



## Science and Engineering Degrees, by Race/Ethnicity: 1997–2006

Detailed Statistical Tables | NSF 10-300 | November 2009

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### General Notes

Bachelor's and master's degree data and data on doctoral degrees in engineering technologies were collected from all accredited institutions of higher education by the Integrated Postsecondary Education Data System (IPEDS) Completions Survey, conducted by the National Center for Education Statistics, U.S. Department of Education. Data on doctoral degrees in all fields except engineering technologies were collected by the Survey of Earned Doctorates (SED), a universe survey of individual doctorate recipients. The SED is sponsored by the National Science Foundation (NSF) and five other federal agencies.

These data cover earned degrees conferred in the aggregate United States, comprising the 50 states, the District of Columbia, and the U.S. territories and outlying areas (American Samoa, the former Canal Zone, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Trust Territory of the Pacific Islands). Degree data are compiled for a 12-month period, July of one year through June of the following year. For convenience, degrees in a given July through June period are referred to by the year in which the period ended, e.g., 2006 means the 12-month period ending June 2006.

The broad category "engineering" excludes engineering technologies. Reports in this series published before 1995 included this field in engineering. The present classification makes trend data by race/ethnicity more consistent with the definition of science and engineering used in other NSF reports. In this report, data on bachelor's and master's degrees in engineering technologies are provided separately in tables 31 and 32, and for time series, the reader can add these data to "engineering" to have this field correspond to earlier data.

Data on first professional degrees are provided separately in tables 37, 38, and 39, and detailed data for degrees in health fields are provided separately in tables 34, 35, and 36.

## Data Tables

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Table	<b>Distribution of degrees awarded: 1997–2006</b>
	by citizenship, race/ethnicity, and sex of recipients
1	bachelor's degrees
2	master's degrees
3	doctoral degrees
	<b>Bachelor's degrees: 1997–2006</b>
	by field, citizenship, and race/ethnicity of recipients
4	all recipients
5	men
6	women
	<b>Master's degrees: 1997–2006</b>
	by field, citizenship, and race/ethnicity of recipients
7	all recipients
8	men
9	women
	<b>Doctoral degrees: 1997–2006</b>
	by field, citizenship, and race/ethnicity of recipients
10	all recipients
11	men
12	women
	<b>Degrees awarded to blacks: 1997–2006</b>
	all institutions and historically black institutions, by field
	bachelor's degrees
13	all recipients
14	men
15	women
	master's degrees
16	all recipients
17	men
18	female
	doctoral degrees
19	all recipients
20	men
21	women
	<b>Degrees awarded to Hispanics: 1997–2006</b>
	all institutions and institutions in Puerto Rico, by field
	bachelor's degrees
22	all recipients
23	men
24	women

- 25 master's degrees
- 26 all recipients
- 27 men
- 27 women
- 28 doctoral degrees
- 29 all recipients
- 30 men
- 30 women

**Engineering technologies degrees: 1997–2006**

by citizenship, race/ethnicity, and sex of recipients

- 31 bachelor's degrees
- 32 master's degrees
- 33 doctoral degrees

**Health fields degrees: 1997–2006**

by citizenship, race/ethnicity, and sex of recipients

- 34 bachelor's degrees
- 35 master's degrees
- 36 doctoral degrees

**First professional degrees: 1997–2006**

by citizenship, race/ethnicity, and sex of recipients

- 37 all
- 38 health fields
- 39 non-health fields

TABLE 1. Distribution of bachelor's degrees awarded in science and engineering, by citizenship, race/ethnicity, and sex of recipients: 1997–2006  
(Percent distribution)

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	96.2	96.2	96.2	96.1	96.1	96.0	95.9	96.0	96.2
Asian/Pacific Islander	8.4	8.7	8.9	9.1	9.0	9.0	9.0	9.2	9.3
Underrepresented minorities	14.6	15.1	15.9	16.1	16.2	16.3	16.5	16.7	16.7
American Indian/Alaska Native	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.7
Black, non-Hispanic	7.7	7.9	8.3	8.3	8.4	8.3	8.4	8.4	8.3
Hispanic	6.3	6.6	7.0	7.1	7.2	7.3	7.3	7.6	7.7
White, non-Hispanic	70.7	69.8	67.8	66.9	66.5	65.8	65.1	64.6	64.7
Other/unknown race/ethnicity	2.5	2.7	3.5	4.0	4.4	4.8	5.4	5.5	5.5
Nonresident aliens	3.8	3.8	3.8	3.9	3.9	4.0	4.1	4.0	3.8
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	95.3	95.3	95.4	95.2	95.3	95.2	95.1	95.2	95.6
Asian/Pacific Islander	8.7	9.1	9.4	9.6	9.5	9.5	9.4	9.6	9.5
Underrepresented minorities	11.9	12.4	13.0	13.2	13.1	13.1	13.2	13.3	13.5
American Indian/Alaska Native	0.5	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6
Black, non-Hispanic	5.7	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.1
Hispanic	5.7	6.0	6.3	6.4	6.4	6.5	6.5	6.6	6.8
White, non-Hispanic	72.0	71.1	69.5	68.4	68.3	67.5	66.9	66.7	66.9
Other/unknown race/ethnicity	2.6	2.7	3.5	4.0	4.4	5.0	5.6	5.7	5.7
Nonresident aliens	4.7	4.7	4.6	4.8	4.7	4.8	4.9	4.8	4.4
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	97.2	97.2	97.0	96.9	96.8	96.7	96.7	96.8	96.8
Asian/Pacific Islander	8.0	8.3	8.5	8.6	8.6	8.5	8.7	8.9	9.2
Underrepresented minorities	17.4	17.9	18.8	18.9	19.2	19.4	19.6	20.0	19.9
American Indian/Alaska Native	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.8
Black, non-Hispanic	9.8	10.0	10.4	10.5	10.6	10.5	10.7	10.8	10.5
Hispanic	6.9	7.2	7.7	7.7	7.9	8.1	8.2	8.5	8.6
White, non-Hispanic	69.4	68.4	66.2	65.5	64.7	64.1	63.2	62.6	62.4
Other/unknown race/ethnicity	2.4	2.6	3.5	3.9	4.3	4.7	5.1	5.3	5.3
Nonresident aliens	2.8	2.8	3.0	3.1	3.2	3.3	3.3	3.2	3.2

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detail may not sum to total due to rounding. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 2. Distribution of master's degrees awarded in science and engineering, by citizenship, race/ethnicity, and sex of recipients: 1997–2006  
(Percent distribution)

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	77.3	75.9	74.1	72.3	72.2	70.0	70.2	72.1	74.4
Asian/Pacific Islander	6.6	7.0	7.3	7.1	6.9	7.0	7.2	7.4	7.2
Underrepresented minorities	9.0	9.3	10.1	10.8	10.7	10.8	11.0	11.2	11.7
American Indian/Alaska Native	0.4	0.4	0.4	0.5	0.4	0.4	0.5	0.4	0.5
Black, non-Hispanic	5.2	5.2	5.7	6.2	6.2	6.3	6.3	6.3	6.6
Hispanic	3.4	3.7	3.9	4.1	4.1	4.1	4.3	4.5	4.7
White, non-Hispanic	57.5	55.7	52.1	49.3	48.8	46.3	45.9	46.7	47.9
Other/unknown race/ethnicity	4.1	3.9	4.7	5.1	5.8	5.9	6.0	6.8	7.6
Nonresident aliens	22.7	24.1	25.9	27.7	27.8	30.0	29.8	27.9	25.6
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	72.9	71.6	69.7	67.0	66.9	64.2	64.1	66.5	69.1
Asian/Pacific Islander	6.5	7.0	7.3	7.2	6.8	7.0	7.2	7.3	7.4
Underrepresented minorities	7.1	7.3	7.9	8.0	8.0	8.0	7.9	8.1	8.5
American Indian/Alaska Native	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.4
Black, non-Hispanic	3.6	3.7	4.1	4.1	4.1	4.2	4.0	4.0	4.3
Hispanic	3.1	3.2	3.5	3.5	3.5	3.5	3.6	3.8	3.9
White, non-Hispanic	55.3	53.5	50.0	46.8	46.4	43.5	43.1	44.3	45.7
Other/unknown race/ethnicity	3.9	3.8	4.5	5.0	5.6	5.8	5.8	6.7	7.5
Nonresident aliens	27.1	28.4	30.3	33.0	33.1	35.8	35.9	33.5	30.9
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	83.6	82.1	80.0	79.1	79.1	77.6	78.1	79.2	80.9
Asian/Pacific Islander	6.7	6.9	7.3	7.0	6.9	7.1	7.2	7.4	7.1
Underrepresented minorities	11.9	12.1	12.8	14.4	14.2	14.4	15.1	15.1	15.6
American Indian/Alaska Native	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.6
Black, non-Hispanic	7.5	7.3	7.9	8.9	8.9	9.1	9.3	9.3	9.4
Hispanic	3.9	4.3	4.4	4.9	4.9	4.9	5.1	5.4	5.7
White, non-Hispanic	60.7	58.9	54.9	52.5	51.9	50.0	49.4	49.7	50.6
Other/unknown race/ethnicity	4.3	4.1	5.0	5.3	6.1	6.1	6.3	6.9	7.7
Nonresident aliens	16.4	17.9	20.0	20.9	20.9	22.4	21.9	20.8	19.1

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detail may not sum to total due to rounding. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 3. Distribution of doctoral degrees awarded in science and engineering, by citizenship, race/ethnicity, and sex of recipients: 1997–2006  
(Percent distribution)

Citizenship and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All recipients	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	67.5	67.1	67.8	65.9	64.0	63.1	62.3	59.9	57.3	56.0
Asian <sup>a</sup>	9.3	7.9	7.5	6.6	6.4	6.6	6.0	5.7	5.8	5.9
Underrepresented minorities	5.0	5.5	6.0	5.9	5.7	6.0	5.9	5.8	5.6	5.6
American Indian/Alaska Native	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2
Black, non-Hispanic	2.3	2.4	2.8	2.7	2.8	2.8	2.6	2.9	2.5	2.5
Hispanic	2.4	2.8	2.8	2.8	2.6	2.9	2.9	2.7	2.9	2.9
White, non-Hispanic	50.8	51.4	52.9	51.8	49.9	48.5	47.6	45.8	43.8	42.4
Other/unknown race/ethnicity <sup>b</sup>	2.5	2.3	1.4	1.7	2.0	2.1	2.8	2.6	2.0	2.1
Temporary visa holders	27.6	28.4	27.9	29.5	31.1	31.3	33.2	34.8	37.2	38.6
Citizenship unknown	4.9	4.5	4.3	4.6	4.8	5.6	4.6	5.2	5.6	5.4
Male	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	63.0	62.3	62.7	60.4	58.5	57.3	56.5	54.2	51.0	50.4
Asian <sup>a</sup>	9.1	7.8	7.3	6.2	5.9	6.1	5.6	5.0	5.1	5.1
Underrepresented minorities	4.2	4.4	4.6	4.5	4.4	4.5	4.4	4.4	4.3	4.1
American Indian/Alaska Native	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1
Black, non-Hispanic	1.8	1.6	2.1	1.9	2.0	2.1	1.8	2.0	1.8	1.7
Hispanic	2.2	2.4	2.2	2.3	2.1	2.2	2.4	2.2	2.3	2.3
White, non-Hispanic	47.3	47.8	49.4	48.0	46.3	44.7	43.8	42.2	39.9	39.2
Other/unknown race/ethnicity <sup>b</sup>	2.4	2.3	1.5	1.7	2.0	2.0	2.7	2.6	1.8	1.9
Temporary visa holders	33.0	33.6	33.4	35.1	37.0	37.2	39.0	40.8	43.4	44.1
Citizenship unknown	4.0	4.1	3.9	4.5	4.6	5.4	4.5	5.0	5.5	5.5
Female	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents	78.2	76.9	77.9	76.0	74.0	73.2	71.8	69.5	67.7	65.1
Asian <sup>a</sup>	10.0	8.2	7.9	7.2	7.3	7.4	6.8	6.9	7.1	7.2
Underrepresented minorities	6.6	7.7	8.7	8.4	8.0	8.5	8.2	8.2	7.9	7.9
American Indian/Alaska Native	0.4	0.4	0.6	0.5	0.3	0.4	0.4	0.3	0.3	0.2
Black, non-Hispanic	3.2	3.8	4.1	4.2	4.0	4.1	4.0	4.3	3.7	3.8
Hispanic	3.0	3.5	4.0	3.7	3.6	4.1	3.8	3.7	3.9	3.9
White, non-Hispanic	59.0	58.8	60.1	58.7	56.5	55.0	53.9	51.7	50.5	47.8
Other/unknown race/ethnicity <sup>b</sup>	2.8	2.2	1.3	1.7	2.2	2.2	2.8	2.7	2.3	2.2
Temporary visa holders	17.0	18.6	18.1	19.8	21.1	21.4	23.5	24.9	27.0	29.9
Citizenship unknown	4.8	4.5	4.0	4.2	4.9	5.4	4.7	5.6	5.3	5.0

<sup>a</sup> Includes Native Hawaiians/Other Pacific Islanders prior to 2001.

<sup>b</sup> Includes Native Hawaiians/Other Pacific Islanders and multiple race, non-Hispanic ethnicity, from 2001 forward.

NOTES: Citizenship categories and race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. Detail may not sum to total due to rounding. See appendix B for specific fields included in science and engineering.

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

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	1,186,589	1,199,579	1,253,121	1,257,648	1,305,730	1,359,843	1,407,009	1,437,200	1,473,735
Science and engineering	388,482	390,618	398,622	400,206	415,611	441,087	455,848	466,003	473,533
Science	326,130	329,704	339,086	340,948	354,972	377,314	391,173	399,870	405,412
Agricultural sciences	17,361	17,967	18,244	17,467	17,360	17,693	17,041	17,111	17,300
Biological sciences	65,139	67,112	64,904	62,089	61,768	63,582	64,762	67,982	72,938
Computer sciences	25,393	27,674	37,388	43,184	49,135	56,329	57,405	50,564	43,277
Earth, atmospheric, and ocean sciences	4,466	4,321	4,047	3,968	3,984	3,949	3,903	3,959	3,998
Mathematical sciences	12,723	12,094	11,735	11,455	12,273	12,882	13,755	14,840	15,311
Physical sciences	15,264	15,273	14,580	14,163	14,016	14,122	14,240	15,030	16,405
Astronomy	140	168	160	240	276	271	292	331	366
Chemistry	10,926	10,873	10,390	9,822	9,448	9,332	9,305	9,937	10,891
Physics	3,393	3,455	3,362	3,457	3,651	3,922	4,156	4,210	4,577
Other physical sciences	805	777	668	644	641	597	487	552	571
Psychology	74,734	74,457	74,654	74,168	77,323	79,115	82,510	85,936	88,285
Social sciences	111,050	110,806	113,534	114,454	119,113	129,642	137,557	144,448	147,898
Engineering	62,352	60,914	59,536	59,258	60,639	63,773	64,675	66,133	68,121
Chemical engineering	6,977	6,721	6,219	6,088	5,946	5,545	5,185	4,889	4,857
Civil engineering	12,010	11,522	9,596	8,949	8,891	9,367	9,399	9,797	10,663
Electrical engineering	16,434	16,322	17,672	18,371	18,977	20,729	21,342	21,412	19,851
Mechanical engineering	13,806	13,363	13,109	13,160	13,377	14,044	14,368	14,908	16,175
Other engineering	13,125	12,986	12,940	12,690	13,448	14,088	14,381	15,127	16,575
Non-science and engineering	798,107	808,961	854,499	857,442	890,119	918,756	951,161	971,197	1,000,202
Education	114,584	116,264	120,289	117,744	119,551	120,774	122,017	121,876	125,586
Health	77,769	76,959	71,584	66,751	64,533	63,423	67,641	73,415	83,500
Humanities	148,094	151,977	161,136	163,995	173,480	182,902	190,919	197,115	202,528
Professional/other/unknown	457,660	463,761	501,490	508,952	532,555	551,657	570,584	578,791	588,588
U.S. citizens and permanent residents, all fields <sup>a</sup>	1,147,815	1,160,692	1,214,326	1,218,169	1,264,606	1,317,020	1,362,834	1,392,752	1,428,643
Science and engineering	373,745	375,909	383,438	384,492	399,288	423,358	437,228	447,559	455,441
Science	316,190	319,638	328,435	329,653	342,916	363,860	377,100	386,163	392,032
Agricultural sciences	17,108	17,674	17,986	17,219	17,098	17,423	16,792	16,837	17,034
Biological sciences	63,677	65,689	63,528	60,652	60,311	62,045	63,109	66,016	70,819
Computer sciences	23,378	25,537	34,502	39,792	45,247	51,643	52,544	46,688	40,333
Earth, atmospheric, and ocean sciences	4,388	4,239	4,001	3,919	3,925	3,892	3,853	3,879	3,922
Mathematical sciences	12,190	11,641	11,256	11,029	11,819	12,260	13,073	14,079	14,502
Physical sciences	14,671	14,680	14,048	13,605	13,471	13,599	13,649	14,360	15,641
Astronomy	132	157	156	227	260	256	282	311	353
Chemistry	10,530	10,488	10,046	9,487	9,105	9,006	8,955	9,539	10,425
Physics	3,217	3,277	3,202	3,275	3,484	3,754	3,967	4,009	4,334
Other physical sciences	792	758	644	616	622	583	445	501	529
Psychology	73,685	73,287	73,390	72,885	75,956	77,721	81,039	84,432	86,708
Social sciences	107,093	106,891	109,724	110,552	115,089	125,277	133,041	139,872	143,073
Engineering	57,555	56,271	55,003	54,839	56,372	59,498	60,128	61,396	63,409
Chemical engineering	6,406	6,214	5,774	5,664	5,499	5,186	4,817	4,478	4,421
Civil engineering	11,536	11,012	9,137	8,537	8,520	9,018	9,084	9,471	10,321
Electrical engineering	14,564	14,485	15,836	16,529	17,108	18,677	19,069	19,093	17,675
Mechanical engineering	12,898	12,566	12,320	12,416	12,694	13,448	13,754	14,261	15,525
Other engineering	12,151	11,994	11,936	11,693	12,551	13,169	13,404	14,093	15,467
Non-science and engineering	774,070	784,783	830,888	833,677	865,318	893,662	925,606	945,193	973,202
Education	113,506	115,311	119,255	116,642	118,239	119,677	120,782	120,774	124,262
Health	76,823	76,264	70,884	65,849	63,857	62,632	66,851	72,411	82,090
Humanities	144,073	147,999	157,062	160,067	169,300	178,665	186,650	193,100	198,408
Professional/other/unknown	439,668	445,209	483,687	491,119	513,922	532,688	551,323	558,908	568,442

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Asian/Pacific Islander, all fields	67,358	69,988	75,265	75,496	79,149	83,049	86,030	90,562	95,098
Science and engineering	32,568	34,004	35,553	36,398	37,452	39,738	41,178	43,030	44,206
Science	25,483	27,002	28,699	29,373	30,331	32,326	33,553	34,822	35,663
Agricultural sciences	396	439	454	399	411	459	415	446	542
Biological sciences	8,541	8,869	8,025	7,493	7,209	7,399	7,786	8,832	10,080
Computer sciences	2,803	3,220	5,401	6,326	7,207	8,073	7,462	6,075	4,432
Earth, atmospheric, and ocean sciences	95	92	98	86	85	73	85	86	94
Mathematical sciences	852	834	891	916	1,000	1,153	1,244	1,420	1,446
Physical sciences	1,525	1,584	1,462	1,344	1,217	1,143	1,229	1,316	1,619
Astronomy	7	12	9	12	24	16	18	21	37
Chemistry	1,280	1,337	1,208	1,126	978	893	960	1,024	1,268
Physics	204	208	218	184	184	204	223	236	281
Other physical sciences	34	27	27	22	31	30	28	35	33
Psychology	4,067	4,267	4,188	4,150	4,241	4,060	4,345	4,799	5,299
Social sciences	7,204	7,697	8,180	8,659	8,961	9,966	10,987	11,848	12,151
Engineering	7,085	7,002	6,854	7,025	7,121	7,412	7,625	8,208	8,543
Chemical engineering	874	897	788	702	636	563	527	486	558
Civil engineering	1,017	909	646	521	482	500	493	585	770
Electrical engineering	2,663	2,757	3,143	3,522	3,774	3,966	4,083	4,290	3,836
Mechanical engineering	1,135	1,128	1,002	998	892	939	928	1,082	1,248
Other engineering	1,396	1,311	1,275	1,282	1,337	1,444	1,594	1,765	2,131
Non-science and engineering	34,790	35,984	39,712	39,098	41,697	43,311	44,852	47,532	50,892
Education	1,855	2,031	2,104	2,045	2,166	2,036	2,126	2,118	2,371
Health	3,817	4,082	3,871	3,505	3,331	3,039	3,164	3,483	4,268
Humanities	6,351	6,519	6,994	7,144	7,745	8,240	8,670	9,298	9,853
Professional/other/unknown	22,767	23,352	26,743	26,404	28,455	29,996	30,892	32,633	34,400
Underrepresented minorities, all fields <sup>b</sup>	174,243	181,709	200,967	205,284	214,804	226,851	237,697	244,877	255,149
Science and engineering	56,568	58,855	63,519	64,407	67,309	71,934	75,037	77,652	79,097
Science	49,103	51,457	56,053	57,251	59,883	64,183	67,022	69,504	70,670
Agricultural sciences	1,072	1,191	1,274	1,250	1,274	1,301	1,310	1,314	1,318
Biological sciences	8,260	9,235	9,564	9,671	9,411	10,098	10,056	10,361	10,915
Computer sciences	3,858	4,251	5,824	6,916	7,897	9,575	9,885	8,731	7,804
Earth, atmospheric, and ocean sciences	201	213	221	248	224	203	227	244	237
Mathematical sciences	1,633	1,635	1,573	1,484	1,572	1,524	1,519	1,746	1,782
Physical sciences	1,862	1,934	2,038	1,939	1,965	1,883	1,919	2,007	2,131
Astronomy	4	13	10	20	15	17	27	24	22
Chemistry	1,508	1,528	1,656	1,543	1,519	1,484	1,457	1,530	1,639
Physics	278	310	289	303	360	328	373	382	401
Other physical sciences	72	83	83	73	71	54	62	71	69
Psychology	12,425	12,876	14,217	14,301	14,981	15,362	16,327	17,336	17,811
Social sciences	19,792	20,122	21,342	21,442	22,559	24,237	25,779	27,765	28,672
Engineering	7,465	7,398	7,466	7,156	7,426	7,751	8,015	8,148	8,427
Chemical engineering	781	809	805	745	732	671	645	636	603
Civil engineering	1,348	1,383	1,249	1,136	1,145	1,157	1,220	1,303	1,349
Electrical engineering	2,240	2,170	2,413	2,440	2,584	2,811	3,032	2,916	2,854
Mechanical engineering	1,519	1,461	1,493	1,446	1,441	1,479	1,512	1,571	1,709
Other engineering	1,577	1,575	1,506	1,389	1,524	1,633	1,606	1,722	1,912
Non-science and engineering	117,675	122,854	137,448	140,877	147,495	154,917	162,660	167,225	176,052
Education	15,286	15,806	17,105	16,404	16,408	16,735	16,911	17,015	18,407
Health	9,585	10,425	11,157	11,011	11,385	11,262	12,138	12,764	14,431
Humanities	16,854	18,247	20,005	20,511	21,622	22,960	23,944	25,108	26,622



TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	75,950	78,376	89,181	92,951	98,080	103,960	109,667	112,338	116,592
American Indian/Alaska Native, all fields	7,238	7,706	8,431	8,664	8,668	9,242	9,914	9,556	10,046
Science and engineering	2,298	2,392	2,611	2,796	2,642	2,892	3,231	3,167	3,286
Science	2,035	2,138	2,283	2,540	2,334	2,572	2,898	2,818	2,933
Agricultural sciences	146	151	190	215	158	163	187	160	185
Biological sciences	341	399	379	431	410	380	417	496	479
Computer sciences	99	112	172	271	229	263	416	249	228
Earth, atmospheric, and ocean sciences	31	25	43	35	26	24	31	25	36
Mathematical sciences	57	65	69	51	57	65	59	76	64
Physical sciences	69	81	65	73	83	94	76	103	102
Astronomy	0	0	2	2	2	4	1	3	1
Chemistry	54	64	49	47	57	71	50	65	73
Physics	11	14	12	19	21	17	20	33	24
Other physical sciences	4	3	2	5	3	2	5	2	4
Psychology	496	515	518	561	542	544	596	552	593
Social sciences	796	790	847	903	829	1,039	1,116	1,157	1,246
Engineering	263	254	328	256	308	320	333	349	353
Chemical engineering	29	31	42	31	33	34	29	30	27
Civil engineering	71	62	84	65	67	67	64	73	73
Electrical engineering	50	53	81	56	70	99	88	84	69
Mechanical engineering	45	47	53	51	61	58	73	72	91
Other engineering	68	61	68	53	77	62	79	90	93
Non-science and engineering	4,940	5,314	5,820	5,868	6,026	6,350	6,683	6,389	6,760
Education	952	972	1,005	966	1,042	1,066	1,035	1,000	961
Health	466	512	462	424	437	433	485	492	578
Humanities	833	872	1,022	1,035	991	1,087	1,223	1,162	1,216
Professional/other/unknown	2,689	2,958	3,331	3,443	3,556	3,764	3,940	3,735	4,005
Black, non-Hispanic, all fields	92,067	95,878	104,212	106,648	111,032	117,257	122,618	125,678	129,824
Science and engineering	29,825	30,751	32,924	33,290	34,796	36,711	38,369	39,283	39,409
Science	26,748	27,732	29,861	30,406	31,814	33,637	35,157	36,098	36,223
Agricultural sciences	367	409	450	428	454	452	450	444	485
Biological sciences	4,124	4,553	4,739	4,693	4,634	4,878	5,038	5,051	5,362
Computer sciences	2,432	2,666	3,497	4,291	4,954	5,867	5,934	5,303	4,667
Earth, atmospheric, and ocean sciences	57	70	51	56	62	60	65	68	58
Mathematical sciences	1,016	966	905	808	843	790	784	855	847
Physical sciences	1,053	1,057	1,090	996	1,018	928	958	966	1,040
Astronomy	0	2	1	2	3	1	3	4	9
Chemistry	861	824	888	827	796	744	756	761	827
Physics	148	179	152	133	182	147	166	166	171
Other physical sciences	44	52	49	34	37	36	33	35	33
Psychology	6,647	6,852	7,572	7,562	7,747	8,011	8,479	9,130	9,075
Social sciences	11,052	11,159	11,557	11,572	12,102	12,651	13,449	14,281	14,689
Engineering	3,077	3,019	3,063	2,884	2,982	3,074	3,212	3,185	3,186
Chemical engineering	373	385	383	373	346	317	303	273	231
Civil engineering	403	401	403	329	317	292	320	342	324
Electrical engineering	1,067	1,047	1,049	1,082	1,103	1,284	1,393	1,311	1,257
Mechanical engineering	642	548	594	515	561	471	504	537	569
Other engineering	592	638	634	585	655	710	692	722	805
Non-science and engineering	62,242	65,127	71,288	73,358	76,236	80,546	84,249	86,395	90,415
Education	7,904	8,147	8,453	8,089	7,722	7,749	7,460	7,450	8,033
Health	5,645	6,182	6,692	6,543	6,778	6,641	7,171	7,535	8,452

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	7,736	8,182	8,918	9,050	9,562	10,016	10,489	10,653	11,289
Professional/other/unknown	40,957	42,616	47,225	49,676	52,174	56,140	59,129	60,757	62,641
Hispanic, all fields	74,938	78,125	88,324	89,972	95,104	100,352	105,165	109,643	115,279
Science and engineering	24,445	25,712	27,984	28,321	29,871	32,331	33,437	35,202	36,402
Science	20,320	21,587	23,909	24,305	25,735	27,974	28,967	30,588	31,514
Agricultural sciences	559	631	634	607	662	686	673	710	648
Biological sciences	3,795	4,283	4,446	4,547	4,367	4,840	4,601	4,814	5,074
Computer sciences	1,327	1,473	2,155	2,354	2,714	3,445	3,535	3,179	2,909
Earth, atmospheric, and ocean sciences	113	118	127	157	136	119	131	151	143
Mathematical sciences	560	604	599	625	672	669	676	815	871
Physical sciences	740	796	883	870	864	861	885	938	989
Astronomy	4	11	7	16	10	12	23	17	12
Chemistry	593	640	719	669	666	669	651	704	739
Physics	119	117	125	151	157	164	187	183	206
Other physical sciences	24	28	32	34	31	16	24	34	32
Psychology	5,282	5,509	6,127	6,178	6,692	6,807	7,252	7,654	8,143
Social sciences	7,944	8,173	8,938	8,967	9,628	10,547	11,214	12,327	12,737
Engineering	4,125	4,125	4,075	4,016	4,136	4,357	4,470	4,614	4,888
Chemical engineering	379	393	380	341	353	320	313	333	345
Civil engineering	874	920	762	742	761	798	836	888	952
Electrical engineering	1,123	1,070	1,283	1,302	1,411	1,428	1,551	1,521	1,528
Mechanical engineering	832	866	846	880	819	950	935	962	1,049
Other engineering	917	876	804	751	792	861	835	910	1,014
Non-science and engineering	50,493	52,413	60,340	61,651	65,233	68,021	71,728	74,441	78,877
Education	6,430	6,687	7,647	7,349	7,644	7,920	8,416	8,565	9,413
Health	3,474	3,731	4,003	4,044	4,170	4,188	4,482	4,737	5,401
Humanities	8,285	9,193	10,065	10,426	11,069	11,857	12,232	13,293	14,117
Professional/other/unknown	32,304	32,802	38,625	39,832	42,350	44,056	46,598	47,846	49,946
White, non-Hispanic, all fields	877,759	878,018	895,129	888,412	912,956	940,495	962,887	977,279	996,473
Science and engineering	274,800	272,561	270,416	267,848	276,379	290,306	296,576	301,172	306,191
Science	233,134	231,987	231,349	229,081	236,656	248,481	254,719	258,964	262,695
Agricultural sciences	15,246	15,616	15,655	14,950	14,729	14,925	14,353	14,347	14,387
Biological sciences	45,387	45,912	43,907	41,325	41,288	41,949	42,460	43,774	46,472
Computer sciences	15,846	17,069	21,719	24,491	27,506	30,458	30,357	27,615	24,485
Earth, atmospheric, and ocean sciences	3,986	3,803	3,561	3,436	3,450	3,442	3,338	3,366	3,368
Mathematical sciences	9,432	8,903	8,395	8,173	8,756	8,976	9,639	10,171	10,465
Physical sciences	10,934	10,763	10,096	9,812	9,701	9,934	9,833	10,296	11,025
Astronomy	112	127	131	185	204	212	220	234	269
Chemistry	7,537	7,370	6,900	6,505	6,268	6,281	6,153	6,595	7,024
Physics	2,623	2,652	2,543	2,625	2,742	2,970	3,128	3,101	3,342
Other physical sciences	662	614	522	497	487	471	332	366	390
Psychology	55,346	54,225	52,397	51,562	53,324	54,676	56,515	58,043	59,281
Social sciences	76,957	75,696	75,619	75,332	77,902	84,121	88,224	91,352	93,212
Engineering	41,666	40,574	39,067	38,767	39,723	41,825	41,857	42,208	43,496
Chemical engineering	4,631	4,405	4,062	4,061	3,976	3,746	3,483	3,203	3,086
Civil engineering	8,940	8,481	7,003	6,615	6,624	7,032	7,011	7,194	7,768
Electrical engineering	9,293	9,174	9,715	9,891	9,975	10,957	10,934	10,856	10,003
Mechanical engineering	9,919	9,656	9,467	9,541	9,876	10,516	10,756	10,961	11,849
Other engineering	8,883	8,858	8,820	8,659	9,272	9,574	9,673	9,994	10,790
Non-science and engineering	602,959	605,457	624,713	620,564	636,577	650,189	666,311	676,107	690,282
Education	94,721	95,699	97,418	95,026	95,876	96,697	97,232	97,071	98,661

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	61,542	59,796	53,885	49,389	46,633	45,700	48,176	52,432	59,100
Humanities	116,587	118,604	123,131	124,587	130,938	137,232	142,610	146,399	148,725
Professional/other/unknown	330,109	331,358	350,279	351,562	363,130	370,560	378,293	380,205	383,796
Other/unknown race/ethnicity, all fields	28,455	30,977	42,965	48,977	57,697	66,625	76,220	80,034	81,923
Science and engineering	9,809	10,489	13,950	15,839	18,148	21,380	24,437	25,705	25,947
Science	8,470	9,192	12,334	13,948	16,046	18,870	21,806	22,873	23,004
Agricultural sciences	394	428	603	620	684	738	714	730	787
Biological sciences	1,489	1,673	2,032	2,163	2,403	2,599	2,807	3,049	3,352
Computer sciences	871	997	1,558	2,059	2,637	3,537	4,840	4,267	3,612
Earth, atmospheric, and ocean sciences	106	131	121	149	166	174	203	183	223
Mathematical sciences	273	269	397	456	491	607	671	742	809
Physical sciences	350	399	452	510	588	639	668	741	866
Astronomy	9	5	6	10	17	11	17	32	25
Chemistry	205	253	282	313	340	348	385	390	494
Physics	112	107	152	163	198	252	243	290	310
Other physical sciences	24	34	12	24	33	28	23	29	37
Psychology	1,847	1,919	2,588	2,872	3,410	3,623	3,852	4,254	4,317
Social sciences	3,140	3,376	4,583	5,119	5,667	6,953	8,051	8,907	9,038
Engineering	1,339	1,297	1,616	1,891	2,102	2,510	2,631	2,832	2,943
Chemical engineering	120	103	119	156	155	206	162	153	174
Civil engineering	231	239	239	265	269	329	360	389	434
Electrical engineering	368	384	565	676	775	943	1,020	1,031	982
Mechanical engineering	325	321	358	431	485	514	558	647	719
Other engineering	295	250	335	363	418	518	531	612	634
Non-science and engineering	18,646	20,488	29,015	33,138	39,549	45,245	51,783	54,329	55,976
Education	1,644	1,775	2,628	3,167	3,789	4,209	4,513	4,570	4,823
Health	1,879	1,961	1,971	1,944	2,508	2,631	3,373	3,732	4,291
Humanities	4,281	4,629	6,932	7,825	8,995	10,233	11,426	12,295	13,208
Professional/other/unknown	10,842	12,123	17,484	20,202	24,257	28,172	32,471	33,732	33,654
Nonresident aliens, all fields <sup>c</sup>	38,774	38,887	38,795	39,479	41,124	42,823	44,175	44,448	45,092
Science and engineering	14,737	14,709	15,184	15,714	16,323	17,729	18,620	18,444	18,092
Science	9,940	10,066	10,651	11,295	12,056	13,454	14,073	13,707	13,380
Agricultural sciences	253	293	258	248	262	270	249	274	266
Biological sciences	1,462	1,423	1,376	1,437	1,457	1,537	1,653	1,966	2,119
Computer sciences	2,015	2,137	2,886	3,392	3,888	4,686	4,861	3,876	2,944
Earth, atmospheric, and ocean sciences	78	82	46	49	59	57	50	80	76
Mathematical sciences	533	453	479	426	454	622	682	761	809
Physical sciences	593	593	532	558	545	523	591	670	764
Astronomy	8	11	4	13	16	15	10	20	13
Chemistry	396	385	344	335	343	326	350	398	466
Physics	176	178	160	182	167	168	189	201	243
Other physical sciences	13	19	24	28	19	14	42	51	42
Psychology	1,049	1,170	1,264	1,283	1,367	1,394	1,471	1,504	1,577
Social sciences	3,957	3,915	3,810	3,902	4,024	4,365	4,516	4,576	4,825
Engineering	4,797	4,643	4,533	4,419	4,267	4,275	4,547	4,737	4,712
Chemical engineering	571	507	445	424	447	359	368	411	436
Civil engineering	474	510	459	412	371	349	315	326	342
Electrical engineering	1,870	1,837	1,836	1,842	1,869	2,052	2,273	2,319	2,176
Mechanical engineering	908	797	789	744	683	596	614	647	650
Other engineering	974	992	1,004	997	897	919	977	1,034	1,108

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	24,037	24,178	23,611	23,765	24,801	25,094	25,555	26,004	27,000
Education	1,078	953	1,034	1,102	1,312	1,097	1,235	1,102	1,324
Health	946	695	700	902	676	791	790	1,004	1,410
Humanities	4,021	3,978	4,074	3,928	4,180	4,237	4,269	4,015	4,120
Professional/other/unknown	17,992	18,552	17,803	17,833	18,633	18,969	19,261	19,883	20,146

