Tufts U.	100	103	93	45	0	45	0	1	1	10	7	3	15	14	7	3	0	0	2	2	10
U. MA Amherst	55	253	172	34	11	23	15	3	2	34	26	8	14	43	27	13	3	5	3	3	81
U. MA Boston	244	26	15	1	0	1	0	2	0	0	0	0	8	4	0	0	0	0	0	0	11
U. MA Dartmouth	307	4	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0
U. MA Lowell	302	5	5	0	0	0	0	0	0	1	1	0	0	0	4	1	0	2	1	0	0
U. MA Worcester	208	25	25	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Worcester Polytechnic Institute	191	30	30	2	0	2	6	0	1	4	1	3	0	0	17	4	0	5	6	2	0
Michigan	9	1,556	1,066	237	46	191	40	19	54	133	77	56	112	161	310	30	36	74	78	92	490
Andrews U.	361	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Calvin Theological Seminary	361	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Central MI U.	221	31	22	0	0	0	0	0	2	0	0	0	20	0	0	0	0	0	0	0	9

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences			Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E	
				Total	Agricultural	Biological				Total	Chemistry	Physics and astronomy			Total	Chemical	Civil	Electrical	Mechanical		Other
Eastern MI U.	361	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
MI State U.	25	452	294	99	36	63	10	4	16	37	19	18	30	47	51	8	9	13	17	4	158
MI Technological U.	161	41	39	8	2	6	2	2	2	4	2	2	0	0	21	1	2	3	11	4	2
Oakland U.	257	26	12	1	0	1	2	0	1	1	1	0	1	0	6	0	0	0	3	3	14
U. Detroit Mercy	302	5	5	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
U. MI Ann Arbor	3	754	542	101	8	93	18	13	24	71	41	30	32	87	196	18	16	53	40	69	212
Wayne State U.	84	168	116	26	0	26	6	0	6	16	12	4	14	14	34	2	9	5	7	11	52
Western MI U.	174	50	36	2	0	2	2	0	3	4	2	2	10	13	2	1	0	0	0	1	14
Minnesota	18	944	533	140	32	108	29	11	23	57	39	18	84	63	126	22	13	42	18	31	411
Hamline U.	361	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Luther Seminary	337	7	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6
Mayo School of Health-Related Sciences	223	21	21	15	0	15	0	0	0	0	0	0	0	0	6	0	0	0	0	6	0
St. Mary's U. MN	361	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
U. MN Twin Cities	11	720	453	125	32	93	26	11	21	57	39	18	41	53	119	22	12	42	18	25	267
U. of St. Thomas (St. Paul, MN)	337	17	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	16
Walden U.	133	157	57	0	0	0	3	0	2	0	0	0	41	10	1	0	1	0	0	0	100
Mississippi	36	366	169	47	20	27	9	2	6	20	17	3	40	22	23	3	1	8	1	10	197
Delta State U.	361	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Jackson State U.	252	35	13	3	3	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	22
MS State U.	141	111	52	18	14	4	7	0	1	3	3	0	1	7	15	1	0	5	0	9	59
U. MS main campus	147	94	49	7	0	7	1	2	4	7	6	1	15	6	7	1	1	3	1	1	45
U. MS Medical Ctr.	261	19	11	11	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
U. Southern MS	155	104	44	8	3	5	1	0	1	10	8	2	19	4	1	1	0	0	0	0	60
Missouri	20	821	503	134	17	117	14	11	23	69	39	30	65	63	124	16	20	19	26	43	318
Concordia Seminary	361	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
St. Louis U. main campus	172	137	37	11	0	11	0	4	0	1	1	0	13	8	0	0	0	0	0	0	100
U. MO-Columbia	57	278	165	47	17	30	5	1	13	22	14	8	23	23	31	3	5	7	8	8	113
U. MO-Kansas City	198	60	27	2	0	2	1	1	1	3	2	1	9	7	3	0	1	0	2	0	33
U. MO-Rolla	113	74	74	0	0	0	1	2	2	17	8	9	0	0	52	5	9	9	10	19	0
U. MO-St. Louis	203	53	26	4	0	4	0	0	2	3	3	0	10	6	1	0	0	0	1	0	27
Washington U. St. Louis	54	217	174	70	0	70	7	3	5	23	11	12	10	19	37	8	5	3	5	16	43
Montana	46	83	65	34	13	21	1	3	2	12	9	3	7	0	6	0	0	3	1	2	18
MT State U. Bozeman	193	38	29	17	4	13	1	0	0	5	2	3	0	0	6	0	0	3	1	2	9
U. MT-Missoula, The	174	45	36	17	9	8	0	3	2	7	7	0	7	0	0	0	0	0	0	0	9
Nebraska	37	292	149	62	23	39	8	4	5	13	8	5	17	22	18	1	1	1	4	11	143
Creighton U.	280	11	8	7	0	7	0	0	0	1	1	0	0	0	0	0	0	0	0	0	3

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other
U. NE Lincoln	84	244	116	42	23	19	7	4	5	12	7	5	17	11	18	1	1	1	4	11	128
U. NE Omaha	261	17	11	0	0	0	1	0	0	0	0	0	0	10	0	0	0	0	0	0	6
U. NE Medical Ctr.	249	20	14	13	0	13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	6
Nevada	41	155	99	24	2	22	2	10	0	6	3	3	26	4	27	2	11	7	3	4	56
U. NV, Las Vegas	212	59	24	4	2	2	1	1	0	1	0	1	7	2	8	0	4	2	1	1	35
U. NV, Reno	111	96	75	20	0	20	1	9	0	5	3	2	19	2	19	2	7	5	2	3	21
New Hampshire	42	122	96	34	4	30	7	4	3	18	13	5	10	8	12	0	1	2	1	8	26
Dartmouth C.	136	60	56	23	0	23	6	1	1	11	10	1	6	0	8	0	0	1	1	6	4
Southern NH U.	316	7	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	4
U. NH	172	55	37	11	4	7	1	3	2	7	3	4	4	5	4	0	1	1	0	2	18
New Jersey	15	961	670	137	21	116	50	15	36	97	48	49	39	118	178	23	13	67	27	48	291
Drew U.	325	23	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	21
Fairleigh Dickinson U. all campuses	280	8	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
Montclair State U.	361	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
NJ Institute of Technology	115	72	71	4	4	0	17	0	3	9	4	5	0	0	38	1	3	23	7	4	1
Princeton Theological Seminary	361	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Princeton U.	39	288	221	26	0	26	15	6	14	43	17	26	5	51	61	10	2	28	10	11	67
Rutgers, The State U. NJ New Brunswick Campus	31	365	251	65	17	48	14	7	16	32	17	15	12	51	54	10	4	9	9	22	114
Rutgers, The State U. NJ Newark Campus	182	43	32	7	0	7	2	1	0	3	3	0	5	14	0	0	0	0	0	0	11
Seton Hall U.	244	64	15	2	0	2	0	0	0	4	4	0	9	0	0	0	0	0	0	0	49
Stevens Institute of Technology	174	41	36	0	0	0	2	1	3	5	2	3	0	0	25	2	4	7	1	11	5
U. of Medicine and Dentistry NJ	180	34	34	33	0	33	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
New Mexico	35	281	193	38	7	31	10	3	7	39	27	12	10	36	50	11	3	19	8	9	88
NM Institute of Mining and Technology	228	19	19	0	0	0	4	1	0	5	2	3	0	0	9	3	0	0	0	6	0
NM State U. Main Campus	155	79	44	15	6	9	2	0	3	15	12	3	3	0	6	1	1	2	2	0	35
U. NM all campuses	75	183	130	23	1	22	4	2	4	19	13	6	7	36	35	7	2	17	6	3	53
New York	2	3,855	2,530	678	71	607	118	32	131	300	157	143	365	488	418	47	40	145	67	119	1,325
Adelphi U.	193	33	29	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	4
Albany Medical C.	273	9	9	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alfred U. main campus	316	3	3	0	0	0	0	0	0	1	0	1	0	0	2	0	0	0	0	2	0
Clarkson U.	198	28	27	0	0	0	0	0	1	4	0	4	0	0	22	7	4	5	4	2	1
Columbia U. in the City of NY	23	488	310	83	2	81	14	10	21	62	31	31	13	60	47	1	6	17	9	14	178
Cornell U. Endowed Colleges	17	477	408	138	55	83	11	5	27	59	23	36	8	66	94	8	7	34	17	28	69

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E		
				Total	Agricultural				Biological	Total	Chemistry			Physics and astronomy	Total	Chemical	Civil	Electrical		Mechanical	Other
CUNY Graduate Ctr.	43	331	213	36	1	35	8	2	9	25	17	8	48	58	27	4	4	9	4	6	118
Fordham U.	136	120	56	3	1	2	1	0	0	0	0	0	36	16	0	0	0	0	0	0	64
Hofstra U.	226	30	20	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	10
Jewish Theological Seminary of America	361	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Juilliard School	361	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Long Island U. Brooklyn Campus	257	13	12	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	1
Long Island U. C. W. Post Campus	316	3	3	0	0	0	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Mt. Sinai School of Medicine	203	26	26	25	0	25	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
New School, The	153	55	46	0	0	0	0	0	0	0	0	0	14	32	0	0	0	0	0	0	9
NY Medical C.	280	9	8	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
NY U.	52	360	178	48	1	47	14	1	13	11	5	6	27	64	0	0	0	0	0	0	182
Polytechnic U.	208	25	25	0	0	0	6	0	0	3	3	0	0	0	16	2	3	9	1	1	0
Rensselaer Polytechnic Institute	72	146	134	4	0	4	15	1	12	13	7	6	1	6	82	10	4	31	13	24	12
Rochester Institute of Technology	289	7	7	0	0	0	0	0	0	4	0	4	0	0	3	0	0	0	0	3	0
Rockefeller U.	196	28	28	27	0	27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. John's U. (Jamaica, NY)	203	61	26	7	0	7	0	0	0	0	0	0	19	0	0	0	0	0	0	0	35
SUNY Albany	108	138	82	10	1	9	4	3	1	8	3	5	19	36	1	0	0	0	0	1	56
SUNY Binghamton	114	122	72	1	0	1	5	0	5	8	8	0	18	22	13	0	0	2	2	9	50
SUNY Buffalo	50	310	189	48	0	48	12	2	2	30	23	7	15	41	39	10	9	5	8	7	121
SUNY C. of Environmental Science and Forestry	215	24	23	14	10	4	0	1	0	4	4	0	0	1	3	0	1	0	0	2	1
SUNY Health Science Ctr. Brooklyn	273	9	9	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUNY Stony Brook main campus	45	254	203	54	0	54	11	5	32	26	16	10	15	21	39	1	0	14	7	17	51
SUNY Upstate Medical U.	238	16	16	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syracuse U. main campus	95	162	98	8	0	8	5	1	3	11	8	3	17	35	18	1	2	13	1	1	64
Teachers C. Columbia U.	147	223	49	2	0	2	1	0	1	2	2	0	33	10	0	0	0	0	0	0	174
Union Theological Seminary	361	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
U. Rochester	80	200	119	44	0	44	8	1	3	27	6	21	7	17	12	3	0	6	1	2	81
Weill Medical C. of Cornell U.	164	38	38	37	0	37	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Yeshiva U.	122	77	64	47	0	47	0	0	0	1	1	0	14	2	0	0	0	0	0	0	13
North Carolina	10	1,357	876	312	42	270	41	17	57	102	76	26	50	104	193	20	24	57	23	69	481
Appalachian State U.	361	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Duke U.	40	293	219	81	1	80	7	5	11	31	19	12	7	33	44	0	7	12	2	23	74
East Carolina U.	280	35	8	7	0	7	0	0	0	0	0	0	0	1	0	0	0	0	0	0	27
NC Agricultural and Technical State U.	261	11	11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	3	5	3	0
NC State U.	24	369	302	87	32	55	11	7	27	19	13	6	12	26	113	20	12	38	9	34	67