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	525,282	525,714	536,158	536,023	553,957	575,977	596,192	608,262	621,911
Science and engineering	201,471	200,221	197,669	197,623	204,408	218,698	225,909	230,806	234,260
Science	150,589	150,646	150,349	150,279	156,456	167,895	174,491	177,870	179,439
Agricultural sciences	10,094	10,224	9,780	8,976	8,726	8,734	8,327	8,380	8,393
Biological sciences	29,873	30,011	26,946	25,005	24,073	24,049	24,322	25,699	27,906
Computer sciences	18,490	20,235	26,914	31,284	35,631	41,139	42,999	39,329	34,425
Earth, atmospheric, and ocean sciences	2,924	2,722	2,430	2,346	2,282	2,298	2,256	2,299	2,352
Mathematical sciences	6,834	6,435	6,131	5,958	6,511	7,003	7,437	8,215	8,433
Physical sciences	9,382	9,279	8,590	8,252	8,034	8,238	8,238	8,610	9,448
Astronomy	94	110	106	145	160	161	169	188	235
Chemistry	6,043	5,900	5,483	5,047	4,719	4,650	4,550	4,791	5,254
Physics	2,741	2,789	2,638	2,701	2,825	3,082	3,248	3,307	3,631
Other physical sciences	504	480	363	359	330	345	271	324	328
Psychology	19,491	19,057	17,540	16,701	17,397	17,616	18,302	19,103	19,934
Social sciences	53,501	52,683	52,018	51,757	53,802	58,818	62,610	66,235	68,548
Engineering	50,882	49,575	47,320	47,344	47,952	50,803	51,418	52,936	54,821
Chemical engineering	4,701	4,525	4,016	4,033	3,823	3,532	3,352	3,113	3,179
Civil engineering	9,441	8,946	7,263	6,908	6,667	7,118	7,120	7,448	8,241
Electrical engineering	14,416	14,310	15,322	15,829	16,257	17,820	18,310	18,579	17,280
Mechanical engineering	12,171	11,727	11,325	11,421	11,594	12,183	12,416	12,955	14,068
Other engineering	10,153	10,067	9,394	9,153	9,611	10,150	10,220	10,841	12,053
Non-science and engineering	323,811	325,493	338,489	338,400	349,549	357,279	370,283	377,456	387,651
Education	30,755	31,233	31,734	30,243	30,264	29,789	30,393	30,474	31,569
Health	13,940	13,378	11,480	10,719	9,625	9,126	9,642	10,203	12,255
Humanities	64,323	65,596	67,879	68,450	72,380	75,385	78,890	81,453	83,732
Professional/other/unknown	214,793	215,286	227,396	228,988	237,280	242,979	251,358	255,326	260,095
U.S. citizens and permanent residents, all fields <sup>a</sup>	503,659	504,262	515,544	515,173	532,641	553,720	573,326	585,459	599,269
Science and engineering	191,991	190,784	188,521	188,164	194,763	208,197	214,865	219,840	223,890
Science	145,230	145,224	144,928	144,462	150,326	160,892	167,085	170,682	172,752
Agricultural sciences	9,932	10,055	9,647	8,857	8,613	8,616	8,225	8,263	8,274
Biological sciences	29,204	29,331	26,399	24,425	23,535	23,447	23,680	24,977	27,117
Computer sciences	17,048	18,722	24,933	28,948	32,975	37,923	39,554	36,402	32,178
Earth, atmospheric, and ocean sciences	2,875	2,674	2,401	2,310	2,249	2,268	2,231	2,255	2,310
Mathematical sciences	6,514	6,149	5,827	5,692	6,233	6,608	7,052	7,762	7,946
Physical sciences	9,000	8,898	8,266	7,929	7,719	7,936	7,895	8,230	9,021
Astronomy	87	102	105	138	151	154	165	179	225
Chemistry	5,821	5,689	5,298	4,892	4,547	4,490	4,384	4,607	5,055
Physics	2,598	2,640	2,518	2,565	2,704	2,958	3,110	3,162	3,442
Other physical sciences	494	467	345	334	317	334	236	282	299
Psychology	19,236	18,761	17,266	16,431	17,089	17,336	17,998	18,785	19,614
Social sciences	51,421	50,634	50,189	49,870	51,913	56,758	60,450	64,008	66,292
Engineering	46,761	45,560	43,593	43,702	44,437	47,305	47,780	49,158	51,138
Chemical engineering	4,287	4,139	3,713	3,723	3,505	3,296	3,104	2,835	2,891
Civil engineering	9,059	8,515	6,901	6,586	6,377	6,839	6,894	7,208	7,996
Electrical engineering	12,761	12,666	13,769	14,258	14,675	16,073	16,390	16,632	15,468
Mechanical engineering	11,324	10,984	10,613	10,741	10,963	11,655	11,871	12,375	13,498
Other engineering	9,330	9,256	8,597	8,394	8,917	9,442	9,521	10,108	11,285
Non-science and engineering	311,668	313,478	327,023	327,009	337,878	345,523	358,461	365,619	375,379
Education	30,417	30,920	31,394	29,879	29,839	29,415	29,993	30,089	31,125
Health	13,697	13,207	11,329	10,529	9,463	8,959	9,499	10,028	11,979
Humanities	62,754	64,097	66,277	66,916	70,792	73,751	77,312	79,993	82,153
Professional/other/unknown	204,800	205,254	218,023	219,685	227,784	233,398	241,657	245,509	250,122

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Asian/Pacific Islander, all fields	31,732	32,588	34,568	34,205	35,739	37,776	38,395	40,428	42,314
Science and engineering	17,626	18,176	18,572	18,975	19,348	20,784	21,166	22,069	22,306
Science	12,015	12,741	13,382	13,634	14,081	15,227	15,558	15,914	15,849
Agricultural sciences	167	188	180	143	161	177	149	151	205
Biological sciences	4,008	4,181	3,565	3,213	2,884	2,908	2,937	3,329	3,886
Computer sciences	1,954	2,328	3,660	4,280	4,855	5,531	5,187	4,487	3,386
Earth, atmospheric, and ocean sciences	46	45	53	43	37	44	44	42	51
Mathematical sciences	472	444	447	482	515	602	671	793	769
Physical sciences	835	858	783	687	622	589	628	623	781
Astronomy	3	9	5	2	12	11	8	12	23
Chemistry	659	664	599	536	464	406	434	410	514
Physics	145	170	162	138	130	150	170	183	228
Other physical sciences	28	15	17	11	16	22	16	18	16
Psychology	1,205	1,223	1,038	1,044	1,117	1,072	1,049	1,194	1,357
Social sciences	3,328	3,474	3,656	3,742	3,890	4,304	4,893	5,295	5,414
Engineering	5,611	5,435	5,190	5,341	5,267	5,557	5,608	6,155	6,457
Chemical engineering	548	553	436	404	323	302	294	262	328
Civil engineering	763	636	457	372	311	319	310	356	526
Electrical engineering	2,262	2,298	2,613	2,881	3,035	3,215	3,278	3,521	3,127
Mechanical engineering	970	966	830	830	743	782	719	856	1,019
Other engineering	1,068	982	854	854	855	939	1,007	1,160	1,457
Non-science and engineering	14,106	14,412	15,996	15,230	16,391	16,992	17,229	18,359	20,008
Education	549	608	612	587	603	558	509	522	604
Health	917	973	904	817	668	623	606	628	842
Humanities	2,449	2,562	2,681	2,615	2,966	3,060	3,204	3,380	3,714
Professional/other/unknown	10,191	10,269	11,799	11,211	12,154	12,751	12,910	13,829	14,848
Underrepresented minorities, all fields <sup>b</sup>	66,191	68,448	73,662	75,206	77,368	81,109	84,996	87,255	90,657
Science and engineering	24,038	24,788	25,666	26,022	26,719	28,734	29,863	30,696	31,557
Science	18,626	19,425	20,367	20,918	21,513	23,173	24,142	24,857	25,346
Agricultural sciences	542	580	598	582	573	568	560	549	524
Biological sciences	3,060	3,462	3,272	3,276	3,058	3,155	3,057	3,147	3,381
Computer sciences	2,214	2,409	3,400	4,123	4,652	5,640	6,116	5,582	5,149
Earth, atmospheric, and ocean sciences	111	107	123	125	131	117	105	113	122
Mathematical sciences	838	818	791	715	742	776	742	932	933
Physical sciences	880	953	909	912	877	872	848	894	946
Astronomy	1	10	7	11	11	6	19	11	12
Chemistry	628	668	665	650	585	590	531	573	602
Physics	206	221	191	221	252	248	262	275	299
Other physical sciences	45	54	46	30	29	28	36	35	33
Psychology	3,000	3,073	3,202	3,109	3,224	3,169	3,292	3,463	3,547
Social sciences	7,981	8,023	8,072	8,076	8,256	8,876	9,422	10,177	10,744
Engineering	5,412	5,363	5,299	5,104	5,206	5,561	5,721	5,839	6,211
Chemical engineering	412	411	413	385	377	355	342	323	292
Civil engineering	983	1,010	878	798	784	794	837	891	969
Electrical engineering	1,764	1,734	1,906	1,903	2,005	2,191	2,345	2,313	2,323
Mechanical engineering	1,222	1,152	1,199	1,161	1,132	1,193	1,218	1,251	1,399
Other engineering	1,031	1,056	903	857	908	1,028	979	1,061	1,228
Non-science and engineering	42,153	43,660	47,996	49,184	50,649	52,375	55,133	56,559	59,100
Education	4,113	4,383	4,782	4,561	4,549	4,576	4,632	4,647	4,999
Health	1,555	1,770	1,680	1,732	1,668	1,576	1,744	1,821	2,116
Humanities	6,811	7,346	7,834	8,018	8,446	8,778	9,366	9,841	10,309

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	29,674	30,161	33,700	34,873	35,986	37,445	39,391	40,250	41,676
American Indian/Alaska Native, all fields	2,915	3,079	3,357	3,523	3,415	3,606	3,957	3,828	3,824
Science and engineering	1,043	1,122	1,166	1,318	1,177	1,258	1,471	1,421	1,406
Science	847	915	927	1,126	943	1,012	1,228	1,152	1,124
Agricultural sciences	76	83	100	118	89	72	98	78	82
Biological sciences	157	191	156	194	163	140	154	188	161
Computer sciences	71	76	113	193	144	181	323	171	162
Earth, atmospheric, and ocean sciences	15	12	22	19	17	16	11	11	21
Mathematical sciences	29	38	31	28	29	30	37	48	33
Physical sciences	42	53	33	40	43	46	47	61	56
Astronomy	0	0	1	0	1	1	1	1	0
Chemistry	33	40	23	24	25	31	25	33	35
Physics	8	12	8	13	14	12	17	26	19
Other physical sciences	1	1	1	3	3	2	4	1	2
Psychology	124	147	128	156	125	120	127	131	129
Social sciences	333	315	344	378	333	407	431	464	480
Engineering	196	207	239	192	234	246	243	269	282
Chemical engineering	21	25	30	22	21	25	18	16	20
Civil engineering	47	48	58	39	49	44	47	54	52
Electrical engineering	43	48	68	48	60	78	68	73	64
Mechanical engineering	36	40	41	39	44	51	61	58	77
Other engineering	49	46	42	44	60	48	49	68	69
Non-science and engineering	1,872	1,957	2,191	2,205	2,238	2,348	2,486	2,407	2,418
Education	245	275	305	271	259	250	272	254	238
Health	94	116	87	72	77	68	75	82	101
Humanities	392	364	421	444	406	464	503	537	500
Professional/other/unknown	1,141	1,202	1,378	1,418	1,496	1,566	1,636	1,534	1,579
Black, non-Hispanic, all fields	32,726	33,653	35,648	36,378	37,206	38,991	40,692	41,918	43,392
Science and engineering	11,495	11,698	11,976	11,963	12,421	13,255	13,739	13,995	14,268
Science	9,475	9,721	10,003	10,105	10,530	11,237	11,623	11,884	12,061
Agricultural sciences	171	179	183	167	179	196	168	177	188
Biological sciences	1,304	1,448	1,380	1,326	1,276	1,292	1,317	1,295	1,393
Computer sciences	1,253	1,372	1,827	2,302	2,630	3,117	3,267	3,083	2,775
Earth, atmospheric, and ocean sciences	37	33	27	32	30	33	25	30	28
Mathematical sciences	483	462	434	357	373	374	337	416	420
Physical sciences	429	488	445	416	407	377	366	380	414
Astronomy	0	1	1	2	2	0	1	1	5
Chemistry	302	340	327	314	277	255	246	253	269
Physics	101	114	89	90	113	106	104	109	122
Other physical sciences	26	33	28	10	15	16	15	17	18
Psychology	1,591	1,544	1,646	1,557	1,537	1,563	1,573	1,632	1,660
Social sciences	4,207	4,195	4,061	3,948	4,098	4,285	4,570	4,871	5,183
Engineering	2,020	1,977	1,973	1,858	1,891	2,018	2,116	2,111	2,207
Chemical engineering	165	165	169	179	156	149	149	121	101
Civil engineering	275	254	256	215	191	181	187	201	220
Electrical engineering	777	782	753	759	781	929	1,019	959	977
Mechanical engineering	459	398	443	381	407	348	366	411	437
Other engineering	344	378	352	324	356	411	395	419	472
Non-science and engineering	21,231	21,955	23,672	24,415	24,785	25,736	26,953	27,923	29,124
Education	2,187	2,398	2,468	2,408	2,320	2,264	2,221	2,273	2,451
Health	750	861	880	908	836	791	869	945	1,076

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	2,970	3,139	3,293	3,375	3,613	3,615	3,870	3,941	4,269
Professional/other/unknown	15,324	15,557	17,031	17,724	18,016	19,066	19,993	20,764	21,328
Hispanic, all fields	30,550	31,716	34,657	35,305	36,747	38,512	40,347	41,509	43,441
Science and engineering	11,500	11,968	12,524	12,741	13,121	14,221	14,653	15,280	15,883
Science	8,304	8,789	9,437	9,687	10,040	10,924	11,291	11,821	12,161
Agricultural sciences	295	318	315	297	305	300	294	294	254
Biological sciences	1,599	1,823	1,736	1,756	1,619	1,723	1,586	1,664	1,827
Computer sciences	890	961	1,460	1,628	1,878	2,342	2,526	2,328	2,212
Earth, atmospheric, and ocean sciences	59	62	74	74	84	68	69	72	73
Mathematical sciences	326	318	326	330	340	372	368	468	480
Physical sciences	409	412	431	456	427	449	435	453	476
Astronomy	1	9	5	9	8	5	17	9	7
Chemistry	293	288	315	312	283	304	260	287	298
Physics	97	95	94	118	125	130	141	140	158
Other physical sciences	18	20	17	17	11	10	17	17	13
Psychology	1,285	1,382	1,428	1,396	1,562	1,486	1,592	1,700	1,758
Social sciences	3,441	3,513	3,667	3,750	3,825	4,184	4,421	4,842	5,081
Engineering	3,196	3,179	3,087	3,054	3,081	3,297	3,362	3,459	3,722
Chemical engineering	226	221	214	184	200	181	175	186	171
Civil engineering	661	708	564	544	544	569	603	636	697
Electrical engineering	944	904	1,085	1,096	1,164	1,184	1,258	1,281	1,282
Mechanical engineering	727	714	715	741	681	794	791	782	885
Other engineering	638	632	509	489	492	569	535	574	687
Non-science and engineering	19,050	19,748	22,133	22,564	23,626	24,291	25,694	26,229	27,558
Education	1,681	1,710	2,009	1,882	1,970	2,062	2,139	2,120	2,310
Health	711	793	713	752	755	717	800	794	939
Humanities	3,449	3,843	4,120	4,199	4,427	4,699	4,993	5,363	5,540
Professional/other/unknown	13,209	13,402	15,291	15,731	16,474	16,813	17,762	17,952	18,769
White, non-Hispanic, all fields	392,541	389,007	388,171	383,832	394,159	405,401	416,122	422,255	430,003
Science and engineering	145,094	142,372	137,288	135,184	139,654	147,682	151,231	153,884	156,772
Science	110,483	108,720	105,503	103,474	107,367	113,504	116,944	119,016	120,729
Agricultural sciences	9,010	9,062	8,554	7,829	7,550	7,503	7,187	7,216	7,185
Biological sciences	21,417	20,935	18,679	17,039	16,572	16,317	16,567	17,291	18,516
Computer sciences	12,247	13,274	16,748	19,043	21,539	24,096	24,638	23,001	20,816
Earth, atmospheric, and ocean sciences	2,651	2,439	2,157	2,053	1,988	1,996	1,971	1,999	2,010
Mathematical sciences	5,045	4,739	4,346	4,245	4,688	4,855	5,247	5,590	5,786
Physical sciences	7,044	6,851	6,282	5,993	5,886	6,069	6,020	6,260	6,775
Astronomy	75	82	88	119	119	130	131	145	175
Chemistry	4,406	4,224	3,876	3,521	3,334	3,314	3,228	3,426	3,685
Physics	2,152	2,159	2,043	2,076	2,175	2,359	2,493	2,478	2,686
Other physical sciences	411	386	275	277	258	266	168	211	229
Psychology	14,520	13,918	12,394	11,585	11,931	12,207	12,696	13,105	13,680
Social sciences	38,549	37,502	36,343	35,687	37,213	40,461	42,618	44,554	45,961
Engineering	34,611	33,652	31,785	31,710	32,287	34,178	34,287	34,868	36,043
Chemical engineering	3,234	3,102	2,791	2,832	2,703	2,508	2,353	2,139	2,145
Civil engineering	7,130	6,679	5,383	5,213	5,097	5,492	5,459	5,670	6,172
Electrical engineering	8,415	8,294	8,734	8,885	8,964	9,865	9,888	9,908	9,156
Mechanical engineering	8,838	8,572	8,281	8,380	8,658	9,223	9,455	9,708	10,452
Other engineering	6,994	7,005	6,596	6,400	6,865	7,090	7,132	7,443	8,118
Non-science and engineering	247,447	246,635	250,883	248,648	254,505	257,719	264,891	268,371	273,231
Education	25,247	25,333	25,225	23,791	23,594	23,134	23,510	23,555	24,060



TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	10,878	10,119	8,424	7,661	6,690	6,287	6,604	6,937	8,262
Humanities	51,564	52,123	52,721	52,914	55,509	57,602	59,863	61,562	62,560
Professional/other/unknown	159,758	159,060	164,513	164,282	168,712	170,696	174,914	176,317	178,349
Other/unknown race/ethnicity, all fields	13,195	14,219	19,143	21,930	25,375	29,434	33,813	35,521	36,295
Science and engineering	5,233	5,448	6,995	7,983	9,042	10,997	12,605	13,191	13,255
Science	4,106	4,338	5,676	6,436	7,365	8,988	10,441	10,895	10,828
Agricultural sciences	213	225	315	303	329	368	329	347	360
Biological sciences	719	753	883	897	1,021	1,067	1,119	1,210	1,334
Computer sciences	633	711	1,125	1,502	1,929	2,656	3,613	3,332	2,827
Earth, atmospheric, and ocean sciences	67	83	68	89	93	111	111	101	127
Mathematical sciences	159	148	243	250	288	375	392	447	458
Physical sciences	241	236	292	337	334	406	399	453	519
Astronomy	8	1	5	6	9	7	7	11	15
Chemistry	128	133	158	185	164	180	191	198	254
Physics	95	90	122	130	147	201	185	226	229
Other physical sciences	10	12	7	16	14	18	16	18	21
Psychology	511	547	632	693	817	888	961	1,023	1,030
Social sciences	1,563	1,635	2,118	2,365	2,554	3,117	3,517	3,982	4,173
Engineering	1,127	1,110	1,319	1,547	1,677	2,009	2,164	2,296	2,427
Chemical engineering	93	73	73	102	102	131	115	111	126
Civil engineering	183	190	183	203	185	234	288	291	329
Electrical engineering	320	340	516	589	671	802	879	890	862
Mechanical engineering	294	294	303	370	430	457	479	560	628
Other engineering	237	213	244	283	289	385	403	444	482
Non-science and engineering	7,962	8,771	12,148	13,947	16,333	18,437	21,208	22,330	23,040
Education	508	596	775	940	1,093	1,147	1,342	1,365	1,462
Health	347	345	321	319	437	473	545	642	759
Humanities	1,930	2,066	3,041	3,369	3,871	4,311	4,879	5,210	5,570
Professional/other/unknown	5,177	5,764	8,011	9,319	10,932	12,506	14,442	15,113	15,249
Nonresident aliens, all fields <sup>c</sup>	21,623	21,452	20,614	20,850	21,316	22,257	22,866	22,803	22,642
Science and engineering	9,480	9,437	9,148	9,459	9,645	10,501	11,044	10,966	10,370
Science	5,359	5,422	5,421	5,817	6,130	7,003	7,406	7,188	6,687
Agricultural sciences	162	169	133	119	113	118	102	117	119
Biological sciences	669	680	547	580	538	602	642	722	789
Computer sciences	1,442	1,513	1,981	2,336	2,656	3,216	3,445	2,927	2,247
Earth, atmospheric, and ocean sciences	49	48	29	36	33	30	25	44	42
Mathematical sciences	320	286	304	266	278	395	385	453	487
Physical sciences	382	381	324	323	315	302	343	380	427
Astronomy	7	8	1	7	9	7	4	9	10
Chemistry	222	211	185	155	172	160	166	184	199
Physics	143	149	120	136	121	124	138	145	189
Other physical sciences	10	13	18	25	13	11	35	42	29
Psychology	255	296	274	270	308	280	304	318	320
Social sciences	2,080	2,049	1,829	1,887	1,889	2,060	2,160	2,227	2,256
Engineering	4,121	4,015	3,727	3,642	3,515	3,498	3,638	3,778	3,683
Chemical engineering	414	386	303	310	318	236	248	278	288
Civil engineering	382	431	362	322	290	279	226	240	245
Electrical engineering	1,655	1,644	1,553	1,571	1,582	1,747	1,920	1,947	1,812
Mechanical engineering	847	743	712	680	631	528	545	580	570
Other engineering	823	811	797	759	694	708	699	733	768

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	12,143	12,015	11,466	11,391	11,671	11,756	11,822	11,837	12,272
Education	338	313	340	364	425	374	400	385	444
Health	243	171	151	190	162	167	143	175	276
Humanities	1,569	1,499	1,602	1,534	1,588	1,634	1,578	1,460	1,579
Professional/other/unknown	9,993	10,032	9,373	9,303	9,496	9,581	9,701	9,817	9,973

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	661,307	673,865	716,963	721,625	751,773	783,866	810,817	828,938	851,824
Science and engineering	187,011	190,397	200,953	202,583	211,203	222,389	229,939	235,197	239,273
Science	175,541	179,058	188,737	190,669	198,516	209,419	216,682	222,000	225,973
Agricultural sciences	7,267	7,743	8,464	8,491	8,634	8,959	8,714	8,731	8,907
Biological sciences	35,266	37,101	37,958	37,084	37,695	39,533	40,440	42,283	45,032
Computer sciences	6,903	7,439	10,474	11,900	13,504	15,190	14,406	11,235	8,852
Earth, atmospheric, and ocean sciences	1,542	1,599	1,617	1,622	1,702	1,651	1,647	1,660	1,646
Mathematical sciences	5,889	5,659	5,604	5,497	5,762	5,879	6,318	6,625	6,878
Physical sciences	5,882	5,994	5,990	5,911	5,982	5,884	6,002	6,420	6,957
Astronomy	46	58	54	95	116	110	123	143	131
Chemistry	4,883	4,973	4,907	4,775	4,729	4,682	4,755	5,146	5,637
Physics	652	666	724	756	826	840	908	903	946
Other physical sciences	301	297	305	285	311	252	216	228	243
Psychology	55,243	55,400	57,114	57,467	59,926	61,499	64,208	66,833	68,351
Social sciences	57,549	58,123	61,516	62,697	65,311	70,824	74,947	78,213	79,350
Engineering	11,470	11,339	12,216	11,914	12,687	12,970	13,257	13,197	13,300
Chemical engineering	2,276	2,196	2,203	2,055	2,123	2,013	1,833	1,776	1,678
Civil engineering	2,569	2,576	2,333	2,041	2,224	2,249	2,279	2,349	2,422
Electrical engineering	2,018	2,012	2,350	2,542	2,720	2,909	3,032	2,833	2,571
Mechanical engineering	1,635	1,636	1,784	1,739	1,783	1,861	1,952	1,953	2,107
Other engineering	2,972	2,919	3,546	3,537	3,837	3,938	4,161	4,286	4,522
Non-science and engineering	474,296	483,468	516,010	519,042	540,570	561,477	580,878	593,741	612,551
Education	83,829	85,031	88,555	87,501	89,287	90,985	91,624	91,402	94,017
Health	63,829	63,581	60,104	56,032	54,908	54,297	57,999	63,212	71,245
Humanities	83,771	86,381	93,257	95,545	101,100	107,517	112,029	115,662	118,796
Professional/other/unknown	242,867	248,475	274,094	279,964	295,275	308,678	319,226	323,465	328,493
U.S. citizens and permanent residents, all fields <sup>a</sup>	644,156	656,430	698,782	702,996	731,965	763,300	789,508	807,293	829,374
Science and engineering	181,754	185,125	194,917	196,328	204,525	215,161	222,363	227,719	231,551
Science	170,960	174,414	183,507	185,191	192,590	202,968	210,015	215,481	219,280
Agricultural sciences	7,176	7,619	8,339	8,362	8,485	8,807	8,567	8,574	8,760
Biological sciences	34,473	36,358	37,129	36,227	36,776	38,598	39,429	41,039	43,702
Computer sciences	6,330	6,815	9,569	10,844	12,272	13,720	12,990	10,286	8,155
Earth, atmospheric, and ocean sciences	1,513	1,565	1,600	1,609	1,676	1,624	1,622	1,624	1,612
Mathematical sciences	5,676	5,492	5,429	5,337	5,586	5,652	6,021	6,317	6,556
Physical sciences	5,671	5,782	5,782	5,676	5,752	5,663	5,754	6,130	6,620
Astronomy	45	55	51	89	109	102	117	132	128
Chemistry	4,709	4,799	4,748	4,595	4,558	4,516	4,571	4,932	5,370
Physics	619	637	684	710	780	796	857	847	892
Other physical sciences	298	291	299	282	305	249	209	219	230
Psychology	54,449	54,526	56,124	56,454	58,867	60,385	63,041	65,647	67,094
Social sciences	55,672	56,257	59,535	60,682	63,176	68,519	72,591	75,864	76,781
Engineering	10,794	10,711	11,410	11,137	11,935	12,193	12,348	12,238	12,271
Chemical engineering	2,119	2,075	2,061	1,941	1,994	1,890	1,713	1,643	1,530
Civil engineering	2,477	2,497	2,236	1,951	2,143	2,179	2,190	2,263	2,325
Electrical engineering	1,803	1,819	2,067	2,271	2,433	2,604	2,679	2,461	2,207
Mechanical engineering	1,574	1,582	1,707	1,675	1,731	1,793	1,883	1,886	2,027
Other engineering	2,821	2,738	3,339	3,299	3,634	3,727	3,883	3,985	4,182
Non-science and engineering	462,402	471,305	503,865	506,668	527,440	548,139	567,145	579,574	597,823
Education	83,089	84,391	87,861	86,763	88,400	90,262	90,789	90,685	93,137
Health	63,126	63,057	59,555	55,320	54,394	53,673	57,352	62,383	70,111
Humanities	81,319	83,902	90,785	93,151	98,508	104,914	109,338	113,107	116,255

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	234,868	239,955	265,664	271,434	286,138	299,290	309,666	313,399	318,320
Asian/Pacific Islander, all fields	35,626	37,400	40,697	41,291	43,410	45,273	47,635	50,134	52,784
Science and engineering	14,942	15,828	16,981	17,423	18,104	18,954	20,012	20,961	21,900
Science	13,468	14,261	15,317	15,739	16,250	17,099	17,995	18,908	19,814
Agricultural sciences	229	251	274	256	250	282	266	295	337
Biological sciences	4,533	4,688	4,460	4,280	4,325	4,491	4,849	5,503	6,194
Computer sciences	849	892	1,741	2,046	2,352	2,542	2,275	1,588	1,046
Earth, atmospheric, and ocean sciences	49	47	45	43	48	29	41	44	43
Mathematical sciences	380	390	444	434	485	551	573	627	677
Physical sciences	690	726	679	657	595	554	601	693	838
Astronomy	4	3	4	10	12	5	10	9	14
Chemistry	621	673	609	590	514	487	526	614	754
Physics	59	38	56	46	54	54	53	53	53
Other physical sciences	6	12	10	11	15	8	12	17	17
Psychology	2,862	3,044	3,150	3,106	3,124	2,988	3,296	3,605	3,942
Social sciences	3,876	4,223	4,524	4,917	5,071	5,662	6,094	6,553	6,737
Engineering	1,474	1,567	1,664	1,684	1,854	1,855	2,017	2,053	2,086
Chemical engineering	326	344	352	298	313	261	233	224	230
Civil engineering	254	273	189	149	171	181	183	229	244
Electrical engineering	401	459	530	641	739	751	805	769	709
Mechanical engineering	165	162	172	168	149	157	209	226	229
Other engineering	328	329	421	428	482	505	587	605	674
Non-science and engineering	20,684	21,572	23,716	23,868	25,306	26,319	27,623	29,173	30,884
Education	1,306	1,423	1,492	1,458	1,563	1,478	1,617	1,596	1,767
Health	2,900	3,109	2,967	2,688	2,663	2,416	2,558	2,855	3,426
Humanities	3,902	3,957	4,313	4,529	4,779	5,180	5,466	5,918	6,139
Professional/other/unknown	12,576	13,083	14,944	15,193	16,301	17,245	17,982	18,804	19,552
Underrepresented minorities, all fields <sup>b</sup>	108,052	113,261	127,305	130,078	137,436	145,742	152,701	157,622	164,492
Science and engineering	32,530	34,067	37,853	38,385	40,590	43,200	45,174	46,956	47,540
Science	30,477	32,032	35,686	36,333	38,370	41,010	42,880	44,647	45,324
Agricultural sciences	530	611	676	668	701	733	750	765	794
Biological sciences	5,200	5,773	6,292	6,395	6,353	6,943	6,999	7,214	7,534
Computer sciences	1,644	1,842	2,424	2,793	3,245	3,935	3,769	3,149	2,655
Earth, atmospheric, and ocean sciences	90	106	98	123	93	86	122	131	115
Mathematical sciences	795	817	782	769	830	748	777	814	849
Physical sciences	982	981	1,129	1,027	1,088	1,011	1,071	1,113	1,185
Astronomy	3	3	3	9	4	11	8	13	10
Chemistry	880	860	991	893	934	894	926	957	1,037
Physics	72	89	98	82	108	80	111	107	102
Other physical sciences	27	29	37	43	42	26	26	36	36
Psychology	9,425	9,803	11,015	11,192	11,757	12,193	13,035	13,873	14,264
Social sciences	11,811	12,099	13,270	13,366	14,303	15,361	16,357	17,588	17,928
Engineering	2,053	2,035	2,167	2,052	2,220	2,190	2,294	2,309	2,216
Chemical engineering	369	398	392	360	355	316	303	313	311
Civil engineering	365	373	371	338	361	363	383	412	380
Electrical engineering	476	436	507	537	579	620	687	603	531
Mechanical engineering	297	309	294	285	309	286	294	320	310
Other engineering	546	519	603	532	616	605	627	661	684
Non-science and engineering	75,522	79,194	89,452	91,693	96,846	102,542	107,527	110,666	116,952
Education	11,173	11,423	12,323	11,843	11,859	12,159	12,279	12,368	13,408
Health	8,030	8,655	9,477	9,279	9,717	9,686	10,394	10,943	12,315

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	10,043	10,901	12,171	12,493	13,176	14,182	14,578	15,267	16,313
Professional/other/unknown	46,276	48,215	55,481	58,078	62,094	66,515	70,276	72,088	74,916
American Indian/Alaska Native, all fields	4,323	4,627	5,074	5,141	5,253	5,636	5,957	5,728	6,222
Science and engineering	1,255	1,270	1,445	1,478	1,465	1,634	1,760	1,746	1,880
Science	1,188	1,223	1,356	1,414	1,391	1,560	1,670	1,666	1,809
Agricultural sciences	70	68	90	97	69	91	89	82	103
Biological sciences	184	208	223	237	247	240	263	308	318
Computer sciences	28	36	59	78	85	82	93	78	66
Earth, atmospheric, and ocean sciences	16	13	21	16	9	8	20	14	15
Mathematical sciences	28	27	38	23	28	35	22	28	31
Physical sciences	27	28	32	33	40	48	29	42	46
Astronomy	0	0	1	2	1	3	0	2	1
Chemistry	21	24	26	23	32	40	25	32	38
Physics	3	2	4	6	7	5	3	7	5
Other physical sciences	3	2	1	2	0	0	1	1	2
Psychology	372	368	390	405	417	424	469	421	464
Social sciences	463	475	503	525	496	632	685	693	766
Engineering	67	47	89	64	74	74	90	80	71
Chemical engineering	8	6	12	9	12	9	11	14	7
Civil engineering	24	14	26	26	18	23	17	19	21
Electrical engineering	7	5	13	8	10	21	20	11	5
Mechanical engineering	9	7	12	12	17	7	12	14	14
Other engineering	19	15	26	9	17	14	30	22	24
Non-science and engineering	3,068	3,357	3,629	3,663	3,788	4,002	4,197	3,982	4,342
Education	707	697	700	695	783	816	763	746	723
Health	372	396	375	352	360	365	410	410	477
Humanities	441	508	601	591	585	623	720	625	716
Professional/other/unknown	1,548	1,756	1,953	2,025	2,060	2,198	2,304	2,201	2,426
Black, non-Hispanic, all fields	59,341	62,225	68,564	70,270	73,826	78,266	81,926	83,760	86,432
Science and engineering	18,330	19,053	20,948	21,327	22,375	23,456	24,630	25,288	25,141
Science	17,273	18,011	19,858	20,301	21,284	22,400	23,534	24,214	24,162
Agricultural sciences	196	230	267	261	275	256	282	267	297
Biological sciences	2,820	3,105	3,359	3,367	3,358	3,586	3,721	3,756	3,969
Computer sciences	1,179	1,294	1,670	1,989	2,324	2,750	2,667	2,220	1,892
Earth, atmospheric, and ocean sciences	20	37	24	24	32	27	40	38	30
Mathematical sciences	533	504	471	451	470	416	447	439	427
Physical sciences	624	569	645	580	611	551	592	586	626
Astronomy	0	1	0	0	1	1	2	3	4
Chemistry	559	484	561	513	519	489	510	508	558
Physics	47	65	63	43	69	41	62	57	49
Other physical sciences	18	19	21	24	22	20	18	18	15
Psychology	5,056	5,308	5,926	6,005	6,210	6,448	6,906	7,498	7,415
Social sciences	6,845	6,964	7,496	7,624	8,004	8,366	8,879	9,410	9,506
Engineering	1,057	1,042	1,090	1,026	1,091	1,056	1,096	1,074	979
Chemical engineering	208	220	214	194	190	168	154	152	130
Civil engineering	128	147	147	114	126	111	133	141	104
Electrical engineering	290	265	296	323	322	355	374	352	280
Mechanical engineering	183	150	151	134	154	123	138	126	132
Other engineering	248	260	282	261	299	299	297	303	333
Non-science and engineering	41,011	43,172	47,616	48,943	51,451	54,810	57,296	58,472	61,291
Education	5,717	5,749	5,985	5,681	5,402	5,485	5,239	5,177	5,582

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	4,895	5,321	5,812	5,635	5,942	5,850	6,302	6,590	7,376
Humanities	4,766	5,043	5,625	5,675	5,949	6,401	6,619	6,712	7,020
Professional/other/unknown	25,633	27,059	30,194	31,952	34,158	37,074	39,136	39,993	41,313
Hispanic, all fields	44,388	46,409	53,667	54,667	58,357	61,840	64,818	68,134	71,838
Science and engineering	12,945	13,744	15,460	15,580	16,750	18,110	18,784	19,922	20,519
Science	12,016	12,798	14,472	14,618	15,695	17,050	17,676	18,767	19,353
Agricultural sciences	264	313	319	310	357	386	379	416	394
Biological sciences	2,196	2,460	2,710	2,791	2,748	3,117	3,015	3,150	3,247
Computer sciences	437	512	695	726	836	1,103	1,009	851	697
Earth, atmospheric, and ocean sciences	54	56	53	83	52	51	62	79	70
Mathematical sciences	234	286	273	295	332	297	308	347	391
Physical sciences	331	384	452	414	437	412	450	485	513
Astronomy	3	2	2	7	2	7	6	8	5
Chemistry	300	352	404	357	383	365	391	417	441
Physics	22	22	31	33	32	34	46	43	48
Other physical sciences	6	8	15	17	20	6	7	17	19
Psychology	3,997	4,127	4,699	4,782	5,130	5,321	5,660	5,954	6,385
Social sciences	4,503	4,660	5,271	5,217	5,803	6,363	6,793	7,485	7,656
Engineering	929	946	988	962	1,055	1,060	1,108	1,155	1,166
Chemical engineering	153	172	166	157	153	139	138	147	174
Civil engineering	213	212	198	198	217	229	233	252	255
Electrical engineering	179	166	198	206	247	244	293	240	246
Mechanical engineering	105	152	131	139	138	156	144	180	164
Other engineering	279	244	295	262	300	292	300	336	327
Non-science and engineering	31,443	32,665	38,207	39,087	41,607	43,730	46,034	48,212	51,319
Education	4,749	4,977	5,638	5,467	5,674	5,858	6,277	6,445	7,103
Health	2,763	2,938	3,290	3,292	3,415	3,471	3,682	3,943	4,462
Humanities	4,836	5,350	5,945	6,227	6,642	7,158	7,239	7,930	8,577
Professional/other/unknown	19,095	19,400	23,334	24,101	25,876	27,243	28,836	29,894	31,177
White, non-Hispanic, all fields	485,218	489,011	506,958	504,580	518,797	535,094	546,765	555,024	566,470
Science and engineering	129,706	130,189	133,128	132,664	136,725	142,624	145,345	147,288	149,419
Science	122,651	123,267	125,846	125,607	129,289	134,977	137,775	139,948	141,966
Agricultural sciences	6,236	6,554	7,101	7,121	7,179	7,422	7,166	7,131	7,202
Biological sciences	23,970	24,977	25,228	24,286	24,716	25,632	25,893	26,483	27,956
Computer sciences	3,599	3,795	4,971	5,448	5,967	6,362	5,719	4,614	3,669
Earth, atmospheric, and ocean sciences	1,335	1,364	1,404	1,383	1,462	1,446	1,367	1,367	1,358
Mathematical sciences	4,387	4,164	4,049	3,928	4,068	4,121	4,392	4,581	4,679
Physical sciences	3,890	3,912	3,814	3,819	3,815	3,865	3,813	4,036	4,250
Astronomy	37	45	43	66	85	82	89	89	94
Chemistry	3,131	3,146	3,024	2,984	2,934	2,967	2,925	3,169	3,339
Physics	471	493	500	549	567	611	635	623	656
Other physical sciences	251	228	247	220	229	205	164	155	161
Psychology	40,826	40,307	40,003	39,977	41,393	42,469	43,819	44,938	45,601
Social sciences	38,408	38,194	39,276	39,645	40,689	43,660	45,606	46,798	47,251
Engineering	7,055	6,922	7,282	7,057	7,436	7,647	7,570	7,340	7,453
Chemical engineering	1,397	1,303	1,271	1,229	1,273	1,238	1,130	1,064	941
Civil engineering	1,810	1,802	1,620	1,402	1,527	1,540	1,552	1,524	1,596
Electrical engineering	878	880	981	1,006	1,011	1,092	1,046	948	847
Mechanical engineering	1,081	1,084	1,186	1,161	1,218	1,293	1,301	1,253	1,397
Other engineering	1,889	1,853	2,224	2,259	2,407	2,484	2,541	2,551	2,672
Non-science and engineering	355,512	358,822	373,830	371,916	382,072	392,470	401,420	407,736	417,051

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Education	69,474	70,366	72,193	71,235	72,282	73,563	73,722	73,516	74,601
Health	50,664	49,677	45,461	41,728	39,943	39,413	41,572	45,495	50,838
Humanities	65,023	66,481	70,410	71,673	75,429	79,630	82,747	84,837	86,165
Professional/other/unknown	170,351	172,298	185,766	187,280	194,418	199,864	203,379	203,888	205,447
Other/unknown race/ethnicity, all fields	15,260	16,758	23,822	27,047	32,322	37,191	42,407	44,513	45,628
Science and engineering	4,576	5,041	6,955	7,856	9,106	10,383	11,832	12,514	12,692
Science	4,364	4,854	6,658	7,512	8,681	9,882	11,365	11,978	12,176
Agricultural sciences	181	203	288	317	355	370	385	383	427
Biological sciences	770	920	1,149	1,266	1,382	1,532	1,688	1,839	2,018
Computer sciences	238	286	433	557	708	881	1,227	935	785
Earth, atmospheric, and ocean sciences	39	48	53	60	73	63	92	82	96
Mathematical sciences	114	121	154	206	203	232	279	295	351
Physical sciences	109	163	160	173	254	233	269	288	347
Astronomy	1	4	1	4	8	4	10	21	10
Chemistry	77	120	124	128	176	168	194	192	240
Physics	17	17	30	33	51	51	58	64	81
Other physical sciences	14	22	5	8	19	10	7	11	16
Psychology	1,336	1,372	1,956	2,179	2,593	2,735	2,891	3,231	3,287
Social sciences	1,577	1,741	2,465	2,754	3,113	3,836	4,534	4,925	4,865
Engineering	212	187	297	344	425	501	467	536	516
Chemical engineering	27	30	46	54	53	75	47	42	48
Civil engineering	48	49	56	62	84	95	72	98	105
Electrical engineering	48	44	49	87	104	141	141	141	120
Mechanical engineering	31	27	55	61	55	57	79	87	91
Other engineering	58	37	91	80	129	133	128	168	152
Non-science and engineering	10,684	11,717	16,867	19,191	23,216	26,808	30,575	31,999	32,936
Education	1,136	1,179	1,853	2,227	2,696	3,062	3,171	3,205	3,361
Health	1,532	1,616	1,650	1,625	2,071	2,158	2,828	3,090	3,532
Humanities	2,351	2,563	3,891	4,456	5,124	5,922	6,547	7,085	7,638
Professional/other/unknown	5,665	6,359	9,473	10,883	13,325	15,666	18,029	18,619	18,405
Nonresident aliens, all fields <sup>c</sup>	17,151	17,435	18,181	18,629	19,808	20,566	21,309	21,645	22,450
Science and engineering	5,257	5,272	6,036	6,255	6,678	7,228	7,576	7,478	7,722
Science	4,581	4,644	5,230	5,478	5,926	6,451	6,667	6,519	6,693
Agricultural sciences	91	124	125	129	149	152	147	157	147
Biological sciences	793	743	829	857	919	935	1,011	1,244	1,330
Computer sciences	573	624	905	1,056	1,232	1,470	1,416	949	697
Earth, atmospheric, and ocean sciences	29	34	17	13	26	27	25	36	34
Mathematical sciences	213	167	175	160	176	227	297	308	322
Physical sciences	211	212	208	235	230	221	248	290	337
Astronomy	1	3	3	6	7	8	6	11	3
Chemistry	174	174	159	180	171	166	184	214	267
Physics	33	29	40	46	46	44	51	56	54
Other physical sciences	3	6	6	3	6	3	7	9	13
Psychology	794	874	990	1,013	1,059	1,114	1,167	1,186	1,257
Social sciences	1,877	1,866	1,981	2,015	2,135	2,305	2,356	2,349	2,569
Engineering	676	628	806	777	752	777	909	959	1,029
Chemical engineering	157	121	142	114	129	123	120	133	148
Civil engineering	92	79	97	90	81	70	89	86	97
Electrical engineering	215	193	283	271	287	305	353	372	364
Mechanical engineering	61	54	77	64	52	68	69	67	80
Other engineering	151	181	207	238	203	211	278	301	340

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	11,894	12,163	12,145	12,374	13,130	13,338	13,733	14,167	14,728
Education	740	640	694	738	887	723	835	717	880
Health	703	524	549	712	514	624	647	829	1,134
Humanities	2,452	2,479	2,472	2,394	2,592	2,603	2,691	2,555	2,541
Professional/other/unknown	7,999	8,520	8,430	8,530	9,137	9,388	9,560	10,066	10,173

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	420,954	431,871	456,260	466,645	481,132	511,603	555,537	567,875	586,029
Science and engineering	93,485	93,918	95,683	98,986	99,173	107,910	118,470	120,025	120,337
Science	67,611	67,780	69,947	72,463	72,907	78,206	84,598	85,926	87,566
Agricultural sciences	3,927	3,862	3,858	3,752	4,019	3,955	4,221	4,171	4,089
Biological sciences	6,594	6,368	6,325	6,487	6,334	6,877	7,647	8,099	8,673
Computer sciences	10,489	11,752	14,529	16,341	16,582	19,248	19,853	17,820	16,594
Earth, atmospheric, and ocean sciences	1,435	1,426	1,345	1,363	1,406	1,491	1,570	1,685	1,727
Mathematical sciences	3,599	3,525	3,295	3,280	3,408	3,706	4,297	4,598	4,896
Physical sciences	4,141	3,969	3,512	3,737	3,624	3,702	4,030	4,116	4,311
Astronomy	93	101	102	93	112	123	150	159	146
Chemistry	2,268	2,173	1,908	2,009	1,866	1,830	2,056	1,912	2,097
Physics	1,497	1,401	1,244	1,376	1,353	1,453	1,637	1,846	1,887
Other physical sciences	283	294	258	259	293	296	187	199	181
Psychology	13,633	13,146	13,708	14,335	14,041	14,469	15,298	16,076	16,775
Social sciences	23,793	23,732	23,375	23,168	23,493	24,758	27,682	29,361	30,501
Engineering	25,874	26,138	25,736	26,523	26,266	29,704	33,872	34,099	32,771
Chemical engineering	1,345	1,372	1,352	1,368	1,267	1,365	1,506	1,506	1,432
Civil engineering	4,880	4,736	4,140	4,013	3,947	4,190	4,445	4,631	4,503
Electrical engineering	7,341	7,971	8,339	8,630	8,279	10,075	12,173	11,637	10,583
Mechanical engineering	3,756	3,551	3,378	3,472	3,519	3,839	4,555	4,761	4,571
Other engineering	8,552	8,508	8,527	9,040	9,254	10,235	11,193	11,564	11,682
Non-science and engineering	327,469	337,953	360,577	367,659	381,959	403,693	437,067	447,850	465,692
Education	112,445	117,043	127,236	131,981	139,840	152,297	167,174	171,973	179,210
Health	33,177	35,894	37,887	38,588	37,863	35,714	37,420	38,860	42,301
Humanities	27,694	27,653	27,414	27,035	27,939	29,012	30,587	31,825	33,002
Professional/other/unknown	154,153	157,363	168,040	170,055	176,317	186,670	201,886	205,192	211,179
U.S. citizens and permanent residents, all fields <sup>a</sup>	371,477	379,666	400,689	405,455	417,821	440,227	481,135	495,470	515,425
Science and engineering	72,220	71,295	70,933	71,564	71,623	75,542	83,120	86,563	89,496
Science	54,982	54,318	55,020	56,042	56,160	59,212	64,868	67,344	70,063
Agricultural sciences	3,269	3,264	3,342	3,281	3,540	3,440	3,575	3,575	3,528
Biological sciences	5,671	5,468	5,575	5,614	5,529	5,876	6,532	6,886	7,388
Computer sciences	6,516	6,957	7,966	8,596	8,895	10,159	11,033	10,340	9,978
Earth, atmospheric, and ocean sciences	1,198	1,218	1,150	1,191	1,207	1,285	1,312	1,431	1,469
Mathematical sciences	2,606	2,499	2,184	2,050	2,114	2,193	2,512	2,821	3,090
Physical sciences	2,734	2,680	2,372	2,498	2,436	2,513	2,662	2,735	2,884
Astronomy	74	82	80	65	77	94	102	122	117
Chemistry	1,501	1,446	1,309	1,388	1,260	1,297	1,384	1,289	1,396
Physics	938	882	761	808	829	851	1,010	1,148	1,205
Other physical sciences	221	270	222	237	270	271	166	176	166
Psychology	13,231	12,686	13,241	13,871	13,562	13,804	14,695	15,446	16,163
Social sciences	19,757	19,546	19,190	18,941	18,877	19,942	22,547	24,110	25,563
Engineering	17,238	16,977	15,913	15,522	15,463	16,330	18,252	19,219	19,433
Chemical engineering	748	780	721	726	662	657	704	739	734
Civil engineering	3,664	3,547	3,048	2,780	2,593	2,686	2,782	3,080	3,080
Electrical engineering	4,265	4,452	4,231	3,959	4,036	4,403	5,276	5,229	5,078
Mechanical engineering	2,602	2,423	2,212	2,222	2,214	2,239	2,630	2,847	2,842
Other engineering	5,959	5,775	5,701	5,835	5,958	6,345	6,860	7,324	7,699
Non-science and engineering	299,257	308,371	329,756	333,891	346,198	364,685	398,015	408,907	425,929
Education	109,223	113,680	124,112	128,590	135,831	148,191	163,026	166,873	173,758
Health	31,740	34,531	36,387	36,818	36,126	34,016	35,199	36,567	39,636
Humanities	24,532	24,279	23,912	23,285	24,157	24,934	26,626	27,985	29,338
Professional/other/unknown	133,762	135,881	145,345	145,198	150,084	157,544	173,164	177,482	183,197

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Asian/Pacific Islander, all fields	17,912	19,936	21,412	21,946	22,610	24,184	26,990	28,659	29,535
Science and engineering	6,180	6,554	6,990	7,045	6,814	7,589	8,567	8,823	8,696
Science	3,861	4,103	4,611	4,631	4,613	5,145	5,565	5,729	5,504
Agricultural sciences	103	83	94	97	126	99	111	111	84
Biological sciences	575	591	595	540	537	646	763	793	815
Computer sciences	1,322	1,579	2,028	2,053	2,004	2,284	2,330	2,193	1,832
Earth, atmospheric, and ocean sciences	30	30	22	28	37	28	39	31	31
Mathematical sciences	238	216	180	205	214	221	275	324	396
Physical sciences	278	248	240	220	213	231	196	244	220
Astronomy	2	4	5	5	4	7	6	7	2
Chemistry	197	172	172	153	125	157	128	154	137
Physics	73	60	53	56	66	57	60	75	78
Other physical sciences	6	12	10	6	18	10	2	8	3
Psychology	364	379	472	498	526	525	580	582	639
Social sciences	951	977	980	990	956	1,111	1,271	1,451	1,487
Engineering	2,319	2,451	2,379	2,414	2,201	2,444	3,002	3,094	3,192
Chemical engineering	87	123	114	120	96	96	135	106	110
Civil engineering	386	329	283	220	204	241	254	298	277
Electrical engineering	911	1,082	1,061	1,026	919	1,049	1,421	1,379	1,335
Mechanical engineering	293	278	265	358	315	262	347	326	362
Other engineering	642	639	656	690	667	796	845	985	1,108
Non-science and engineering	11,732	13,382	14,422	14,901	15,796	16,595	18,423	19,836	20,839
Education	1,935	2,095	2,442	2,684	2,942	3,120	3,707	3,951	4,141
Health	1,442	2,172	2,230	2,376	2,458	2,445	2,473	2,656	2,714
Humanities	974	1,071	1,105	1,079	1,099	1,125	1,178	1,243	1,235
Professional/other/unknown	7,381	8,044	8,645	8,762	9,297	9,905	11,065	11,986	12,749
Underrepresented minorities, all fields <sup>b</sup>	45,152	47,983	56,207	59,496	62,071	67,385	76,699	81,608	86,577
Science and engineering	8,460	8,728	9,621	10,666	10,642	11,633	13,072	13,458	14,099
Science	6,968	7,153	8,047	9,068	8,992	9,860	11,004	11,350	12,019
Agricultural sciences	219	234	240	237	288	259	296	297	326
Biological sciences	475	403	517	652	589	596	748	763	823
Computer sciences	647	658	900	1,162	1,024	1,478	1,561	1,237	1,300
Earth, atmospheric, and ocean sciences	40	45	46	60	57	55	65	77	91
Mathematical sciences	231	236	207	194	203	214	235	274	331
Physical sciences	259	274	222	258	272	269	255	256	339
Astronomy	4	0	2	1	4	4	4	5	9
Chemistry	164	175	126	163	157	171	160	145	209
Physics	77	71	81	80	97	78	76	95	113
Other physical sciences	14	28	13	14	14	16	15	11	8
Psychology	1,874	1,915	2,252	2,641	2,680	2,862	3,116	3,469	3,407
Social sciences	3,223	3,388	3,663	3,864	3,879	4,127	4,728	4,977	5,402
Engineering	1,492	1,575	1,574	1,598	1,650	1,773	2,068	2,108	2,080
Chemical engineering	91	90	76	78	78	84	71	101	88
Civil engineering	278	299	287	280	299	261	255	321	290
Electrical engineering	363	397	408	370	382	486	588	525	527
Mechanical engineering	233	226	197	189	164	205	263	241	253
Other engineering	527	563	606	681	727	737	891	920	922
Non-science and engineering	36,692	39,255	46,586	48,830	51,429	55,752	63,627	68,150	72,478
Education	15,174	16,103	19,179	19,665	21,156	22,993	26,369	28,100	29,564
Health	2,793	3,534	3,744	4,272	4,411	4,640	5,065	5,493	6,178
Humanities	2,146	2,355	2,474	2,404	2,509	2,680	2,891	3,096	3,273

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	16,579	17,263	21,189	22,489	23,353	25,439	29,302	31,461	33,463
American Indian/Alaska Native, all fields	1,844	1,951	2,099	2,274	2,382	2,546	2,826	2,892	3,049
Science and engineering	370	372	383	472	420	452	535	486	558
Science	317	318	319	412	363	382	450	404	471
Agricultural sciences	18	23	23	18	25	24	23	27	34
Biological sciences	25	21	26	29	34	31	33	29	46
Computer sciences	25	15	32	68	32	42	57	35	54
Earth, atmospheric, and ocean sciences	5	10	9	11	4	9	7	11	4
Mathematical sciences	14	9	9	9	8	8	7	9	11
Physical sciences	11	14	9	9	15	12	8	11	14
Astronomy	0	0	0	0	0	1	0	1	0
Chemistry	8	12	5	7	11	5	3	6	9
Physics	2	2	3	2	4	5	5	3	3
Other physical sciences	1	0	1	0	0	1	0	1	2
Psychology	97	108	69	106	96	104	108	115	114
Social sciences	122	118	142	162	149	152	207	167	194
Engineering	53	54	64	60	57	70	85	82	87
Chemical engineering	5	1	3	4	2	2	0	4	2
Civil engineering	10	14	14	10	11	13	16	13	17
Electrical engineering	8	9	14	10	13	18	10	20	17
Mechanical engineering	10	13	7	7	6	9	21	6	11
Other engineering	20	17	26	29	25	28	38	39	40
Non-science and engineering	1,474	1,579	1,716	1,802	1,962	2,094	2,291	2,406	2,491
Education	597	628	710	788	888	901	972	909	1,032
Health	151	166	189	175	178	209	197	203	234
Humanities	112	125	105	111	110	115	157	147	161
Professional/other/unknown	614	660	712	728	786	869	965	1,147	1,064
Black, non-Hispanic, all fields	26,948	28,616	33,305	35,059	36,524	39,582	44,375	46,901	50,160
Science and engineering	4,870	4,894	5,492	6,117	6,133	6,800	7,459	7,607	7,890
Science	4,196	4,180	4,834	5,417	5,395	5,973	6,606	6,733	6,997
Agricultural sciences	96	95	84	96	88	103	102	85	96
Biological sciences	236	190	223	313	288	298	385	375	406
Computer sciences	411	424	580	654	659	881	902	740	766
Earth, atmospheric, and ocean sciences	12	15	7	21	18	18	22	19	32
Mathematical sciences	154	142	98	113	113	98	115	135	155
Physical sciences	132	131	117	130	121	113	120	101	154
Astronomy	2	0	0	0	2	1	1	2	3
Chemistry	84	79	65	82	74	76	87	55	93
Physics	39	34	44	41	37	32	27	39	53
Other physical sciences	7	18	8	7	8	4	5	5	5
Psychology	1,059	1,020	1,346	1,598	1,631	1,801	1,923	2,135	1,977
Social sciences	2,096	2,163	2,379	2,492	2,477	2,661	3,037	3,143	3,411
Engineering	674	714	658	700	738	827	853	874	893
Chemical engineering	35	43	34	34	31	43	31	56	37
Civil engineering	109	127	93	102	101	96	76	100	88
Electrical engineering	168	198	183	188	189	226	238	229	229
Mechanical engineering	110	96	91	89	71	79	85	82	87
Other engineering	252	250	257	287	346	383	423	407	452
Non-science and engineering	22,078	23,722	27,813	28,942	30,391	32,782	36,916	39,294	42,270
Education	9,338	9,908	11,573	11,484	12,211	13,123	14,472	15,371	16,460
Health	1,624	2,048	2,158	2,503	2,607	2,764	3,033	3,244	3,718

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	1,001	1,111	1,187	1,186	1,190	1,286	1,290	1,360	1,443
Professional/other/unknown	10,115	10,655	12,895	13,769	14,383	15,609	18,121	19,319	20,649
Hispanic, all fields	16,360	17,416	20,803	22,163	23,165	25,257	29,498	31,815	33,368
Science and engineering	3,220	3,462	3,746	4,077	4,089	4,381	5,078	5,365	5,651
Science	2,455	2,655	2,894	3,239	3,234	3,505	3,948	4,213	4,551
Agricultural sciences	105	116	133	123	175	132	171	185	196
Biological sciences	214	192	268	310	267	267	330	359	371
Computer sciences	211	219	288	440	333	555	602	462	480
Earth, atmospheric, and ocean sciences	23	20	30	28	35	28	36	47	55
Mathematical sciences	63	85	100	72	82	108	113	130	165
Physical sciences	116	129	96	119	136	144	127	144	171
Astronomy	2	0	2	1	2	2	3	2	6
Chemistry	72	84	56	74	72	90	70	84	107
Physics	36	35	34	37	56	41	44	53	57
Other physical sciences	6	10	4	7	6	11	10	5	1
Psychology	718	787	837	937	953	957	1,085	1,219	1,316
Social sciences	1,005	1,107	1,142	1,210	1,253	1,314	1,484	1,667	1,797
Engineering	765	807	852	838	855	876	1,130	1,152	1,100
Chemical engineering	51	46	39	40	45	39	40	41	49
Civil engineering	159	158	180	168	187	152	163	208	185
Electrical engineering	187	190	211	172	180	242	340	276	281
Mechanical engineering	113	117	99	93	87	117	157	153	155
Other engineering	255	296	323	365	356	326	430	474	430
Non-science and engineering	13,140	13,954	17,057	18,086	19,076	20,876	24,420	26,450	27,717
Education	5,239	5,567	6,896	7,393	8,057	8,969	10,925	11,820	12,072
Health	1,018	1,320	1,397	1,594	1,626	1,667	1,835	2,046	2,226
Humanities	1,033	1,119	1,182	1,107	1,209	1,279	1,444	1,589	1,669
Professional/other/unknown	5,850	5,948	7,582	7,992	8,184	8,961	10,216	10,995	11,750
White, non-Hispanic, all fields	288,353	291,962	297,226	293,390	296,978	306,552	326,932	336,718	346,235
Science and engineering	53,769	52,328	49,850	48,792	48,410	49,936	54,339	56,082	57,588
Science	41,277	40,243	38,830	38,326	38,006	39,210	42,582	43,815	45,399
Agricultural sciences	2,809	2,827	2,864	2,782	2,951	2,898	2,953	2,930	2,872
Biological sciences	4,395	4,212	4,179	4,124	4,085	4,290	4,618	4,862	5,217
Computer sciences	4,105	4,277	4,435	4,541	4,738	5,125	5,686	5,556	5,489
Earth, atmospheric, and ocean sciences	1,084	1,106	1,036	1,043	1,065	1,125	1,144	1,234	1,248
Mathematical sciences	2,005	1,895	1,655	1,515	1,555	1,623	1,795	1,982	2,114
Physical sciences	2,088	2,023	1,774	1,874	1,782	1,848	2,023	2,013	2,115
Astronomy	67	73	65	47	59	67	76	98	97
Chemistry	1,068	1,028	929	992	876	905	1,012	886	963
Physics	755	696	585	627	613	642	790	873	904
Other physical sciences	198	226	195	208	234	234	145	156	151
Psychology	10,444	9,820	9,646	9,798	9,315	9,356	9,901	10,141	10,689
Social sciences	14,347	14,083	13,241	12,649	12,515	12,945	14,462	15,097	15,655
Engineering	12,492	12,085	11,020	10,466	10,404	10,726	11,757	12,267	12,189
Chemical engineering	541	537	501	487	435	431	455	452	481
Civil engineering	2,842	2,777	2,337	2,130	1,931	1,995	2,089	2,245	2,277
Electrical engineering	2,737	2,710	2,474	2,244	2,308	2,433	2,812	2,806	2,629
Mechanical engineering	1,967	1,815	1,630	1,558	1,584	1,618	1,840	2,045	1,985
Other engineering	4,405	4,246	4,078	4,047	4,146	4,249	4,561	4,719	4,817
Non-science and engineering	234,584	239,634	247,376	244,598	248,568	256,616	272,593	280,636	288,647
Education	86,999	90,122	95,248	97,247	100,891	108,064	116,353	119,918	123,540

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	26,083	27,362	28,785	28,298	27,030	24,829	25,125	25,803	27,538
Humanities	20,031	19,587	18,657	18,113	18,454	18,808	20,195	21,098	21,956
Professional/other/unknown	101,471	102,563	104,686	100,940	102,193	104,915	110,920	113,817	115,613
Other/unknown race/ethnicity, all fields	20,060	19,785	25,844	30,623	36,162	42,106	50,514	48,485	53,078
Science and engineering	3,811	3,685	4,472	5,061	5,757	6,384	7,142	8,200	9,113
Science	2,876	2,819	3,532	4,017	4,549	4,997	5,717	6,450	7,141
Agricultural sciences	138	120	144	165	175	184	215	237	246
Biological sciences	226	262	284	298	318	344	403	468	533
Computer sciences	442	443	603	840	1,129	1,272	1,456	1,354	1,357
Earth, atmospheric, and ocean sciences	44	37	46	60	48	77	64	89	99
Mathematical sciences	132	152	142	136	142	135	207	241	249
Physical sciences	109	135	136	146	169	165	188	222	210
Astronomy	1	5	8	12	10	16	16	12	9
Chemistry	72	71	82	80	102	64	84	104	87
Physics	33	55	42	45	53	74	84	105	110
Other physical sciences	3	4	4	9	4	11	4	1	4
Psychology	549	572	871	934	1,041	1,061	1,098	1,254	1,428
Social sciences	1,236	1,098	1,306	1,438	1,527	1,759	2,086	2,585	3,019
Engineering	935	866	940	1,044	1,208	1,387	1,425	1,750	1,972
Chemical engineering	29	30	30	41	53	46	43	80	55
Civil engineering	158	142	141	150	159	189	184	216	236
Electrical engineering	254	263	288	319	427	435	455	519	587
Mechanical engineering	109	104	120	117	151	154	180	235	242
Other engineering	385	327	361	417	418	563	563	700	852
Non-science and engineering	16,249	16,100	21,372	25,562	30,405	35,722	43,372	40,285	43,965
Education	5,115	5,360	7,243	8,994	10,842	14,014	16,597	14,904	16,513
Health	1,422	1,463	1,628	1,872	2,227	2,102	2,536	2,615	3,206
Humanities	1,381	1,266	1,676	1,689	2,095	2,321	2,362	2,548	2,874
Professional/other/unknown	8,331	8,011	10,825	13,007	15,241	17,285	21,877	20,218	21,372
Nonresident aliens, all fields <sup>c</sup>	49,477	52,205	55,571	61,190	63,311	71,376	74,402	72,405	70,604
Science and engineering	21,265	22,623	24,750	27,422	27,550	32,368	35,350	33,462	30,841
Science	12,629	13,462	14,927	16,421	16,747	18,994	19,730	18,582	17,503
Agricultural sciences	658	598	516	471	479	515	646	596	561
Biological sciences	923	900	750	873	805	1,001	1,115	1,213	1,285
Computer sciences	3,973	4,795	6,563	7,745	7,687	9,089	8,820	7,480	6,616
Earth, atmospheric, and ocean sciences	237	208	195	172	199	206	258	254	258
Mathematical sciences	993	1,026	1,111	1,230	1,294	1,513	1,785	1,777	1,806
Physical sciences	1,407	1,289	1,140	1,239	1,188	1,189	1,368	1,381	1,427
Astronomy	19	19	22	28	35	29	48	37	29
Chemistry	767	727	599	621	606	533	672	623	701
Physics	559	519	483	568	524	602	627	698	682
Other physical sciences	62	24	36	22	23	25	21	23	15
Psychology	402	460	467	464	479	665	603	630	612
Social sciences	4,036	4,186	4,185	4,227	4,616	4,816	5,135	5,251	4,938
Engineering	8,636	9,161	9,823	11,001	10,803	13,374	15,620	14,880	13,338
Chemical engineering	597	592	631	642	605	708	802	767	698
Civil engineering	1,216	1,189	1,092	1,233	1,354	1,504	1,663	1,551	1,423
Electrical engineering	3,076	3,519	4,108	4,671	4,243	5,672	6,897	6,408	5,505
Mechanical engineering	1,154	1,128	1,166	1,250	1,305	1,600	1,925	1,914	1,729
Other engineering	2,593	2,733	2,826	3,205	3,296	3,890	4,333	4,240	3,983

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	28,212	29,582	30,821	33,768	35,761	39,008	39,052	38,943	39,763
Education	3,222	3,363	3,124	3,391	4,009	4,106	4,148	5,100	5,452
Health	1,437	1,363	1,500	1,770	1,737	1,698	2,221	2,293	2,665
Humanities	3,162	3,374	3,502	3,750	3,782	4,078	3,961	3,840	3,664
Professional/other/unknown	20,391	21,482	22,695	24,857	26,233	29,126	28,722	27,710	27,982

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	181,457	185,061	191,234	193,006	198,097	210,758	227,335	230,057	234,152
Science and engineering	55,223	55,335	54,213	55,593	55,701	61,199	66,798	66,974	66,262
Science	34,044	34,360	33,817	34,698	35,009	37,679	40,061	40,482	41,003
Agricultural sciences	2,232	2,153	2,039	1,915	2,022	1,896	1,965	1,951	1,941
Biological sciences	3,076	3,014	2,815	2,732	2,665	2,859	3,160	3,229	3,598
Computer sciences	7,510	8,338	9,661	10,833	11,083	13,157	13,658	12,742	12,157
Earth, atmospheric, and ocean sciences	948	932	832	799	834	879	869	973	959
Mathematical sciences	2,110	2,055	1,797	1,891	1,937	2,029	2,347	2,587	2,811
Physical sciences	2,808	2,529	2,297	2,436	2,298	2,378	2,517	2,587	2,684
Astronomy	61	71	77	57	85	81	97	97	80
Chemistry	1,341	1,175	1,085	1,184	1,014	1,001	1,106	973	1,073
Physics	1,242	1,146	1,000	1,090	1,067	1,140	1,224	1,419	1,446
Other physical sciences	164	137	135	105	132	156	90	98	85
Psychology	3,715	3,606	3,415	3,477	3,369	3,369	3,348	3,444	3,538
Social sciences	11,645	11,733	10,961	10,615	10,801	11,112	12,197	12,969	13,315
Engineering	21,179	20,975	20,396	20,895	20,692	23,520	26,737	26,492	25,259
Chemical engineering	1,013	1,028	1,008	1,016	932	1,022	1,089	1,081	1,046
Civil engineering	3,781	3,582	3,065	2,952	2,884	3,042	3,234	3,309	3,156
Electrical engineering	6,197	6,595	6,781	6,957	6,718	8,173	9,788	9,167	8,368
Mechanical engineering	3,337	3,090	2,923	3,024	3,051	3,380	3,992	4,163	3,936
Other engineering	6,851	6,680	6,619	6,946	7,107	7,903	8,634	8,772	8,753
Non-science and engineering	126,234	129,726	137,021	137,413	142,396	149,559	160,537	163,083	167,890
Education	26,663	27,944	30,418	31,217	33,290	35,318	39,301	40,198	42,131
Health	6,882	7,611	8,215	8,373	8,061	7,517	7,816	7,912	8,511
Humanities	12,476	12,172	12,366	11,959	12,561	12,911	13,497	14,129	14,762
Professional/other/unknown	80,213	81,999	86,022	85,864	88,484	93,813	99,923	100,844	102,486
U.S. citizens and permanent residents, all fields <sup>a</sup>	151,256	153,581	158,445	156,865	160,883	168,197	182,814	187,625	193,346
Science and engineering	40,237	39,626	37,764	37,230	37,240	39,304	42,785	44,527	45,754
Science	26,245	26,089	25,164	25,081	25,219	26,510	28,511	29,601	30,707
Agricultural sciences	1,821	1,798	1,741	1,670	1,789	1,636	1,643	1,644	1,633
Biological sciences	2,661	2,618	2,524	2,366	2,352	2,445	2,703	2,761	3,119
Computer sciences	4,649	4,937	5,420	5,822	6,024	7,035	7,572	7,487	7,377
Earth, atmospheric, and ocean sciences	777	775	694	696	710	741	709	817	798
Mathematical sciences	1,464	1,399	1,173	1,162	1,178	1,227	1,409	1,610	1,748
Physical sciences	1,840	1,708	1,540	1,605	1,523	1,569	1,641	1,677	1,800
Astronomy	46	55	60	37	56	61	64	67	59
Chemistry	899	800	758	829	693	704	749	650	732
Physics	780	731	610	645	656	670	750	876	929
Other physical sciences	115	122	112	94	118	134	78	84	80
Psychology	3,590	3,493	3,294	3,350	3,237	3,219	3,207	3,299	3,401
Social sciences	9,443	9,361	8,778	8,410	8,406	8,638	9,627	10,306	10,831
Engineering	13,992	13,537	12,600	12,149	12,021	12,794	14,274	14,926	15,047
Chemical engineering	548	561	520	518	470	467	485	513	518
Civil engineering	2,787	2,649	2,229	1,993	1,835	1,899	1,947	2,166	2,156
Electrical engineering	3,651	3,764	3,541	3,317	3,321	3,683	4,402	4,361	4,246
Mechanical engineering	2,281	2,078	1,913	1,911	1,891	1,952	2,266	2,458	2,423
Other engineering	4,725	4,485	4,397	4,410	4,504	4,793	5,174	5,428	5,704
Non-science and engineering	111,019	113,955	120,681	119,635	123,643	128,893	140,029	143,098	147,592
Education	25,658	26,954	29,580	30,345	32,116	34,149	38,194	38,832	40,623
Health	6,296	7,080	7,645	7,717	7,403	6,877	6,857	7,009	7,513
Humanities	11,191	10,821	10,929	10,479	11,034	11,288	11,956	12,611	13,340
Professional/other/unknown	67,874	69,100	72,527	71,094	73,090	76,579	83,022	84,646	86,116