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E		
				Total	Agricultural				Biological	Total	Chemistry			Physics and astronomy	Total	Chemical	Civil	Electrical		Mechanical	Other
Southeastern Baptist Theological Seminary	361	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
U. NC Chapel Hill	32	478	250	96	9	87	19	5	14	48	41	7	14	44	10	0	4	0	0	6	228
U. NC Charlotte	198	43	27	3	0	3	4	0	5	1	0	1	2	0	12	0	1	4	7	0	16
U. NC Greensboro	228	76	19	3	0	3	0	0	0	0	0	0	15	0	1	0	0	0	0	1	57
U. NC Wilmington	337	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wake Forest U.	161	39	39	34	0	34	0	0	0	3	3	0	0	0	2	0	0	0	0	2	0
North Dakota	47	81	51	19	8	11	5	0	0	9	9	0	12	0	6	1	1	2	0	2	30
ND State U. main campus	177	42	35	16	8	8	5	0	0	7	7	0	2	0	5	0	1	2	0	2	7
U. ND main campus	238	39	16	3	0	3	0	0	0	2	2	0	10	0	1	1	0	0	0	0	23
Ohio	7	1,818	1,197	299	34	265	35	14	42	204	122	82	147	113	343	56	29	94	60	104	621
Air Force Institute of Technology	238	16	16	0	0	0	0	0	3	2	0	2	0	0	11	0	0	6	0	5	0
Antioch U. all campuses	307	4	4	2	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Bowling Green State U. main campus	141	93	52	6	0	6	0	0	6	12	11	1	16	12	0	0	0	0	0	0	41
Case Western Reserve U.	61	188	155	47	0	47	4	0	3	22	16	6	9	7	63	10	2	6	19	26	33
Cleveland Institute of Music	361	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cleveland State U.	228	31	19	9	0	9	0	0	0	1	1	0	0	3	6	0	1	3	0	2	12
Hebrew Union C.-Jewish Institute of Religion	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Kent State U. main campus	133	124	57	9	0	9	3	3	2	15	4	11	16	9	0	0	0	0	0	0	67
Medical U. OH	244	15	15	15	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Miami U. Oxford	180	47	34	11	0	11	0	1	0	7	7	0	11	4	0	0	0	0	0	0	13
OH State U. main campus	12	664	449	112	33	79	15	9	22	57	28	29	53	62	119	20	6	40	15	38	215
OH U. main campus	141	108	52	12	0	12	3	0	1	13	3	10	10	0	13	1	2	6	2	2	56
U. Akron main campus	98	113	96	1	0	1	1	0	0	42	38	4	12	7	33	17	5	4	5	2	17
U. Cincinnati main campus	62	265	151	54	0	54	6	1	1	15	10	5	9	7	58	5	11	22	4	16	114
U. Dayton	215	27	23	5	0	5	0	0	0	5	0	5	0	0	13	0	0	4	8	1	4
U. Toledo	141	80	52	10	0	10	0	0	4	13	4	9	8	0	17	3	2	2	4	6	28
Wright State U. main campus	221	22	22	6	0	6	3	0	0	0	0	0	3	0	10	0	0	1	3	6	0
Youngstown State U.	361	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Oklahoma	34	370	220	69	20	49	5	5	3	16	7	9	35	30	57	13	5	15	11	13	150
OK State U. main campus	94	168	100	40	20	20	1	0	1	6	1	5	17	12	23	2	1	9	7	4	68
U. OK Norman Campus	91	182	106	29	0	29	4	5	2	10	6	4	13	18	25	4	4	6	2	9	76
U. Tulsa	249	20	14	0	0	0	0	0	0	0	0	0	5	0	9	7	0	0	2	0	6
Oregon	27	443	317	142	31	111	9	18	11	26	18	8	26	43	42	4	1	20	4	13	126
OR Health & Science U.	138	61	55	45	0	45	3	0	0	2	2	0	0	0	5	0	0	5	0	0	6
OR State U.	72	166	134	66	29	37	1	16	5	5	4	1	5	7	29	3	1	11	4	10	32

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry		Physics and astronomy	Psychology	Total	Chemical	Civil		Electrical	Mechanical	Other
Portland State U.	182	41	32	4	1	3	2	0	1	2	1	1	4	11	8	1	0	4	0	3	9
U. OR	98	175	96	27	1	26	3	2	5	17	11	6	17	25	0	0	0	0	0	0	79
Pennsylvania	5	2,348	1,472	333	17	316	112	24	65	181	116	65	156	198	403	51	39	86	63	164	876
Bryn Mawr C.	244	27	15	1	0	1	0	0	2	3	1	2	8	1	0	0	0	0	0	0	12
Carnegie Mellon U.	42	241	216	8	0	8	60	0	18	19	8	11	15	11	85	20	10	20	15	20	25
Drexel U.	117	75	68	10	2	8	4	1	0	5	3	2	17	0	31	3	5	5	6	12	7
Duquesne U.	249	37	14	2	0	2	0	0	0	2	2	0	10	0	0	0	0	0	0	0	23
Gannon U.	337	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
Indiana U. PA main campus	261	79	11	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	68
Lehigh U.	128	74	60	2	0	2	3	4	4	9	3	6	4	1	33	1	8	10	6	8	14
Marywood U.	337	17	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	16
PA State U. main campus	7	674	480	106	15	91	20	16	17	64	39	25	46	41	170	16	12	39	26	77	194
Temple U.	103	205	89	29	0	29	2	0	7	4	3	1	26	20	1	0	0	1	0	0	116
Thomas Jefferson U.	228	19	19	16	0	16	0	0	0	0	0	0	0	0	3	0	0	0	0	3	0
U. PA	26	495	293	99	0	99	12	3	12	41	29	12	11	82	33	3	0	4	3	23	202
U. Pittsburgh main campus	45	361	203	60	0	60	11	0	5	33	27	6	16	31	47	8	4	7	7	21	158
U. of the Sciences Philadelphia	337	2	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
Villanova U.	361	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Westminster Theological Seminary	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Widener U. PA Campus	337	32	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	31
Rhode Island	33	288	222	59	5	54	6	12	24	27	11	16	25	45	24	2	0	6	5	11	66
Brown U.	58	209	164	42	1	41	6	7	23	24	8	16	6	41	15	1	0	4	2	8	45
Salve Regina U.	361	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
U. RI	130	72	58	17	4	13	0	5	1	3	3	0	19	4	9	1	0	2	3	3	14
South Carolina	31	414	238	61	14	47	8	9	12	32	26	6	17	25	74	16	10	20	14	14	176
Clemson U.	93	136	103	25	14	11	3	0	5	16	12	4	2	13	39	7	4	8	8	12	33
Medical U. SC	223	26	21	18	0	18	1	0	1	1	1	0	0	0	0	0	0	0	0	0	5
SC State U.	361	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
U. SC Columbia	88	234	114	18	0	18	4	9	6	15	13	2	15	12	35	9	6	12	6	2	120
South Dakota	50	73	36	17	6	11	1	4	0	1	1	0	9	3	1	0	0	0	0	1	37
SD School of Mines and Technology	289	7	7	1	0	1	1	4	0	0	0	0	0	0	1	0	0	0	0	1	0
SD State U.	252	14	13	9	6	3	0	0	0	1	1	0	0	3	0	0	0	0	0	0	1
U. SD	238	52	16	7	0	7	0	0	0	0	0	0	9	0	0	0	0	0	0	0	36
Tennessee	24	710	395	123	9	114	9	6	14	50	37	13	71	37	85	18	15	11	12	29	315
East TN State U.	316	41	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Meharry Medical C.	273	9	9	8	0	8	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E		
				Total	Agricultural				Biological	Total	Chemistry			Physics and astronomy	Total	Chemical	Civil	Electrical		Mechanical	Other
Mid-America Baptist Theological Seminary	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Middle TN State U.	307	18	4	0	0	0	0	0	0	1	1	0	0	3	0	0	0	0	0	0	14
TN State U.	261	48	11	3	0	3	0	0	0	0	0	0	7	1	0	0	0	0	0	0	37
TN Technological U.	289	13	7	0	0	0	0	0	0	0	0	0	0	0	7	0	1	1	3	2	6
U. Memphis, The	160	81	40	4	0	4	2	0	5	3	3	0	19	3	4	0	1	1	2	0	41
U. TN Chattanooga	337	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
U. TN Health Science Ctr.	187	45	31	22	0	22	0	0	0	8	8	0	0	0	1	0	0	0	0	1	14
U. TN Knoxville	63	232	150	24	7	17	3	6	6	24	14	10	29	17	41	9	8	3	3	18	82
Vanderbilt U.	71	218	139	59	2	57	4	0	3	14	11	3	16	13	30	9	5	6	3	7	79
Texas	3	3,066	1,930	506	82	424	96	49	86	238	140	98	195	220	540	108	75	176	59	122	1,136
Baylor C. of Dentistry	280	9	8	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Baylor C. of Medicine	164	38	38	38	0	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baylor U.	203	76	26	9	0	9	0	1	5	8	5	3	2	1	0	0	0	0	0	0	50
Dallas Theological Seminary	361	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lamar U.	316	4	3	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	2	0	1
Prairie View A&M U.	337	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rice U.	74	147	132	12	0	12	5	4	19	25	14	11	4	16	47	11	6	8	4	18	15
Sam Houston State U.	252	14	13	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	1
Southern Methodist U.	182	40	32	2	0	2	3	1	3	1	0	1	1	8	13	0	0	6	4	3	8
Southwestern Baptist Theological Seminary	307	20	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	16
St. Mary's U. (San Antonio, TX)	289	9	7	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	2
Stephen F. Austin State U.	337	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TX A&M U. Commerce	325	45	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	43
TX A&M U. Corpus Christi	337	13	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	12
TX A&M U. Kingsville	298	32	6	5	5	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	26
TX A&M U. main campus	14	548	428	118	52	66	22	17	21	42	31	11	28	45	135	31	15	30	26	33	120
TX Christian U.	307	11	4	0	0	0	0	0	0	1	1	0	3	0	0	0	0	0	0	0	7
TX Southern U.	361	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
TX State U. San Marcos	289	14	7	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
TX Tech U.	89	203	111	30	17	13	4	1	7	9	9	0	21	6	33	3	7	12	3	8	92
TX Tech U. Health Science Ctr.	273	11	9	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
TX Woman's U.	193	80	29	5	0	5	0	0	0	0	0	0	23	1	0	0	0	0	0	0	51
U. Dallas	325	8	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	6
U. Houston	66	236	146	17	0	17	6	4	7	31	13	18	23	12	46	14	7	15	5	5	90
U. North TX	122	157	64	10	3	7	12	0	2	12	7	5	15	11	2	0	0	1	0	1	93