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Asian/Pacific Islander, all fields	8,585	9,638	10,105	10,144	10,318	10,933	12,351	12,946	13,504
Science and engineering	3,605	3,876	3,945	4,012	3,813	4,271	4,832	4,875	4,877
Science	1,847	2,053	2,226	2,225	2,188	2,494	2,633	2,699	2,632
Agricultural sciences	31	43	36	34	42	36	43	35	33
Biological sciences	251	297	291	235	233	275	334	355	341
Computer sciences	792	950	1,168	1,193	1,192	1,407	1,391	1,363	1,197
Earth, atmospheric, and ocean sciences	15	12	12	16	21	13	19	14	15
Mathematical sciences	122	111	86	101	115	114	128	150	206
Physical sciences	153	138	142	126	115	131	112	138	115
Astronomy	2	3	3	3	2	5	2	3	1
Chemistry	91	79	93	76	54	78	71	77	55
Physics	56	49	41	46	49	44	38	55	57
Other physical sciences	4	7	5	1	10	4	1	3	2
Psychology	85	90	107	126	115	107	134	127	133
Social sciences	398	412	384	394	355	411	472	517	592
Engineering	1,758	1,823	1,719	1,787	1,625	1,777	2,199	2,176	2,245
Chemical engineering	59	81	80	74	58	64	85	75	56
Civil engineering	263	224	184	136	128	151	157	179	166
Electrical engineering	716	818	784	787	709	786	1,072	985	971
Mechanical engineering	243	228	223	312	259	215	295	271	300
Other engineering	477	472	448	478	471	561	590	666	752
Non-science and engineering	4,980	5,762	6,160	6,132	6,505	6,662	7,519	8,071	8,627
Education	433	469	524	593	662	613	802	839	899
Health	454	739	645	706	686	655	680	718	711
Humanities	397	380	446	401	459	459	419	436	462
Professional/other/unknown	3,696	4,174	4,545	4,432	4,698	4,935	5,618	6,078	6,555
Underrepresented minorities, all fields <sup>b</sup>	15,607	16,694	19,091	19,467	19,822	21,283	24,003	25,181	26,500
Science and engineering	3,897	4,043	4,301	4,437	4,452	4,886	5,295	5,435	5,656
Science	2,813	2,898	3,151	3,323	3,336	3,634	3,848	3,949	4,157
Agricultural sciences	117	109	114	105	147	94	125	115	128
Biological sciences	190	174	209	249	228	233	277	237	310
Computer sciences	397	416	546	668	612	905	923	805	833
Earth, atmospheric, and ocean sciences	24	27	27	25	29	34	32	38	40
Mathematical sciences	129	114	110	111	108	120	131	148	191
Physical sciences	147	154	128	156	149	152	130	141	186
Astronomy	1	0	2	1	4	1	3	1	3
Chemistry	85	91	54	87	71	83	67	65	95
Physics	54	55	66	63	69	61	54	70	85
Other physical sciences	7	8	6	5	5	7	6	5	3
Psychology	479	495	556	566	608	596	604	671	623
Social sciences	1,330	1,409	1,461	1,443	1,455	1,500	1,626	1,794	1,846
Engineering	1,084	1,145	1,150	1,114	1,116	1,252	1,447	1,486	1,499
Chemical engineering	49	53	45	43	47	49	41	56	53
Civil engineering	201	210	190	186	197	164	161	206	204
Electrical engineering	291	314	333	293	283	403	452	423	431
Mechanical engineering	192	181	166	141	134	166	215	200	206
Other engineering	351	387	416	451	455	470	578	601	605
Non-science and engineering	11,710	12,651	14,790	15,030	15,370	16,397	18,708	19,746	20,844
Education	3,545	3,822	4,441	4,525	4,774	5,068	5,783	6,069	6,399
Health	504	732	786	797	860	884	924	947	1,120
Humanities	948	1,060	1,118	1,048	1,092	1,074	1,230	1,302	1,389



TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	6,713	7,037	8,445	8,660	8,644	9,371	10,771	11,428	11,936
American Indian/Alaska Native, all fields	697	739	778	828	880	898	985	993	1,072
Science and engineering	196	182	193	217	201	221	225	218	243
Science	150	136	145	174	161	165	167	161	176
Agricultural sciences	10	15	18	11	18	11	9	11	17
Biological sciences	11	9	14	15	14	18	9	11	16
Computer sciences	16	12	22	39	19	22	35	18	41
Earth, atmospheric, and ocean sciences	2	5	7	4	1	4	2	5	2
Mathematical sciences	8	3	5	6	7	4	4	3	7
Physical sciences	9	8	6	5	9	5	4	6	9
Astronomy	0	0	0	0	0	1	0	0	0
Chemistry	7	7	2	3	5	0	1	3	6
Physics	1	1	3	2	4	4	3	2	3
Other physical sciences	1	0	1	0	0	0	0	1	0
Psychology	34	32	15	29	28	31	25	28	17
Social sciences	60	52	58	65	65	70	79	79	67
Engineering	46	46	48	43	40	56	58	57	67
Chemical engineering	5	1	2	3	1	2	0	2	2
Civil engineering	9	12	10	8	5	10	12	8	13
Electrical engineering	8	7	13	7	10	15	7	17	12
Mechanical engineering	10	11	7	5	4	6	16	5	9
Other engineering	14	15	16	20	20	23	23	25	31
Non-science and engineering	501	557	585	611	679	677	760	775	829
Education	155	171	173	195	219	235	268	197	270
Health	30	39	45	40	52	56	36	44	49
Humanities	48	52	42	50	53	45	63	66	81
Professional/other/unknown	268	295	325	326	355	341	393	468	429
Black, non-Hispanic, all fields	8,444	9,107	10,309	10,401	10,513	11,268	12,586	13,214	14,043
Science and engineering	1,983	2,066	2,198	2,262	2,278	2,553	2,651	2,691	2,831
Science	1,534	1,596	1,747	1,808	1,805	2,007	2,082	2,099	2,218
Agricultural sciences	56	36	37	45	39	38	43	26	35
Biological sciences	69	68	73	92	88	108	115	96	127
Computer sciences	229	262	325	345	365	517	497	452	451
Earth, atmospheric, and ocean sciences	7	10	2	11	12	9	10	12	11
Mathematical sciences	75	65	46	65	49	49	63	75	77
Physical sciences	67	71	63	71	56	61	53	47	82
Astronomy	1	0	0	0	2	0	1	0	0
Chemistry	39	42	25	40	27	36	33	17	44
Physics	26	24	35	28	25	23	17	28	36
Other physical sciences	1	5	3	3	2	2	2	2	2
Psychology	245	254	311	301	343	344	357	375	334
Social sciences	786	830	890	878	853	881	944	1,016	1,101
Engineering	449	470	451	454	473	546	569	592	613
Chemical engineering	12	24	19	15	19	23	17	32	25
Civil engineering	69	82	59	61	63	53	47	63	60
Electrical engineering	121	145	143	139	139	181	180	183	180
Mechanical engineering	89	68	72	63	54	60	66	67	71
Other engineering	158	151	158	176	198	229	259	247	277
Non-science and engineering	6,461	7,041	8,111	8,139	8,235	8,715	9,935	10,523	11,212
Education	2,096	2,244	2,636	2,595	2,662	2,747	3,048	3,295	3,488
Health	253	350	383	381	420	442	462	448	571

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	419	494	539	495	512	497	538	560	599
Professional/other/unknown	3,693	3,953	4,553	4,668	4,641	5,029	5,887	6,220	6,554
Hispanic, all fields	6,466	6,848	8,004	8,238	8,429	9,117	10,432	10,974	11,385
Science and engineering	1,718	1,795	1,910	1,958	1,973	2,112	2,419	2,526	2,582
Science	1,129	1,166	1,259	1,341	1,370	1,462	1,599	1,689	1,763
Agricultural sciences	51	58	59	49	90	45	73	78	76
Biological sciences	110	97	122	142	126	107	153	130	167
Computer sciences	152	142	199	284	228	366	391	335	341
Earth, atmospheric, and ocean sciences	15	12	18	10	16	21	20	21	27
Mathematical sciences	46	46	59	40	52	67	64	70	107
Physical sciences	71	75	59	80	84	86	73	88	95
Astronomy	0	0	2	1	2	0	2	1	3
Chemistry	39	42	27	44	39	47	33	45	45
Physics	27	30	28	33	40	34	34	40	46
Other physical sciences	5	3	2	2	3	5	4	2	1
Psychology	200	209	230	236	237	221	222	268	272
Social sciences	484	527	513	500	537	549	603	699	678
Engineering	589	629	651	617	603	650	820	837	819
Chemical engineering	32	28	24	25	27	24	24	22	26
Civil engineering	123	116	121	117	129	101	102	135	131
Electrical engineering	162	162	177	147	134	207	265	223	239
Mechanical engineering	93	102	87	73	76	100	133	128	126
Other engineering	179	221	242	255	237	218	296	329	297
Non-science and engineering	4,748	5,053	6,094	6,280	6,456	7,005	8,013	8,448	8,803
Education	1,294	1,407	1,632	1,735	1,893	2,086	2,467	2,577	2,641
Health	221	343	358	376	388	386	426	455	500
Humanities	481	514	537	503	527	532	629	676	709
Professional/other/unknown	2,752	2,789	3,567	3,666	3,648	4,001	4,491	4,740	4,953
White, non-Hispanic, all fields	117,942	118,464	117,915	113,706	114,900	117,997	125,463	128,775	130,806
Science and engineering	30,556	29,611	27,101	26,000	25,852	26,600	28,793	29,697	30,252
Science	20,169	19,747	18,118	17,575	17,544	17,945	19,298	19,822	20,527
Agricultural sciences	1,598	1,576	1,514	1,454	1,498	1,415	1,373	1,388	1,364
Biological sciences	2,120	2,016	1,901	1,743	1,761	1,819	1,909	1,973	2,222
Computer sciences	3,140	3,250	3,273	3,378	3,483	3,817	4,290	4,302	4,327
Earth, atmospheric, and ocean sciences	706	715	626	621	626	652	623	711	685
Mathematical sciences	1,145	1,080	902	863	872	910	1,020	1,153	1,204
Physical sciences	1,465	1,329	1,177	1,229	1,154	1,175	1,285	1,250	1,347
Astronomy	42	48	48	25	43	44	52	54	47
Chemistry	677	597	562	617	510	509	570	454	531
Physics	643	579	468	501	499	508	594	667	697
Other physical sciences	103	105	99	86	102	114	69	75	72
Psychology	2,887	2,771	2,406	2,455	2,296	2,259	2,231	2,221	2,353
Social sciences	7,108	7,010	6,319	5,832	5,854	5,898	6,567	6,824	7,025
Engineering	10,387	9,864	8,983	8,425	8,308	8,655	9,495	9,875	9,725
Chemical engineering	418	406	374	374	328	318	330	328	373
Civil engineering	2,194	2,105	1,744	1,566	1,386	1,452	1,505	1,631	1,628
Electrical engineering	2,430	2,411	2,189	1,968	1,994	2,144	2,499	2,528	2,360
Mechanical engineering	1,753	1,580	1,426	1,359	1,367	1,435	1,601	1,778	1,717
Other engineering	3,592	3,362	3,250	3,158	3,233	3,306	3,560	3,610	3,647
Non-science and engineering	87,386	88,853	90,814	87,706	89,048	91,397	96,670	99,078	100,554
Education	20,376	21,329	22,885	22,937	24,005	25,171	27,674	28,266	29,250

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	5,037	5,272	5,849	5,766	5,392	4,830	4,686	4,730	4,963
Humanities	9,260	8,829	8,631	8,301	8,505	8,662	9,238	9,754	10,185
Professional/other/unknown	52,713	53,423	53,449	50,702	51,146	52,734	55,072	56,328	56,156
Other/unknown race/ethnicity, all fields	9,122	8,785	11,334	13,548	15,843	17,984	20,997	20,723	22,536
Science and engineering	2,179	2,096	2,417	2,781	3,123	3,547	3,865	4,520	4,969
Science	1,416	1,391	1,669	1,958	2,151	2,437	2,732	3,131	3,391
Agricultural sciences	75	70	77	77	102	91	102	106	108
Biological sciences	100	131	123	139	130	118	183	196	246
Computer sciences	320	321	433	583	737	906	968	1,017	1,020
Earth, atmospheric, and ocean sciences	32	21	29	34	34	42	35	54	58
Mathematical sciences	68	94	75	87	83	83	130	159	147
Physical sciences	75	87	93	94	105	111	114	148	152
Astronomy	1	4	7	8	7	11	7	9	8
Chemistry	46	33	49	49	58	34	41	54	51
Physics	27	48	35	35	39	57	64	84	90
Other physical sciences	1	2	2	2	1	9	2	1	3
Psychology	139	137	225	203	218	257	238	280	292
Social sciences	607	530	614	741	742	829	962	1,171	1,368
Engineering	763	705	748	823	972	1,110	1,133	1,389	1,578
Chemical engineering	22	21	21	27	37	36	29	54	36
Civil engineering	129	110	111	105	124	132	124	150	158
Electrical engineering	214	221	235	269	335	350	379	425	484
Mechanical engineering	93	89	98	99	131	136	155	209	200
Other engineering	305	264	283	323	345	456	446	551	700
Non-science and engineering	6,943	6,689	8,917	10,767	12,720	14,437	17,132	16,203	17,567
Education	1,304	1,334	1,730	2,290	2,675	3,297	3,935	3,658	4,075
Health	301	337	365	448	465	508	567	614	719
Humanities	586	552	734	729	978	1,093	1,069	1,119	1,304
Professional/other/unknown	4,752	4,466	6,088	7,300	8,602	9,539	11,561	10,812	11,469
Nonresident aliens, all fields <sup>c</sup>	30,201	31,480	32,789	36,141	37,214	42,561	44,521	42,432	40,806
Science and engineering	14,986	15,709	16,449	18,363	18,461	21,895	24,013	22,447	20,508
Science	7,799	8,271	8,653	9,617	9,790	11,169	11,550	10,881	10,296
Agricultural sciences	411	355	298	245	233	260	322	307	308
Biological sciences	415	396	291	366	313	414	457	468	479
Computer sciences	2,861	3,401	4,241	5,011	5,059	6,122	6,086	5,255	4,780
Earth, atmospheric, and ocean sciences	171	157	138	103	124	138	160	156	161
Mathematical sciences	646	656	624	729	759	802	938	977	1,063
Physical sciences	968	821	757	831	775	809	876	910	884
Astronomy	15	16	17	20	29	20	33	30	21
Chemistry	442	375	327	355	321	297	357	323	341
Physics	462	415	390	445	411	470	474	543	517
Other physical sciences	49	15	23	11	14	22	12	14	5
Psychology	125	113	121	127	132	150	141	145	137
Social sciences	2,202	2,372	2,183	2,205	2,395	2,474	2,570	2,663	2,484
Engineering	7,187	7,438	7,796	8,746	8,671	10,726	12,463	11,566	10,212
Chemical engineering	465	467	488	498	462	555	604	568	528
Civil engineering	994	933	836	959	1,049	1,143	1,287	1,143	1,000
Electrical engineering	2,546	2,831	3,240	3,640	3,397	4,490	5,386	4,806	4,122
Mechanical engineering	1,056	1,012	1,010	1,113	1,160	1,428	1,726	1,705	1,513
Other engineering	2,126	2,195	2,222	2,536	2,603	3,110	3,460	3,344	3,049

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	15,215	15,771	16,340	17,778	18,753	20,666	20,508	19,985	20,298
Education	1,005	990	838	872	1,174	1,169	1,107	1,366	1,508
Health	586	531	570	656	658	640	959	903	998
Humanities	1,285	1,351	1,437	1,480	1,527	1,623	1,541	1,518	1,422
Professional/other/unknown	12,339	12,899	13,495	14,770	15,394	17,234	16,901	16,198	16,370

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All fields	239,497	246,810	265,026	273,639	283,035	300,845	328,202	337,818	351,877
Science and engineering	38,262	38,583	41,470	43,393	43,472	46,711	51,672	53,051	54,075
Science	33,567	33,420	36,130	37,765	37,898	40,527	44,537	45,444	46,563
Agricultural sciences	1,695	1,709	1,819	1,837	1,997	2,059	2,256	2,220	2,148
Biological sciences	3,518	3,354	3,510	3,755	3,669	4,018	4,487	4,870	5,075
Computer sciences	2,979	3,414	4,868	5,508	5,499	6,091	6,195	5,078	4,437
Earth, atmospheric, and ocean sciences	487	494	513	564	572	612	701	712	768
Mathematical sciences	1,489	1,470	1,498	1,389	1,471	1,677	1,950	2,011	2,085
Physical sciences	1,333	1,440	1,215	1,301	1,326	1,324	1,513	1,529	1,627
Astronomy	32	30	25	36	27	42	53	62	66
Chemistry	927	998	823	825	852	829	950	939	1,024
Physics	255	255	244	286	286	313	413	427	441
Other physical sciences	119	157	123	154	161	140	97	101	96
Psychology	9,918	9,540	10,293	10,858	10,672	11,100	11,950	12,632	13,237
Social sciences	12,148	11,999	12,414	12,553	12,692	13,646	15,485	16,392	17,186
Engineering	4,695	5,163	5,340	5,628	5,574	6,184	7,135	7,607	7,512
Chemical engineering	332	344	344	352	335	343	417	425	386
Civil engineering	1,099	1,154	1,075	1,061	1,063	1,148	1,211	1,322	1,347
Electrical engineering	1,144	1,376	1,558	1,673	1,561	1,902	2,385	2,470	2,215
Mechanical engineering	419	461	455	448	468	459	563	598	635
Other engineering	1,701	1,828	1,908	2,094	2,147	2,332	2,559	2,792	2,929
Non-science and engineering	201,235	208,227	223,556	230,246	239,563	254,134	276,530	284,767	297,802
Education	85,782	89,099	96,818	100,764	106,550	116,979	127,873	131,775	137,079
Health	26,295	28,283	29,672	30,215	29,802	28,197	29,604	30,948	33,790
Humanities	15,218	15,481	15,048	15,076	15,378	16,101	17,090	17,696	18,240
Professional/other/unknown	73,940	75,364	82,018	84,191	87,833	92,857	101,963	104,348	108,693
U.S. citizens and permanent residents, all fields <sup>a</sup>	220,221	226,085	242,244	248,590	256,938	272,030	298,321	307,845	322,079
Science and engineering	31,983	31,669	33,169	34,334	34,383	36,238	40,335	42,036	43,742
Science	28,737	28,229	29,856	30,961	30,941	32,702	36,357	37,743	39,356
Agricultural sciences	1,448	1,466	1,601	1,611	1,751	1,804	1,932	1,931	1,895
Biological sciences	3,010	2,850	3,051	3,248	3,177	3,431	3,829	4,125	4,269
Computer sciences	1,867	2,020	2,546	2,774	2,871	3,124	3,461	2,853	2,601
Earth, atmospheric, and ocean sciences	421	443	456	495	497	544	603	614	671
Mathematical sciences	1,142	1,100	1,011	888	936	966	1,103	1,211	1,342
Physical sciences	894	972	832	893	913	944	1,021	1,058	1,084
Astronomy	28	27	20	28	21	33	38	55	58
Chemistry	602	646	551	559	567	593	635	639	664
Physics	158	151	151	163	173	181	260	272	276
Other physical sciences	106	148	110	143	152	137	88	92	86
Psychology	9,641	9,193	9,947	10,521	10,325	10,585	11,488	12,147	12,762
Social sciences	10,314	10,185	10,412	10,531	10,471	11,304	12,920	13,804	14,732
Engineering	3,246	3,440	3,313	3,373	3,442	3,536	3,978	4,293	4,386
Chemical engineering	200	219	201	208	192	190	219	226	216
Civil engineering	877	898	819	787	758	787	835	914	924
Electrical engineering	614	688	690	642	715	720	874	868	832
Mechanical engineering	321	345	299	311	323	287	364	389	419
Other engineering	1,234	1,290	1,304	1,425	1,454	1,552	1,686	1,896	1,995
Non-science and engineering	188,238	194,416	209,075	214,256	222,555	235,792	257,986	265,809	278,337
Education	83,565	86,726	94,532	98,245	103,715	114,042	124,832	128,041	133,135
Health	25,444	27,451	28,742	29,101	28,723	27,139	28,342	29,558	32,123
Humanities	13,341	13,458	12,983	12,806	13,123	13,646	14,670	15,374	15,998
Professional/other/unknown	65,888	66,781	72,818	74,104	76,994	80,965	90,142	92,836	97,081

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Asian/Pacific Islander, all fields	9,327	10,298	11,307	11,802	12,292	13,251	14,639	15,713	16,031
Science and engineering	2,575	2,678	3,045	3,033	3,001	3,318	3,735	3,948	3,819
Science	2,014	2,050	2,385	2,406	2,425	2,651	2,932	3,030	2,872
Agricultural sciences	72	40	58	63	84	63	68	76	51
Biological sciences	324	294	304	305	304	371	429	438	474
Computer sciences	530	629	860	860	812	877	939	830	635
Earth, atmospheric, and ocean sciences	15	18	10	12	16	15	20	17	16
Mathematical sciences	116	105	94	104	99	107	147	174	190
Physical sciences	125	110	98	94	98	100	84	106	105
Astronomy	0	1	2	2	2	2	4	4	1
Chemistry	106	93	79	77	71	79	57	77	82
Physics	17	11	12	10	17	13	22	20	21
Other physical sciences	2	5	5	5	8	6	1	5	1
Psychology	279	289	365	372	411	418	446	455	506
Social sciences	553	565	596	596	601	700	799	934	895
Engineering	561	628	660	627	576	667	803	918	947
Chemical engineering	28	42	34	46	38	32	50	31	54
Civil engineering	123	105	99	84	76	90	97	119	111
Electrical engineering	195	264	277	239	210	263	349	394	364
Mechanical engineering	50	50	42	46	56	47	52	55	62
Other engineering	165	167	208	212	196	235	255	319	356
Non-science and engineering	6,752	7,620	8,262	8,769	9,291	9,933	10,904	11,765	12,212
Education	1,502	1,626	1,918	2,091	2,280	2,507	2,905	3,112	3,242
Health	988	1,433	1,585	1,670	1,772	1,790	1,793	1,938	2,003
Humanities	577	691	659	678	640	666	759	807	773
Professional/other/unknown	3,685	3,870	4,100	4,330	4,599	4,970	5,447	5,908	6,194
Underrepresented minorities, all fields <sup>b</sup>	29,545	31,289	37,116	40,029	42,249	46,102	52,696	56,427	60,077
Science and engineering	4,563	4,685	5,320	6,229	6,190	6,747	7,777	8,023	8,443
Science	4,155	4,255	4,896	5,745	5,656	6,226	7,156	7,401	7,862
Agricultural sciences	102	125	126	132	141	165	171	182	198
Biological sciences	285	229	308	403	361	363	471	526	513
Computer sciences	250	242	354	494	412	573	638	432	467
Earth, atmospheric, and ocean sciences	16	18	19	35	28	21	33	39	51
Mathematical sciences	102	122	97	83	95	94	104	126	140
Physical sciences	112	120	94	102	123	117	125	115	153
Astronomy	3	0	0	0	0	3	1	4	6
Chemistry	79	84	72	76	86	88	93	80	114
Physics	23	16	15	17	28	17	22	25	28
Other physical sciences	7	20	7	9	9	9	9	6	5
Psychology	1,395	1,420	1,696	2,075	2,072	2,266	2,512	2,798	2,784
Social sciences	1,893	1,979	2,202	2,421	2,424	2,627	3,102	3,183	3,556
Engineering	408	430	424	484	534	521	621	622	581
Chemical engineering	42	37	31	35	31	35	30	45	35
Civil engineering	77	89	97	94	102	97	94	115	86
Electrical engineering	72	83	75	77	99	83	136	102	96
Mechanical engineering	41	45	31	48	30	39	48	41	47
Other engineering	176	176	190	230	272	267	313	319	317
Non-science and engineering	24,982	26,604	31,796	33,800	36,059	39,355	44,919	48,404	51,634
Education	11,629	12,281	14,738	15,140	16,382	17,925	20,586	22,031	23,165
Health	2,289	2,802	2,958	3,475	3,551	3,756	4,141	4,546	5,058
Humanities	1,198	1,295	1,356	1,356	1,417	1,606	1,661	1,794	1,884

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Professional/other/unknown	9,866	10,226	12,744	13,829	14,709	16,068	18,531	20,033	21,527
American Indian/Alaska Native, all fields	1,147	1,212	1,321	1,446	1,502	1,648	1,841	1,899	1,977
Science and engineering	174	190	190	255	219	231	310	268	315
Science	167	182	174	238	202	217	283	243	295
Agricultural sciences	8	8	5	7	7	13	14	16	17
Biological sciences	14	12	12	14	20	13	24	18	30
Computer sciences	9	3	10	29	13	20	22	17	13
Earth, atmospheric, and ocean sciences	3	5	2	7	3	5	5	6	2
Mathematical sciences	6	6	4	3	1	4	3	6	4
Physical sciences	2	6	3	4	6	7	4	5	5
Astronomy	0	0	0	0	0	0	0	1	0
Chemistry	1	5	3	4	6	5	2	3	3
Physics	1	1	0	0	0	1	2	1	0
Other physical sciences	0	0	0	0	0	1	0	0	2
Psychology	63	76	54	77	68	73	83	87	97
Social sciences	62	66	84	97	84	82	128	88	127
Engineering	7	8	16	17	17	14	27	25	20
Chemical engineering	0	0	1	1	1	0	0	2	0
Civil engineering	1	2	4	2	6	3	4	5	4
Electrical engineering	0	2	1	3	3	3	3	3	5
Mechanical engineering	0	2	0	2	2	3	5	1	2
Other engineering	6	2	10	9	5	5	15	14	9
Non-science and engineering	973	1,022	1,131	1,191	1,283	1,417	1,531	1,631	1,662
Education	442	457	537	593	669	666	704	712	762
Health	121	127	144	135	126	153	161	159	185
Humanities	64	73	63	61	57	70	94	81	80
Professional/other/unknown	346	365	387	402	431	528	572	679	635
Black, non-Hispanic, all fields	18,504	19,509	22,996	24,658	26,011	28,314	31,789	33,687	36,117
Science and engineering	2,887	2,828	3,294	3,855	3,855	4,247	4,808	4,916	5,059
Science	2,662	2,584	3,087	3,609	3,590	3,966	4,524	4,634	4,779
Agricultural sciences	40	59	47	51	49	65	59	59	61
Biological sciences	167	122	150	221	200	190	270	279	279
Computer sciences	182	162	255	309	294	364	405	288	315
Earth, atmospheric, and ocean sciences	5	5	5	10	6	9	12	7	21
Mathematical sciences	79	77	52	48	64	49	52	60	78
Physical sciences	65	60	54	59	65	52	67	54	72
Astronomy	1	0	0	0	0	1	0	2	3
Chemistry	45	37	40	42	47	40	54	38	49
Physics	13	10	9	13	12	9	10	11	17
Other physical sciences	6	13	5	4	6	2	3	3	3
Psychology	814	766	1,035	1,297	1,288	1,457	1,566	1,760	1,643
Social sciences	1,310	1,333	1,489	1,614	1,624	1,780	2,093	2,127	2,310
Engineering	225	244	207	246	265	281	284	282	280
Chemical engineering	23	19	15	19	12	20	14	24	12
Civil engineering	40	45	34	41	38	43	29	37	28
Electrical engineering	47	53	40	49	50	45	58	46	49
Mechanical engineering	21	28	19	26	17	19	19	15	16
Other engineering	94	99	99	111	148	154	164	160	175
Non-science and engineering	15,617	16,681	19,702	20,803	22,156	24,067	26,981	28,771	31,058
Education	7,242	7,664	8,937	8,889	9,549	10,376	11,424	12,076	12,972
Health	1,371	1,698	1,775	2,122	2,187	2,322	2,571	2,796	3,147

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Humanities	582	617	648	691	678	789	752	800	844
Professional/other/unknown	6,422	6,702	8,342	9,101	9,742	10,580	12,234	13,099	14,095
Hispanic, all fields	9,894	10,568	12,799	13,925	14,736	16,140	19,066	20,841	21,983
Science and engineering	1,502	1,667	1,836	2,119	2,116	2,269	2,659	2,839	3,069
Science	1,326	1,489	1,635	1,898	1,864	2,043	2,349	2,524	2,788
Agricultural sciences	54	58	74	74	85	87	98	107	120
Biological sciences	104	95	146	168	141	160	177	229	204
Computer sciences	59	77	89	156	105	189	211	127	139
Earth, atmospheric, and ocean sciences	8	8	12	18	19	7	16	26	28
Mathematical sciences	17	39	41	32	30	41	49	60	58
Physical sciences	45	54	37	39	52	58	54	56	76
Astronomy	2	0	0	0	0	2	1	1	3
Chemistry	33	42	29	30	33	43	37	39	62
Physics	9	5	6	4	16	7	10	13	11
Other physical sciences	1	7	2	5	3	6	6	3	0
Psychology	518	578	607	701	716	736	863	951	1,044
Social sciences	521	580	629	710	716	765	881	968	1,119
Engineering	176	178	201	221	252	226	310	315	281
Chemical engineering	19	18	15	15	18	15	16	19	23
Civil engineering	36	42	59	51	58	51	61	73	54
Electrical engineering	25	28	34	25	46	35	75	53	42
Mechanical engineering	20	15	12	20	11	17	24	25	29
Other engineering	76	75	81	110	119	108	134	145	133
Non-science and engineering	8,392	8,901	10,963	11,806	12,620	13,871	16,407	18,002	18,914
Education	3,945	4,160	5,264	5,658	6,164	6,883	8,458	9,243	9,431
Health	797	977	1,039	1,218	1,238	1,281	1,409	1,591	1,726
Humanities	552	605	645	604	682	747	815	913	960
Professional/other/unknown	3,098	3,159	4,015	4,326	4,536	4,960	5,725	6,255	6,797
White, non-Hispanic, all fields	170,411	173,498	179,311	179,684	182,078	188,555	201,469	207,943	215,429
Science and engineering	23,213	22,717	22,749	22,792	22,558	23,336	25,546	26,385	27,336
Science	21,108	20,496	20,712	20,751	20,462	21,265	23,284	23,993	24,872
Agricultural sciences	1,211	1,251	1,350	1,328	1,453	1,483	1,580	1,542	1,508
Biological sciences	2,275	2,196	2,278	2,381	2,324	2,471	2,709	2,889	2,995
Computer sciences	965	1,027	1,162	1,163	1,255	1,308	1,396	1,254	1,162
Earth, atmospheric, and ocean sciences	378	391	410	422	439	473	521	523	563
Mathematical sciences	860	815	753	652	683	713	775	829	910
Physical sciences	623	694	597	645	628	673	738	763	768
Astronomy	25	25	17	22	16	23	24	44	50
Chemistry	391	431	367	375	366	396	442	432	432
Physics	112	117	117	126	114	134	196	206	207
Other physical sciences	95	121	96	122	132	120	76	81	79
Psychology	7,557	7,049	7,240	7,343	7,019	7,097	7,670	7,920	8,336
Social sciences	7,239	7,073	6,922	6,817	6,661	7,047	7,895	8,273	8,630
Engineering	2,105	2,221	2,037	2,041	2,096	2,071	2,262	2,392	2,464
Chemical engineering	123	131	127	113	107	113	125	124	108
Civil engineering	648	672	593	564	545	543	584	614	649
Electrical engineering	307	299	285	276	314	289	313	278	269
Mechanical engineering	214	235	204	199	217	183	239	267	268
Other engineering	813	884	828	889	913	943	1,001	1,109	1,170
Non-science and engineering	147,198	150,781	156,562	156,892	159,520	165,219	175,923	181,558	188,093
Education	66,623	68,793	72,363	74,310	76,886	82,893	88,679	91,652	94,290



TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Health	21,046	22,090	22,936	22,532	21,638	19,999	20,439	21,073	22,575
Humanities	10,771	10,758	10,026	9,812	9,949	10,146	10,957	11,344	11,771
Professional/other/unknown	48,758	49,140	51,237	50,238	51,047	52,181	55,848	57,489	59,457
Other/unknown race/ethnicity, all fields	10,938	11,000	14,510	17,075	20,319	24,122	29,517	27,762	30,542
Science and engineering	1,632	1,589	2,055	2,280	2,634	2,837	3,277	3,680	4,144
Science	1,460	1,428	1,863	2,059	2,398	2,560	2,985	3,319	3,750
Agricultural sciences	63	50	67	88	73	93	113	131	138
Biological sciences	126	131	161	159	188	226	220	272	287
Computer sciences	122	122	170	257	392	366	488	337	337
Earth, atmospheric, and ocean sciences	12	16	17	26	14	35	29	35	41
Mathematical sciences	64	58	67	49	59	52	77	82	102
Physical sciences	34	48	43	52	64	54	74	74	58
Astronomy	0	1	1	4	3	5	9	3	1
Chemistry	26	38	33	31	44	30	43	50	36
Physics	6	7	7	10	14	17	20	21	20
Other physical sciences	2	2	2	7	3	2	2	0	1
Psychology	410	435	646	731	823	804	860	974	1,136
Social sciences	629	568	692	697	785	930	1,124	1,414	1,651
Engineering	172	161	192	221	236	277	292	361	394
Chemical engineering	7	9	9	14	16	10	14	26	19
Civil engineering	29	32	30	45	35	57	60	66	78
Electrical engineering	40	42	53	50	92	85	76	94	103
Mechanical engineering	16	15	22	18	20	18	25	26	42
Other engineering	80	63	78	94	73	107	117	149	152
Non-science and engineering	9,306	9,411	12,455	14,795	17,685	21,285	26,240	24,082	26,398
Education	3,811	4,026	5,513	6,704	8,167	10,717	12,662	11,246	12,438
Health	1,121	1,126	1,263	1,424	1,762	1,594	1,969	2,001	2,487
Humanities	795	714	942	960	1,117	1,228	1,293	1,429	1,570
Professional/other/unknown	3,579	3,545	4,737	5,707	6,639	7,746	10,316	9,406	9,903
Nonresident aliens, all fields <sup>c</sup>	19,276	20,725	22,782	25,049	26,097	28,815	29,881	29,973	29,798
Science and engineering	6,279	6,914	8,301	9,059	9,089	10,473	11,337	11,015	10,333
Science	4,830	5,191	6,274	6,804	6,957	7,825	8,180	7,701	7,207
Agricultural sciences	247	243	218	226	246	255	324	289	253
Biological sciences	508	504	459	507	492	587	658	745	806
Computer sciences	1,112	1,394	2,322	2,734	2,628	2,967	2,734	2,225	1,836
Earth, atmospheric, and ocean sciences	66	51	57	69	75	68	98	98	97
Mathematical sciences	347	370	487	501	535	711	847	800	743
Physical sciences	439	468	383	408	413	380	492	471	543
Astronomy	4	3	5	8	6	9	15	7	8
Chemistry	325	352	272	266	285	236	315	300	360
Physics	97	104	93	123	113	132	153	155	165
Other physical sciences	13	9	13	11	9	3	9	9	10
Psychology	277	347	346	337	347	515	462	485	475
Social sciences	1,834	1,814	2,002	2,022	2,221	2,342	2,565	2,588	2,454
Engineering	1,449	1,723	2,027	2,255	2,132	2,648	3,157	3,314	3,126
Chemical engineering	132	125	143	144	143	153	198	199	170
Civil engineering	222	256	256	274	305	361	376	408	423
Electrical engineering	530	688	868	1,031	846	1,182	1,511	1,602	1,383
Mechanical engineering	98	116	156	137	145	172	199	209	216
Other engineering	467	538	604	669	693	780	873	896	934

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Non-science and engineering	12,997	13,811	14,481	15,990	17,008	18,342	18,544	18,958	19,465
Education	2,217	2,373	2,286	2,519	2,835	2,937	3,041	3,734	3,944
Health	851	832	930	1,114	1,079	1,058	1,262	1,390	1,667
Humanities	1,877	2,023	2,065	2,270	2,255	2,455	2,420	2,322	2,242
Professional/other/unknown	8,052	8,583	9,200	10,087	10,839	11,892	11,821	11,512	11,612

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>c</sup> Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 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
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
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
Mechanical engineering	1,022	1,022	855	864	953	827	814	852	978	1,148
Other engineering	1,950	1,878	1,739	1,634	1,654	1,526	1,679	1,875	1,963	2,214
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
U.S. citizens and permanent residents, all fields <sup>a</sup>	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
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
Mechanical engineering	538	517	464	396	428	343	333	298	324	383
Other engineering	1,118	1,054	978	884	829	734	782	851	812	929
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
Asian, all fields <sup>b</sup>	3,109	2,728	2,497	2,274	2,188	2,118	2,045	2,059	2,183	2,384

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	113	91	88	72	75	70	51	47	50	57
Other engineering	193	157	149	114	124	109	96	106	131	145
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
Underrepresented minorities, all fields <sup>c</sup>	2,841	3,122	3,302	3,229	3,148	3,276	3,365	3,416	3,366	3,418
Science and engineering	1,353	1,496	1,552	1,528	1,446	1,480	1,481	1,529	1,575	1,661
Science	1,142	1,292	1,359	1,357	1,257	1,291	1,288	1,341	1,377	1,442
Agricultural sciences	58	65	44	56	40	36	51	40	37	54
Biological sciences	266	292	310	309	319	319	295	355	398	379
Computer sciences	21	33	34	33	24	33	30	32	28	24
Earth, atmospheric, and ocean sciences	24	25	37	24	14	19	30	22	28	27
Mathematics	28	46	28	31	36	29	35	36	46	45
Physical sciences	129	119	138	147	132	137	129	127	133	131
Astronomy	6	4	4	5	9	5	4	6	5	3
Chemistry	85	86	107	102	96	87	89	94	98	102
Physics	38	29	27	40	27	45	36	27	30	26
Psychology	341	397	423	422	360	369	361	390	368	401
Social sciences	275	315	345	335	332	349	357	339	339	381
Engineering	211	204	193	171	189	189	193	188	198	219
Chemical engineering	27	19	20	27	25	29	26	24	35	35
Civil engineering	24	25	20	16	20	22	23	30	20	27
Electrical engineering	62	57	61	43	45	47	49	49	49	40
Mechanical engineering	32	34	23	33	39	30	23	27	28	29
Other engineering	66	69	69	52	60	61	72	58	66	88
Non-science and engineering	1,488	1,626	1,750	1,701	1,702	1,796	1,884	1,887	1,791	1,757
Education	861	995	1,050	1,031	989	1,061	1,138	1,116	1,016	957
Health	93	106	109	113	98	109	124	156	169	178
Humanities	369	358	382	386	419	422	416	389	397	409
Professional/other/unknown	165	167	209	171	196	204	206	226	209	213
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

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	6	2	2	3	1	1	1	0	4	3
Other engineering	0	5	5	3	3	4	4	0	2	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
Black, non-Hispanic, 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
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
Mechanical engineering	12	13	12	18	17	17	9	17	11	15
Other engineering	29	33	39	28	25	27	29	27	35	41
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
Hispanic, all fields	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

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	14	19	9	12	21	12	13	10	13	11
Other engineering	37	31	25	21	32	30	39	31	29	47
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
White, non-Hispanic, 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
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
Mechanical engineering	377	371	336	279	302	227	246	210	238	278
Other engineering	819	784	738	693	617	539	591	649	588	655
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 race/ethnicity, all fields <sup>d</sup>	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

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	16	21	17	12	12	16	13	14	8	19
Other engineering	40	44	22	25	28	25	23	38	27	41
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
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
Temporary visa holders, 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
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
Mechanical engineering	449	453	354	433	494	446	446	525	606	715
Other engineering	741	729	665	647	729	703	821	938	1,009	1,110
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
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

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	35	52	37	35	31	38	35	29	48	50
Other engineering	91	95	96	103	96	89	76	86	142	175
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

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Includes Native Hawaiians/Other Pacific Islanders prior to 2001.

<sup>c</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>d</sup> Includes Native Hawaiians/Other Pacific Islanders and multiple race, non-Hispanic ethnicity, from 2001 forward.

NOTES: See appendix B for specific fields included in science and engineering. 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 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	928	923	751	767	860	729	726	757	858	987
Other engineering	1,615	1,585	1,398	1,317	1,307	1,188	1,317	1,483	1,527	1,640
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
Professional/other/unknown	1,377	1,270	1,276	1,250	1,217	1,185	1,196	1,325	1,243	1,343
U.S. citizens and permanent residents, all fields <sup>a</sup>	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
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
Mechanical engineering	482	462	404	340	390	299	293	254	281	318
Other engineering	902	878	762	690	614	545	587	637	620	669
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
Asian, all fields <sup>b</sup>	1,884	1,640	1,477	1,241	1,186	1,127	1,078	1,004	1,073	1,142

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	97	78	77	56	67	55	42	41	43	42
Other engineering	155	127	120	85	90	79	67	77	89	95
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
Underrepresented minorities, all fields <sup>c</sup>	1,340	1,398	1,375	1,328	1,312	1,345	1,372	1,370	1,325	1,400
Science and engineering	767	777	766	741	705	696	698	717	740	760
Science	605	612	622	611	566	560	550	586	598	616
Agricultural sciences	45	45	28	33	20	23	31	16	13	30
Biological sciences	140	137	158	136	151	131	143	154	178	178
Computer sciences	17	24	20	25	10	24	20	24	17	17
Earth, atmospheric, and ocean sciences	17	17	26	19	7	17	16	16	16	14
Mathematics	20	30	17	16	23	16	22	26	33	27
Physical sciences	103	76	84	99	88	87	86	77	84	80
Astronomy	4	4	1	2	8	3	3	4	3	2
Chemistry	64	48	61	61	58	47	56	53	54	56
Physics	35	24	22	36	22	37	27	20	27	22
Psychology	111	112	107	107	101	104	105	109	107	91
Social sciences	152	171	182	176	166	158	127	164	150	179
Engineering	162	165	144	130	139	136	148	131	142	144
Chemical engineering	17	15	11	17	10	16	18	12	21	17
Civil engineering	22	20	11	13	18	18	16	22	12	19
Electrical engineering	52	51	52	40	41	39	41	38	41	34
Mechanical engineering	27	33	21	26	38	21	20	22	21	23
Other engineering	44	46	49	34	32	42	53	37	47	51
Non-science and engineering	573	621	609	587	607	649	674	653	585	640
Education	282	329	312	303	314	331	362	345	285	314
Health	25	27	27	25	22	25	29	35	46	41
Humanities	183	184	171	179	172	202	200	183	174	199
Professional/other/unknown	83	81	99	80	99	91	83	90	80	86
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

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	5	2	2	2	1	1	0	0	3	3
Other engineering	0	4	5	2	1	4	3	0	2	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
Black, non-Hispanic, 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
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
Mechanical engineering	11	13	11	13	16	13	8	14	11	10
Other engineering	17	18	27	17	12	17	20	15	28	20
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
Hispanic, all fields	625	685	579	609	568	600	666	596	606	687
Science and engineering	393	431	360	379	336	344	378	355	394	430

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	11	18	8	11	21	7	12	8	7	10
Other engineering	27	24	17	15	19	21	30	22	17	31
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
White, non-Hispanic, 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
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
Mechanical engineering	344	334	291	246	275	207	219	179	210	236
Other engineering	666	664	572	548	470	405	449	493	467	491
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 race/ethnicity, all fields <sup>d</sup>	661	632	365	414	478	466	637	601	443	507
Science and engineering	426	413	250	280	320	301	430	424	305	357

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	14	17	15	12	10	16	12	12	7	17
Other engineering	37	41	21	23	22	19	18	30	17	32
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
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
Temporary visa holders, 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
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
Mechanical engineering	420	424	322	398	445	399	403	476	531	628
Other engineering	658	632	569	553	619	582	667	777	806	845
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
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

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
Chemical engineering	9	21	16	30	21	27	14	31	51	35
Civil engineering	14	28	17	10	21	21	15	20	24	36
Electrical engineering	52	60	50	87	72	48	44	73	82	93
Mechanical engineering	26	37	25	29	25	31	30	27	46	41
Other engineering	55	75	67	74	74	61	63	69	101	126
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

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Includes Native Hawaiians/Other Pacific Islanders prior to 2001.

<sup>c</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>d</sup> Includes Native Hawaiians/Other Pacific Islanders and multiple race, non-Hispanic ethnicity, from 2001 forward.

NOTES: See appendix B for specific fields included in each category. 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 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	88	93	96	96	91	96	88	95	120	159
Other engineering	310	284	325	307	344	336	362	392	426	569
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. citizens and permanent residents, all fields <sup>a</sup>	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
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
Mechanical engineering	55	51	60	56	38	44	40	44	43	65
Other engineering	216	176	216	194	215	189	195	214	192	260
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
Asian, all fields <sup>b</sup>	1,224	1,080	1,020	1,033	1,002	991	967	1,055	1,109	1,242

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	16	11	11	16	8	15	9	6	7	15
Other engineering	38	30	29	29	34	30	29	29	42	50
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
Underrepresented minorities, all fields <sup>c</sup>	1,501	1,722	1,927	1,900	1,836	1,931	1,993	2,046	2,041	2,018
Science and engineering	586	719	786	786	741	784	783	812	835	901
Science	537	680	737	745	691	731	738	755	779	826
Agricultural sciences	13	20	16	23	20	13	20	24	24	24
Biological sciences	126	155	152	173	168	188	152	201	220	201
Computer sciences	4	9	14	8	14	9	10	8	11	7
Earth, atmospheric, and ocean sciences	7	8	11	5	7	2	14	6	12	13
Mathematics	8	16	11	15	13	13	13	10	13	18
Physical sciences	26	43	54	48	44	50	43	50	49	51
Astronomy	2	0	3	3	1	2	1	2	2	1
Chemistry	21	38	46	41	38	40	33	41	44	46
Physics	3	5	5	4	5	8	9	7	3	4
Psychology	230	285	316	314	259	265	256	281	261	310
Social sciences	123	144	163	159	166	191	230	175	189	202
Engineering	49	39	49	41	50	53	45	57	56	75
Chemical engineering	10	4	9	10	15	13	8	12	14	18
Civil engineering	2	5	9	3	2	4	7	8	8	8
Electrical engineering	10	6	9	3	4	8	8	11	8	6
Mechanical engineering	5	1	2	7	1	9	3	5	7	6
Other engineering	22	23	20	18	28	19	19	21	19	37
Non-science and engineering	915	1,003	1,141	1,114	1,095	1,147	1,210	1,234	1,206	1,117
Education	579	664	738	728	675	730	776	771	731	643
Health	68	79	82	88	76	84	95	121	123	137
Humanities	186	174	211	207	247	220	216	206	223	210
Professional/other/unknown	82	86	110	91	97	113	123	136	129	127
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



TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
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
Black, non-Hispanic, 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
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
Mechanical engineering	1	0	1	5	1	4	1	3	0	5
Other engineering	12	15	12	11	13	10	9	12	7	21
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
Hispanic, all fields	574	644	745	700	698	770	763	705	822	823
Science and engineering	266	326	362	350	334	379	366	363	408	442

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	3	1	1	1	0	5	1	2	6	1
Other engineering	10	7	8	6	13	9	9	9	12	16
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
White, non-Hispanic, 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
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
Mechanical engineering	33	37	45	33	27	20	27	31	28	42
Other engineering	153	120	166	145	147	134	142	156	121	164
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 race/ethnicity, all fields <sup>d</sup>	481	410	239	304	389	418	551	511	453	488
Science and engineering	247	201	115	157	203	204	271	266	241	256

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	1	2	2	0	2	0	1	2	1	2
Other engineering	3	3	1	2	6	6	5	8	10	9
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
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
Temporary visa holders, 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
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
Mechanical engineering	29	28	31	35	49	47	43	49	75	87
Other engineering	82	94	96	94	110	121	154	161	203	265
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
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

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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
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
Mechanical engineering	4	14	5	5	4	5	5	2	2	7
Other engineering	12	14	13	19	19	26	13	17	31	44
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

<sup>a</sup> Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas.

<sup>b</sup> Includes Native Hawaiians/Other Pacific Islanders prior to 2001.

<sup>c</sup> Underrepresented minorities include American Indians/Alaska Natives, blacks, and Hispanics.

<sup>d</sup> Includes Native Hawaiians/Other Pacific Islanders and multiple race, non-Hispanic ethnicity, from 2001 forward.

NOTES: See appendix B for specific fields included in each category. 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 13. Bachelor's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	92,067	95,878	104,212	106,648	111,032	117,257	122,618	125,678	129,824
Science and engineering	29,825	30,751	32,924	33,290	34,796	36,711	38,369	39,283	39,409
Science	26,748	27,732	29,861	30,406	31,814	33,637	35,157	36,098	36,223
Agricultural sciences	367	409	450	428	454	452	450	444	485
Biological sciences	4,124	4,553	4,739	4,693	4,634	4,878	5,038	5,051	5,362
Computer sciences	2,432	2,666	3,497	4,291	4,954	5,867	5,934	5,303	4,667
Earth, atmospheric, and ocean sciences	57	70	51	56	62	60	65	68	58
Mathematics	1,016	966	905	808	843	790	784	855	847
Physical sciences	1,053	1,057	1,090	996	1,018	928	958	966	1,040
Astronomy	0	2	1	2	3	1	3	4	9
Chemistry	861	824	888	827	796	744	756	761	827
Physics	148	179	152	133	182	147	166	166	171
Other physical sciences	44	52	49	34	37	36	33	35	33
Psychology	6,647	6,852	7,572	7,562	7,747	8,011	8,479	9,130	9,075
Social sciences	11,052	11,159	11,557	11,572	12,102	12,651	13,449	14,281	14,689
Engineering	3,077	3,019	3,063	2,884	2,982	3,074	3,212	3,185	3,186
Chemical engineering	373	385	383	373	346	317	303	273	231
Civil engineering	403	401	403	329	317	292	320	342	324
Electrical engineering	1,067	1,047	1,049	1,082	1,103	1,284	1,393	1,311	1,257
Mechanical engineering	642	548	594	515	561	471	504	537	569
Other engineering	592	638	634	585	655	710	692	722	805
Non-science and engineering	62,242	65,127	71,288	73,358	76,236	80,546	84,249	86,395	90,415
Education	7,904	8,147	8,453	8,089	7,722	7,749	7,460	7,450	8,033
Health	5,645	6,182	6,692	6,543	6,778	6,641	7,171	7,535	8,452
Humanities	7,736	8,182	8,918	9,050	9,562	10,016	10,489	10,653	11,289
Professional/other/unknown	40,957	42,616	47,225	49,676	52,174	56,140	59,129	60,757	62,641
HBCUs, all fields	25,215	25,546	25,558	25,142	25,166	26,075	26,518	26,443	26,613
Science and engineering	8,814	8,830	8,530	8,682	8,607	8,720	8,909	8,765	8,598
Science	7,909	7,987	7,836	8,013	7,940	8,070	8,259	8,056	7,959
Agricultural sciences	202	210	213	198	229	218	189	183	218
Biological sciences	1,841	1,920	1,884	1,943	1,823	1,741	1,806	1,749	1,731
Computer sciences	834	904	987	1,220	1,274	1,487	1,563	1,409	1,182
Earth, atmospheric, and ocean sciences	6	23	5	7	4	7	8	11	6
Mathematics	478	444	427	345	339	302	290	277	278
Physical sciences	497	462	491	464	427	374	378	360	367
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	399	358	387	374	316	295	294	277	281
Physics	81	91	94	86	104	65	81	81	83
Other physical sciences	17	13	10	4	7	14	3	2	3
Psychology	1,653	1,636	1,682	1,677	1,685	1,753	1,816	1,848	1,919
Social sciences	2,398	2,388	2,147	2,159	2,159	2,188	2,209	2,219	2,258
Engineering	905	843	694	669	667	650	650	709	639
Chemical engineering	111	114	82	74	76	59	67	58	58
Civil engineering	141	114	115	89	87	94	89	105	71
Electrical engineering	310	315	241	284	259	268	305	302	254
Mechanical engineering	219	155	125	129	123	111	111	127	128
Other engineering	124	145	131	93	122	118	78	117	128
Non-science and engineering	16,401	16,716	17,028	16,460	16,559	17,355	17,609	17,678	18,015
Education	2,936	2,892	2,814	2,457	2,206	2,165	1,928	2,020	2,167
Health	1,288	1,412	1,308	1,190	1,238	1,136	1,227	1,238	1,319
Humanities	1,901	1,927	1,953	1,918	1,948	2,068	2,040	2,027	2,117
Professional/other/unknown	10,276	10,485	10,953	10,895	11,167	11,986	12,414	12,393	12,412

TABLE 13. Bachelor's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997-2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	27.4	26.6	24.5	23.6	22.7	22.2	21.6	21.0	20.5
Science and engineering	29.6	28.7	25.9	26.1	24.7	23.8	23.2	22.3	21.8
Science	29.6	28.8	26.2	26.4	25.0	24.0	23.5	22.3	22.0
Agricultural sciences	55.0	51.3	47.3	46.3	50.4	48.2	42.0	41.2	44.9
Biological sciences	44.6	42.2	39.8	41.4	39.3	35.7	35.8	34.6	32.3
Computer sciences	34.3	33.9	28.2	28.4	25.7	25.3	26.3	26.6	25.3
Earth, atmospheric, and ocean sciences	10.5	32.9	9.8	12.5	6.5	11.7	12.3	16.2	10.3
Mathematics	47.0	46.0	47.2	42.7	40.2	38.2	37.0	32.4	32.8
Physical sciences	47.2	43.7	45.0	46.6	41.9	40.3	39.5	37.3	35.3
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	46.3	43.4	43.6	45.2	39.7	39.7	38.9	36.4	34.0
Physics	54.7	50.8	61.8	64.7	57.1	44.2	48.8	48.8	48.5
Other physical sciences	38.6	25.0	20.4	11.8	18.9	38.9	9.1	5.7	9.1
Psychology	24.9	23.9	22.2	22.2	21.8	21.9	21.4	20.2	21.1
Social sciences	21.7	21.4	18.6	18.7	17.8	17.3	16.4	15.5	15.4
Engineering	29.4	27.9	22.7	23.2	22.4	21.1	20.2	22.3	20.1
Chemical engineering	29.8	29.6	21.4	19.8	22.0	18.6	22.1	21.2	25.1
Civil engineering	35.0	28.4	28.5	27.1	27.4	32.2	27.8	30.7	21.9
Electrical engineering	29.1	30.1	23.0	26.2	23.5	20.9	21.9	23.0	20.2
Mechanical engineering	34.1	28.3	21.0	25.0	21.9	23.6	22.0	23.6	22.5
Other engineering	20.9	22.7	20.7	15.9	18.6	16.6	11.3	16.2	15.9
Non-science and engineering	26.4	25.7	23.9	22.4	21.7	21.5	20.9	20.5	19.9
Education	37.1	35.5	33.3	30.4	28.6	27.9	25.8	27.1	27.0
Health	22.8	22.8	19.5	18.2	18.3	17.1	17.1	16.4	15.6
Humanities	24.6	23.6	21.9	21.2	20.4	20.6	19.4	19.0	18.8
Professional/other/unknown	25.1	24.6	23.2	21.9	21.4	21.4	21.0	20.4	19.8

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 14. Bachelor's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	32,726	33,653	35,648	36,378	37,206	38,991	40,692	41,918	43,392
Science and engineering	11,495	11,698	11,976	11,963	12,421	13,255	13,739	13,995	14,268
Science	9,475	9,721	10,003	10,105	10,530	11,237	11,623	11,884	12,061
Agricultural sciences	171	179	183	167	179	196	168	177	188
Biological sciences	1,304	1,448	1,380	1,326	1,276	1,292	1,317	1,295	1,393
Computer sciences	1,253	1,372	1,827	2,302	2,630	3,117	3,267	3,083	2,775
Earth, atmospheric, and ocean sciences	37	33	27	32	30	33	25	30	28
Mathematics	483	462	434	357	373	374	337	416	420
Physical sciences	429	488	445	416	407	377	366	380	414
Astronomy	0	1	1	2	2	0	1	1	5
Chemistry	302	340	327	314	277	255	246	253	269
Physics	101	114	89	90	113	106	104	109	122
Other physical sciences	26	33	28	10	15	16	15	17	18
Psychology	1,591	1,544	1,646	1,557	1,537	1,563	1,573	1,632	1,660
Social sciences	4,207	4,195	4,061	3,948	4,098	4,285	4,570	4,871	5,183
Engineering	2,020	1,977	1,973	1,858	1,891	2,018	2,116	2,111	2,207
Chemical engineering	165	165	169	179	156	149	149	121	101
Civil engineering	275	254	256	215	191	181	187	201	220
Electrical engineering	777	782	753	759	781	929	1,019	959	977
Mechanical engineering	459	398	443	381	407	348	366	411	437
Other engineering	344	378	352	324	356	411	395	419	472
Non-science and engineering	21,231	21,955	23,672	24,415	24,785	25,736	26,953	27,923	29,124
Education	2,187	2,398	2,468	2,408	2,320	2,264	2,221	2,273	2,451
Health	750	861	880	908	836	791	869	945	1,076
Humanities	2,970	3,139	3,293	3,375	3,613	3,615	3,870	3,941	4,269
Professional/other/unknown	15,324	15,557	17,031	17,724	18,016	19,066	19,993	20,764	21,328
HBCUs, all fields	8,933	8,976	8,954	8,636	8,629	8,997	8,827	8,710	8,863
Science and engineering	3,283	3,228	2,934	2,854	2,937	2,968	2,925	2,853	2,874
Science	2,749	2,735	2,530	2,481	2,524	2,575	2,529	2,410	2,444
Agricultural sciences	101	93	91	98	91	97	78	78	83
Biological sciences	543	575	483	507	505	412	421	381	371
Computer sciences	378	438	483	566	610	756	804	754	650
Earth, atmospheric, and ocean sciences	5	4	5	2	2	2	2	3	0
Mathematics	223	214	208	152	145	142	106	126	126
Physical sciences	157	175	171	180	164	138	131	120	135
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	103	118	124	122	105	92	83	70	77
Physics	44	50	43	57	55	42	46	49	56
Other physical sciences	10	7	4	1	4	4	2	1	2
Psychology	428	377	379	337	344	342	337	316	341
Social sciences	914	859	710	639	663	686	650	632	738
Engineering	534	493	404	373	413	393	396	443	430
Chemical engineering	31	34	22	29	31	24	22	27	25
Civil engineering	99	63	69	51	52	53	46	59	51
Electrical engineering	199	221	150	173	165	171	204	199	169
Mechanical engineering	137	103	99	73	89	78	75	95	101
Other engineering	68	72	64	47	76	67	49	63	84
Non-science and engineering	5,650	5,748	6,020	5,782	5,692	6,029	5,902	5,857	5,989
Education	799	839	852	751	723	667	570	610	639
Health	177	204	213	184	162	144	155	133	155
Humanities	734	750	748	749	746	799	762	755	834
Professional/other/unknown	3,940	3,955	4,207	4,098	4,061	4,419	4,415	4,359	4,361

TABLE 14. Bachelor's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	27.3	26.7	25.1	23.7	23.2	23.1	21.7	20.8	20.4
Science and engineering	28.6	27.6	24.5	23.9	23.6	22.4	21.3	20.4	20.1
Science	29.0	28.1	25.3	24.6	24.0	22.9	21.8	20.3	20.3
Agricultural sciences	59.1	52.0	49.7	58.7	50.8	49.5	46.4	44.1	44.1
Biological sciences	41.6	39.7	35.0	38.2	39.6	31.9	32.0	29.4	26.6
Computer sciences	30.2	31.9	26.4	24.6	23.2	24.3	24.6	24.5	23.4
Earth, atmospheric, and ocean sciences	13.5	12.1	18.5	6.3	6.7	6.1	8.0	10.0	0.0
Mathematics	46.2	46.3	47.9	42.6	38.9	38.0	31.5	30.3	30.0
Physical sciences	36.6	35.9	38.4	43.3	40.3	36.6	35.8	31.6	32.6
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	34.1	34.7	37.9	38.9	37.9	36.1	33.7	27.7	28.6
Physics	43.6	43.9	48.3	63.3	48.7	39.6	44.2	45.0	45.9
Other physical sciences	38.5	21.2	14.3	10.0	26.7	25.0	13.3	5.9	11.1
Psychology	26.9	24.4	23.0	21.6	22.4	21.9	21.4	19.4	20.5
Social sciences	21.7	20.5	17.5	16.2	16.2	16.0	14.2	13.0	14.2
Engineering	26.4	24.9	20.5	20.1	21.8	19.5	18.7	21.0	19.5
Chemical engineering	18.8	20.6	13.0	16.2	19.9	16.1	14.8	22.3	24.8
Civil engineering	36.0	24.8	27.0	23.7	27.2	29.3	24.6	29.4	23.2
Electrical engineering	25.6	28.3	19.9	22.8	21.1	18.4	20.0	20.8	17.3
Mechanical engineering	29.8	25.9	22.3	19.2	21.9	22.4	20.5	23.1	23.1
Other engineering	19.8	19.0	18.2	14.5	21.3	16.3	12.4	15.0	17.8
Non-science and engineering	26.6	26.2	25.4	23.7	23.0	23.4	21.9	21.0	20.6
Education	36.5	35.0	34.5	31.2	31.2	29.5	25.7	26.8	26.1
Health	23.6	23.7	24.2	20.3	19.4	18.2	17.8	14.1	14.4
Humanities	24.7	23.9	22.7	22.2	20.6	22.1	19.7	19.2	19.5
Professional/other/unknown	25.7	25.4	24.7	23.1	22.5	23.2	22.1	21.0	20.4

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 15. Bachelor's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	59,341	62,225	68,564	70,270	73,826	78,266	81,926	83,760	86,432
Science and engineering	18,330	19,053	20,948	21,327	22,375	23,456	24,630	25,288	25,141
Science	17,273	18,011	19,858	20,301	21,284	22,400	23,534	24,214	24,162
Agricultural sciences	196	230	267	261	275	256	282	267	297
Biological sciences	2,820	3,105	3,359	3,367	3,358	3,586	3,721	3,756	3,969
Computer sciences	1,179	1,294	1,670	1,989	2,324	2,750	2,667	2,220	1,892
Earth, atmospheric, and ocean sciences	20	37	24	24	32	27	40	38	30
Mathematics	533	504	471	451	470	416	447	439	427
Physical sciences	624	569	645	580	611	551	592	586	626
Astronomy	0	1	0	0	1	1	2	3	4
Chemistry	559	484	561	513	519	489	510	508	558
Physics	47	65	63	43	69	41	62	57	49
Other physical sciences	18	19	21	24	22	20	18	18	15
Psychology	5,056	5,308	5,926	6,005	6,210	6,448	6,906	7,498	7,415
Social sciences	6,845	6,964	7,496	7,624	8,004	8,366	8,879	9,410	9,506
Engineering	1,057	1,042	1,090	1,026	1,091	1,056	1,096	1,074	979
Chemical engineering	208	220	214	194	190	168	154	152	130
Civil engineering	128	147	147	114	126	111	133	141	104
Electrical engineering	290	265	296	323	322	355	374	352	280
Mechanical engineering	183	150	151	134	154	123	138	126	132
Other engineering	248	260	282	261	299	299	297	303	333
Non-science and engineering	41,011	43,172	47,616	48,943	51,451	54,810	57,296	58,472	61,291
Education	5,717	5,749	5,985	5,681	5,402	5,485	5,239	5,177	5,582
Health	4,895	5,321	5,812	5,635	5,942	5,850	6,302	6,590	7,376
Humanities	4,766	5,043	5,625	5,675	5,949	6,401	6,619	6,712	7,020
Professional/other/unknown	25,633	27,059	30,194	31,952	34,158	37,074	39,136	39,993	41,313
HBCUs, all fields	16,282	16,570	16,604	16,506	16,537	17,078	17,691	17,733	17,750
Science and engineering	5,531	5,602	5,596	5,828	5,670	5,752	5,984	5,912	5,724
Science	5,160	5,252	5,306	5,532	5,416	5,495	5,730	5,646	5,515
Agricultural sciences	101	117	122	100	138	121	111	105	135
Biological sciences	1,298	1,345	1,401	1,436	1,318	1,329	1,385	1,368	1,360
Computer sciences	456	466	504	654	664	731	759	655	532
Earth, atmospheric, and ocean sciences	1	19	0	5	2	5	6	8	6
Mathematics	255	230	219	193	194	160	184	151	152
Physical sciences	340	287	320	284	263	236	247	240	232
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	296	240	263	252	211	203	211	207	204
Physics	37	41	51	29	49	23	35	32	27
Other physical sciences	7	6	6	3	3	10	1	1	1
Psychology	1,225	1,259	1,303	1,340	1,341	1,411	1,479	1,532	1,578
Social sciences	1,484	1,529	1,437	1,520	1,496	1,502	1,559	1,587	1,520
Engineering	371	350	290	296	254	257	254	266	209
Chemical engineering	80	80	60	45	45	35	45	31	33
Civil engineering	42	51	46	38	35	41	43	46	20
Electrical engineering	111	94	91	111	94	97	101	103	85
Mechanical engineering	82	52	26	56	34	33	36	32	27
Other engineering	56	73	67	46	46	51	29	54	44
Non-science and engineering	10,751	10,968	11,008	10,678	10,867	11,326	11,707	11,821	12,026
Education	2,137	2,053	1,962	1,706	1,483	1,498	1,358	1,410	1,528
Health	1,111	1,208	1,095	1,006	1,076	992	1,072	1,105	1,164
Humanities	1,167	1,177	1,205	1,169	1,202	1,269	1,278	1,272	1,283
Professional/other/unknown	6,336	6,530	6,746	6,797	7,106	7,567	7,999	8,034	8,051

TABLE 15. Bachelor's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	27.4	26.6	24.2	23.5	22.4	21.8	21.6	21.2	20.5
Science and engineering	30.2	29.4	26.7	27.3	25.3	24.5	24.3	23.4	22.8
Science	29.9	29.2	26.7	27.2	25.4	24.5	24.3	23.3	22.8
Agricultural sciences	51.5	50.9	45.7	38.3	50.2	47.3	39.4	39.3	45.5
Biological sciences	46.0	43.3	41.7	42.6	39.2	37.1	37.2	36.4	34.3
Computer sciences	38.7	36.0	30.2	32.9	28.6	26.6	28.5	29.5	28.1
Earth, atmospheric, and ocean sciences	5.0	51.4	0.0	20.8	6.3	18.5	15.0	21.1	20.0
Mathematics	47.8	45.6	46.5	42.8	41.3	38.5	41.2	34.4	35.6
Physical sciences	54.5	50.4	49.6	49.0	43.0	42.8	41.7	41.0	37.1
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	53.0	49.6	46.9	49.1	40.7	41.5	41.4	40.7	36.6
Physics	78.7	63.1	81.0	67.4	71.0	56.1	56.5	56.1	55.1
Other physical sciences	38.9	31.6	28.6	12.5	13.6	50.0	5.6	5.6	6.7
Psychology	24.2	23.7	22.0	22.3	21.6	21.9	21.4	20.4	21.3
Social sciences	21.7	22.0	19.2	19.9	18.7	18.0	17.6	16.9	16.0
Engineering	35.1	33.6	26.6	28.8	23.3	24.3	23.2	24.8	21.3
Chemical engineering	38.5	36.4	28.0	23.2	23.7	20.8	29.2	20.4	25.4
Civil engineering	32.8	34.7	31.3	33.3	27.8	36.9	32.3	32.6	19.2
Electrical engineering	38.3	35.5	30.7	34.4	29.2	27.3	27.0	29.3	30.4
Mechanical engineering	44.8	34.7	17.2	41.8	22.1	26.8	26.1	25.4	20.5
Other engineering	22.6	28.1	23.8	17.6	15.4	17.1	9.8	17.8	13.2
Non-science and engineering	26.2	25.4	23.1	21.8	21.1	20.7	20.4	20.2	19.6
Education	37.4	35.7	32.8	30.0	27.5	27.3	25.9	27.2	27.4
Health	22.7	22.7	18.8	17.9	18.1	17.0	17.0	16.8	15.8
Humanities	24.5	23.3	21.4	20.6	20.2	19.8	19.3	19.0	18.3
Professional/other/unknown	24.7	24.1	22.3	21.3	20.8	20.4	20.4	20.1	19.5

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 16. Master's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	26,948	28,616	33,305	35,059	36,524	39,582	44,375	46,901	50,160
Science and engineering	4,870	4,894	5,492	6,117	6,133	6,800	7,459	7,607	7,890
Science	4,196	4,180	4,834	5,417	5,395	5,973	6,606	6,733	6,997
Agricultural sciences	96	95	84	96	88	103	102	85	96
Biological sciences	236	190	223	313	288	298	385	375	406
Computer sciences	411	424	580	654	659	881	902	740	766
Earth, atmospheric, and ocean sciences	12	15	7	21	18	18	22	19	32
Mathematics	154	142	98	113	113	98	115	135	155
Physical sciences	132	131	117	130	121	113	120	101	154
Astronomy	2	0	0	0	2	1	1	2	3
Chemistry	84	79	65	82	74	76	87	55	93
Physics	39	34	44	41	37	32	27	39	53
Other physical sciences	7	18	8	7	8	4	5	5	5
Psychology	1,059	1,020	1,346	1,598	1,631	1,801	1,923	2,135	1,977
Social sciences	2,096	2,163	2,379	2,492	2,477	2,661	3,037	3,143	3,411
Engineering	674	714	658	700	738	827	853	874	893
Chemical engineering	35	43	34	34	31	43	31	56	37
Civil engineering	109	127	93	102	101	96	76	100	88
Electrical engineering	168	198	183	188	189	226	238	229	229
Mechanical engineering	110	96	91	89	71	79	85	82	87
Other engineering	252	250	257	287	346	383	423	407	452
Non-science and engineering	22,078	23,722	27,813	28,942	30,391	32,782	36,916	39,294	42,270
Education	9,338	9,908	11,573	11,484	12,211	13,123	14,472	15,371	16,460
Health	1,624	2,048	2,158	2,503	2,607	2,764	3,033	3,244	3,718
Humanities	1,001	1,111	1,187	1,186	1,190	1,286	1,290	1,360	1,443
Professional/other/unknown	10,115	10,655	12,895	13,769	14,383	15,609	18,121	19,319	20,649
HBCUs, all fields	4,218	4,411	4,731	4,586	4,474	4,556	5,059	5,027	5,221
Science and engineering	868	862	807	998	972	975	1,047	1,006	1,299
Science	804	777	746	944	911	903	965	940	1,225
Agricultural sciences	51	52	33	42	32	36	38	26	47
Biological sciences	76	63	75	102	73	64	88	83	75
Computer sciences	88	95	107	107	115	109	82	65	70
Earth, atmospheric, and ocean sciences	0	0	0	4	5	3	0	0	4
Mathematics	45	46	30	37	34	24	21	27	29
Physical sciences	51	42	32	38	32	32	32	26	34
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	33	26	10	21	18	18	22	10	13
Physics	18	16	19	17	14	14	10	16	21
Other physical sciences	0	0	3	0	0	0	0	0	0
Psychology	171	133	136	261	292	327	314	319	354
Social sciences	322	346	333	353	328	308	390	394	612
Engineering	64	85	61	54	61	72	82	66	74
Chemical engineering	0	0	1	3	5	3	7	6	5
Civil engineering	11	13	13	7	12	13	10	9	9
Electrical engineering	13	20	14	17	15	16	25	15	15
Mechanical engineering	18	19	15	4	11	8	19	6	8
Other engineering	22	33	18	23	18	32	21	30	37
Non-science and engineering	3,350	3,549	3,924	3,588	3,502	3,581	4,012	4,021	3,922
Education	1,984	2,029	2,247	1,993	1,838	1,910	2,038	2,063	2,058
Health	114	155	179	225	252	207	257	256	219
Humanities	85	105	83	66	88	90	95	94	98
Professional/other/unknown	1,167	1,260	1,415	1,304	1,324	1,374	1,622	1,608	1,547

TABLE 16. Master's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	15.7	15.4	14.2	13.1	12.2	11.5	11.4	10.7	10.4
Science and engineering	17.8	17.6	14.7	16.3	15.8	14.3	14.0	13.2	16.5
Science	19.2	18.6	15.4	17.4	16.9	15.1	14.6	14.0	17.5
Agricultural sciences	53.1	54.7	39.3	43.8	36.4	35.0	37.3	30.6	49.0
Biological sciences	32.2	33.2	33.6	32.6	25.3	21.5	22.9	22.1	18.5
Computer sciences	21.4	22.4	18.4	16.4	17.5	12.4	9.1	8.8	9.1
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	19.0	27.8	16.7	0.0	0.0	12.5
Mathematics	29.2	32.4	30.6	32.7	30.1	24.5	18.3	20.0	18.7
Physical sciences	38.6	32.1	27.4	29.2	26.4	28.3	26.7	25.7	22.1
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	39.3	32.9	15.4	25.6	24.3	23.7	25.3	18.2	14.0
Physics	46.2	47.1	43.2	41.5	37.8	43.8	37.0	41.0	39.6
Other physical sciences	0.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	16.1	13.0	10.1	16.3	17.9	18.2	16.3	14.9	17.9
Social sciences	15.4	16.0	14.0	14.2	13.2	11.6	12.8	12.5	17.9
Engineering	9.5	11.9	9.3	7.7	8.3	8.7	9.6	7.6	8.3
Chemical engineering	0.0	0.0	2.9	8.8	16.1	7.0	22.6	10.7	13.5
Civil engineering	10.1	10.2	14.0	6.9	11.9	13.5	13.2	9.0	10.2
Electrical engineering	7.7	10.1	7.7	9.0	7.9	7.1	10.5	6.6	6.6
Mechanical engineering	16.4	19.8	16.5	4.5	15.5	10.1	22.4	7.3	9.2
Other engineering	8.7	13.2	7.0	8.0	5.2	8.4	5.0	7.4	8.2
Non-science and engineering	15.2	15.0	14.1	12.4	11.5	10.9	10.9	10.2	9.3
Education	21.2	20.5	19.4	17.4	15.1	14.6	14.1	13.4	12.5
Health	7.0	7.6	8.3	9.0	9.7	7.5	8.5	7.9	5.9
Humanities	8.5	9.5	7.0	5.6	7.4	7.0	7.4	6.9	6.8
Professional/other/unknown	11.5	11.8	11.0	9.5	9.2	8.8	9.0	8.3	7.5