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E		
				Total	Agricultural				Biological	Total	Chemistry			Physics and astronomy	Total	Chemical	Civil	Electrical		Mechanical	Other
U. North TX Health Science Ctr. Ft. Worth	289	9	7	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
U. TX Arlington	125	87	63	2	0	2	8	0	4	8	6	2	5	2	34	0	4	17	3	10	24
U. TX Austin	6	796	489	60	0	60	18	12	15	69	38	31	42	83	190	48	34	60	12	36	307
U. TX Dallas	104	118	88	6	0	6	16	6	3	19	10	9	1	11	26	0	0	24	0	2	30
U. TX Dental Branch	120	104	66	62	0	62	0	0	0	2	1	1	1	0	1	0	0	0	0	1	38
U. TX El Paso	212	33	24	6	4	2	2	3	0	3	3	0	2	0	8	0	2	3	0	3	9
U. TX Health Science Ctr. San Antonio	215	30	23	18	0	18	0	0	0	5	0	5	0	0	0	0	0	0	0	0	7
U. TX Medical Branch	212	33	24	24	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
U. TX San Antonio	289	21	7	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
U. TX Southwestern Medical Ctr. Dallas	122	64	64	50	0	50	0	0	0	2	2	0	10	0	2	0	0	0	0	2	0
U. TX-Pan American	361	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
U. of the Incarnate Word	337	24	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	23
Utah	32	352	238	46	2	44	9	8	8	31	22	9	43	16	77	19	13	11	15	19	114
Brigham Young U. main campus	130	75	58	6	0	6	4	0	1	7	7	0	25	0	15	7	0	3	4	1	17
U. UT	67	235	145	30	0	30	4	8	6	21	14	7	13	13	50	12	7	7	9	15	90
UT State U.	177	42	35	10	2	8	1	0	1	3	1	2	5	3	12	0	6	1	2	3	7
Vermont	48	64	49	27	7	20	1	0	1	5	5	0	12	1	2	0	1	0	0	1	15
Middlebury C.	361	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
U. VT	147	61	49	27	7	20	1	0	1	5	5	0	12	1	2	0	1	0	0	1	12
Virginia	14	1,111	727	160	28	132	39	26	28	78	51	27	74	117	205	12	21	68	29	75	384
C. of William and Mary	191	61	30	5	4	1	1	7	0	13	1	12	0	4	0	0	0	0	0	0	31
George Mason U.	86	159	115	19	6	13	18	7	7	3	1	2	22	34	5	0	0	2	0	3	44
Hampton U.	337	2	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1
Norfolk State U.	337	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Old Dominion U.	164	54	38	6	0	6	2	1	4	4	1	3	0	6	15	0	0	4	4	7	16
Regent U.	361	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Union Theological Seminary & Presbyterian School of Christian Ed.	361	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
U. VA main campus	49	325	192	55	3	52	4	2	4	22	14	8	23	36	46	5	2	17	4	18	133
VA Commonwealth U.	119	125	67	37	0	37	2	0	1	6	6	0	11	7	3	0	0	1	0	2	58
VA Polytechnic Institute and State U.	27	365	283	38	15	23	12	9	12	29	28	1	18	29	136	7	19	44	21	45	82
Washington	17	796	544	167	33	134	22	37	19	78	47	31	36	73	112	12	12	33	16	39	252
Gonzaga U.	325	18	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	16

TABLE 12. Doctorates awarded, by state, institution, and major field: 2006

State and institution	S&E ^a rank	All fields	All S&E	Agricultural and biological sciences		Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences			Psychology	Social sciences	Engineering					Non- S&E			
				Total	Agricultural				Biological	Total	Chemistry			Physics and astronomy	Total	Chemical	Civil	Electrical		Mechanical	Other	
Seattle Pacific U.	289	14	7	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Seattle U.	361	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
U. WA	16	578	411	121	18	103	19	31	17	73	43	30	14	50	86	11	7	28	9	31	167	
WA State U.	77	170	124	46	15	31	3	6	2	5	4	1	14	22	26	1	5	5	7	8	46	
West Virginia	39	183	117	26	7	19	4	2	5	11	6	5	17	24	28	2	4	3	8	11	66	
Marshall U.	325	11	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	
WV U.	86	172	115	24	7	17	4	2	5	11	6	5	17	24	28	2	4	3	8	11	57	
Wisconsin	16	846	577	189	29	160	13	14	31	96	53	43	50	76	108	18	12	24	21	33	269	
Cardinal Stritch U.	361	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Marquette U.	198	59	27	3	0	3	0	0	1	5	5	0	10	0	8	0	0	2	2	4	32	
Medical C. WI	203	28	26	24	0	24	0	0	1	1	1	0	0	0	0	0	0	0	0	0	2	
U. WI Madison	9	649	464	157	29	128	10	13	27	84	45	39	26	56	91	18	11	20	16	26	185	
U. WI Milwaukee	128	97	60	5	0	5	3	1	2	6	2	4	14	20	9	0	1	2	3	3	37	
Wyoming	49	59	38	11	4	7	0	5	2	7	7	0	5	1	7	3	0	4	0	0	21	
U. WY	164	59	38	11	4	7	0	5	2	7	7	0	5	1	7	3	0	4	0	0	21	
Puerto Rico	44	118	77	12	0	12	0	3	0	12	11	1	40	2	8	3	4	0	0	1	41	
Carlos Albizu U. (San Juan, PR)	252	13	13	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	
Ponce School of Medicine	325	2	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
U. PR Mayaguez Campus	261	11	11	0	0	0	0	3	0	0	0	0	0	0	8	3	4	0	0	1	0	
U. PR Medical Sciences Campus	337	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
U. PR Rio Piedras Campus	145	91	50	9	0	9	0	0	0	12	11	1	27	2	0	0	0	0	0	0	41	

S&E = science and engineering.

^a States and institutions are ranked separately.

NOTES: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy. Non-S&E includes doctorates awarded to those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

TABLE 13. Definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2006

Citizenship and field	All recipients ^a	Recipients with definite plans	Location of definite plans						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment	Other ^b		
All recipients	45,596	29,745	26,985	9,014	8,911	4,372	4,688	2,717	43
Science and engineering	29,854	19,425	17,507	8,176	3,462	3,858	2,011	1,891	27
Science	22,663	15,103	13,643	7,036	3,081	1,915	1,611	1,437	23
Agricultural sciences	1,033	633	522	229	117	88	88	111	0
Biological sciences	6,631	4,416	4,179	3,253	322	292	312	235	2
Computer sciences	1,452	967	862	145	248	389	80	103	2
Earth, atmospheric, and ocean sciences	757	517	460	255	85	66	54	56	1
Mathematics	1,327	948	819	335	272	149	63	128	1
Physical sciences	3,925	2,612	2,355	1,520	195	509	131	248	9
Astronomy	197	154	137	112	9	9	7	16	1
Chemistry	2,363	1,549	1,443	892	116	359	76	100	6
Physics	1,365	909	775	516	70	141	48	132	2
Psychology	3,263	2,139	2,076	942	482	210	442	61	2
Social sciences	4,275	2,871	2,370	357	1,360	212	441	495	6
Engineering	7,191	4,322	3,864	1,140	381	1,943	400	454	4
Aeronautical/astronautical	238	136	116	34	10	52	20	19	1
Chemical engineering	893	565	498	176	16	272	34	66	1
Civil engineering	803	467	411	124	66	159	62	56	0
Electrical engineering	2,133	1,338	1,209	220	120	770	99	128	1
Industrial engineering	235	119	105	19	33	38	15	14	0
Materials/metallurgical engineering	624	369	331	132	13	164	22	38	0
Mechanical engineering	1,148	681	601	188	57	289	67	79	1
Other engineering	1,117	647	593	247	66	199	81	54	0
Non-science and engineering	15,742	10,320	9,478	838	5,449	514	2,677	826	16
U.S. citizen, all fields	26,917	19,366	18,756	5,477	7,108	2,080	4,091	597	13
Science and engineering	15,459	11,047	10,617	4,840	2,508	1,679	1,590	423	7
Science	13,274	9,557	9,178	4,443	2,315	1,080	1,340	372	7
Agricultural sciences	546	389	369	125	100	63	81	20	0
Biological sciences	4,165	2,981	2,878	2,143	259	208	268	102	1
Computer sciences	484	350	334	61	110	115	48	16	0
Earth, atmospheric, and ocean sciences	445	334	323	163	75	39	46	11	0
Mathematics	549	429	392	149	146	50	47	37	0
Physical sciences	1,837	1,340	1,264	723	157	289	95	73	3
Astronomy	117	97	92	72	8	6	6	5	0
Chemistry	1,170	844	808	447	92	213	56	34	2
Physics	550	399	364	204	57	70	33	34	1
Psychology	2,722	1,928	1,902	845	446	201	410	25	1
Social sciences	2,526	1,806	1,716	234	1,022	115	345	88	2
Engineering	2,185	1,490	1,439	397	193	599	250	51	0
Aeronautical/astronautical	77	53	50	8	3	22	17	3	0
Chemical engineering	352	246	235	68	12	133	22	11	0
Civil engineering	200	147	138	28	33	42	35	9	0
Electrical engineering	459	315	308	56	49	152	51	7	0
Industrial engineering	59	38	38	3	14	12	9	0	0
Materials/metallurgical engineering	213	143	137	54	8	63	12	6	0
Mechanical engineering	341	225	220	51	38	92	39	5	0
Other engineering	484	323	313	129	36	83	65	10	0
Non-science and engineering	11,458	8,319	8,139	637	4,600	401	2,501	174	6
Non-U.S. citizen with permanent visa, all fields	1,829	1,159	1,091	375	312	245	159	66	2
Science and engineering	1,253	810	770	330	135	218	87	39	1
Science	953	617	580	296	118	108	58	36	1
Agricultural sciences	31	16	14	9	1	3	1	2	0

TABLE 13. Definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2006

Citizenship and field	All recipients ^a	Recipients with definite plans	Location of definite plans						
			United States				Abroad	Unknown	
			Total	Postdoctoral study	Academic employment	Industry employment			Other ^b
Biological sciences	302	187	181	138	10	19	14	6	0
Computer sciences	95	62	59	5	18	31	5	2	1
Earth, atmospheric, and ocean sciences	28	17	17	14	1	1	1	0	0
Mathematics	66	47	45	19	14	10	2	2	0
Physical sciences	156	102	97	63	9	22	3	5	0
Astronomy	6	6	6	5	1	0	0	0	0
Chemistry	96	62	59	35	6	16	2	3	0
Physics	54	34	32	23	2	6	1	2	0
Psychology	76	52	50	24	10	1	15	2	0
Social sciences	199	134	117	24	55	21	17	17	0
Engineering	300	193	190	34	17	110	29	3	0
Aeronautical/astronautical	12	7	7	1	1	4	1	0	0
Chemical engineering	25	17	16	7	0	8	1	1	0
Civil engineering	43	24	23	6	1	8	8	1	0
Electrical engineering	94	68	67	6	8	46	7	1	0
Industrial engineering	11	6	6	2	2	1	1	0	0
Materials/metallurgical engineering	20	13	13	1	0	11	1	0	0
Mechanical engineering	42	25	25	3	2	13	7	0	0
Other engineering	53	33	33	8	3	19	3	0	0
Non-science and engineering	576	349	321	45	177	27	72	27	1
Non-U.S. citizen with temporary visa, all fields	14,118	9,163	7,095	3,154	1,475	2,040	426	2,050	18
Science and engineering	11,522	7,534	6,094	2,998	814	1,954	328	1,427	13
Science	7,250	4,905	3,867	2,291	645	723	208	1,028	10
Agricultural sciences	397	228	139	95	16	22	6	89	0
Biological sciences	1,846	1,245	1,117	971	53	65	28	127	1
Computer sciences	795	554	468	79	119	243	27	85	1
Earth, atmospheric, and ocean sciences	240	165	119	78	9	25	7	45	1
Mathematics	668	470	381	167	112	88	14	89	0
Physical sciences	1,724	1,159	985	729	29	196	31	169	5
Astronomy	63	51	39	35	0	3	1	11	1
Chemistry	954	637	571	408	18	129	16	63	3
Physics	707	471	375	286	11	64	14	95	1
Psychology	243	157	123	73	25	8	17	34	0
Social sciences	1,337	927	535	99	282	76	78	390	2
Engineering	4,272	2,629	2,227	707	169	1,231	120	399	3
Aeronautical/astronautical	117	75	58	25	5	26	2	16	1
Chemical engineering	467	301	247	101	4	131	11	54	0
Civil engineering	511	295	249	90	31	109	19	46	0
Electrical engineering	1,469	951	830	157	63	570	40	120	1
Industrial engineering	144	75	61	14	17	25	5	14	0
Materials/metallurgical engineering	347	212	180	76	5	90	9	32	0
Mechanical engineering	715	430	356	134	17	184	21	73	1
Other engineering	502	290	246	110	27	96	13	44	0
Non-science and engineering	2,596	1,629	1,001	156	661	86	98	623	5

^a Persons of unknown citizenship are included in total but are not shown separately.