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 17. Master's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	8,444	9,107	10,309	10,401	10,513	11,268	12,586	13,214	14,043
Science and engineering	1,983	2,066	2,198	2,262	2,278	2,553	2,651	2,691	2,831
Science	1,534	1,596	1,747	1,808	1,805	2,007	2,082	2,099	2,218
Agricultural sciences	56	36	37	45	39	38	43	26	35
Biological sciences	69	68	73	92	88	108	115	96	127
Computer sciences	229	262	325	345	365	517	497	452	451
Earth, atmospheric, and ocean sciences	7	10	2	11	12	9	10	12	11
Mathematics	75	65	46	65	49	49	63	75	77
Physical sciences	67	71	63	71	56	61	53	47	82
Astronomy	1	0	0	0	2	0	1	0	0
Chemistry	39	42	25	40	27	36	33	17	44
Physics	26	24	35	28	25	23	17	28	36
Other physical sciences	1	5	3	3	2	2	2	2	2
Psychology	245	254	311	301	343	344	357	375	334
Social sciences	786	830	890	878	853	881	944	1,016	1,101
Engineering	449	470	451	454	473	546	569	592	613
Chemical engineering	12	24	19	15	19	23	17	32	25
Civil engineering	69	82	59	61	63	53	47	63	60
Electrical engineering	121	145	143	139	139	181	180	183	180
Mechanical engineering	89	68	72	63	54	60	66	67	71
Other engineering	158	151	158	176	198	229	259	247	277
Non-science and engineering	6,461	7,041	8,111	8,139	8,235	8,715	9,935	10,523	11,212
Education	2,096	2,244	2,636	2,595	2,662	2,747	3,048	3,295	3,488
Health	253	350	383	381	420	442	462	448	571
Humanities	419	494	539	495	512	497	538	560	599
Professional/other/unknown	3,693	3,953	4,553	4,668	4,641	5,029	5,887	6,220	6,554
HBCUs, all fields	1,164	1,259	1,310	1,181	1,167	1,159	1,354	1,291	1,327
Science and engineering	318	334	305	314	309	294	343	295	413
Science	281	286	264	294	278	257	294	257	362
Agricultural sciences	31	18	12	21	11	16	20	6	21
Biological sciences	20	20	23	28	19	17	25	18	24
Computer sciences	42	58	58	47	53	53	42	38	33
Earth, atmospheric, and ocean sciences	0	0	0	3	4	2	0	0	1
Mathematics	19	14	15	20	15	10	16	11	15
Physical sciences	21	22	14	19	16	10	13	14	17
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	10	10	1	9	6	4	6	2	6
Physics	11	12	12	10	10	6	7	12	11
Other physical sciences	0	0	1	0	0	0	0	0	0
Psychology	36	32	29	42	51	52	45	52	48
Social sciences	112	122	113	114	109	97	133	118	203
Engineering	37	48	41	20	31	37	49	38	51
Chemical engineering	0	0	1	0	2	0	4	3	5
Civil engineering	7	6	9	4	6	3	4	6	5
Electrical engineering	7	14	12	4	10	13	17	13	12
Mechanical engineering	14	13	14	2	7	4	12	5	6
Other engineering	9	15	5	10	6	17	12	11	23
Non-science and engineering	846	925	1,005	867	858	865	1,011	996	914
Education	473	479	527	468	427	428	470	497	440
Health	19	33	33	28	38	43	45	44	26
Humanities	35	44	33	23	34	29	49	31	37
Professional/other/unknown	319	369	412	348	359	365	447	424	411

TABLE 17. Master's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	13.8	13.8	12.7	11.4	11.1	10.3	10.8	9.8	9.4
Science and engineering	16.0	16.2	13.9	13.9	13.6	11.5	12.9	11.0	14.6
Science	18.3	17.9	15.1	16.3	15.4	12.8	14.1	12.2	16.3
Agricultural sciences	55.4	50.0	32.4	46.7	28.2	42.1	46.5	23.1	60.0
Biological sciences	29.0	29.4	31.5	30.4	21.6	15.7	21.7	18.8	18.9
Computer sciences	18.3	22.1	17.8	13.6	14.5	10.3	8.5	8.4	7.3
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	27.3	33.3	22.2	0.0	0.0	9.1
Mathematics	25.3	21.5	32.6	30.8	30.6	20.4	25.4	14.7	19.5
Physical sciences	31.3	31.0	22.2	26.8	28.6	16.4	24.5	29.8	20.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	25.6	23.8	4.0	22.5	22.2	11.1	18.2	11.8	13.6
Physics	42.3	50.0	34.3	35.7	40.0	26.1	41.2	42.9	30.6
Other physical sciences	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	14.7	12.6	9.3	14.0	14.9	15.1	12.6	13.9	14.4
Social sciences	14.2	14.7	12.7	13.0	12.8	11.0	14.1	11.6	18.4
Engineering	8.2	10.2	9.1	4.4	6.6	6.8	8.6	6.4	8.3
Chemical engineering	0.0	0.0	5.3	0.0	10.5	0.0	23.5	9.4	20.0
Civil engineering	10.1	7.3	15.3	6.6	9.5	5.7	8.5	9.5	8.3
Electrical engineering	5.8	9.7	8.4	2.9	7.2	7.2	9.4	7.1	6.7
Mechanical engineering	15.7	19.1	19.4	3.2	13.0	6.7	18.2	7.5	8.5
Other engineering	5.7	9.9	3.2	5.7	3.0	7.4	4.6	4.5	8.3
Non-science and engineering	13.1	13.1	12.4	10.7	10.4	9.9	10.2	9.5	8.2
Education	22.6	21.3	20.0	18.0	16.0	15.6	15.4	15.1	12.6
Health	7.5	9.4	8.6	7.3	9.0	9.7	9.7	9.8	4.6
Humanities	8.4	8.9	6.1	4.6	6.6	5.8	9.1	5.5	6.2
Professional/other/unknown	8.6	9.3	9.0	7.5	7.7	7.3	7.6	6.8	6.3

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 18. Master's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	18,504	19,509	22,996	24,658	26,011	28,314	31,789	33,687	36,117
Science and engineering	2,887	2,828	3,294	3,855	3,855	4,247	4,808	4,916	5,059
Science	2,662	2,584	3,087	3,609	3,590	3,966	4,524	4,634	4,779
Agricultural sciences	40	59	47	51	49	65	59	59	61
Biological sciences	167	122	150	221	200	190	270	279	279
Computer sciences	182	162	255	309	294	364	405	288	315
Earth, atmospheric, and ocean sciences	5	5	5	10	6	9	12	7	21
Mathematics	79	77	52	48	64	49	52	60	78
Physical sciences	65	60	54	59	65	52	67	54	72
Astronomy	1	0	0	0	0	1	0	2	3
Chemistry	45	37	40	42	47	40	54	38	49
Physics	13	10	9	13	12	9	10	11	17
Other physical sciences	6	13	5	4	6	2	3	3	3
Psychology	814	766	1,035	1,297	1,288	1,457	1,566	1,760	1,643
Social sciences	1,310	1,333	1,489	1,614	1,624	1,780	2,093	2,127	2,310
Engineering	225	244	207	246	265	281	284	282	280
Chemical engineering	23	19	15	19	12	20	14	24	12
Civil engineering	40	45	34	41	38	43	29	37	28
Electrical engineering	47	53	40	49	50	45	58	46	49
Mechanical engineering	21	28	19	26	17	19	19	15	16
Other engineering	94	99	99	111	148	154	164	160	175
Non-science and engineering	15,617	16,681	19,702	20,803	22,156	24,067	26,981	28,771	31,058
Education	7,242	7,664	8,937	8,889	9,549	10,376	11,424	12,076	12,972
Health	1,371	1,698	1,775	2,122	2,187	2,322	2,571	2,796	3,147
Humanities	582	617	648	691	678	789	752	800	844
Professional/other/unknown	6,422	6,702	8,342	9,101	9,742	10,580	12,234	13,099	14,095
HBCUs, all fields	3,054	3,152	3,421	3,405	3,307	3,397	3,705	3,736	3,894
Science and engineering	550	528	502	684	663	681	704	711	886
Science	523	491	482	650	633	646	671	683	863
Agricultural sciences	20	34	21	21	21	20	18	20	26
Biological sciences	56	43	52	74	54	47	63	65	51
Computer sciences	46	37	49	60	62	56	40	27	37
Earth, atmospheric, and ocean sciences	0	0	0	1	1	1	0	0	3
Mathematics	26	32	15	17	19	14	5	16	14
Physical sciences	30	20	18	19	16	22	19	12	17
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	23	16	9	12	12	14	16	8	7
Physics	7	4	7	7	4	8	3	4	10
Other physical sciences	0	0	2	0	0	0	0	0	0
Psychology	135	101	107	219	241	275	269	267	306
Social sciences	210	224	220	239	219	211	257	276	409
Engineering	27	37	20	34	30	35	33	28	23
Chemical engineering	0	0	0	3	3	3	3	3	0
Civil engineering	4	7	4	3	6	10	6	3	4
Electrical engineering	6	6	2	13	5	3	8	2	3
Mechanical engineering	4	6	1	2	4	4	7	1	2
Other engineering	13	18	13	13	12	15	9	19	14
Non-science and engineering	2,504	2,624	2,919	2,721	2,644	2,716	3,001	3,025	3,008
Education	1,511	1,550	1,720	1,525	1,411	1,482	1,568	1,566	1,618
Health	95	122	146	197	214	164	212	212	193
Humanities	50	61	50	43	54	61	46	63	61
Professional/other/unknown	848	891	1,003	956	965	1,009	1,175	1,184	1,136

TABLE 18. Master's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	16.5	16.2	14.9	13.8	12.7	12.0	11.7	11.1	10.8
Science and engineering	19.1	18.7	15.2	17.7	17.2	16.0	14.6	14.5	17.5
Science	19.6	19.0	15.6	18.0	17.6	16.3	14.8	14.7	18.1
Agricultural sciences	50.0	57.6	44.7	41.2	42.9	30.8	30.5	33.9	42.6
Biological sciences	33.5	35.2	34.7	33.5	27.0	24.7	23.3	23.3	18.3
Computer sciences	25.3	22.8	19.2	19.4	21.1	15.4	9.9	9.4	11.7
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	10.0	16.7	11.1	0.0	0.0	14.3
Mathematics	32.9	41.6	28.8	35.4	29.7	28.6	9.6	26.7	17.9
Physical sciences	46.2	33.3	33.3	32.2	24.6	42.3	28.4	22.2	23.6
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	51.1	43.2	22.5	28.6	25.5	35.0	29.6	21.1	14.3
Physics	53.8	40.0	77.8	53.8	33.3	88.9	30.0	36.4	58.8
Other physical sciences	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	16.6	13.2	10.3	16.9	18.7	18.9	17.2	15.2	18.6
Social sciences	16.0	16.8	14.8	14.8	13.5	11.9	12.3	13.0	17.7
Engineering	12.0	15.2	9.7	13.8	11.3	12.5	11.6	9.9	8.2
Chemical engineering	0.0	0.0	0.0	15.8	25.0	15.0	21.4	12.5	0.0
Civil engineering	10.0	15.6	11.8	7.3	15.8	23.3	20.7	8.1	14.3
Electrical engineering	12.8	11.3	5.0	26.5	10.0	6.7	13.8	4.3	6.1
Mechanical engineering	19.0	21.4	5.3	7.7	23.5	21.1	36.8	6.7	12.5
Other engineering	13.8	18.2	13.1	11.7	8.1	9.7	5.5	11.9	8.0
Non-science and engineering	16.0	15.7	14.8	13.1	11.9	11.3	11.1	10.5	9.7
Education	20.9	20.2	19.2	17.2	14.8	14.3	13.7	13.0	12.5
Health	6.9	7.2	8.2	9.3	9.8	7.1	8.2	7.6	6.1
Humanities	8.6	9.9	7.7	6.2	8.0	7.7	6.1	7.9	7.2
Professional/other/unknown	13.2	13.3	12.0	10.5	9.9	9.5	9.6	9.0	8.1

HBCUs = historically black colleges and universities.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 19. Doctoral degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, 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
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
Mechanical engineering	12	13	12	18	17	17	9	17	11	15
Other engineering	29	33	39	28	25	27	29	27	35	41
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
HBCUs, all fields	115	155	160	156	184	163	184	217	212	211
Science and engineering	61	66	70	66	74	72	78	93	78	90
Science	60	61	66	64	69	65	70	78	70	72
Agricultural sciences	3	2	5	2	2	1	4	3	3	4
Biological sciences	19	24	22	17	24	16	20	27	36	30
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	0	0	0	0	0	0	1	0	0	1
Mathematics	2	2	0	1	2	2	1	0	2	1
Physical sciences	8	4	7	12	9	7	8	7	4	1
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	3	2	5	6	3	3	5	5	2	1
Physics	5	2	2	6	6	4	3	2	2	0
Psychology	13	12	15	14	14	19	14	25	10	9
Social sciences	15	17	17	18	18	20	22	16	15	26
Engineering	1	5	4	2	5	7	8	15	8	18
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	1	0	0	0	4
Electrical engineering	1	4	4	2	2	4	5	7	3	5
Mechanical engineering	0	1	0	0	3	2	1	5	1	4
Other engineering	0	0	0	0	0	0	2	3	4	5
Non-science and engineering	54	89	90	90	110	91	106	124	134	121
Education	37	67	68	74	81	64	77	80	96	85
Health	5	5	3	1	1	5	6	12	15	10
Humanities	4	5	9	7	7	6	5	12	10	12
Professional/other/unknown	8	12	10	8	21	16	18	20	13	14

TABLE 19. Doctoral degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	7.8	9.7	9.1	8.9	10.6	9.3	10.2	10.9	11.8	11.8
Science and engineering	9.9	10.3	9.8	9.3	10.5	10.5	11.7	12.4	11.0	12.1
Science	11.6	10.9	10.7	10.2	11.3	10.8	11.9	11.9	11.6	11.3
Agricultural sciences	11.5	9.5	18.5	9.1	14.3	7.7	18.2	15.0	18.8	16.7
Biological sciences	17.0	21.6	19.0	14.4	17.3	12.8	18.5	18.1	22.6	20.3
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	20.0
Mathematics	28.6	12.5	0.0	7.1	10.5	14.3	6.3	0.0	9.1	5.0
Physical sciences	15.7	7.1	10.6	19.7	16.4	10.4	14.5	11.7	7.3	2.1
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	8.6	4.4	8.9	13.6	7.1	6.8	11.9	10.6	4.9	2.9
Physics	35.7	20.0	25.0	37.5	50.0	18.2	25.0	15.4	16.7	0.0
Psychology	8.6	7.6	8.7	7.4	8.0	11.2	8.3	12.1	6.1	5.1
Social sciences	9.4	9.4	8.7	8.9	9.5	10.4	11.8	8.5	8.9	12.9
Engineering	1.0	6.2	4.1	2.5	5.4	8.2	10.4	16.0	8.0	17.5
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil engineering	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	28.6
Electrical engineering	3.2	17.4	13.3	9.5	9.1	25.0	23.8	21.2	9.7	25.0
Mechanical engineering	0.0	7.7	0.0	0.0	17.6	11.8	11.1	29.4	9.1	26.7
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	6.9	11.1	11.4	12.2
Non-science and engineering	6.3	9.3	8.6	8.7	10.7	8.5	9.3	10.1	12.3	11.5
Education	6.7	10.2	9.9	10.6	12.1	9.2	10.1	10.1	14.1	13.4
Health	9.1	7.7	5.3	1.3	1.6	6.8	7.7	11.2	12.3	8.0
Humanities	2.8	3.6	5.5	4.4	4.2	3.8	3.2	7.1	6.0	7.5
Professional/other/unknown	7.3	11.9	7.2	7.1	16.8	11.3	12.6	12.4	10.8	10.9

HBCUs = historically black colleges and universities.

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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

TABLE 20. Doctoral degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, 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
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
Mechanical engineering	11	13	11	13	16	13	8	14	11	10
Other engineering	17	18	27	17	12	17	20	15	28	20
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
HBCUs, all fields	51	56	64	54	85	60	55	81	67	74
Science and engineering	33	33	39	31	43	31	34	42	33	33
Science	32	28	35	30	38	24	29	33	27	26
Agricultural sciences	1	1	3	0	2	1	3	1	1	2
Biological sciences	7	9	11	4	8	5	5	9	12	10
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	0	0	0	0	0	0	0	0	0	0
Mathematics	0	2	0	0	2	0	1	0	0	1
Physical sciences	8	3	5	11	7	3	2	7	3	0
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	3	1	5	5	2	1	2	5	1	0
Physics	5	2	0	6	5	2	0	2	2	0
Psychology	5	3	4	3	5	4	6	7	3	1
Social sciences	11	10	12	12	14	11	12	9	8	12
Engineering	1	5	4	1	5	7	5	9	6	7
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	1	0	0	0	2
Electrical engineering	1	4	4	1	2	4	3	3	1	3
Mechanical engineering	0	1	0	0	3	2	1	5	1	1
Other engineering	0	0	0	0	0	0	1	1	4	1
Non-science and engineering	18	23	25	23	42	29	21	39	34	41
Education	11	19	17	18	31	22	15	27	20	29
Health	0	1	0	1	0	0	0	1	7	2
Humanities	3	1	3	2	3	3	2	5	4	6
Professional/other/unknown	4	2	5	2	8	4	4	6	3	4

TABLE 20. Doctoral degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	8.0	9.2	9.1	8.4	12.6	8.9	8.4	11.3	10.1	11.2
Science and engineering	10.0	11.3	11.2	9.7	13.1	9.8	11.9	12.8	10.6	10.8
Science	12.6	12.0	12.8	11.5	14.6	9.3	12.7	12.3	11.4	10.7
Agricultural sciences	5.0	6.3	16.7	0.0	25.0	12.5	21.4	11.1	25.0	12.5
Biological sciences	13.5	22.0	22.0	9.1	14.5	8.8	11.4	15.0	20.7	17.5
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mathematics	0.0	22.2	0.0	0.0	16.7	0.0	9.1	0.0	0.0	8.3
Physical sciences	20.0	12.0	13.5	27.5	20.0	7.7	5.6	20.0	7.9	0.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	11.5	5.9	15.2	20.0	8.7	4.5	7.1	18.5	3.8	0.0
Physics	38.5	28.6	0.0	40.0	45.5	11.8	0.0	25.0	20.0	0.0
Psychology	12.2	7.0	10.8	6.7	10.0	9.5	14.0	14.0	7.7	2.9
Social sciences	12.5	11.2	11.0	12.1	15.1	12.0	19.4	10.0	11.3	14.6
Engineering	1.3	8.5	5.4	1.8	7.5	12.3	8.6	15.0	8.1	11.5
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil engineering	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	20.0
Electrical engineering	3.7	21.1	16.0	5.3	9.5	33.3	17.6	12.5	4.0	20.0
Mechanical engineering	0.0	7.7	0.0	0.0	18.8	15.4	12.5	35.7	9.1	10.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.7	14.3	5.0
Non-science and engineering	5.9	7.3	7.1	7.1	12.1	8.1	5.7	10.1	9.7	11.6
Education	6.4	9.9	8.4	9.6	14.7	10.4	6.4	11.5	10.3	14.0
Health	0.0	7.1	0.0	7.1	0.0	0.0	0.0	3.8	22.6	7.7
Humanities	4.4	1.5	4.3	2.9	4.6	4.1	3.3	7.0	4.9	8.1
Professional/other/unknown	7.5	4.5	7.2	3.8	13.3	6.7	7.3	10.9	6.8	8.7

HBCUs = historically black colleges and universities.

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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

TABLE 21. Doctoral degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, 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
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
Mechanical engineering	1	0	1	5	1	4	1	3	0	5
Other engineering	12	15	12	11	13	10	9	12	7	21
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
HBCUs, all fields	64	99	96	102	99	103	129	136	145	137
Science and engineering	28	33	31	35	31	41	44	51	45	57
Science	28	33	31	34	31	41	41	45	43	46
Agricultural sciences	2	1	2	2	0	0	1	2	2	2
Biological sciences	12	15	11	13	16	11	15	18	24	20
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	0	0	0	0	0	0	1	0	0	1
Mathematics	2	0	0	1	0	2	0	0	2	0
Physical sciences	0	1	2	1	2	4	6	0	1	1
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	0	1	0	1	1	2	3	0	1	1
Physics	0	0	2	0	1	2	3	0	0	0
Psychology	8	9	11	11	9	15	8	18	7	8
Social sciences	4	7	5	6	4	9	10	7	7	14
Engineering	0	0	0	1	0	0	3	6	2	11
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	0	0	0	0	2
Electrical engineering	0	0	0	1	0	0	2	4	2	2
Mechanical engineering	0	0	0	0	0	0	0	0	0	3
Other engineering	0	0	0	0	0	0	1	2	0	4
Non-science and engineering	36	66	65	67	68	62	85	85	100	80
Education	26	48	51	56	50	42	62	53	76	56
Health	5	4	3	0	1	5	6	11	8	8
Humanities	1	4	6	5	4	3	3	7	6	6
Professional/other/unknown	4	10	5	6	13	12	14	14	10	10

TABLE 21. Doctoral degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HBCUs, all fields (%)	7.6	10.0	9.0	9.2	9.4	9.5	11.3	10.7	12.8	12.1
Science and engineering	9.8	9.4	8.4	9.0	8.3	11.0	11.6	12.1	11.4	13.1
Science	10.6	10.0	9.0	9.3	8.9	11.9	11.4	11.6	11.7	11.7
Agricultural sciences	33.3	20.0	22.2	18.2	0.0	0.0	12.5	18.2	16.7	25.0
Biological sciences	20.0	21.4	16.7	17.6	19.0	16.2	23.4	20.2	23.8	22.0
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	50.0
Mathematics	100.0	0.0	0.0	14.3	0.0	25.0	0.0	0.0	28.6	0.0
Physical sciences	0.0	3.2	6.9	4.8	10.0	14.3	31.6	0.0	5.9	5.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	0.0	3.6	0.0	5.3	5.3	9.1	21.4	0.0	6.7	5.6
Physics	0.0	0.0	50.0	0.0	100.0	40.0	60.0	0.0	0.0	0.0
Psychology	7.2	7.8	8.1	7.6	7.3	11.7	6.3	11.5	5.6	5.7
Social sciences	5.6	7.6	5.8	5.8	4.1	9.0	8.0	7.1	7.1	11.7
Engineering	0.0	0.0	0.0	4.2	0.0	0.0	15.8	17.6	7.7	26.2
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Civil engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0
Electrical engineering	0.0	0.0	0.0	50.0	0.0	0.0	50.0	44.4	33.3	40.0
Mechanical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	11.1	16.7	0.0	19.0
Non-science and engineering	6.5	10.3	9.4	9.4	10.0	8.8	11.1	10.0	13.5	11.5
Education	6.8	10.4	10.5	11.0	10.9	8.7	11.8	9.4	15.6	13.1
Health	12.5	7.8	6.7	0.0	1.9	8.8	9.8	13.6	8.8	8.1
Humanities	1.4	5.6	6.4	5.7	3.9	3.4	3.2	7.1	6.9	7.0
Professional/other/unknown	7.0	17.5	7.2	10.2	20.0	14.8	15.9	13.2	13.2	12.0

HBCUs = historically black colleges and universities.

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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

TABLE 22. Bachelor's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	74,938	78,125	88,324	89,972	95,104	100,352	105,165	109,643	115,279
Science and engineering	24,445	25,712	27,984	28,321	29,871	32,331	33,437	35,202	36,402
Science	20,320	21,587	23,909	24,305	25,735	27,974	28,967	30,588	31,514
Agricultural sciences	559	631	634	607	662	686	673	710	648
Biological sciences	3,795	4,283	4,446	4,547	4,367	4,840	4,601	4,814	5,074
Computer sciences	1,327	1,473	2,155	2,354	2,714	3,445	3,535	3,179	2,909
Earth, atmospheric, and ocean sciences	113	118	127	157	136	119	131	151	143
Mathematics	560	604	599	625	672	669	676	815	871
Physical sciences	740	796	883	870	864	861	885	938	989
Astronomy	4	11	7	16	10	12	23	17	12
Chemistry	593	640	719	669	666	669	651	704	739
Physics	119	117	125	151	157	164	187	183	206
Other physical sciences	24	28	32	34	31	16	24	34	32
Psychology	5,282	5,509	6,127	6,178	6,692	6,807	7,252	7,654	8,143
Social sciences	7,944	8,173	8,938	8,967	9,628	10,547	11,214	12,327	12,737
Engineering	4,125	4,125	4,075	4,016	4,136	4,357	4,470	4,614	4,888
Chemical engineering	379	393	380	341	353	320	313	333	345
Civil engineering	874	920	762	742	761	798	836	888	952
Electrical engineering	1,123	1,070	1,283	1,302	1,411	1,428	1,551	1,521	1,528
Mechanical engineering	832	866	846	880	819	950	935	962	1,049
Other engineering	917	876	804	751	792	861	835	910	1,014
Non-science and engineering	50,493	52,413	60,340	61,651	65,233	68,021	71,728	74,441	78,877
Education	6,430	6,687	7,647	7,349	7,644	7,920	8,416	8,565	9,413
Health	3,474	3,731	4,003	4,044	4,170	4,188	4,482	4,737	5,401
Humanities	8,285	9,193	10,065	10,426	11,069	11,857	12,232	13,293	14,117
Professional/other/unknown	32,304	32,802	38,625	39,832	42,350	44,056	46,598	47,846	49,946
Institutions in Puerto Rico, all fields	14,093	13,905	16,147	15,738	16,451	16,677	17,334	16,641	17,117
Science and engineering	3,857	3,870	4,198	4,234	4,255	4,623	4,264	4,106	4,178
Science	2,732	2,899	3,229	3,234	3,208	3,540	3,197	3,026	3,132
Agricultural sciences	91	117	118	126	151	134	131	119	115
Biological sciences	1,021	1,159	1,226	1,324	1,237	1,276	1,018	877	932
Computer sciences	202	248	282	241	282	467	461	457	500
Earth, atmospheric, and ocean sciences	12	12	13	17	10	6	19	6	14
Mathematics	27	20	34	20	27	34	32	36	27
Physical sciences	291	302	368	321	319	283	279	272	291
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	272	285	342	286	301	267	255	250	257
Physics	17	16	20	29	14	15	22	17	25
Other physical sciences	2	1	6	6	4	1	2	5	9
Psychology	480	464	587	606	634	670	681	664	690
Social sciences	608	577	601	579	548	670	576	595	563
Engineering	1,125	971	969	1,000	1,047	1,083	1,067	1,080	1,046
Chemical engineering	131	133	115	88	102	113	90	90	129
Civil engineering	254	225	210	270	259	286	271	293	255
Electrical engineering	279	223	257	282	359	331	380	334	336
Mechanical engineering	225	206	214	215	164	209	179	202	198
Other engineering	236	184	173	145	163	144	147	161	128
Non-science and engineering	10,236	10,035	11,949	11,504	12,196	12,054	13,070	12,535	12,939
Education	1,921	1,881	2,296	2,150	2,248	2,367	2,785	2,905	3,275
Health	723	869	1,003	938	964	933	969	872	982
Humanities	359	338	387	400	432	507	470	532	534
Professional/other/unknown	7,233	6,947	8,263	8,016	8,552	8,247	8,846	8,226	8,148

TABLE 22. Bachelor's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	18.8	17.8	18.3	17.5	17.3	16.6	16.5	15.2	14.8
Science and engineering	15.8	15.1	15.0	15.0	14.2	14.3	12.8	11.7	11.5
Science	13.4	13.4	13.5	13.3	12.5	12.7	11.0	9.9	9.9
Agricultural sciences	16.3	18.5	18.6	20.8	22.8	19.5	19.5	16.8	17.7
Biological sciences	26.9	27.1	27.6	29.1	28.3	26.4	22.1	18.2	18.4
Computer sciences	15.2	16.8	13.1	10.2	10.4	13.6	13.0	14.4	17.2
Earth, atmospheric, and ocean sciences	10.6	10.2	10.2	10.8	7.4	5.0	14.5	4.0	9.8
Mathematics	4.8	3.3	5.7	3.2	4.0	5.1	4.7	4.4	3.1
Physical sciences	39.3	37.9	41.7	36.9	36.9	32.9	31.5	29.0	29.4
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	45.9	44.5	47.6	42.8	45.2	39.9	39.2	35.5	34.8
Physics	14.3	13.7	16.0	19.2	8.9	9.1	11.8	9.3	12.1
Other physical sciences	8.3	3.6	18.8	17.6	12.9	6.3	8.3	14.7	28.1
Psychology	9.1	8.4	9.6	9.8	9.5	9.8	9.4	8.7	8.5
Social sciences	7.7	7.1	6.7	6.5	5.7	6.4	5.1	4.8	4.4
Engineering	27.3	23.5	23.8	24.9	25.3	24.9	23.9	23.4	21.4
Chemical engineering	34.6	33.8	30.3	25.8	28.9	35.3	28.8	27.0	37.4
Civil engineering	29.1	24.5	27.6	36.4	34.0	35.8	32.4	33.0	26.8
Electrical engineering	24.8	20.8	20.0	21.7	25.4	23.2	24.5	22.0	22.0
Mechanical engineering	27.0	23.8	25.3	24.4	20.0	22.0	19.1	21.0	18.9
Other engineering	25.7	21.0	21.5	19.3	20.6	16.7	17.6	17.7	12.6
Non-science and engineering	20.3	19.1	19.8	18.7	18.7	17.7	18.2	16.8	16.4
Education	29.9	28.1	30.0	29.3	29.4	29.9	33.1	33.9	34.8
Health	20.8	23.3	25.1	23.2	23.1	22.3	21.6	18.4	18.2
Humanities	4.3	3.7	3.8	3.8	3.9	4.3	3.8	4.0	3.8
Professional/other/unknown	22.4	21.2	21.4	20.1	20.2	18.7	19.0	17.2	16.3

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 23. Bachelor's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997-2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	30,550	31,716	34,657	35,305	36,747	38,512	40,347	41,509	43,441
Science and engineering	11,500	11,968	12,524	12,741	13,121	14,221	14,653	15,280	15,883
Science	8,304	8,789	9,437	9,687	10,040	10,924	11,291	11,821	12,161
Agricultural sciences	295	318	315	297	305	300	294	294	254
Biological sciences	1,599	1,823	1,736	1,756	1,619	1,723	1,586	1,664	1,827
Computer sciences	890	961	1,460	1,628	1,878	2,342	2,526	2,328	2,212
Earth, atmospheric, and ocean sciences	59	62	74	74	84	68	69	72	73
Mathematics	326	318	326	330	340	372	368	468	480
Physical sciences	409	412	431	456	427	449	435	453	476
Astronomy	1	9	5	9	8	5	17	9	7
Chemistry	293	288	315	312	283	304	260	287	298
Physics	97	95	94	118	125	130	141	140	158
Other physical sciences	18	20	17	17	11	10	17	17	13
Psychology	1,285	1,382	1,428	1,396	1,562	1,486	1,592	1,700	1,758
Social sciences	3,441	3,513	3,667	3,750	3,825	4,184	4,421	4,842	5,081
Engineering	3,196	3,179	3,087	3,054	3,081	3,297	3,362	3,459	3,722
Chemical engineering	226	221	214	184	200	181	175	186	171
Civil engineering	661	708	564	544	544	569	603	636	697
Electrical engineering	944	904	1,085	1,096	1,164	1,184	1,258	1,281	1,282
Mechanical engineering	727	714	715	741	681	794	791	782	885
Other engineering	638	632	509	489	492	569	535	574	687
Non-science and engineering	19,050	19,748	22,133	22,564	23,626	24,291	25,694	26,229	27,558
Education	1,681	1,710	2,009	1,882	1,970	2,062	2,139	2,120	2,310
Health	711	793	713	752	755	717	800	794	939
Humanities	3,449	3,843	4,120	4,199	4,427	4,699	4,993	5,363	5,540
Professional/other/unknown	13,209	13,402	15,291	15,731	16,474	16,813	17,762	17,952	18,769
Institutions in Puerto Rico, all fields	4,948	4,770	5,522	5,455	5,639	5,692	5,984	5,586	5,757
Science and engineering	1,785	1,745	1,818	1,792	1,774	2,025	1,917	1,821	1,888
Science	994	1,047	1,134	1,097	1,084	1,258	1,156	1,082	1,171
Agricultural sciences	52	61	63	65	74	53	67	54	59
Biological sciences	331	385	394	386	368	365	286	238	272
Computer sciences	123	136	189	157	191	295	303	291	338
Earth, atmospheric, and ocean sciences	8	8	8	9	4	6	9	2	5
Mathematics	17	12	21	13	11	22	20	18	22
Physical sciences	126	115	124	114	105	95	82	92	85
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	110	101	106	91	93	83	68	74	68
Physics	15	13	16	19	11	11	12	14	12
Other physical sciences	1	1	2	4	1	1	2	4	5
Psychology	93	97	111	130	121	141	152	134	149
Social sciences	244	233	224	223	210	281	237	253	241
Engineering	791	698	684	695	690	767	761	739	717
Chemical engineering	67	68	52	29	40	49	37	34	45
Civil engineering	184	168	157	201	176	194	209	209	185
Electrical engineering	223	180	217	221	279	268	292	268	258
Mechanical engineering	191	174	180	179	128	179	152	156	165
Other engineering	126	108	78	65	67	77	71	72	64
Non-science and engineering	3,163	3,025	3,704	3,663	3,865	3,667	4,067	3,765	3,869
Education	422	377	551	490	506	537	632	656	715
Health	119	144	155	125	128	134	155	114	142
Humanities	162	169	157	165	199	214	230	272	238
Professional/other/unknown	2,460	2,335	2,841	2,883	3,032	2,782	3,050	2,723	2,774

TABLE 23. Bachelor's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	16.2	15.0	15.9	15.5	15.3	14.8	14.8	13.5	13.3
Science and engineering	15.5	14.6	14.5	14.1	13.5	14.2	13.1	11.9	11.9
Science	12.0	11.9	12.0	11.3	10.8	11.5	10.2	9.2	9.6
Agricultural sciences	17.6	19.2	20.0	21.9	24.3	17.7	22.8	18.4	23.2
Biological sciences	20.7	21.1	22.7	22.0	22.7	21.2	18.0	14.3	14.9
Computer sciences	13.8	14.2	12.9	9.6	10.2	12.6	12.0	12.5	15.3
Earth, atmospheric, and ocean sciences	13.6	12.9	10.8	12.2	4.8	8.8	13.0	2.8	6.8
Mathematics	5.2	3.8	6.4	3.9	3.2	5.9	5.4	3.8	4.6
Physical sciences	30.8	27.9	28.8	25.0	24.6	21.2	18.9	20.3	17.9
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	37.5	35.1	33.7	29.2	32.9	27.3	26.2	25.8	22.8
Physics	15.5	13.7	17.0	16.1	8.8	8.5	8.5	10.0	7.6
Other physical sciences	5.6	5.0	11.8	23.5	9.1	10.0	11.8	23.5	38.5
Psychology	7.2	7.0	7.8	9.3	7.7	9.5	9.5	7.9	8.5
Social sciences	7.1	6.6	6.1	5.9	5.5	6.7	5.4	5.2	4.7
Engineering	24.7	22.0	22.2	22.8	22.4	23.3	22.6	21.4	19.3
Chemical engineering	29.6	30.8	24.3	15.8	20.0	27.1	21.1	18.3	26.3
Civil engineering	27.8	23.7	27.8	36.9	32.4	34.1	34.7	32.9	26.5
Electrical engineering	23.6	19.9	20.0	20.2	24.0	22.6	23.2	20.9	20.1
Mechanical engineering	26.3	24.4	25.2	24.2	18.8	22.5	19.2	19.9	18.6
Other engineering	19.7	17.1	15.3	13.3	13.6	13.5	13.3	12.5	9.3
Non-science and engineering	16.6	15.3	16.7	16.2	16.4	15.1	15.8	14.4	14.0
Education	25.1	22.0	27.4	26.0	25.7	26.0	29.5	30.9	31.0
Health	16.7	18.2	21.7	16.6	17.0	18.7	19.4	14.4	15.1
Humanities	4.7	4.4	3.8	3.9	4.5	4.6	4.6	5.1	4.3
Professional/other/unknown	18.6	17.4	18.6	18.3	18.4	16.5	17.2	15.2	14.8