^b Includes government, nonprofit, elementary/secondary school, other employment, and employer unknown.

NOTES: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy. Non-science and engineering includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

TABLE 14. Percentage distribution of definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2006

Citizenship and field	Recipients with definite plans	Location of definite plans						
		United States					Abroad	Unknown
		Total	Postdoctoral study	Academic employment	Industry employment	Other ^a		
All recipients	100.0	90.7	30.3	30.0	14.7	15.8	9.1	0.1
Science and engineering	100.0	90.1	42.1	17.8	19.9	10.4	9.7	0.1
Science	100.0	90.3	46.6	20.4	12.7	10.7	9.5	0.2
Agricultural sciences	100.0	82.5	36.2	18.5	13.9	13.9	17.5	0.0
Biological sciences	100.0	94.6	73.7	7.3	6.6	7.1	5.3	*
Computer sciences	100.0	89.1	15.0	25.6	40.2	8.3	10.7	0.2
Earth, atmospheric, and ocean sciences	100.0	89.0	49.3	16.4	12.8	10.4	10.8	0.2
Mathematics	100.0	86.4	35.3	28.7	15.7	6.6	13.5	0.1
Physical sciences	100.0	90.2	58.2	7.5	19.5	5.0	9.5	0.3
Astronomy	100.0	89.0	72.7	5.8	5.8	4.5	10.4	0.6
Chemistry	100.0	93.2	57.6	7.5	23.2	4.9	6.5	0.4
Physics	100.0	85.3	56.8	7.7	15.5	5.3	14.5	0.2
Psychology	100.0	97.1	44.0	22.5	9.8	20.7	2.9	0.1
Social sciences	100.0	82.5	12.4	47.4	7.4	15.4	17.2	0.2
Engineering	100.0	89.4	26.4	8.8	45.0	9.3	10.5	0.1
Aeronautical/astronautical engineering	100.0	85.3	25.0	7.4	38.2	14.7	14.0	0.7
Chemical engineering	100.0	88.1	31.2	2.8	48.1	6.0	11.7	0.2
Civil engineering	100.0	88.0	26.6	14.1	34.0	13.3	12.0	0.0
Electrical engineering	100.0	90.4	16.4	9.0	57.5	7.4	9.6	0.1
Industrial engineering	100.0	88.2	16.0	27.7	31.9	12.6	11.8	0.0
Materials/metallurgical engineering	100.0	89.7	35.8	3.5	44.4	6.0	10.3	0.0
Mechanical engineering	100.0	88.3	27.6	8.4	42.4	9.8	11.6	0.1
Other engineering	100.0	91.7	38.2	10.2	30.8	12.5	8.3	0.0
Non-science and engineering	100.0	91.8	8.1	52.8	5.0	25.9	8.0	0.2
U.S. citizen, all fields	100.0	96.9	28.3	36.7	10.7	21.1	3.1	0.1
Science and engineering	100.0	96.1	43.8	22.7	15.2	14.4	3.8	0.1
Science	100.0	96.0	46.5	24.2	11.3	14.0	3.9	0.1
Agricultural sciences	100.0	94.9	32.1	25.7	16.2	20.8	5.1	0.0
Biological sciences	100.0	96.5	71.9	8.7	7.0	9.0	3.4	*
Computer sciences	100.0	95.4	17.4	31.4	32.9	13.7	4.6	0.0
Earth, atmospheric, and ocean sciences	100.0	96.7	48.8	22.5	11.7	13.8	3.3	0.0
Mathematics	100.0	91.4	34.7	34.0	11.7	11.0	8.6	0.0
Physical sciences	100.0	94.3	54.0	11.7	21.6	7.1	5.4	0.2
Astronomy	100.0	94.8	74.2	8.2	6.2	6.2	5.2	0.0
Chemistry	100.0	95.7	53.0	10.9	25.2	6.6	4.0	0.2
Physics	100.0	91.2	51.1	14.3	17.5	8.3	8.5	0.3
Psychology	100.0	98.7	43.8	23.1	10.4	21.3	1.3	0.1
Social sciences	100.0	95.0	13.0	56.6	6.4	19.1	4.9	0.1
Engineering	100.0	96.6	26.6	13.0	40.2	16.8	3.4	0.0
Aeronautical/astronautical engineering	100.0	94.3	15.1	5.7	41.5	32.1	5.7	0.0
Chemical engineering	100.0	95.5	27.6	4.9	54.1	8.9	4.5	0.0
Civil engineering	100.0	93.9	19.0	22.4	28.6	23.8	6.1	0.0
Electrical engineering	100.0	97.8	17.8	15.6	48.3	16.2	2.2	0.0
Industrial engineering	100.0	100.0	7.9	36.8	31.6	23.7	0.0	0.0
Materials/metallurgical engineering	100.0	95.8	37.8	5.6	44.1	8.4	4.2	0.0
Mechanical engineering	100.0	97.8	22.7	16.9	40.9	17.3	2.2	0.0
Other engineering	100.0	96.9	39.9	11.1	25.7	20.1	3.1	0.0
Non-science and engineering	100.0	97.8	7.7	55.3	4.8	30.1	2.1	0.1
Non-U.S. citizen with permanent visa, all fields	100.0	94.1	32.4	26.9	21.1	13.7	5.7	0.2
Science and engineering	100.0	95.1	40.7	16.7	26.9	10.7	4.8	0.1
Science	100.0	94.0	48.0	19.1	17.5	9.4	5.8	0.2
Agricultural sciences	100.0	87.5	56.3	6.3	18.8	6.3	12.5	0.0

TABLE 14. Percentage distribution of definite postgraduation plans of doctorate recipients, by citizenship status and major field: 2006

Citizenship and field	Recipients with definite plans	Location of definite plans						
		United States					Abroad	Unknown
		Total	Postdoctoral study	Academic employment	Industry employment	Other ^a		
Biological sciences	100.0	96.8	73.8	5.3	10.2	7.5	3.2	0.0
Computer sciences	100.0	95.2	8.1	29.0	50.0	8.1	3.2	1.6
Earth, atmospheric, and ocean sciences	100.0	100.0	82.4	5.9	5.9	5.9	0.0	0.0
Mathematics	100.0	95.7	40.4	29.8	21.3	4.3	4.3	0.0
Physical sciences	100.0	95.1	61.8	8.8	21.6	2.9	4.9	0.0
Astronomy	100.0	100.0	83.3	16.7	0.0	0.0	0.0	0.0
Chemistry	100.0	95.2	56.5	9.7	25.8	3.2	4.8	0.0
Physics	100.0	94.1	67.6	5.9	17.6	2.9	5.9	0.0
Psychology	100.0	96.2	46.2	19.2	1.9	28.8	3.8	0.0
Social sciences	100.0	87.3	17.9	41.0	15.7	12.7	12.7	0.0
Engineering	100.0	98.4	17.6	8.8	57.0	15.0	1.6	0.0
Aeronautical/astronautical engineering	100.0	100.0	14.3	14.3	57.1	14.3	0.0	0.0
Chemical engineering	100.0	94.1	41.2	0.0	47.1	5.9	5.9	0.0
Civil engineering	100.0	95.8	25.0	4.2	33.3	33.3	4.2	0.0
Electrical engineering	100.0	98.5	8.8	11.8	67.6	10.3	1.5	0.0
Industrial engineering	100.0	100.0	33.3	33.3	16.7	16.7	0.0	0.0
Materials/metallurgical engineering	100.0	100.0	7.7	0.0	84.6	7.7	0.0	0.0
Mechanical engineering	100.0	100.0	12.0	8.0	52.0	28.0	0.0	0.0
Other engineering	100.0	100.0	24.2	9.1	57.6	9.1	0.0	0.0
Non-science and engineering	100.0	92.0	12.9	50.7	7.7	20.6	7.7	0.3
Non-U.S. citizen with temporary visa, all fields	100.0	77.4	34.4	16.1	22.3	4.6	22.4	0.2
Science and engineering	100.0	80.9	39.8	10.8	25.9	4.4	18.9	0.2
Science	100.0	78.8	46.7	13.1	14.7	4.2	21.0	0.2
Agricultural sciences	100.0	61.0	41.7	7.0	9.6	2.6	39.0	0.0
Biological sciences	100.0	89.7	78.0	4.3	5.2	2.2	10.2	0.1
Computer sciences	100.0	84.5	14.3	21.5	43.9	4.9	15.3	0.2
Earth, atmospheric, and ocean sciences	100.0	72.1	47.3	5.5	15.2	4.2	27.3	0.6
Mathematics	100.0	81.1	35.5	23.8	18.7	3.0	18.9	0.0
Physical sciences	100.0	85.0	62.9	2.5	16.9	2.7	14.6	0.4
Astronomy	100.0	76.5	68.6	0.0	5.9	2.0	21.6	2.0
Chemistry	100.0	89.6	64.1	2.8	20.3	2.5	9.9	0.5
Physics	100.0	79.6	60.7	2.3	13.6	3.0	20.2	0.2
Psychology	100.0	78.3	46.5	15.9	5.1	10.8	21.7	0.0
Social sciences	100.0	57.7	10.7	30.4	8.2	8.4	42.1	0.2
Engineering	100.0	84.7	26.9	6.4	46.8	4.6	15.2	0.1
Aeronautical/astronautical engineering	100.0	77.3	33.3	6.7	34.7	2.7	21.3	1.3
Chemical engineering	100.0	82.1	33.6	1.3	43.5	3.7	17.9	0.0
Civil engineering	100.0	84.4	30.5	10.5	36.9	6.4	15.6	0.0
Electrical engineering	100.0	87.3	16.5	6.6	59.9	4.2	12.6	0.1
Industrial engineering	100.0	81.3	18.7	22.7	33.3	6.7	18.7	0.0
Materials/metallurgical engineering	100.0	84.9	35.8	2.4	42.5	4.2	15.1	0.0
Mechanical engineering	100.0	82.8	31.2	4.0	42.8	4.9	17.0	0.2
Other engineering	100.0	84.8	37.9	9.3	33.1	4.5	15.2	0.0
Non-science and engineering	100.0	61.4	9.6	40.6	5.3	6.0	38.2	0.3

* = percentage less than 0.05%.

^a Includes government, nonprofit, elementary/secondary school, other employment, and employer unknown.

NOTES: Persons of unknown citizenship are included in total but are not shown separately. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy. Non-science and engineering includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

TABLE 15. Definite postgraduation plans of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2006

Sex and field	All recipients	Recipients with definite plans	Location of definite plans						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment	Other ^a		
All recipients	28,746	20,525	19,847	5,852	7,420	2,325	4,250	663	15
Science and engineering	16,712	11,857	11,387	5,170	2,643	1,897	1,677	462	8
Science	14,227	10,174	9,758	4,739	2,433	1,188	1,398	408	8
Agricultural sciences	577	405	383	134	101	66	82	22	0
Biological sciences	4,467	3,168	3,059	2,281	269	227	282	108	1
Computer sciences	579	412	393	66	128	146	53	18	1
Earth, atmospheric, and ocean sciences	473	351	340	177	76	40	47	11	0
Mathematics	615	476	437	168	160	60	49	39	0
Physical sciences	1,993	1,442	1,361	786	166	311	98	78	3
Astronomy	123	103	98	77	9	6	6	5	0
Chemistry	1,266	906	867	482	98	229	58	37	2
Physics	604	433	396	227	59	76	34	36	1
Psychology	2,798	1,980	1,952	869	456	202	425	27	1
Social sciences	2,725	1,940	1,833	258	1,077	136	362	105	2
Engineering	2,485	1,683	1,629	431	210	709	279	54	0
Aeronautical/astronautical engineering	89	60	57	9	4	26	18	3	0
Chemical engineering	377	263	251	75	12	141	23	12	0
Civil engineering	243	171	161	34	34	50	43	10	0
Electrical engineering	553	383	375	62	57	198	58	8	0
Industrial engineering	70	44	44	5	16	13	10	0	0
Materials/metallurgical engineering	233	156	150	55	8	74	13	6	0
Mechanical engineering	383	250	245	54	40	105	46	5	0
Other engineering	537	356	346	137	39	102	68	10	0
Non-science and engineering	12,034	8,668	8,460	682	4,777	428	2,573	201	7
Male, all fields	14,136	10,342	9,905	3,067	3,439	1,488	1,911	427	10
Science and engineering	9,244	6,763	6,443	2,830	1,442	1,296	875	316	4
Science	7,337	5,450	5,176	2,516	1,285	728	647	270	4
Agricultural sciences	354	260	245	82	71	41	51	15	0
Biological sciences	2,243	1,683	1,621	1,243	123	124	131	61	1
Computer sciences	452	324	307	50	91	122	44	16	1
Earth, atmospheric, and ocean sciences	295	223	214	103	43	32	36	9	0
Mathematics	446	354	321	124	123	39	35	33	0
Physical sciences	1,415	1,038	976	563	115	234	64	61	1
Astronomy	86	72	67	55	4	6	2	5	0
Chemistry	824	602	577	325	62	157	33	25	0
Physics	505	364	332	183	49	71	29	31	1
Psychology	779	571	558	234	149	66	109	13	0
Social sciences	1,353	997	934	117	570	70	177	62	1
Engineering	1,907	1,313	1,267	314	157	568	228	46	0
Aeronautical/astronautical engineering	78	54	51	9	2	24	16	3	0
Chemical engineering	269	200	189	59	7	105	18	11	0
Civil engineering	176	125	117	23	26	35	33	8	0
Electrical engineering	475	332	324	48	47	174	55	8	0
Industrial engineering	41	23	23	4	8	7	4	0	0
Materials/metallurgical engineering	172	116	110	41	6	52	11	6	0
Mechanical engineering	318	205	201	40	28	93	40	4	0
Other engineering	378	258	252	90	33	78	51	6	0
Non-science and engineering	4,892	3,579	3,462	237	1,997	192	1,036	111	6
Female, all fields	14,610	10,183	9,942	2,785	3,981	837	2,339	236	5
Science and engineering	7,468	5,094	4,944	2,340	1,201	601	802	146	4
Science	6,890	4,724	4,582	2,223	1,148	460	751	138	4
Agricultural sciences	223	145	138	52	30	25	31	7	0

TABLE 15. Definite postgraduation plans of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2006

Sex and field	All recipients	Recipients with definite plans	Location of definite plans						
			United States					Abroad	Unknown
			Total	Postdoctoral study	Academic employment	Industry employment	Other ^a		
Biological sciences	2,224	1,485	1,438	1,038	146	103	151	47	0
Computer sciences	127	88	86	16	37	24	9	2	0
Earth, atmospheric, and ocean sciences	178	128	126	74	33	8	11	2	0
Mathematics	169	122	116	44	37	21	14	6	0
Physical sciences	578	404	385	223	51	77	34	17	2
Astronomy	37	31	31	22	5	0	4	0	0
Chemistry	442	304	290	157	36	72	25	12	2
Physics	99	69	64	44	10	5	5	5	0
Psychology	2,019	1,409	1,394	635	307	136	316	14	1
Social sciences	1,372	943	899	141	507	66	185	43	1
Engineering	578	370	362	117	53	141	51	8	0
Aeronautical/astronautical engineering	11	6	6	0	2	2	2	0	0
Chemical engineering	108	63	62	16	5	36	5	1	0
Civil engineering	67	46	44	11	8	15	10	2	0
Electrical engineering	78	51	51	14	10	24	3	0	0
Industrial engineering	29	21	21	1	8	6	6	0	0
Materials/metallurgical engineering	61	40	40	14	2	22	2	0	0
Mechanical engineering	65	45	44	14	12	12	6	1	0
Other engineering	159	98	94	47	6	24	17	4	0
Non-science and engineering	7,142	5,089	4,998	445	2,780	236	1,537	90	1

^a Includes government, nonprofit, elementary/secondary school, other employment, and employer unknown.

NOTES: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy. Non-science and engineering includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

TABLE 16. Percentage distribution of definite postgraduation plans of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2006

Sex and field	Recipients with definite plans	Location of definite plans						
		United States					Abroad	Unknown
		Total	Postdoctoral study	Academic employment	Industry employment	Other ^a		
All recipients	100.0	96.7	28.5	36.2	11.3	20.7	3.2	0.1
Science and engineering	100.0	96.0	43.6	22.3	16.0	14.1	3.9	0.1
Science	100.0	95.9	46.6	23.9	11.7	13.7	4.0	0.1
Agricultural sciences	100.0	94.6	33.1	24.9	16.3	20.2	5.4	0.0
Biological sciences	100.0	96.6	72.0	8.5	7.2	8.9	3.4	0.0
Computer sciences	100.0	95.4	16.0	31.1	35.4	12.9	4.4	0.2
Earth, atmospheric, and ocean sciences	100.0	96.9	50.4	21.7	11.4	13.4	3.1	0.0
Mathematics	100.0	91.8	35.3	33.6	12.6	10.3	8.2	0.0
Physical sciences	100.0	94.4	54.5	11.5	21.6	6.8	5.4	0.2
Astronomy	100.0	95.1	74.8	8.7	5.8	5.8	4.9	0.0
Chemistry	100.0	95.7	53.2	10.8	25.3	6.4	4.1	0.2
Physics	100.0	91.5	52.4	13.6	17.6	7.9	8.3	0.2
Psychology	100.0	98.6	43.9	23.0	10.2	21.5	1.4	0.1
Social sciences	100.0	94.5	13.3	55.5	7.0	18.7	5.4	0.1
Engineering	100.0	96.8	25.6	12.5	42.1	16.6	3.2	0.0
Aeronautical/astronautical engineering	100.0	95.0	15.0	6.7	43.3	30.0	5.0	0.0
Chemical engineering	100.0	95.4	28.5	4.6	53.6	8.7	4.6	0.0
Civil engineering	100.0	94.2	19.9	19.9	29.2	25.1	5.8	0.0
Electrical engineering	100.0	97.9	16.2	14.9	51.7	15.1	2.1	0.0
Industrial engineering	100.0	100.0	11.4	36.4	29.5	22.7	0.0	0.0
Materials/metallurgical engineering	100.0	96.2	35.3	5.1	47.4	8.3	3.8	0.0
Mechanical engineering	100.0	98.0	21.6	16.0	42.0	18.4	2.0	0.0
Other engineering	100.0	97.2	38.5	11.0	28.7	19.1	2.8	0.0
Non-science and engineering	100.0	97.6	7.9	55.1	4.9	29.7	2.3	0.1
Male	100.0	95.8	29.7	33.3	14.4	18.5	4.1	0.1
Science and engineering	100.0	95.3	41.8	21.3	19.2	12.9	4.7	0.1
Science	100.0	95.0	46.2	23.6	13.4	11.9	5.0	0.1
Agricultural sciences	100.0	94.2	31.5	27.3	15.8	19.6	5.8	0.0
Biological sciences	100.0	96.3	73.9	7.3	7.4	7.8	3.6	0.1
Computer sciences	100.0	94.8	15.4	28.1	37.7	13.6	4.9	0.3
Earth, atmospheric, and ocean sciences	100.0	96.0	46.2	19.3	14.3	16.1	4.0	0.0
Mathematics	100.0	90.7	35.0	34.7	11.0	9.9	9.3	0.0
Physical sciences	100.0	94.0	54.2	11.1	22.5	6.2	5.9	0.1
Astronomy	100.0	93.1	76.4	5.6	8.3	2.8	6.9	0.0
Chemistry	100.0	95.8	54.0	10.3	26.1	5.5	4.2	0.0
Physics	100.0	91.2	50.3	13.5	19.5	8.0	8.5	0.3
Psychology	100.0	97.7	41.0	26.1	11.6	19.1	2.3	0.0
Social sciences	100.0	93.7	11.7	57.2	7.0	17.8	6.2	0.1
Engineering	100.0	96.5	23.9	12.0	43.3	17.4	3.5	0.0
Aeronautical/astronautical engineering	100.0	94.4	16.7	3.7	44.4	29.6	5.6	0.0
Chemical engineering	100.0	94.5	29.5	3.5	52.5	9.0	5.5	0.0
Civil engineering	100.0	93.6	18.4	20.8	28.0	26.4	6.4	0.0
Electrical engineering	100.0	97.6	14.5	14.2	52.4	16.6	2.4	0.0
Industrial engineering	100.0	100.0	17.4	34.8	30.4	17.4	0.0	0.0
Materials/metallurgical engineering	100.0	94.8	35.3	5.2	44.8	9.5	5.2	0.0
Mechanical engineering	100.0	98.0	19.5	13.7	45.4	19.5	2.0	0.0
Other engineering	100.0	97.7	34.9	12.8	30.2	19.8	2.3	0.0
Non-science and engineering	100.0	96.7	6.6	55.8	5.4	28.9	3.1	0.2
Female	100.0	97.6	27.3	39.1	8.2	23.0	2.3	0.0
Science and engineering	100.0	97.1	45.9	23.6	11.8	15.7	2.9	0.1
Science	100.0	97.0	47.1	24.3	9.7	15.9	2.9	0.1
Agricultural sciences	100.0	95.2	35.9	20.7	17.2	21.4	4.8	0.0

TABLE 16. Percentage distribution of definite postgraduation plans of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2006