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 24. Bachelor's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	44,388	46,409	53,667	54,667	58,357	61,840	64,818	68,134	71,838
Science and engineering	12,945	13,744	15,460	15,580	16,750	18,110	18,784	19,922	20,519
Science	12,016	12,798	14,472	14,618	15,695	17,050	17,676	18,767	19,353
Agricultural sciences	264	313	319	310	357	386	379	416	394
Biological sciences	2,196	2,460	2,710	2,791	2,748	3,117	3,015	3,150	3,247
Computer sciences	437	512	695	726	836	1,103	1,009	851	697
Earth, atmospheric, and ocean sciences	54	56	53	83	52	51	62	79	70
Mathematics	234	286	273	295	332	297	308	347	391
Physical sciences	331	384	452	414	437	412	450	485	513
Astronomy	3	2	2	7	2	7	6	8	5
Chemistry	300	352	404	357	383	365	391	417	441
Physics	22	22	31	33	32	34	46	43	48
Other physical sciences	6	8	15	17	20	6	7	17	19
Psychology	3,997	4,127	4,699	4,782	5,130	5,321	5,660	5,954	6,385
Social sciences	4,503	4,660	5,271	5,217	5,803	6,363	6,793	7,485	7,656
Engineering	929	946	988	962	1,055	1,060	1,108	1,155	1,166
Chemical engineering	153	172	166	157	153	139	138	147	174
Civil engineering	213	212	198	198	217	229	233	252	255
Electrical engineering	179	166	198	206	247	244	293	240	246
Mechanical engineering	105	152	131	139	138	156	144	180	164
Other engineering	279	244	295	262	300	292	300	336	327
Non-science and engineering	31,443	32,665	38,207	39,087	41,607	43,730	46,034	48,212	51,319
Education	4,749	4,977	5,638	5,467	5,674	5,858	6,277	6,445	7,103
Health	2,763	2,938	3,290	3,292	3,415	3,471	3,682	3,943	4,462
Humanities	4,836	5,350	5,945	6,227	6,642	7,158	7,239	7,930	8,577
Professional/other/unknown	19,095	19,400	23,334	24,101	25,876	27,243	28,836	29,894	31,177
Institutions in Puerto Rico, all fields	9,145	9,135	10,625	10,283	10,812	10,985	11,350	11,055	11,360
Science and engineering	2,072	2,125	2,380	2,442	2,481	2,598	2,347	2,285	2,290
Science	1,738	1,852	2,095	2,137	2,124	2,282	2,041	1,944	1,961
Agricultural sciences	39	56	55	61	77	81	64	65	56
Biological sciences	690	774	832	938	869	911	732	639	660
Computer sciences	79	112	93	84	91	172	158	166	162
Earth, atmospheric, and ocean sciences	4	4	5	8	6	0	10	4	9
Mathematics	10	8	13	7	16	12	12	18	5
Physical sciences	165	187	244	207	214	188	197	180	206
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	162	184	236	195	208	184	187	176	189
Physics	2	3	4	10	3	4	10	3	13
Other physical sciences	1	0	4	2	3	0	0	1	4
Psychology	387	367	476	476	513	529	529	530	541
Social sciences	364	344	377	356	338	389	339	342	322
Engineering	334	273	285	305	357	316	306	341	329
Chemical engineering	64	65	63	59	62	64	53	56	84
Civil engineering	70	57	53	69	83	92	62	84	70
Electrical engineering	56	43	40	61	80	63	88	66	78
Mechanical engineering	34	32	34	36	36	30	27	46	33
Other engineering	110	76	95	80	96	67	76	89	64
Non-science and engineering	7,073	7,010	8,245	7,841	8,331	8,387	9,003	8,770	9,070
Education	1,499	1,504	1,745	1,660	1,742	1,830	2,153	2,249	2,560
Health	604	725	848	813	836	799	814	758	840
Humanities	197	169	230	235	233	293	240	260	296
Professional/other/unknown	4,773	4,612	5,422	5,133	5,520	5,465	5,796	5,503	5,374

TABLE 24. Bachelor's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	20.6	19.7	19.8	18.8	18.5	17.8	17.5	16.2	15.8
Science and engineering	16.0	15.5	15.4	15.7	14.8	14.3	12.5	11.5	11.2
Science	14.5	14.5	14.5	14.6	13.5	13.4	11.5	10.4	10.1
Agricultural sciences	14.8	17.9	17.2	19.7	21.6	21.0	16.9	15.6	14.2
Biological sciences	31.4	31.5	30.7	33.6	31.6	29.2	24.3	20.3	20.3
Computer sciences	18.1	21.9	13.4	11.6	10.9	15.6	15.7	19.5	23.2
Earth, atmospheric, and ocean sciences	7.4	7.1	9.4	9.6	11.5	0.0	16.1	5.1	12.9
Mathematics	4.3	2.8	4.8	2.4	4.8	4.0	3.9	5.2	1.3
Physical sciences	49.8	48.7	54.0	50.0	49.0	45.6	43.8	37.1	40.2
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	54.0	52.3	58.4	54.6	54.3	50.4	47.8	42.2	42.9
Physics	9.1	13.6	12.9	30.3	9.4	11.8	21.7	7.0	27.1
Other physical sciences	16.7	0.0	26.7	11.8	15.0	0.0	0.0	5.9	21.1
Psychology	9.7	8.9	10.1	10.0	10.0	9.9	9.3	8.9	8.5
Social sciences	8.1	7.4	7.2	6.8	5.8	6.1	5.0	4.6	4.2
Engineering	36.0	28.9	28.8	31.7	33.8	29.8	27.6	29.5	28.2
Chemical engineering	41.8	37.8	38.0	37.6	40.5	46.0	38.4	38.1	48.3
Civil engineering	32.9	26.9	26.8	34.8	38.2	40.2	26.6	33.3	27.5
Electrical engineering	31.3	25.9	20.2	29.6	32.4	25.8	30.0	27.5	31.7
Mechanical engineering	32.4	21.1	26.0	25.9	26.1	19.2	18.8	25.6	20.1
Other engineering	39.4	31.1	32.2	30.5	32.0	22.9	25.3	26.5	19.6
Non-science and engineering	22.5	21.5	21.6	20.1	20.0	19.2	19.6	18.2	17.7
Education	31.6	30.2	31.0	30.4	30.7	31.2	34.3	34.9	36.0
Health	21.9	24.7	25.8	24.7	24.5	23.0	22.1	19.2	18.8
Humanities	4.1	3.2	3.9	3.8	3.5	4.1	3.3	3.3	3.5
Professional/other/unknown	25.0	23.8	23.2	21.3	21.3	20.1	20.1	18.4	17.2

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 25. Master's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	16,360	17,416	20,803	22,163	23,165	25,257	29,498	31,815	33,368
Science and engineering	3,220	3,462	3,746	4,077	4,089	4,381	5,078	5,365	5,651
Science	2,455	2,655	2,894	3,239	3,234	3,505	3,948	4,213	4,551
Agricultural sciences	105	116	133	123	175	132	171	185	196
Biological sciences	214	192	268	310	267	267	330	359	371
Computer sciences	211	219	288	440	333	555	602	462	480
Earth, atmospheric, and ocean sciences	23	20	30	28	35	28	36	47	55
Mathematics	63	85	100	72	82	108	113	130	165
Physical sciences	116	129	96	119	136	144	127	144	171
Astronomy	2	0	2	1	2	2	3	2	6
Chemistry	72	84	56	74	72	90	70	84	107
Physics	36	35	34	37	56	41	44	53	57
Other physical sciences	6	10	4	7	6	11	10	5	1
Psychology	718	787	837	937	953	957	1,085	1,219	1,316
Social sciences	1,005	1,107	1,142	1,210	1,253	1,314	1,484	1,667	1,797
Engineering	765	807	852	838	855	876	1,130	1,152	1,100
Chemical engineering	51	46	39	40	45	39	40	41	49
Civil engineering	159	158	180	168	187	152	163	208	185
Electrical engineering	187	190	211	172	180	242	340	276	281
Mechanical engineering	113	117	99	93	87	117	157	153	155
Other engineering	255	296	323	365	356	326	430	474	430
Non-science and engineering	13,140	13,954	17,057	18,086	19,076	20,876	24,420	26,450	27,717
Education	5,239	5,567	6,896	7,393	8,057	8,969	10,925	11,820	12,072
Health	1,018	1,320	1,397	1,594	1,626	1,667	1,835	2,046	2,226
Humanities	1,033	1,119	1,182	1,107	1,209	1,279	1,444	1,589	1,669
Professional/other/unknown	5,850	5,948	7,582	7,992	8,184	8,961	10,216	10,995	11,750
Institutions in Puerto Rico, all fields	1,544	1,693	2,527	2,344	2,724	2,823	3,270	3,883	4,845
Science and engineering	372	399	598	583	605	579	708	675	858
Science	289	293	470	425	467	494	552	531	703
Agricultural sciences	28	31	40	42	76	43	69	65	65
Biological sciences	31	23	30	38	21	25	33	41	58
Computer sciences	9	12	41	49	56	87	65	73	83
Earth, atmospheric, and ocean sciences	0	0	3	3	2	1	2	5	2
Mathematics	7	6	10	2	4	10	8	10	28
Physical sciences	33	37	33	35	31	42	31	27	36
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	28	32	21	24	22	27	19	18	29
Physics	1	1	12	11	9	15	12	9	7
Other physical sciences	4	4	0	0	0	0	0	0	0
Psychology	119	126	192	174	189	178	267	210	330
Social sciences	62	58	121	82	88	108	77	100	101
Engineering	83	106	128	158	138	85	156	144	155
Chemical engineering	17	17	14	12	11	8	7	5	8
Civil engineering	6	6	19	20	24	18	17	29	23
Electrical engineering	13	13	15	22	8	30	46	27	40
Mechanical engineering	10	10	6	12	4	17	16	10	11
Other engineering	37	60	74	92	91	12	70	73	73
Non-science and engineering	1,172	1,294	1,929	1,761	2,119	2,244	2,562	3,208	3,987
Education	349	338	685	527	733	824	922	1,492	1,840
Health	146	241	220	221	238	223	213	237	250
Humanities	44	49	32	49	54	54	100	92	133
Professional/other/unknown	633	666	992	964	1,094	1,143	1,327	1,387	1,764

TABLE 25. Master's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	9.4	9.7	12.1	10.6	11.8	11.2	11.1	12.2	14.5
Science and engineering	11.6	11.5	16.0	14.3	14.8	13.2	13.9	12.6	15.2
Science	11.8	11.0	16.2	13.1	14.4	14.1	14.0	12.6	15.4
Agricultural sciences	26.7	26.7	30.1	34.1	43.4	32.6	40.4	35.1	33.2
Biological sciences	14.5	12.0	11.2	12.3	7.9	9.4	10.0	11.4	15.6
Computer sciences	4.3	5.5	14.2	11.1	16.8	15.7	10.8	15.8	17.3
Earth, atmospheric, and ocean sciences	0.0	0.0	10.0	10.7	5.7	3.6	5.6	10.6	3.6
Mathematics	11.1	7.1	10.0	2.8	4.9	9.3	7.1	7.7	17.0
Physical sciences	28.4	28.7	34.4	29.4	22.8	29.2	24.4	18.8	21.1
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	38.9	38.1	37.5	32.4	30.6	30.0	27.1	21.4	27.1
Physics	2.8	2.9	35.3	29.7	16.1	36.6	27.3	17.0	12.3
Other physical sciences	66.7	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	16.6	16.0	22.9	18.6	19.8	18.6	24.6	17.2	25.1
Social sciences	6.2	5.2	10.6	6.8	7.0	8.2	5.2	6.0	5.6
Engineering	10.8	13.1	15.0	18.9	16.1	9.7	13.8	12.5	14.1
Chemical engineering	33.3	37.0	35.9	30.0	24.4	20.5	17.5	12.2	16.3
Civil engineering	3.8	3.8	10.6	11.9	12.8	11.8	10.4	13.9	12.4
Electrical engineering	7.0	6.8	7.1	12.8	4.4	12.4	13.5	9.8	14.2
Mechanical engineering	8.8	8.5	6.1	12.9	4.6	14.5	10.2	6.5	7.1
Other engineering	14.5	20.3	22.9	25.2	25.6	3.7	16.3	15.4	17.0
Non-science and engineering	8.9	9.3	11.3	9.7	11.1	10.7	10.5	12.1	14.4
Education	6.7	6.1	9.9	7.1	9.1	9.2	8.4	12.6	15.2
Health	14.3	18.3	15.7	13.9	14.6	13.4	11.6	11.6	11.2
Humanities	4.3	4.4	2.7	4.4	4.5	4.2	6.9	5.8	8.0
Professional/other/unknown	10.8	11.2	13.1	12.1	13.4	12.8	13.0	12.6	15.0

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 26. Master's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	6,466	6,848	8,004	8,238	8,429	9,117	10,432	10,974	11,385
Science and engineering	1,718	1,795	1,910	1,958	1,973	2,112	2,419	2,526	2,582
Science	1,129	1,166	1,259	1,341	1,370	1,462	1,599	1,689	1,763
Agricultural sciences	51	58	59	49	90	45	73	78	76
Biological sciences	110	97	122	142	126	107	153	130	167
Computer sciences	152	142	199	284	228	366	391	335	341
Earth, atmospheric, and ocean sciences	15	12	18	10	16	21	20	21	27
Mathematics	46	46	59	40	52	67	64	70	107
Physical sciences	71	75	59	80	84	86	73	88	95
Astronomy	0	0	2	1	2	0	2	1	3
Chemistry	39	42	27	44	39	47	33	45	45
Physics	27	30	28	33	40	34	34	40	46
Other physical sciences	5	3	2	2	3	5	4	2	1
Psychology	200	209	230	236	237	221	222	268	272
Social sciences	484	527	513	500	537	549	603	699	678
Engineering	589	629	651	617	603	650	820	837	819
Chemical engineering	32	28	24	25	27	24	24	22	26
Civil engineering	123	116	121	117	129	101	102	135	131
Electrical engineering	162	162	177	147	134	207	265	223	239
Mechanical engineering	93	102	87	73	76	100	133	128	126
Other engineering	179	221	242	255	237	218	296	329	297
Non-science and engineering	4,748	5,053	6,094	6,280	6,456	7,005	8,013	8,448	8,803
Education	1,294	1,407	1,632	1,735	1,893	2,086	2,467	2,577	2,641
Health	221	343	358	376	388	386	426	455	500
Humanities	481	514	537	503	527	532	629	676	709
Professional/other/unknown	2,752	2,789	3,567	3,666	3,648	4,001	4,491	4,740	4,953
Institutions in Puerto Rico, all fields	531	574	832	778	870	924	1,009	1,090	1,329
Science and engineering	155	178	260	264	245	259	273	277	321
Science	99	102	167	152	158	197	177	184	220
Agricultural sciences	10	12	11	14	32	14	26	26	22
Biological sciences	12	14	10	15	10	9	14	11	27
Computer sciences	4	6	29	28	32	70	42	44	50
Earth, atmospheric, and ocean sciences	0	0	3	1	1	1	2	1	0
Mathematics	4	6	7	1	2	7	4	5	19
Physical sciences	19	17	17	23	15	18	18	15	11
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	16	15	8	13	11	7	9	9	6
Physics	0	0	9	10	4	11	9	6	5
Other physical sciences	3	2	0	0	0	0	0	0	0
Psychology	28	27	43	46	35	35	54	52	63
Social sciences	22	20	47	24	31	43	17	30	28
Engineering	56	76	93	112	87	62	96	93	101
Chemical engineering	9	9	5	8	8	6	3	0	2
Civil engineering	3	3	15	16	15	13	9	20	17
Electrical engineering	13	13	10	18	7	24	31	21	31
Mechanical engineering	8	8	6	11	3	13	14	8	9
Other engineering	23	43	57	59	54	6	39	44	42
Non-science and engineering	376	396	572	514	625	665	736	813	1,008
Education	92	77	159	105	173	183	193	282	299
Health	30	49	45	49	47	39	75	58	61
Humanities	14	22	13	22	13	19	39	38	60
Professional/other/unknown	240	248	355	338	392	424	429	435	588

TABLE 26. Master's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	8.2	8.4	10.4	9.4	10.3	10.1	9.7	9.9	11.7
Science and engineering	9.0	9.9	13.6	13.5	12.4	12.3	11.3	11.0	12.4
Science	8.8	8.7	13.3	11.3	11.5	13.5	11.1	10.9	12.5
Agricultural sciences	19.6	20.7	18.6	28.6	35.6	31.1	35.6	33.3	28.9
Biological sciences	10.9	14.4	8.2	10.6	7.9	8.4	9.2	8.5	16.2
Computer sciences	2.6	4.2	14.6	9.9	14.0	19.1	10.7	13.1	14.7
Earth, atmospheric, and ocean sciences	0.0	0.0	16.7	10.0	6.3	4.8	10.0	4.8	0.0
Mathematics	8.7	13.0	11.9	2.5	3.8	10.4	6.3	7.1	17.8
Physical sciences	26.8	22.7	28.8	28.8	17.9	20.9	24.7	17.0	11.6
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	41.0	35.7	29.6	29.5	28.2	14.9	27.3	20.0	13.3
Physics	0.0	0.0	32.1	30.3	10.0	32.4	26.5	15.0	10.9
Other physical sciences	60.0	66.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	14.0	12.9	18.7	19.5	14.8	15.8	24.3	19.4	23.2
Social sciences	4.5	3.8	9.2	4.8	5.8	7.8	2.8	4.3	4.1
Engineering	9.5	12.1	14.3	18.2	14.4	9.5	11.7	11.1	12.3
Chemical engineering	28.1	32.1	20.8	32.0	29.6	25.0	12.5	0.0	7.7
Civil engineering	2.4	2.6	12.4	13.7	11.6	12.9	8.8	14.8	13.0
Electrical engineering	8.0	8.0	5.6	12.2	5.2	11.6	11.7	9.4	13.0
Mechanical engineering	8.6	7.8	6.9	15.1	3.9	13.0	10.5	6.3	7.1
Other engineering	12.8	19.5	23.6	23.1	22.8	2.8	13.2	13.4	14.1
Non-science and engineering	7.9	7.8	9.4	8.2	9.7	9.5	9.2	9.6	11.5
Education	7.1	5.5	9.7	6.1	9.1	8.8	7.8	10.9	11.3
Health	13.6	14.3	12.6	13.0	12.1	10.1	17.6	12.7	12.2
Humanities	2.9	4.3	2.4	4.4	2.5	3.6	6.2	5.6	8.5
Professional/other/unknown	8.7	8.9	10.0	9.2	10.7	10.6	9.6	9.2	11.9

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 27. Master's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	9,894	10,568	12,799	13,925	14,736	16,140	19,066	20,841	21,983
Science and engineering	1,502	1,667	1,836	2,119	2,116	2,269	2,659	2,839	3,069
Science	1,326	1,489	1,635	1,898	1,864	2,043	2,349	2,524	2,788
Agricultural sciences	54	58	74	74	85	87	98	107	120
Biological sciences	104	95	146	168	141	160	177	229	204
Computer sciences	59	77	89	156	105	189	211	127	139
Earth, atmospheric, and ocean sciences	8	8	12	18	19	7	16	26	28
Mathematics	17	39	41	32	30	41	49	60	58
Physical sciences	45	54	37	39	52	58	54	56	76
Astronomy	2	0	0	0	0	2	1	1	3
Chemistry	33	42	29	30	33	43	37	39	62
Physics	9	5	6	4	16	7	10	13	11
Other physical sciences	1	7	2	5	3	6	6	3	0
Psychology	518	578	607	701	716	736	863	951	1,044
Social sciences	521	580	629	710	716	765	881	968	1,119
Engineering	176	178	201	221	252	226	310	315	281
Chemical engineering	19	18	15	15	18	15	16	19	23
Civil engineering	36	42	59	51	58	51	61	73	54
Electrical engineering	25	28	34	25	46	35	75	53	42
Mechanical engineering	20	15	12	20	11	17	24	25	29
Other engineering	76	75	81	110	119	108	134	145	133
Non-science and engineering	8,392	8,901	10,963	11,806	12,620	13,871	16,407	18,002	18,914
Education	3,945	4,160	5,264	5,658	6,164	6,883	8,458	9,243	9,431
Health	797	977	1,039	1,218	1,238	1,281	1,409	1,591	1,726
Humanities	552	605	645	604	682	747	815	913	960
Professional/other/unknown	3,098	3,159	4,015	4,326	4,536	4,960	5,725	6,255	6,797
Institutions in Puerto Rico, all fields	1,013	1,119	1,695	1,566	1,854	1,899	2,261	2,793	3,516
Science and engineering	217	221	338	319	360	320	435	398	537
Science	190	191	303	273	309	297	375	347	483
Agricultural sciences	18	19	29	28	44	29	43	39	43
Biological sciences	19	9	20	23	11	16	19	30	31
Computer sciences	5	6	12	21	24	17	23	29	33
Earth, atmospheric, and ocean sciences	0	0	0	2	1	0	0	4	2
Mathematics	3	0	3	1	2	3	4	5	9
Physical sciences	14	20	16	12	16	24	13	12	25
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	12	17	13	11	11	20	10	9	23
Physics	1	1	3	1	5	4	3	3	2
Other physical sciences	1	2	0	0	0	0	0	0	0
Psychology	91	99	149	128	154	143	213	158	267
Social sciences	40	38	74	58	57	65	60	70	73
Engineering	27	30	35	46	51	23	60	51	54
Chemical engineering	8	8	9	4	3	2	4	5	6
Civil engineering	3	3	4	4	9	5	8	9	6
Electrical engineering	0	0	5	4	1	6	15	6	9
Mechanical engineering	2	2	0	1	1	4	2	2	2
Other engineering	14	17	17	33	37	6	31	29	31
Non-science and engineering	796	898	1,357	1,247	1,494	1,579	1,826	2,395	2,979
Education	257	261	526	422	560	641	729	1,210	1,541
Health	116	192	175	172	191	184	138	179	189
Humanities	30	27	19	27	41	35	61	54	73
Professional/other/unknown	393	418	637	626	702	719	898	952	1,176

TABLE 27. Master's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	10.2	10.6	13.2	11.2	12.6	11.8	11.9	13.4	16.0
Science and engineering	14.4	13.3	18.4	15.1	17.0	14.1	16.4	14.0	17.5
Science	14.3	12.8	18.5	14.4	16.6	14.5	16.0	13.7	17.3
Agricultural sciences	33.3	32.8	39.2	37.8	51.8	33.3	43.9	36.4	35.8
Biological sciences	18.3	9.5	13.7	13.7	7.8	10.0	10.7	13.1	15.2
Computer sciences	8.5	7.8	13.5	13.5	22.9	9.0	10.9	22.8	23.7
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	11.1	5.3	0.0	0.0	15.4	7.1
Mathematics	17.6	0.0	7.3	3.1	6.7	7.3	8.2	8.3	15.5
Physical sciences	31.1	37.0	43.2	30.8	30.8	41.4	24.1	21.4	32.9
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	36.4	40.5	44.8	36.7	33.3	46.5	27.0	23.1	37.1
Physics	11.1	20.0	50.0	25.0	31.3	57.1	30.0	23.1	18.2
Other physical sciences	100.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	17.6	17.1	24.5	18.3	21.5	19.4	24.7	16.6	25.6
Social sciences	7.7	6.6	11.8	8.2	8.0	8.5	6.8	7.2	6.5
Engineering	15.3	16.9	17.4	20.8	20.2	10.2	19.4	16.2	19.2
Chemical engineering	42.1	44.4	60.0	26.7	16.7	13.3	25.0	26.3	26.1
Civil engineering	8.3	7.1	6.8	7.8	15.5	9.8	13.1	12.3	11.1
Electrical engineering	0.0	0.0	14.7	16.0	2.2	17.1	20.0	11.3	21.4
Mechanical engineering	10.0	13.3	0.0	5.0	9.1	23.5	8.3	8.0	6.9
Other engineering	18.4	22.7	21.0	30.0	31.1	5.6	23.1	20.0	23.3
Non-science and engineering	9.5	10.1	12.4	10.6	11.8	11.4	11.1	13.3	15.8
Education	6.5	6.3	10.0	7.5	9.1	9.3	8.6	13.1	16.3
Health	14.6	19.7	16.8	14.1	15.4	14.4	9.8	11.3	11.0
Humanities	5.4	4.5	2.9	4.5	6.0	4.7	7.5	5.9	7.6
Professional/other/unknown	12.7	13.2	15.9	14.5	15.5	14.5	15.7	15.2	17.3

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 28. Doctoral degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	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
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
Mechanical engineering	14	19	9	12	21	12	13	10	13	11
Other engineering	37	31	25	21	32	30	39	31	29	47
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
Institutions in Puerto Rico, all fields	91	107	149	111	91	86	71	38	39	99
Science and engineering	50	73	97	73	44	41	58	22	27	61
Science	50	73	96	73	43	41	55	20	27	57
Agricultural sciences	0	0	0	0	1	0	0	0	0	0
Biological sciences	1	5	9	10	19	13	10	8	7	11
Computer sciences	0	0	0	0	0	0	0	0	1	0
Earth, atmospheric, and ocean sciences	1	2	3	1	0	1	7	1	2	2
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	5	2	9	5	5	4	3	3	3	9
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	5	2	8	5	5	4	3	3	3	9
Physics	0	0	1	0	0	0	0	0	0	0
Psychology	42	64	74	57	18	22	35	8	13	34
Social sciences	1	0	1	0	0	1	0	0	1	1
Engineering	0	0	1	0	1	0	3	2	0	4
Chemical engineering	0	0	0	0	0	0	2	0	0	2
Civil engineering	0	0	1	0	1	0	1	2	0	2
Electrical engineering	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	0	0	0	0	0	0	0	0	0	0
Other engineering	0	0	0	0	0	0	0	0	0	0
Non-science and engineering	41	34	52	38	47	45	13	16	12	38
Education	29	29	45	36	41	39	8	12	8	24
Health	0	0	0	0	0	0	0	0	0	0
Humanities	12	5	5	2	6	6	5	4	4	12
Professional/other/unknown	0	0	2	0	0	0	0	0	0	2

TABLE 28. Doctoral degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	7.6	8.0	11.3	8.5	7.2	6.3	5.0	2.9	2.7	6.6
Science and engineering	7.6	9.6	13.4	10.0	6.6	5.7	7.8	3.1	3.4	7.0
Science	8.9	11.3	15.0	11.3	7.4	6.6	8.6	3.2	3.8	7.5
Agricultural sciences	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0
Biological sciences	0.7	3.0	5.2	5.7	11.5	7.1	5.7	4.2	3.1	4.9
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Earth, atmospheric, and ocean sciences	6.7	11.8	15.0	6.3	0.0	7.1	46.7	9.1	11.1	9.5
Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Physical sciences	7.2	3.7	14.3	6.5	7.7	6.3	4.2	4.8	4.1	11.4
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	11.4	5.9	17.4	9.8	11.6	10.5	6.7	7.0	5.5	14.1
Physics	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	24.6	30.8	34.3	27.0	10.7	12.0	20.6	4.7	6.9	16.2
Social sciences	1.0	0.0	0.8	0.0	0.0	0.7	0.0	0.0	0.7	0.6
Engineering	0.0	0.0	1.2	0.0	1.1	0.0	2.9	2.3	0.0	3.6
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	9.1
Civil engineering	0.0	0.0	8.3	0.0	11.1	0.0	7.7	10.0	0.0	15.4
Electrical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-science and engineering	7.6	5.9	8.6	6.6	7.9	7.0	1.9	2.7	1.9	6.0
Education	11.3	10.0	14.9	12.6	14.9	12.1	2.4	4.4	2.7	8.3
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	5.8	2.5	2.5	1.0	2.6	2.5	2.0	1.9	1.9	5.3
Professional/other/unknown	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	2.7

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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

TABLE 29. Doctoral degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	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
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
Mechanical engineering	11	18	8	11	21	7	12	8	7	10
Other engineering	27	24	17	15	19	21	30	22	17	31
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
Institutions in Puerto Rico, all fields	30	23	41	28	28	31	31	13	13	29
Science and engineering	18	15	29	17	15	15	25	10	7	19
Science	18	15	28	17	14	15	23	8	7	15
Agricultural sciences	0	0	0	0	1	0	0	0	0	0
Biological sciences	0	4	6	1	5	5	7	5	1	2
Computer sciences	0	0	0	0	0	0	0	0	1	0
Earth, atmospheric, and ocean sciences	0	0	3	1	0	1	6	0	2	1
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	3	0	6	3	4	2	2	2	0	4
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	3	0	5	3	4	2	2	2	0	4
Physics	0	0	1	0	0	0	0	0	0	0
Psychology	15	11	13	12	4	7	8	1	3	8
Social sciences	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	1	0	1	0	2	2	0	4
Chemical engineering	0	0	0	0	0	0	1	0	0	2
Civil engineering	0	0	1	0	1	0	1	2	0	2
Electrical engineering	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	0	0	0	0	0	0	0	0	0	0
Other engineering	0	0	0	0	0	0	0	0	0	0
Non-science and engineering	12	8	12	11	13	16	6	3	6	10
Education	6	6	10	10	11	11	2	2	4	5
Health	0	0	0	0	0	0	0	0	0	0
Humanities	6	2	1	1	2	5	4	1	2	4
Professional/other/unknown	0	0	1	0	0	0	0	0	0	1

TABLE 29. Doctoral degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	4.8	3.4	7.1	4.6	4.9	5.2	4.7	2.2	2.1	4.2
Science and engineering	4.6	3.5	8.1	4.5	4.5	4.4	6.6	2.8	1.8	4.4
Science	5.6	4.5	9.3	5.5	5.2	5.5	7.7	2.8	2.1	4.3
Agricultural sciences	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Biological sciences	0.0	4.4	6.1	1.2	5.7	7.4	7.3	6.0	0.9	1.7
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0
Earth, atmospheric, and ocean sciences	0.0	0.0	18.8	7.7	0.0	8.3	66.7	0.0	20.0	10.0
Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Physical sciences	5.6	0.0	14.6	5.8	9.3	4.9	4.1	5.3	0.0	8.2
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	9.4	0.0	20.0	10.0	15.4	10.0	7.4	9.1	0.0	10.8
Physics	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	23.4	19.6	22.4	20.3	8.7	12.7	14.8	1.8	4.8	15.1
Social sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Engineering	0.0	0.0	1.7	0.0	1.5	0.0	2.5	3.0	0.0	5.1
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	18.2
Civil engineering	0.0	0.0	16.7	0.0	14.3	0.0	12.5	12.5	0.0	22.2
Electrical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-science and engineering	5.2	3.1	5.5	4.8	5.6	6.3	2.1	1.2	2.8	3.9
Education	6.5	5.4	11.0	10.1	12.1	10.6	1.7	2.1	4.8	5.4
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	5.6	1.9	1.1	1.0	2.0	4.3	3.0	1.0	2.4	3.4
Professional/other/unknown	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	2.8

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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

TABLE 30. Doctoral degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All institutions, all fields	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
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
Mechanical engineering	3	1	1	1	0	5	1	2	6	1
Other engineering	10	7	8	6	13	9	9	9	12	16
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
Institutions in Puerto Rico, all fields	61	84	108	82	63	55	40	25	26	70
Science and engineering	32	58	68	55	29	26	33	12	20	42
Science	32	58	68	55	29	26	32	12	20	42
Agricultural sciences	0	0	0	0	0	0	0	0	0	0
Biological sciences	1	1	3	9	14	8	3	3	6	9
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	2	0	0	0	0	1	1	0	1
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	2	2	3	2	1	2	1	1	3	5
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	2	2	3	2	1	2	1	1	3	5
Physics	0	0	0	0	0	0	0	0	0	0
Psychology	27	53	61	44	14	15	27	7	10	26
Social sciences	1	0	1	0	0	1	0	0	1	1
Engineering	0	0	0	0	0	0	1	0	0	0
Chemical engineering	0	0	0	0	0	0	1	0	0	0
Civil engineering	0	0	0	0	0	0	0	0	0	0
Electrical engineering	0	0	0	0	0	0	0	0	0	0
Mechanical engineering	0	0	0	0	0	0	0	0	0	0
Other engineering	0	0	0	0	0	0	0	0	0	0
Non-science and engineering	29	26	40	27	34	29	7	13	6	28
Education	23	23	35	26	30	28	6	10	4	19
Health	0	0	0	0	0	0	0	0	0	0
Humanities	6	3	4	1	4	1	1	3	2	8
Professional/other/unknown	0	0	1	0	0	0	0	0	0	1

TABLE 30. Doctoral degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1997–2006

Field	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Institutions in Puerto Rico, all fields (%)	10.6	13.0	14.5	11.7	9.0	7.1	5.2	3.5	3.2	8.5
Science and engineering	12.0	17.8	18.8	15.7	8.7	6.9	9.0	3.3	4.9	9.5
Science	13.2	18.5	20.1	16.3	9.3	7.3	9.3	3.5	5.3	10.3
Agricultural sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Biological sciences	1.6	1.3	3.9	9.8	18.2	7.0	3.8	2.8	5.3	8.3
Computer sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	20.0	33.3	0.0	0.0	0.0	0.0	16.7	20.0	0.0	9.1
Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Physical sciences	13.3	18.2	13.6	8.0	4.5	9.1	4.3	4.2	9.4	16.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	16.7	22.2	14.3	9.5	5.9	11.1	5.6	4.8	10.3	18.5
Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	25.2	34.9	38.6	29.1	11.4	11.6	23.3	6.0	7.9	16.6
Social sciences	2.6	0.0	1.6	0.0	0.0	1.4	0.0	0.0	1.3	1.3
Engineering	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
Civil engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electrical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mechanical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-science and engineering	9.4	8.2	10.4	7.7	9.3	7.4	1.8	3.8	1.4	7.3
Education	14.0	12.9	16.5	14.0	16.3	12.9	2.7	5.6	1.9	9.7
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	5.9	3.2	3.7	0.9	3.0	0.8	0.9	2.9	1.6	7.2
Professional/other/unknown	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6

NOTES: Race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific fields included in each category.