Sex and field	Recipients with definite plans	Location of definite plans						
		United States				Abroad	Unknown	
		Total	Postdoctoral study	Academic employment	Industry employment			Other ^a
Biological sciences	100.0	96.8	69.9	9.8	6.9	10.2	3.2	0.0
Computer sciences	100.0	97.7	18.2	42.0	27.3	10.2	2.3	0.0
Earth, atmospheric, and ocean sciences	100.0	98.4	57.8	25.8	6.3	8.6	1.6	0.0
Mathematics	100.0	95.1	36.1	30.3	17.2	11.5	4.9	0.0
Physical sciences	100.0	95.3	55.2	12.6	19.1	8.4	4.2	0.5
Astronomy	100.0	100.0	71.0	16.1	0.0	12.9	0.0	0.0
Chemistry	100.0	95.4	51.6	11.8	23.7	8.2	3.9	0.7
Physics	100.0	92.8	63.8	14.5	7.2	7.2	7.2	0.0
Psychology	100.0	98.9	45.1	21.8	9.7	22.4	1.0	0.1
Social sciences	100.0	95.3	15.0	53.8	7.0	19.6	4.6	0.1
Engineering	100.0	97.8	31.6	14.3	38.1	13.8	2.2	0.0
Aeronautical/astronautical engineering	100.0	100.0	0.0	33.3	33.3	33.3	0.0	0.0
Chemical engineering	100.0	98.4	25.4	7.9	57.1	7.9	1.6	0.0
Civil engineering	100.0	95.7	23.9	17.4	32.6	21.7	4.3	0.0
Electrical engineering	100.0	100.0	27.5	19.6	47.1	5.9	0.0	0.0
Industrial engineering	100.0	100.0	4.8	38.1	28.6	28.6	0.0	0.0
Materials/metallurgical engineering	100.0	100.0	35.0	5.0	55.0	5.0	0.0	0.0
Mechanical engineering	100.0	97.8	31.1	26.7	26.7	13.3	2.2	0.0
Other engineering	100.0	95.9	48.0	6.1	24.5	17.3	4.1	0.0
Non-science and engineering	100.0	98.2	8.7	54.6	4.6	30.2	1.8	0.0

^a Includes government, nonprofit, elementary/secondary school, other employment, and employer unknown.

NOTES: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social sciences and not in humanities, agricultural economics is included in social sciences and not in agricultural sciences, and public administration is included in social sciences and not in professional fields, according to National Science Foundation taxonomy. Non-science and engineering includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

TABLE 17. Science and engineering doctorate recipients indicating one or more disabilities, by broad field: 2006

Field	One or more disabilities of any type		Blind/visually impaired		Deaf/hard of hearing		Learning/cognitive disability		Physical/orthopedic disability		Vocal/speech disability		Other/unspecified disability	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields	616	1.4	55	0.1	76	0.2	174	0.4	189	0.4	19	*	103	0.2
Science and engineering	306	1.0	30	0.1	43	0.1	89	0.3	85	0.3	12	*	47	0.2
Agricultural/biological sciences	66	0.9	D	D	11	0.1	24	0.3	19	0.2	D	D	7	0.1
Earth, atmospheric, and ocean sciences	9	1.2	D	D	D	D	D	D	D	D	D	D	D	0.0
Mathematics/computer sciences	25	0.9	D	D	D	D	D	D	5	0.2	D	D	D	D
Physical sciences	28	0.7	D	D	D	D	12	0.3	D	D	D	D	5	0.1
Social sciences/psychology	140	1.9	16	0.2	17	0.2	34	0.5	45	0.6	5	0.1	23	0.3
Engineering	38	0.5	D	D	6	0.1	9	0.1	11	0.2	D	D	7	0.1
Non-science and engineering	310	2.0	25	0.2	33	0.2	85	0.5	104	0.7	7	0.0	56	0.4

* = value < 0.1%; D = suppressed to avoid disclosure of confidential information.

NOTES: Individual doctorate recipients could report more than one disability. Non-science and engineering includes those whose field of specialization is unknown.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2006.

Appendix A. Technical Notes

Survey Description

The Survey of Earned Doctorates (SED) is an annual census of all individuals who receive a research doctorate from a U.S. academic institution in a given academic year (1 July through 30 June of the next year). (See "Coverage," below, for information on research doctorates.) The survey is designed to obtain data on the numbers and characteristics of individuals receiving research doctorates from U.S. institutions, and the results are used to assess trends in doctorate production. This information is vital for educational and labor-force planners in the federal government and in academia.

The National Research Council of the National Academy of Sciences conducted the survey under contract to the National Science Foundation (NSF) until 1997; the National Opinion Research Center (Chicago, IL) currently conducts the survey under contract to NSF.

Data Collection

All individuals, as they receive their research doctorate, are asked to complete the SED. The survey contractor relies on its contacts in graduate dean or registrar offices to (1) identify each year's universe of research doctorate recipients and (2) distribute and collect SED questionnaires from these graduates. Institutions then forward completed questionnaires to the survey contractor for editing and processing. The contractor also performs a follow-up if critical items or forms are missing.

Because the survey collects a complete college education history, and one-third of doctorate recipients from U.S. universities are from foreign countries, coding of institutions is very important. Institutional coding for the SED is done using a coding manual for foreign institutions of higher education developed by the U.S. Department of Education.[1] Survey staff have augmented this manual with over 3,000 additional institutions from the *Europa World of Learning*, published by the Routledge-Taylor & Francis group (see <http://www.worldoflearning.com/>). This coding frame has been used to code the baccalaureate and master's institutions of persons who came to the United States to earn their doctorates.

Coverage

Respondents are grouped into academic years. For the 2006 SED, the academic year is from 1 July 2005 to 30 June 2006. The population for the 2006 survey consisted of all individuals who received research doctorates (only first doctorates are included) from U.S. academic institutions in the 12-month period ending 30 June 2006. The total universe consisted of 45,596 persons in over 400 institutions that conferred research doctorates in 2006.

Research doctoral programs are oriented toward preparing students to make original contributions to knowledge in a field and typically entail writing a dissertation. The predominate research doctorate is the PhD, but other research doctorates, such as the DSc, EdD, and DMA are covered by the SED (see <http://www.norc.org/SED.htm> for the full list). Not included are professional doctorates, such as the MD, DDS, DVM, OD, PharmD, PsyD, and JD. Doctoral programs are dynamic entities, and changes in the focus of programs over time make the designation as a research doctoral program fluid. That is, as doctoral programs evolve to meet the needs of students, the orientation of some may change from research to professional and vice versa. Survey staff review individual doctoral programs annually to ensure that designation as a research doctoral program and inclusion in the SED is still appropriate.

Key Variables

The following are key variables of the survey:

- Academic institution attended
- Citizenship status at graduation
- Country of birth
- Country of citizenship
- Birth year
- Disability status
- Educational attainment of parents
- Educational history after high school
- Field of degree specialty ($N = 279$)

- Field of employment
- Financial support (e.g., fellowship, research assistantship)
- Kind of academic institution that conferred degree (e.g., Carnegie classification, size, public or private)
- Kind of employment planned (e.g., postdoctoral appointment, employment sector)
- Marital status
- Number of dependents
- Place of birth
- Postgraduation plans
- Race and Hispanic ethnicity (by subgroup)
- Sex
- Work activity planned after doctoral degree

Nonresponse

Of the 45,596 new research doctorates granted in academic year 2006, 92.1% of degree recipients returned their completed survey instruments. Limited records (containing field of study, doctoral institution, and sex) for nonrespondents are constructed based on information collected from administrative lists of the university—commencement programs, graduation lists, and other similar public records. Nonresponse was concentrated in certain institutions; graduates from 10 institutions accounted for 33% of the total nonrespondents.

Item nonresponse rates in 2006 for the most frequently used variables ranged from 0.2% for sex to 7.6% for postgraduation location. No imputation was performed for missing data items. A detailed methodology report for the 2006 SED is available upon request.

Key variable	Item response rate (%)
Sex	99.8
Citizenship status at graduation	94.0
Country of citizenship (non-U.S. citizens)	93.9
Race/ethnicity	93.4
Postgraduation location (U.S. or foreign)	92.4

Data Comparability

The survey has been completed each year since 1957 by individuals who receive research doctorates. Each year's survey data are compiled in the Doctorate Records File (DRF), and trend data are available to academic year 1957–58. More limited information (sex, institution, field, and year of doctorate) is contained in the DRF for doctorate recipients who graduated in the period 1920–56. Additional survey responses received after the close of the data collection are added to the DRF later; therefore, historical data in the DRF may change slightly over time due to these additional, late responses.

The race and ethnicity questions on the survey form were revised in 2001. For the years 2001 and later, data in the "Asian" category exclude the "Native Hawaiian/Other Pacific Islander" category, and Native Hawaiians and Other Pacific Islanders are included in the "Other/unknown" category, as are multiple race/ethnicity response data. Data in the "Cuban" category are combined with those in the "Other Hispanic" category in this report.

Availability of Data

Data from this survey are published annually in the Detailed Statistical Tables series *Science and Engineering Doctorate Awards*. Reports in this series (since 1994) and related reports are available at <http://www.nsf.gov/statistics/doctorates/>. Survey data for earlier years were published in *Science and Engineering Doctorates: 1960–91* (NSF 93-301). This report is out of print, but tables from it are available on request.

Information from the survey is included in the series *Science and Engineering Degrees*, in *Science and Engineering Indicators*, and in *Women, Minorities, and Persons with Disabilities in Science and Engineering*, all available at <http://www.nsf.gov/statistics/>.

Results are also included in a publication series on all fields of study, *Doctorate Recipients from United States Universities: Summary Report*. This interagency report is sponsored by the federal agencies that support the Survey of Earned Doctorates (six agencies in 2006). The report is available at <http://www.norc.org/SED.htm>.

Selected summary data from this survey are available by institution from the NSF WebCASPAR database at <http://webcaspar.nsf.gov>. Access to restricted data for researchers interested in analyzing microdata may be arranged through a licensing agreement (<http://www.nsf.gov/statistics/database.cfm#MICRODATA>).

Notes

[1] Hunt ES. 1996. *Mapping the World of Education: The Comparative Database System (CDS)*. Washington, DC: U.S. Department of Education; National Science Foundation. Available at <http://www.nsf.gov/statistics/mapping/>.

Appendix B. Fields of Study

Science

Biological and agricultural sciences

Agricultural sciences

- Agricultural and horticultural plant breeding
- Agricultural animal breeding
- Agronomy and crop science
- Animal nutrition
- Animal sciences, other
- Dairy science[a]
- Environmental science
- Fishing and fisheries sciences/management
- Food science
- Food science and technology, other
- Forest engineering[a]
- Forest sciences and biology
- Forest/resources management
- Forestry and related sciences, other
- Horticulture science
- Natural resources/conservation
- Plant pathology/phytopathology
- Plant sciences, other
- Poultry science
- Soil chemistry/microbiology
- Soil sciences, other
- Wildlife/range management
- Wood science and pulp/paper technology
- Agriculture, general
- Agricultural sciences, other

Biological sciences

- Anatomy
- Bacteriology
- Biochemistry
- Biomedical sciences
- Biometrics and biostatistics
- Biophysics
- Biotechnology
- Botany/plant biology
- Cell/cellular biology and histology
- Developmental biology/embryology
- Ecology
- Endocrinology
- Entomology
- Genetics, human and animal
- Immunology
- Microbiology
- Molecular biology
- Neuroscience
- Nutrition sciences
- Parasitology
- Pathology, human and animal
- Pharmacology, human and animal
- Physiology, human and animal
- Plant genetics
- Plant pathology/phytopathology
- Plant physiology
- Toxicology
- Zoology, other
- Biology/biological sciences, general

Biology/biomedical sciences, other

Earth, atmospheric, and ocean sciences

Atmospheric sciences

Atmospheric chemistry and climatology
Atmospheric physics and dynamics
Meteorology
Atmospheric science/meteorology, general
Atmospheric science/meteorology, other

Earth sciences

Geochemistry
Geology
Geomorphology and glacial geology
Geophysics and seismology
Hydrology and water resources
Mineralogy and petrology
Paleontology
Stratigraphy and sedimentation
Geological and earth sciences, general
Geological and earth sciences, other

Ocean sciences

Marine sciences
Oceanography, chemical and physical
Ocean/marine, other

Mathematics and computer sciences

Computer sciences

Computer science
Information science and systems
Computer and information science, other[b]

Mathematics

Algebra
Analysis and functional analysis
Applied mathematics
Computing theory and practice
Geometry/geometric analysis
Logic
Number theory
Operations research
Statistics
Topology/foundations
Mathematics/statistics, general
Mathematics/statistics, other

Physical sciences

Astronomy

Astronomy
Astrophysics

Chemistry

Analytical chemistry
Inorganic chemistry
Medicinal/pharmaceutical chemistry
Nuclear chemistry[a]

Organic chemistry
Physical chemistry
Polymer chemistry
Theoretical chemistry
Chemistry, general
Chemistry, other

Physics

Acoustics
Applied physics[c]
Atomic/molecular/chemical physics
Biophysics[c]
Condensed matter/low temperature physics
Fluids physics[a]
Nuclear physics
Optics/phototonics
Particle (elementary) physics
Plasma/fusion physics
Polymer physics
Physics, general
Physics, other

Psychology

Clinical psychology
Cognitive psychology and psycholinguistics
Comparative psychology
Counseling
Developmental and child psychology
Educational psychology
Experimental psychology
Family psychology
Human development and family studies
Industrial and organizational psychology
Personality psychology
Physiological psychology/psychobiology
Psychometrics and quantitative psychology
Psychometrics[a]
School psychology
Social psychology
Psychology, general
Psychology, other

Social sciences

Economics

Agricultural economics
Econometrics
Economics

Political science

International relations/affairs
Political science and government
Public administration
Public policy analysis

Sociology

Demography/population studies
Sociology

Other social sciences

American/U.S. studies
Anthropology
Archaeology
Area studies
Criminology
Geography
History/philosophy of science and technology
Linguistics
Statistics
Urban affairs/studies
Social sciences, general
Social sciences, other

Engineering

Aeronautical/astronautical engineering

Aerospace, aeronautical and astronautical engineering

Chemical engineering

Chemical engineering
Petroleum engineering
Polymer and plastics engineering

Civil engineering

Civil engineering
Environmental health engineering

Electrical engineering

Communications engineering
Computer engineering
Electrical, electronics and communications engineering

Industrial/manufacturing engineering

Industrial and manufacturing engineering

Materials/metallurgical engineering

Ceramic sciences
Materials science
Metallurgical engineering

Mechanical engineering

Engineering mechanics
Mechanical engineering

Other engineering

Agricultural engineering
Bioengineering and biomedical engineering
Engineering physics
Engineering science
Mining and mineral engineering
Nuclear engineering
Ocean engineering
Operations research
Systems engineering
Engineering, general
Engineering, other

Non-Science and Engineering

Education

Counseling education/counseling and guidance
Curriculum and instruction
Educational administration and supervision
Educational assessment, testing, and measurement
Education leadership
Educational psychology
Educational statistics/research methods
Educational/instructional media design
Higher education/evaluation and research
School psychology
Social/philosophical foundations of education
Special education

Teacher education

Adult and continuing teacher education
Elementary teacher education
Pre-elementary/early childhood teacher education
Secondary teacher education

Teaching fields

Agricultural education
Art education
Business education
English education
Family and consumer science/home economics education
Foreign languages education
Health education
Mathematics education
Music education
Nursing education
Physical education and coaching
Reading education
Science education
Social science education
Teacher education and professional development
Technical and industrial arts education[a]
Technical education[a]
Trade and industrial education

Other education

Education, general
Education, other

Health

Environmental health
Environmental toxicology[c]
Epidemiology
Health systems/service administration
Kinesiology/exercise science
Nursing science
Pharmacy
Public health
Rehabilitation/therapeutic services
Speech-language pathology and audiology
Veterinary medicine
Health sciences, general
Health sciences, other

Humanities

Foreign languages/literature

- Arabic
- Chinese
- French
- German
- Hebrew[a]
- Italian
- Japanese
- Russian
- Slavic (other than Russian)
- Spanish
- Other languages and literature

History

- History, African[c]
- History, American
- History, Asian
- History, European
- History, Latin American[c]
- History, general
- History, other

Letters

- Classics
- Comparative literature
- English language
- Folklore[c]
- Literature, American
- Literature, English
- Speech and rhetorical studies
- Letters, general
- Letters, other

Other humanities

- Art history/criticism/conservation
- Drama/theater arts
- Music
- Philosophy
- Religion/religious studies
- Humanities, general
- Humanities, other

Professional/other/unknown

Business management/administrative services

- Accounting
- Agricultural business/management[a]
- Banking/financial support services
- Business administration and management
- Business/managerial economics
- Human resources development[c]
- International business/trade/commerce
- Management information systems/business data
- Marketing management/research
- Operations research
- Organizational behavior
- Business management/administrative services, general
- Business management/administrative services, other

Communications

Communication theory
Communications research
Mass communication/media studies
Communications, general
Communications, other

Other professional fields

Architectural environmental design
Family/consumer science/human science, general
Law
Library science
Parks/sports/recreation/leisure/fitness
Social work
Theological/religious education
Professional fields, general[a]
Professional fields, other

Other fields

Other fields

Notes

[a] Field dropped in 2004.

[b] Field introduced in 2001.

[c] Field introduced in 2004.

Appendix C. Survey Questionnaire

- Survey of Earned Doctorates

Please print your name in full:

First Name	Middle Name	Last Name	Suffix (e.g., Jr.)
-------------------	--------------------	------------------	---------------------------

Cross reference: Birth name or former name legally changed

Name of Doctoral Institution	City or Branch
-------------------------------------	-----------------------

Type of Doctoral Degree (e.g., Ph.D., Ed.D., D.B.A.)	Date Degree Granted (mm/yyyy)
---	--------------------------------------

Survey of Earned Doctorates

July 1, 2005, to June 30, 2006

Conducted by

The National Opinion Research Center at the University of Chicago

for

The National Science Foundation

The National Institutes of Health

The U.S. Department of Education

The National Endowment for the Humanities

The U.S. Department of Agriculture

The National Aeronautics and Space Administration

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. ALL INFORMATION YOU PROVIDE WILL BE TREATED AS CONFIDENTIAL and used only for research or statistical purposes by your doctoral institution, the survey sponsors, their contractors, and collaborating researchers for the purpose of analyzing data, preparing scientific reports and articles, and selecting samples for a limited number of carefully defined follow-up studies. Your Social Security Number is also solicited under the NSF Act of 1950, as amended; provision of it is voluntary. It will be kept confidential. It is used for quality control, to assure that we identify the correct persons, especially when data are used for statistical purposes in Federal program evaluation. Any information publicly released (such as statistical summaries) will be in a form that does not personally identify you. Your response is voluntary and failure to provide some or all of the requested information will not in any way adversely affect you.

The time needed to complete this form varies according to individual circumstances, but the average time is estimated to be 19 minutes. If you have comments regarding this time estimate, you may write to the National Science Foundation, 4201 Wilson Blvd., Arlington, VA 22230, Attention: NSF Reports Clearance Officer. A Federal agency may not conduct or sponsor a collection of information unless it displays a currently valid OMB control number.

INSTRUCTIONS

Thank you for taking the time to complete this questionnaire. Directions are provided for each question.

- If you have not already done so, please print your name on the front cover.
- Please print all responses; you may use either a pen or pencil.
- When answering questions that require marking a box, please use an "X."

PART A - Education

A1. What is the title of your dissertation?

- Please mark (X) this box if the title below refers to a performance, project report, or a musical or literary composition required instead of a dissertation.

Title _____

A2. Please write the name of the primary field of your dissertation research.

Name of Field _____

Using the list on page 7, choose the code that best describes the primary field of your dissertation research.

Number of Field

If your dissertation research was interdisciplinary, list the name and number of your secondary field.

Name of Field _____

Number of Field

If there were more than two fields, please continue on the back cover of the questionnaire (p. 8).

A3. Please name the department (or interdisciplinary committee, center, institute, etc.) of the university that supervised your doctoral studies.

Department/Committee/Center/Institute/Program _____

A4. If you received full or partial tuition remission (waiver) for your doctoral studies, was it:

- 0 I did not receive any tuition remission
1 for less than 1/3 of tuition
2 between 1/3 and 2/3 of tuition
3 more than 2/3 of tuition but less than full
4 full tuition remission

A5. Which of the following were sources of financial support during graduate school?

Mark ALL that apply

- a. Fellowship, scholarship
b. Grant, stipend
c. Teaching assistantship
d. Research assistantship
e. Other assistantship
f. Traineeship
g. Internship, clinical residency
h. Loans (from any source)
i. Personal savings
j. Personal earnings during graduate school (other than sources listed above)
k. Spouse's, partner's, or family earnings or savings
l. Employer reimbursement/assistance
m. Foreign (non-U.S.) support
n. Other - Specify

A6. Which TWO sources listed in A5 provided the most support?

Enter letters of primary and secondary sources

- 1 Primary source of support
2 Secondary source of support
 Mark (X) if no secondary source

A7. When you receive your doctoral degree, how much money will you owe that is directly related to your undergraduate and graduate education?

Mark (X) one in each column

- | <u>Undergraduate</u> | <u>Graduate</u> |
|--|--|
| 0 <input type="checkbox"/> None | 0 <input type="checkbox"/> None |
| 1 <input type="checkbox"/> \$10,000 or less | 1 <input type="checkbox"/> \$10,000 or less |
| 2 <input type="checkbox"/> \$10,001 - \$20,000 | 2 <input type="checkbox"/> \$10,001 - \$20,000 |
| 3 <input type="checkbox"/> \$20,001 - \$30,000 | 3 <input type="checkbox"/> \$20,001 - \$30,000 |
| 4 <input type="checkbox"/> \$30,001 - \$40,000 | 4 <input type="checkbox"/> \$30,001 - \$40,000 |
| 5 <input type="checkbox"/> \$40,001 - \$50,000 | 5 <input type="checkbox"/> \$40,001 - \$50,000 |
| 6 <input type="checkbox"/> \$50,001 or more | 6 <input type="checkbox"/> \$50,001 or more |

A8. The next few questions ask about the degrees you have received. Starting with this doctorate degree, please provide the following information for the most recent master's degree and your first bachelor's degree.

	This research doctorate degree	Most recent master's degree (e.g. MS, MA, MBA) or equivalent	First bachelor's degree (e.g. BA, BS, AB) or equivalent
a. Have you received a degree of this type? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
b. Month/year that you started your degree. . . . Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>
Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
c. Month/year of degree award Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>	Month <input type="checkbox"/> <input type="checkbox"/>
Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Year <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
d. Primary field of study	<input type="text"/>	<input type="text"/>	<input type="text"/>
e. Field number from list on p. 7	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
f. Institution name	<input type="text"/>	<input type="text"/>	<input type="text"/>
g. Branch or city	<input type="text"/>	<input type="text"/>	<input type="text"/>
h. State or province	<input type="text"/>	<input type="text"/>	<input type="text"/>
i. Country	USA	<input type="text"/>	<input type="text"/>

A9. Excluding those above, have you attained any additional postsecondary degrees? Yes No

A10. Was a master's degree a prerequisite for admission to your doctoral program? Yes No

A11. In what year did you first enter graduate school in any program or capacity, in any university? Year

A12. How many years were you taking courses or preparing for exams for this doctoral degree (including a master's degree, if that was a part of your doctoral program)? Years
Round to whole years

A13. After coursework and exams, how many years did you work on your dissertation (non-course related preparation or research, writing, and defense)? Years
Round to whole years

If yes, please list the additional degree(s), granting institution(s), and years.

Degree Type _____

Degree Field _____

Year Granted _____

Institution _____

Branch or City _____

State or Country _____

Degree Type _____

Degree Field _____

Year Granted _____

Institution _____

Branch or City _____

State or Country _____

If necessary, please continue this list on the back cover (p.8).

A14. Did you earn college credit from a community or two-year college?

- 1 Yes
2 No

A15. Are you earning, or have you earned, a professional medical or dental degree (e.g. MD, DDS), in addition to the doctorate?

- 1 Yes
2 No

PART B - Postgraduation Plans

B1. In what country or state do you intend to live after graduation (within the next year)?

- 0 in U.S. → State
1 not in U.S. → Country

B2. Do you intend to take a "postdoc" position?

(A "postdoc" is a temporary position primarily for gaining additional education and training in research, usually awarded in academe, industry, or government.)

- 1 Yes
2 No

B3. What is the status of your postgraduate plans (in the next year)?

Mark (X) one

- 0 Returning to, or continuing in, predoctoral employment → **GO TO B4**
1 Have signed contract or made definite commitment for other work or study → **GO TO B4**
2 Negotiating with one or more specific organizations → **SKIP TO C1**
3 Seeking position but have no specific prospects → **SKIP TO C1**
4 Do not plan to work or study → **SKIP TO C1**
5 Other - Specify → **SKIP TO C1**

B4. What best describes your (within the next year) postgraduate plans?

Mark (X) one

FURTHER TRAINING OR STUDY

- 0 Postdoctoral fellowship → **GO TO B5**
1 Postdoctoral research associateship → **GO TO B5**
2 Traineeship → **GO TO B5**
3 Intern, clinical residency → **GO TO B5**
4 Other - Specify → **GO TO B5**

EMPLOYMENT

- 5 Employment (other than 0, 1, 2, 3, 4) → **SKIP TO B6**
6 Military service → **SKIP TO B6**
7 Other - Specify → **SKIP TO B6**

B5. What will be the main source of financial support for your postdoctoral study/research within the next year?

Mark (X) one

- 0 U.S. Government
1 Industry/Business
2 College or university
3 Private foundation
4 Nonprofit, other than private foundation or college
5 Other - Specify
6 Unknown

B6. For what type of employer will you be working or in training within the next year?

Mark (X) one

EDUCATION

- a. U.S. 4-year college or university other than medical school
b. U.S. medical school (including university-affiliated hospital or medical center)
c. U.S. university-affiliated research institute
d. U.S. community college or technical institute
e. U.S. preschool, elementary, middle, secondary school or school system
f. Foreign educational institution

GOVERNMENT (other than education institution)

- g. Foreign government
h. U.S. federal government
i. U.S. state government
j. U.S. local government

PRIVATE SECTOR (other than education institution)

- k. Not for profit organization
l. Industry or business (for profit)

OTHER

- m. Self-employed
n. Other - Specify

B7. Please name the organization and geographic location where you will work or study.

Name

State (if U.S.)

OR

Country (if not U.S.)

B8. What will be your primary and secondary work activities?

Mark (X) one in each column

	a. Primary	b. Secondary
Research and development	1 <input type="checkbox"/>	1 <input type="checkbox"/>
Teaching	2 <input type="checkbox"/>	2 <input type="checkbox"/>
Management or administration	3 <input type="checkbox"/>	3 <input type="checkbox"/>
Professional services to individuals	4 <input type="checkbox"/>	4 <input type="checkbox"/>
Other - Specify	5 <input type="checkbox"/>	5 <input type="checkbox"/>

Mark (X) if no secondary work activities.

PART C - Background Information

C1. Are you -

- 1 Male
2 Female

C2. What is your marital status?

Mark (X) one

- 1 Married
2 Living in a marriage-like relationship
3 Widowed
4 Separated
5 Divorced
6 Never married

C3. Not including yourself or your spouse/partner, how many dependents do you have - that is, how many others receive at least one half of their financial support from you?

Mark (X) box if none

	Number
5 years of age or younger	<input type="text"/>
6 to 18 years	<input type="text"/>
19 years or older	<input type="text"/>

C4. What is the highest educational attainment of your mother and father (or guardians)?

Mark (X) one for each parent

	a. Mother	b. Father
Less than high/secondary school graduate	1 <input type="checkbox"/>	1 <input type="checkbox"/>
High/secondary school graduate	2 <input type="checkbox"/>	2 <input type="checkbox"/>
Some college	3 <input type="checkbox"/>	3 <input type="checkbox"/>
Bachelor's degree	4 <input type="checkbox"/>	4 <input type="checkbox"/>
Master's degree (e.g., MA, MS, MBA, MSW, etc.)	5 <input type="checkbox"/>	5 <input type="checkbox"/>
Professional degree (e.g., JD, LLB, D.Min, MD, DDS, etc.)	6 <input type="checkbox"/>	6 <input type="checkbox"/>
Doctoral degree	7 <input type="checkbox"/>	7 <input type="checkbox"/>
Not applicable	8 <input type="checkbox"/>	8 <input type="checkbox"/>

C5. What is your place of birth?

State (if U.S.)

OR

Country (if not U.S.)

C6. What is your date of birth?

Month Day Year
 1 9

C7. What is your citizenship status?

Mark (X) one

U.S. CITIZEN

- 0 Since birth **SKIP TO C9**
1 Naturalized

NON-U.S. CITIZEN

- 2 With a Permanent U.S. Resident Visa ("Green Card") **GO TO C8**
3 With a Temporary U.S. Visa

C8. (IF A NON-U.S. CITIZEN) Of which country are you a citizen?

(Specify country of present citizenship)

C9. In what state or country was the high school/secondary school that you last attended?

State (if U.S.)

OR

Country (if not U.S.)

C10. Are you a person with a disability?

1 Yes → **GO TO C11**

2 No → **SKIP TO C12**

C11. Which of the following categories describes your disability(ies)?

Mark (X) one or more

- a. Blind/Visually Impaired
- b. Deaf/Hard of Hearing
- c. Physical/Orthopedic Disability
- d. Learning/Cognitive Disability
- e. Vocal/Speech Disability
- f. Other - Specify

C12. Are you Hispanic (or Latino)?

1 Yes → **GO TO C13**

2 No → **SKIP TO C14**

C13. Which of the following best describes your Hispanic origin or descent?

Mark (X) one

- 1 Mexican or Chicano
- 2 Puerto Rican
- 3 Cuban
- 4 Other Hispanic - Specify

C14. What is your racial background? Mark (X) one or more

a. American Indian or Alaska Native

Specify tribal affiliation(s)

- b. Native Hawaiian or other Pacific Islander
- c. Asian
- d. Black or African-American
- e. White

C15. Please fill in your U.S. Social Security Number.

-

C16. In case we need to clarify some of the information you have provided, please list an E-mail address (if applicable), and telephone number where you can be reached.

E-mail address

Daytime telephone

C17. Please provide your address and the name and address of a person who is likely to know where you can be reached.

Current Address

Street Address

City State Country Zip or Postal Code

Contact Person

First Name Last Name

Street Address

City State Country Zip or Postal Code

Phone Number (including area or country code)

E-mail Address

C18. Please sign and date.

Signature

Date

The results of this survey will be published in a Summary Report; the Summary Reports on earlier surveys are available at <http://www.norc.uchicago.edu/issues/docdata.htm>

Please use the back cover to make any additional comments you may have about this survey.

Thank you for completing the questionnaire. Please return this questionnaire to your GRADUATE SCHOOL for forwarding to Survey of Earned Doctorates, NORC at the University of Chicago, 1 N. State Street, Floor 16, Chicago, IL 60602. If you have questions or concerns about the survey, you may contact us by e-mail at 4800-sed@norc.uchicago.edu or phone at 1-800-248-8649.

To the Doctorate Recipient:

Congratulations on earning a doctoral degree! This is an important accomplishment for you. Your accomplishment is also significant for both this nation and others, as the new knowledge generated by research doctorates enhances the quality of life in this country and throughout the world. Because of the importance of persons earning research doctorates, several Federal agencies—listed on the cover—sponsor this Survey of Earned Doctorates.

The basic purpose of this survey is to gather objective data about doctoral graduates. These data are important in improving graduate education both at your home institution and beyond. Often, decisions made by governmental and private agencies to develop new programs, or to support present ones, are based in part on the data developed from this survey. If you have any comments about the survey, please provide them in the space below.

On behalf of the sponsoring Federal agencies, I thank you for your participation in this survey.

Best wishes,

Dr. Lynda T. Carlson
National Science Foundation

Additions to Questions

A2 (continued)

Name of Field

Number of Field

Name of Field

Number of Field

A9 (continued)

Degree Type _____ Degree Type _____

Degree Field _____ Degree Field _____

Year Granted _____ Year Granted _____

Institution _____ Institution _____

Branch or City _____ Branch or City _____

State or Country _____ State or Country _____

Comments about the Survey

Please return this questionnaire to your GRADUATE SCHOOL for forwarding to Survey of Earned Doctorates, NORC at the University of Chicago, 1 N. State Street, Floor 16, Chicago, IL 60602. If you have questions or concerns about the survey, you may contact us by e-mail at 4800-sed@norc.uchicago.edu or phone at 1-800-248-8649.

OFFICE USE ONLY					
Case ID		Instit. Code:		Grad Date:	
PROCESSING					
Receipt		Editing		CADE	
Initials	Date	Initials	Date	Initials	Date
Ver. Adjust		Retrieval		Updates	
Initials	Date	Initials	Date	Initials	Date

Suggested Citation, Acknowledgments

National Science Foundation, Division of Science Resources Statistics, 2008. *Science and Engineering Doctorate Awards: 2006*. Detailed Statistical Tables NSF 09-311. Arlington, VA. Available at <http://www.nsf.gov/statistics/nsf09311/>.

Jaquelina C. Falkenheim, Division of Science Resources Statistics, National Science Foundation, managed the development of this report. Macro International Inc. (Macro) of Bethesda, Maryland, prepared the initial version of the tables and report copy. Macro staff members who worked on this report were Joseph Andorful, Gail H. Henry, Cheryl Lloyd, Mark Morgan, Rick Piet, and Laura Williams. National Opinion Research Center (NORC) at the University of Chicago prepared the final version. NORC staff members who worked on this report were Brianna Groenhout, Vince Welch, and Kim Williams.

Division of Science Resources Statistics

Lynda T. Carlson Mary J. Frase
Division Director *Deputy Director*

Stephen Cohen Nancy L. Leach
Chief Statistician *Director, Human Resources Statistics Program*



Division of Science Resources Statistics (SRS)

The National Science Foundation, 4201 Wilson Boulevard, Arlington, Virginia 22230, USA
Tel: (703) 292-8780, FIRS: (800) 877-8339 | TDD: (800) 281-8749