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



TABLE 31. Bachelor's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	14,631	14,825	15,238	15,127	15,406	15,336	15,119	15,247	14,794
U.S. citizens and permanent residents	14,074	14,234	14,797	14,609	14,947	14,883	14,613	14,764	14,424
Asian/Pacific Islander	474	476	738	672	710	657	631	721	630
Underrepresented minorities	2,248	2,214	2,608	2,625	2,643	2,850	2,902	2,773	2,657
American Indian/Alaska Native	101	105	109	128	101	124	193	96	129
Black, non-Hispanic	1,424	1,370	1,431	1,389	1,430	1,482	1,539	1,533	1,495
Hispanic	723	739	1,068	1,108	1,112	1,244	1,170	1,144	1,033
White, non-Hispanic	10,988	11,044	10,871	10,698	10,885	10,672	10,405	10,525	10,367
Other/unknown race/ethnicity	364	500	580	614	709	704	675	745	770
Nonresident aliens	557	591	441	518	459	453	506	483	370
Male	12,925	12,993	13,291	13,072	13,267	13,050	13,003	13,096	12,816
U.S. citizens and permanent residents	12,415	12,469	12,896	12,609	12,881	12,673	12,578	12,682	12,512
Asian/Pacific Islander	422	422	662	585	616	573	545	617	556
Underrepresented minorities	1,783	1,759	2,079	2,112	2,058	2,159	2,297	2,097	2,030
American Indian/Alaska Native	83	87	85	117	86	97	163	86	115
Black, non-Hispanic	1,096	1,073	1,096	1,055	1,068	1,088	1,160	1,144	1,097
Hispanic	604	599	898	940	904	974	974	867	818
White, non-Hispanic	9,869	9,850	9,663	9,375	9,578	9,355	9,166	9,337	9,259
Other/unknown race/ethnicity	341	438	492	537	629	586	570	631	667
Nonresident aliens	510	524	395	463	386	377	425	414	304
Female	1,706	1,832	1,947	2,055	2,139	2,286	2,116	2,151	1,978
U.S. citizens and permanent residents	1,659	1,765	1,901	2,000	2,066	2,210	2,035	2,082	1,912
Asian/Pacific Islander	52	54	76	87	94	84	86	104	74
Underrepresented minorities	465	455	529	513	585	691	605	676	627
American Indian/Alaska Native	18	18	24	11	15	27	30	10	14
Black, non-Hispanic	328	297	335	334	362	394	379	389	398
Hispanic	119	140	170	168	208	270	196	277	215
White, non-Hispanic	1,119	1,194	1,208	1,323	1,307	1,317	1,239	1,188	1,108
Other/unknown race/ethnicity	23	62	88	77	80	118	105	114	103
Nonresident aliens	47	67	46	55	73	76	81	69	66

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 32. Master's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	1,414	1,700	1,350	1,381	1,444	1,471	1,470	1,447	1,481
U.S. citizens and permanent residents	1,153	1,432	1,146	1,129	1,101	1,107	1,105	1,107	1,152
Asian/Pacific Islander	49	62	53	65	52	70	79	47	75
Underrepresented minorities	115	205	160	156	136	203	191	233	243
American Indian/Alaska Native	3	6	3	3	6	8	4	6	8
Black, non-Hispanic	86	150	116	111	101	135	132	157	167
Hispanic	26	49	41	42	29	60	55	70	68
White, non-Hispanic	950	1,115	835	814	822	730	759	734	705
Other/unknown race/ethnicity	39	50	98	94	91	104	76	93	129
Nonresident aliens	261	268	204	252	343	364	365	340	329
Male	1,012	1,158	902	874	941	1,009	976	995	1,014
U.S. citizens and permanent residents	842	1,002	775	728	733	753	728	760	787
Asian/Pacific Islander	34	40	29	41	30	38	40	35	55
Underrepresented minorities	76	130	98	89	84	117	106	131	156
American Indian/Alaska Native	3	4	2	2	4	4	3	4	4
Black, non-Hispanic	56	95	63	55	59	74	69	96	102
Hispanic	17	31	33	32	21	39	34	31	50
White, non-Hispanic	704	801	585	540	569	537	532	532	502
Other/unknown race/ethnicity	28	31	63	58	50	61	50	62	74
Nonresident aliens	170	156	127	146	208	256	248	235	227
Female	402	542	448	507	503	462	494	452	467
U.S. citizens and permanent residents	311	430	371	401	368	354	377	347	365
Asian/Pacific Islander	15	22	24	24	22	32	39	12	20
Underrepresented minorities	39	75	62	67	52	86	85	102	87
American Indian/Alaska Native	0	2	1	1	2	4	1	2	4
Black, non-Hispanic	30	55	53	56	42	61	63	61	65
Hispanic	9	18	8	10	8	21	21	39	18
White, non-Hispanic	246	314	250	274	253	193	227	202	203
Other/unknown race/ethnicity	11	19	35	36	41	43	26	31	55
Nonresident aliens	91	112	77	106	135	108	117	105	102

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 33. Doctoral degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	13	19	16	21	24	16	22	15	30
U.S. citizens and permanent residents	8	9	11	9	12	9	14	8	18
Asian/Pacific Islander	0	0	0	1	1	1	0	0	0
Underrepresented minorities	1	0	1	0	0	0	2	1	2
American Indian/Alaska Native	0	0	0	0	0	0	0	0	0
Black, non-Hispanic	1	0	1	0	0	0	2	0	2
Hispanic	0	0	0	0	0	0	0	1	0
White, non-Hispanic	4	6	5	7	9	7	10	7	15
Other/unknown race/ethnicity	3	3	5	1	2	1	2	0	1
Nonresident aliens	5	10	5	12	12	7	8	7	12
Male	11	17	11	17	11	12	17	8	18
U.S. citizens and permanent residents	6	7	6	6	3	6	10	2	10
Asian/Pacific Islander	0	0	0	1	1	1	0	0	0
Underrepresented minorities	1	0	0	0	0	0	2	0	1
American Indian/Alaska Native	0	0	0	0	0	0	0	0	0
Black, non-Hispanic	1	0	0	0	0	0	2	0	1
Hispanic	0	0	0	0	0	0	0	0	0
White, non-Hispanic	3	5	3	4	2	4	7	2	9
Other/unknown race/ethnicity	2	2	3	1	0	1	1	0	0
Nonresident aliens	5	10	5	11	8	6	7	6	8
Female	2	2	5	4	13	4	5	7	12
U.S. citizens and permanent residents	2	2	5	3	9	3	4	6	8
Asian/Pacific Islander	0	0	0	0	0	0	0	0	0
Underrepresented minorities	0	0	1	0	0	0	0	1	1
American Indian/Alaska Native	0	0	0	0	0	0	0	0	0
Black, non-Hispanic	0	0	1	0	0	0	0	0	1
Hispanic	0	0	0	0	0	0	0	1	0
White, non-Hispanic	1	1	2	3	7	3	3	5	6
Other/unknown race/ethnicity	1	1	2	0	2	0	1	0	1
Nonresident aliens	0	0	0	1	4	1	1	1	4

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 34. Bachelor's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	77,769	76,959	71,584	66,751	64,533	63,423	67,641	73,415	83,500
U.S. citizens and permanent residents	76,823	76,264	70,884	65,849	63,857	62,632	66,851	72,411	82,090
Asian/Pacific Islander	3,817	4,082	3,871	3,505	3,331	3,039	3,164	3,483	4,268
Underrepresented minorities	9,585	10,425	11,157	11,011	11,385	11,262	12,138	12,764	14,431
American Indian/Alaska Native	466	512	462	424	437	433	485	492	578
Black, non-Hispanic	5,645	6,182	6,692	6,543	6,778	6,641	7,171	7,535	8,452
Hispanic	3,474	3,731	4,003	4,044	4,170	4,188	4,482	4,737	5,401
White, non-Hispanic	61,542	59,796	53,885	49,389	46,633	45,700	48,176	52,432	59,100
Other/unknown race/ethnicity	1,879	1,961	1,971	1,944	2,508	2,631	3,373	3,732	4,291
Nonresident aliens	946	695	700	902	676	791	790	1,004	1,410
Male	13,940	13,378	11,480	10,719	9,625	9,126	9,642	10,203	12,255
U.S. citizens and permanent residents	13,697	13,207	11,329	10,529	9,463	8,959	9,499	10,028	11,979
Asian/Pacific Islander	917	973	904	817	668	623	606	628	842
Underrepresented minorities	1,555	1,770	1,680	1,732	1,668	1,576	1,744	1,821	2,116
American Indian/Alaska Native	94	116	87	72	77	68	75	82	101
Black, non-Hispanic	750	861	880	908	836	791	869	945	1,076
Hispanic	711	793	713	752	755	717	800	794	939
White, non-Hispanic	10,878	10,119	8,424	7,661	6,690	6,287	6,604	6,937	8,262
Other/unknown race/ethnicity	347	345	321	319	437	473	545	642	759
Nonresident aliens	243	171	151	190	162	167	143	175	276
Female	63,829	63,581	60,104	56,032	54,908	54,297	57,999	63,212	71,245
U.S. citizens and permanent residents	63,126	63,057	59,555	55,320	54,394	53,673	57,352	62,383	70,111
Asian/Pacific Islander	2,900	3,109	2,967	2,688	2,663	2,416	2,558	2,855	3,426
Underrepresented minorities	8,030	8,655	9,477	9,279	9,717	9,686	10,394	10,943	12,315
American Indian/Alaska Native	372	396	375	352	360	365	410	410	477
Black, non-Hispanic	4,895	5,321	5,812	5,635	5,942	5,850	6,302	6,590	7,376
Hispanic	2,763	2,938	3,290	3,292	3,415	3,471	3,682	3,943	4,462
White, non-Hispanic	50,664	49,677	45,461	41,728	39,943	39,413	41,572	45,495	50,838
Other/unknown race/ethnicity	1,532	1,616	1,650	1,625	2,071	2,158	2,828	3,090	3,532
Nonresident aliens	703	524	549	712	514	624	647	829	1,134

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific medical sciences included in health fields.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 35. Master's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	33,177	35,894	37,887	38,588	37,863	35,714	37,420	38,860	42,301
U.S. citizens and permanent residents	31,740	34,531	36,387	36,818	36,126	34,016	35,199	36,567	39,636
Asian/Pacific Islander	1,442	2,172	2,230	2,376	2,458	2,445	2,473	2,656	2,714
Underrepresented minorities	2,793	3,534	3,744	4,272	4,411	4,640	5,065	5,493	6,178
American Indian/Alaska Native	151	166	189	175	178	209	197	203	234
Black, non-Hispanic	1,624	2,048	2,158	2,503	2,607	2,764	3,033	3,244	3,718
Hispanic	1,018	1,320	1,397	1,594	1,626	1,667	1,835	2,046	2,226
White, non-Hispanic	26,083	27,362	28,785	28,298	27,030	24,829	25,125	25,803	27,538
Other/unknown race/ethnicity	1,422	1,463	1,628	1,872	2,227	2,102	2,536	2,615	3,206
Nonresident aliens	1,437	1,363	1,500	1,770	1,737	1,698	2,221	2,293	2,665
Male	6,882	7,611	8,215	8,373	8,061	7,517	7,816	7,912	8,511
U.S. citizens and permanent residents	6,296	7,080	7,645	7,717	7,403	6,877	6,857	7,009	7,513
Asian/Pacific Islander	454	739	645	706	686	655	680	718	711
Underrepresented minorities	504	732	786	797	860	884	924	947	1,120
American Indian/Alaska Native	30	39	45	40	52	56	36	44	49
Black, non-Hispanic	253	350	383	381	420	442	462	448	571
Hispanic	221	343	358	376	388	386	426	455	500
White, non-Hispanic	5,037	5,272	5,849	5,766	5,392	4,830	4,686	4,730	4,963
Other/unknown race/ethnicity	301	337	365	448	465	508	567	614	719
Nonresident aliens	586	531	570	656	658	640	959	903	998
Female	26,295	28,283	29,672	30,215	29,802	28,197	29,604	30,948	33,790
U.S. citizens and permanent residents	25,444	27,451	28,742	29,101	28,723	27,139	28,342	29,558	32,123
Asian/Pacific Islander	988	1,433	1,585	1,670	1,772	1,790	1,793	1,938	2,003
Underrepresented minorities	2,289	2,802	2,958	3,475	3,551	3,756	4,141	4,546	5,058
American Indian/Alaska Native	121	127	144	135	126	153	161	159	185
Black, non-Hispanic	1,371	1,698	1,775	2,122	2,187	2,322	2,571	2,796	3,147
Hispanic	797	977	1,039	1,218	1,238	1,281	1,409	1,591	1,726
White, non-Hispanic	21,046	22,090	22,936	22,532	21,638	19,999	20,439	21,073	22,575
Other/unknown race/ethnicity	1,121	1,126	1,263	1,424	1,762	1,594	1,969	2,001	2,487
Nonresident aliens	851	832	930	1,114	1,079	1,058	1,262	1,390	1,667

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. See appendix B for specific medical sciences included in health fields.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 36. Doctoral degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
All recipients	1,421	1,499	1,407	1,591	1,541	1,654	1,633	1,720	1,785	1,906
U.S. citizens and permanent residents	1,028	1,154	1,049	1,194	1,131	1,194	1,223	1,266	1,290	1,352
Asian <sup>a</sup>	87	83	87	99	100	91	85	94	114	118
Underrepresented minorities	93	106	109	113	98	109	124	156	169	178
American Indian/Alaska Native	6	4	6	4	6	3	2	3	4	6
Black, non-Hispanic	55	65	57	75	64	73	78	107	122	125
Hispanic	32	37	46	34	28	33	44	46	43	47
White, non-Hispanic	828	929	837	960	908	968	966	970	968	1,018
Other/unknown race/ethnicity <sup>b</sup>	20	36	16	22	25	26	48	46	39	38
Temporary visa holders	273	285	286	306	317	324	329	365	388	401
Citizenship unknown	120	60	72	91	93	136	81	89	107	153
Male	469	489	499	522	542	526	544	541	566	617
U.S. citizens and permanent residents	287	311	329	340	330	337	351	345	364	366
Asian <sup>a</sup>	37	35	39	36	5	0	0	0	0	0
Underrepresented minorities	25	27	27	25	22	25	29	35	46	41
American Indian/Alaska Native	2	1	0	1	2	0	1	0	2	3
Black, non-Hispanic	15	14	12	14	12	16	17	26	31	26
Hispanic	8	12	15	10	8	9	11	9	13	12
White, non-Hispanic	219	235	257	270	265	283	269	265	275	280
Other/unknown race/ethnicity <sup>b</sup>	6	14	6	9	38	29	53	45	43	45
Temporary visa holders	135	155	139	143	169	141	166	167	162	183
Citizenship unknown	47	23	31	39	43	48	27	29	40	68
Female	936	1,005	899	1,066	989	1,126	1,089	1,179	1,216	1,284
U.S. citizens and permanent residents	740	843	720	854	801	857	872	921	926	986
Asian <sup>a</sup>	50	48	48	63	6	0	0	0	0	0
Underrepresented minorities	68	79	82	88	76	84	95	121	123	137
American Indian/Alaska Native	4	3	6	3	4	3	1	3	2	3
Black, non-Hispanic	40	51	45	61	52	57	61	81	91	99
Hispanic	24	25	31	24	20	24	33	37	30	35
White, non-Hispanic	609	694	580	690	643	685	697	705	693	738
Other/unknown race/ethnicity <sup>b</sup>	13	22	10	13	76	88	80	95	110	111
Temporary visa holders	138	129	147	163	148	183	163	198	226	218
Citizenship unknown	58	33	32	49	40	86	54	60	64	80

<sup>a</sup> Includes Native Hawaiians/Other Pacific Islanders prior to 2001.

<sup>b</sup> Includes Native Hawaiians/Other Pacific Islanders and multiple race, non-Hispanic ethnicity, from 2001 forward.

NOTES: Citizenship categories and race/ethnicity categories for U.S. citizens and permanent residents are as designated in the SED. Permanent residents are foreign citizens holding permanent visas. See appendix B for specific medical and health sciences included in health fields.

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

TABLE 37. First professional degrees awarded, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	79,169	78,945	79,578	80,054	81,161	81,214	83,552	87,115	87,188
U.S. citizens and permanent residents	77,515	77,162	77,720	77,998	79,240	79,238	81,575	85,068	85,151
Asian/Pacific Islander	7,234	7,547	8,189	8,951	9,161	9,342	9,489	9,956	10,007
Underrepresented minorities	9,846	10,001	10,194	10,164	10,374	10,502	10,880	11,349	11,256
American Indian/Alaska Native	501	544	541	518	553	551	536	531	656
Black, non-Hispanic	5,153	5,310	5,292	5,190	5,371	5,312	5,491	5,805	5,655
Hispanic	4,192	4,147	4,361	4,456	4,450	4,639	4,853	5,013	4,945
White, non-Hispanic	58,769	57,551	56,708	56,021	55,612	55,298	57,094	59,379	58,823
Other/unknown race/ethnicity	1,666	2,063	2,629	2,862	4,093	4,096	4,112	4,384	5,065
Nonresident aliens	1,654	1,783	1,858	2,056	1,921	1,976	1,977	2,047	2,037
Male	45,747	45,033	43,976	43,036	42,931	42,174	42,654	43,836	43,900
U.S. citizens and permanent residents	44,619	43,886	42,800	41,785	41,787	41,047	41,568	42,716	42,788
Asian/Pacific Islander	3,887	3,903	4,185	4,367	4,432	4,420	4,307	4,470	4,367
Underrepresented minorities	4,679	4,762	4,819	4,539	4,629	4,557	4,674	4,786	4,667
American Indian/Alaska Native	282	282	274	263	279	277	262	271	308
Black, non-Hispanic	2,139	2,229	2,210	2,008	2,058	1,994	2,073	2,080	2,057
Hispanic	2,258	2,251	2,335	2,268	2,292	2,286	2,339	2,435	2,302
White, non-Hispanic	35,077	34,007	32,324	31,287	30,490	29,839	30,374	31,207	31,053
Other/unknown race/ethnicity	976	1,214	1,472	1,592	2,236	2,231	2,213	2,253	2,701
Nonresident aliens	1,128	1,147	1,176	1,251	1,144	1,127	1,086	1,120	1,112
Female	33,422	33,912	35,602	37,018	38,230	39,040	40,898	43,279	43,288
U.S. citizens and permanent residents	32,896	33,276	34,920	36,213	37,453	38,191	40,007	42,352	42,363
Asian/Pacific Islander	3,347	3,644	4,004	4,584	4,729	4,922	5,182	5,486	5,640
Underrepresented minorities	5,167	5,239	5,375	5,625	5,745	5,945	6,206	6,563	6,589
American Indian/Alaska Native	219	262	267	255	274	274	274	260	348
Black, non-Hispanic	3,014	3,081	3,082	3,182	3,313	3,318	3,418	3,725	3,598
Hispanic	1,934	1,896	2,026	2,188	2,158	2,353	2,514	2,578	2,643
White, non-Hispanic	23,692	23,544	24,384	24,734	25,122	25,459	26,720	28,172	27,770
Other/unknown race/ethnicity	690	849	1,157	1,270	1,857	1,865	1,899	2,131	2,364
Nonresident aliens	526	636	682	805	777	849	891	927	925

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. First professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of preprofessional training. First professional degrees include chiropractic, dentistry, medicine, optometry, osteopathic medicine, pharmacy, podiatry, veterinary medicine, law, divinity/ministry, and rabbinical and Talmudic studies.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

TABLE 38. First professional degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	32,114	33,566	35,772	36,634	36,441	36,295	37,356	37,964	38,169
U.S. citizens and permanent residents	31,226	32,536	34,829	35,376	35,492	35,333	36,415	36,968	37,232
Asian/Pacific Islander	4,127	4,901	5,627	6,217	6,412	6,552	6,621	6,610	6,500
Underrepresented minorities	3,469	3,714	3,973	3,992	4,060	4,059	4,304	4,494	4,512
American Indian/Alaska Native	197	209	221	218	267	225	219	222	317
Black, non-Hispanic	1,800	1,859	1,998	1,985	2,095	2,095	2,154	2,302	2,337
Hispanic	1,472	1,646	1,754	1,789	1,698	1,739	1,931	1,970	1,858
White, non-Hispanic	23,187	23,351	24,367	24,332	23,901	23,483	24,056	24,564	24,685
Other/unknown race/ethnicity	443	570	862	835	1,119	1,239	1,434	1,300	1,535
Nonresident aliens	888	1,030	943	1,258	949	962	941	996	937
Male	18,308	18,784	19,260	19,340	18,712	18,352	18,245	17,792	17,475
U.S. citizens and permanent residents	17,719	18,164	18,728	18,616	18,183	17,861	17,806	17,298	17,044
Asian/Pacific Islander	2,198	2,525	2,867	3,065	3,146	3,186	3,046	2,950	2,715
Underrepresented minorities	1,583	1,765	1,848	1,758	1,809	1,685	1,797	1,831	1,758
American Indian/Alaska Native	121	114	114	124	142	110	107	114	129
Black, non-Hispanic	672	735	772	709	779	721	772	775	792
Hispanic	790	916	962	925	888	854	918	942	837
White, non-Hispanic	13,702	13,548	13,543	13,346	12,664	12,352	12,253	11,929	11,873
Other/unknown race/ethnicity	236	326	470	447	564	638	710	588	698
Nonresident aliens	589	620	532	724	529	491	439	494	431
Female	13,806	14,782	16,512	17,294	17,729	17,943	19,111	20,172	20,694
U.S. citizens and permanent residents	13,507	14,372	16,101	16,760	17,309	17,472	18,609	19,670	20,188
Asian/Pacific Islander	1,929	2,376	2,760	3,152	3,266	3,366	3,575	3,660	3,785
Underrepresented minorities	1,886	1,949	2,125	2,234	2,251	2,374	2,507	2,663	2,754
American Indian/Alaska Native	76	95	107	94	125	115	112	108	188
Black, non-Hispanic	1,128	1,124	1,226	1,276	1,316	1,374	1,382	1,527	1,545
Hispanic	682	730	792	864	810	885	1,013	1,028	1,021
White, non-Hispanic	9,485	9,803	10,824	10,986	11,237	11,131	11,803	12,635	12,812
Other/unknown race/ethnicity	207	244	392	388	555	601	724	712	837
Nonresident aliens	299	410	411	534	420	471	502	502	506

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. First professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of preprofessional training. Health fields include chiropractic, dentistry, medicine, optometry, osteopathic medicine, pharmacy, podiatry, and veterinary medicine.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.



TABLE 39. First professional degrees awarded in non-health fields, by citizenship, race/ethnicity, and sex of recipients: 1997–2006

Citizenship and race/ethnicity	1997	1998	2000	2001	2002	2003	2004	2005	2006
All recipients	47,055	45,379	43,806	43,420	44,720	44,919	46,196	49,151	49,019
U.S. citizens and permanent residents	46,289	44,626	42,891	42,622	43,748	43,905	45,160	48,100	47,919
Asian/Pacific Islander	3,107	2,646	2,562	2,734	2,749	2,790	2,868	3,346	3,507
Underrepresented minorities	6,377	6,287	6,221	6,172	6,314	6,443	6,576	6,855	6,744
American Indian/Alaska Native	304	335	320	300	286	326	317	309	339
Black, non-Hispanic	3,353	3,451	3,294	3,205	3,276	3,217	3,337	3,503	3,318
Hispanic	2,720	2,501	2,607	2,667	2,752	2,900	2,922	3,043	3,087
White, non-Hispanic	35,582	34,200	32,341	31,689	31,711	31,815	33,038	34,815	34,138
Other/unknown race/ethnicity	1,223	1,493	1,767	2,027	2,974	2,857	2,678	3,084	3,530
Nonresident aliens	766	753	915	798	972	1,014	1,036	1,051	1,100
Male	27,439	26,249	24,716	23,696	24,219	23,822	24,409	26,044	26,425
U.S. citizens and permanent residents	26,900	25,722	24,072	23,169	23,604	23,186	23,762	25,418	25,744
Asian/Pacific Islander	1,689	1,378	1,318	1,302	1,286	1,234	1,261	1,520	1,652
Underrepresented minorities	3,096	2,997	2,971	2,781	2,820	2,872	2,877	2,955	2,909
American Indian/Alaska Native	161	168	160	139	137	167	155	157	179
Black, non-Hispanic	1,467	1,494	1,438	1,299	1,279	1,273	1,301	1,305	1,265
Hispanic	1,468	1,335	1,373	1,343	1,404	1,432	1,421	1,493	1,465
White, non-Hispanic	21,375	20,459	18,781	17,941	17,826	17,487	18,121	19,278	19,180
Other/unknown race/ethnicity	740	888	1,002	1,145	1,672	1,593	1,503	1,665	2,003
Nonresident aliens	539	527	644	527	615	636	647	626	681
Female	19,616	19,130	19,090	19,724	20,501	21,097	21,787	23,107	22,594
U.S. citizens and permanent residents	19,389	18,904	18,819	19,453	20,144	20,719	21,398	22,682	22,175
Asian/Pacific Islander	1,418	1,268	1,244	1,432	1,463	1,556	1,607	1,826	1,855
Underrepresented minorities	3,281	3,290	3,250	3,391	3,494	3,571	3,699	3,900	3,835
American Indian/Alaska Native	143	167	160	161	149	159	162	152	160
Black, non-Hispanic	1,886	1,957	1,856	1,906	1,997	1,944	2,036	2,198	2,053
Hispanic	1,252	1,166	1,234	1,324	1,348	1,468	1,501	1,550	1,622
White, non-Hispanic	14,207	13,741	13,560	13,748	13,885	14,328	14,917	15,537	14,958
Other/unknown race/ethnicity	483	605	765	882	1,302	1,264	1,175	1,419	1,527
Nonresident aliens	227	226	271	271	357	378	389	425	419

NOTES: Category "nonresident alien" and race/ethnicity categories for U.S. citizens and permanent residents are as designated in IPEDS Completions Survey. Permanent residents are foreign citizens holding permanent visas. Nonresident aliens are foreign citizens holding temporary visas. Race/ethnicity data are not collected for nonresident aliens. Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. First professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of preprofessional training. Non-health fields include law, divinity/ministry, and rabbinical and Talmudic studies.

SOURCE: Tabulated by National Science Foundation/Division of Science Resources Statistics; data from Department of Education/National Center for Education Statistics: Integrated Postsecondary Education Data System Completions Survey.

## Appendix A. Technical Notes

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This report is based on final data from two federal surveys. The first is the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) Completions Survey, conducted annually by the National Center for Education Statistics (NCES). The second is the Survey of Earned Doctorates, conducted annually for the National Science Foundation (NSF) and other federal agencies (five between 1997 and 2006). Each source is described in more detail in the following sections.

Data from the IPEDS Completions Survey were used to report the number of bachelor's and master's degrees and the number of doctoral degrees in engineering technologies. In 2003, these data became available by 6-digit Classification of Program (CIP) codes for race/ethnicity categories. The CIP 2000 codes are now used when mapping data to field of degree for all years that data were collected by CIP codes. Data collected before 2003 used 1985 and 1990 CIP codes; a crosswalk was performed to map these data to the 2000 CIP codes. If a corresponding 2000 CIP code did not exist, the 1990 CIP code was retained. The broad field of non-science and engineering can now be reported using subfields (education, humanities, health, and other/professional), providing another level of detail for this report.

Data on doctoral degrees in all fields except engineering technologies were derived from the Survey of Earned Doctorates (SED), which surveys all individuals earning research doctorates, rather than from the IPEDS Completions Survey, which surveys the institutions awarding the doctorates. SED data were preferred because the data provided by individuals are more specific with respect to the field of specialization and are less likely to contain errors in data reporting and data entry than are the aggregate data provided by institutions. Furthermore, doctorate data provide almost complete coverage for data by field and sex of individual recipients, whereas institutional data are subject to imputation for nonresponse. The number of doctoral degrees collected by the IPEDS Completions Survey is slightly higher than the number collected by the SED. This is primarily because the IPEDS Completions Survey collects data on both nonresearch and research doctorates, whereas the SED is limited to research doctorates (doctorates that require original research). The nonresearch doctorates excluded from the SED are mostly in the fields of theology and education, two nonscience fields of study, so the difference has minimal effect on the reporting of science and engineering degrees.

### Bachelor's and Master's Degree Data

Bachelor's and master's degree data presented in this report were derived from The IPEDS Completions Survey. Surveys were mailed to all accredited universities and colleges in the United States, including the U.S. territories, for completion by the institution. Data were requested by sex and field of study of recipient for each degree level.

Follow-up for nonresponse and editing was conducted by letter and telephone. The overall response rate for institutions of higher education ranged from 91% to 99% between 1997 and 2006. Detailed national data were not released by NCES for the academic year ending 1999.

The manner of collecting racial and ethnic data is left to the discretion of the institutions, provided that the system results in reasonably accurate data. The information is gathered by NCES for the U.S. Department of Education Office of Civil Rights, in compliance with title I of the Civil Rights Act of 1964 and title IX of the Education Amendments of 1972.

The following five racial/ethnic categories were the standard in NCES surveys of education institutions in the reporting period 1997–2006:

***Black, non-Hispanic***—A person having origins in any of the black racial groups of Africa (except those of Hispanic origin).

***American Indian or Alaska Native, non-Hispanic***—A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

***Asian or Pacific Islander, non-Hispanic***—A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands. These areas include, for example, China, Japan, Korea, the Philippine Islands, and Samoa.

***Hispanic***—A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

***White, non-Hispanic***—A person having origins in any of the original peoples of Europe, North Africa, or the Middle East (except those of Hispanic origin).

Persons who are U.S. citizens or foreign citizens admitted for permanent residence are classified into the above categories. The ethnic category "Hispanic" took precedence over the racial categories in the data collection. In addition, nonresident aliens, i.e., those admitted to the United States for temporary residence, are separately identified as a sixth category in the survey. Nonresident aliens are not reported in the aforementioned racial/ethnic groups. The definition used in the survey for this category is provided below.

***Nonresident alien***—A person who is not a citizen or national of the United States and who is in this country on a temporary basis and does not have the right to remain indefinitely. Resident aliens who are not citizens of the United States and who have been lawfully admitted for permanent residence (and who hold alien registration receipt cards—Form I-551/155) are to be reported in the appropriate racial/ethnic categories along with U.S. citizens.

In examining data on degrees awarded to minorities, it must be noted that 2%–6% of all science and engineering degrees awarded in 1997–2006 were reported as awarded to individuals whose race/ethnicity was unknown. The "unknown" category could affect trends and observable changes in the number and share of awards received by minority students, particularly if there are shifts from year to year in the number of degree recipients with unknown race/ethnicity. As data tables 1 and 2 indicate, the share of degrees awarded to individuals whose race/ethnicity was unknown varied somewhat by degree level.

This NSF report differs from those published by NCES in that data for the U.S. territories and the commonwealth of Puerto Rico are included, whereas NCES excludes them from most of its published reports. Primarily, data for Hispanics are affected because institutions in Puerto Rico are included.

## **Doctoral Degree Data**

In the period 1997–2006 the Survey of Earned Doctorates was funded jointly by NSF and five other federal agencies: the National Institutes of Health, the U.S. Department of Education, the U.S. Department of Agriculture, the National Endowment for the Humanities, and the National Aeronautics and Space Administration.

The survey collects information for the period of 1 July of one year to 30 June of the next from all persons who have fulfilled the requirements for a research doctorate. Survey forms are sent to all accredited doctorate-granting institutions for distribution by the graduate deans to all research doctorate recipients as they complete degree requirements. Information collected in the survey comprises demographic data, such as the student's sex, citizenship, ethnicity, and racial group; education history, including field of degrees; sources of graduate student support; employment status during the year preceding receipt of the doctorate; postgraduation plans; and background on parents' education.

The six racial/ethnic categories used in the reporting period 1997–2006 follow. A change to the format of the race/ethnicity item on the 2001 SED survey has affected the classification of some respondents since that time. Prior to 2001 respondents were instructed to mark one racial category. Beginning in 2001 respondents have been instructed to mark one or more racial categories, and those who choose multiple racial categories are counted within the "Other/unknown race/ethnicity" category.

***Black, non-Hispanic***—A person having origins in any of the black racial groups of Africa (except those of Hispanic origin).

***American Indian or Alaska Native, non-Hispanic***—A person having origins in any of the original peoples of North America and who maintains cultural identification through tribal affiliation or community recognition.

***Asian, non-Hispanic***—A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian Subcontinent. Native Hawaiians or Other Pacific Islanders were included in this category for the period 1997–2000.

***Native Hawaiian or Other Pacific Islander, non-Hispanic***—A person having origins in any of the original peoples of Hawaii or the Pacific Islands. Before 2001 this group was included in the category "Asian, non-Hispanic"; for the period 2001–06 this group is included in the category "Other/unknown race/ethnicity."

***Hispanic***—A person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race.

***White, non-Hispanic***—A person having origins in any of the original peoples of Europe, North Africa, or the Middle East (except those of Hispanic origin).

The ethnic category "Hispanic" took precedence over the racial categories in the data collection. Doctorate recipients who reported Hispanic heritage, regardless of racial designation, are counted as Hispanic. The remaining survey respondents are then counted in their respective racial groups or as "Other/unknown race/ethnicity." This category includes those who did not indicate a racial group, and, for 2001–06, those reporting "Native Hawaiian or Other Pacific Islander" and those choosing more than one race.

Persons who are U.S. citizens and foreign citizens admitted to the United States for permanent residence are classified into the above categories. Foreign citizens admitted to the United States for temporary residence are also classified into the above categories on the survey, but their data are reported as a separate category, "Temporary visa holder," in the tables. This category is equivalent to the "Nonresident alien" category for bachelor's and master's degree data collected by the IPEDS Completions Survey.

Approximately 92% of doctorate recipients complete and return the SED questionnaire. For nonrespondents, commencement programs, graduation lists, and other similar public records allow construction of partial records, limited to field of study, year of doctorate, doctoral institution, and sex, which are added to the data file. Nonresponse for race/ethnicity is not imputed for individuals, but the percentage unknown has been low (1%–3% of those with known citizenship; citizenship was unknown for 2%–7% of degree recipients). Data from any completed survey forms submitted belatedly by previous nonrespondents are added to the data file annually; therefore, data on doctorates are subject to revision and may differ slightly from reports published earlier. For more information on the SED, see <http://www.nsf.gov/statistics/doctorates/>.

## **Data Availability**

This report series is available online at <http://www.nsf.gov/statistics/degreerecipients/>; related reports on bachelor's, master's, and doctoral degrees are available at <http://www.nsf.gov/statistics/degrees/>. Data from the SED and related reports are available at <http://www.nsf.gov/statistics/srvydoctorates/> and through the Web-Based Computer-Aided Science Policy Analysis and Research (WebCASPAR) database system at <http://webcaspar.nsf.gov/>.

## Appendix B. Classification of Programs

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Science and engineering		Science and engineering	
Biological and agricultural sciences		Biological and agricultural sciences	
Agricultural sciences		Agricultural sciences	
01.0000	Agriculture, general	005	Agricultural animal breeding
01.0201	Agricultural mechanization, general	007	Animal husbandry
01.0204	Agricultural power machinery operation	010	Animal nutrition
01.0205	Agricultural mechanics and equipment/machine technology	012	Dairy science <sup>a</sup>
01.0299	Agricultural mechanization, other	014	Poultry science
01.0401	Agricultural and food products processing	019	Animal science, other
01.0501	Agricultural supplies retailing and wholesaling	020	Agronomy and crop science
01.0507	Equestrian/equine studies	025	Agricultural and horticultural plant breeding
01.0599	Agricultural and domestic animal services, other	030	Plant pathology/phytopathology (see also 120)
01.0701	International agriculture	032	Plant protection/pest management
01.0801	Agricultural and extension education services	039	Plant sciences, other
01.0802	Agricultural communication/journalism	040	Food sciences
01.0899	Agricultural public services, other	042	Food distribution
01.0901	Animal sciences, general	043	Food science
01.0902	Agricultural animal breeding	044	Food sciences and technology, other
01.0903	Animal health	045	Soil sciences
01.0904	Animal nutrition	046	Soil chemistry/microbiology
01.0905	Dairy science	049	Soil sciences, other
01.0906	Livestock management	050	Horticulture science
01.0907	Poultry science	054	Fish and wildlife
01.0999	Animal sciences, other	055	Fishing and fisheries sciences/management
01.1001	Food science	060	Wildlife management
01.1002	Food technology and processing	065	Forestry science
01.1099	Food science and technology, other	066	Forest sciences and biology
01.1101	Plant sciences, general	068	Forest engineering <sup>a</sup>
01.1102	Agronomy and crop science	070	Forest/resources management
01.1103	Horticultural science	072	Wood science and pulp/paper technology
01.1104	Agricultural and horticultural plant breeding	074	Natural resources/conservation
01.1105	Plant protection and integrated pest management	079	Forestry and related science, other
01.1106	Range science and management	080	Wildlife/range management
01.1199	Plant sciences, other	081/580	Environmental science
01.1201	Soil science and agronomy, general	098	Agriculture, general
01.1202	Soil chemistry and physics	099	Agricultural science, other
01.1299	Soil sciences, other		
01.9999	Agriculture, agriculture operations, and related sciences, other		
03.01	Natural resources conservation		
03.02	Natural resources management/protective services		
03.03	Fishing and fisheries sciences/management		
03.05	Forestry/forest management		
03.06	Wildlife/wildlands management		
03.99	Natural resources conservation, other		
26.0707	Animal physiology		
Biological sciences		Biological sciences	
26.0101	Biology/biological sciences, general	100	Biochemistry (see also 539)
26.0102	Biomedical sciences, general	103	Biomedical sciences
26.0202	Biochemistry	105	Biophysics (see also 565)
26.0203	Biophysics	107	Biotechnology
26.0204	Molecular biology	110	Bacteriology

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Biological sciences, continued		Biological sciences, continued	
26.0205	Molecular biochemistry	115	Plant genetics
26.0206	Molecular biophysics	120	Plant pathology/phytopathology (see also 030)
26.0207	Structural biology	125	Plant physiology
26.0209	Radiation biology/radiobiology	129	Botany/plant biology
26.0210	Biochemistry/biophysics and molecular biology	130	Anatomy
26.0299	Biochemistry, biophysics and molecular biology, other	133	Biometrics and biostatistics
26.0301	Botany/plant biology	136	Cell/cellular biology and histology
26.0305	Plant pathology/phytopathology	139	Ecology
26.0307	Plant physiology	142	Developmental biology/embryology
26.0308	Plant molecular biology	145	Endocrinology
26.0399	Botany/plant biology, other	148	Entomology
26.0401	Cell/cellular biology and histology	151	Immunology
26.0402	Molecular biology	154	Molecular biology
26.0403	Anatomy	157	Microbiology
26.0404	Developmental biology and embryology	160	Neurosciences
26.0405	Neuroanatomy	163	Nutrition sciences
26.0406	Cell/cellular and molecular biology	166	Parasitology
26.0407	Cell biology and anatomy	169	Toxicology
26.0499	Cell/cellular biology and anatomical sciences, other	170	Genetics, human and animal
26.0501	Microbiology/bacteriology	175	Pathology, human and animal
26.0502	Microbiology, general	180	Pharmacology, human and animal
26.0503	Medical microbiology and bacteriology	185	Physiology, human and animal
26.0504	Virology	189	Zoology, other
26.0505	Parasitology	198	Biology/biological sciences, general
26.0507	Immunology	199	Biology/biomedical sciences, other
26.0599	Microbiological sciences and immunology, other		
26.0601	Anatomy		
26.0603	Ecology		
26.0607	Marine/aquatic biology		
26.0608	Neuroscience		
26.0609	Nutritional sciences		
26.0610	Parasitology		
26.0611	Radiation biology/radiobiology		
26.0612	Toxicology		
26.0613	Genetics, plant and animal		
26.0614	Biometrics		
26.0615	Biostatistics		
26.0616	Biotechnology research		
26.0617	Evolutionary biology		
26.0618	Biological immunology		
26.0619	Virology		
26.0699	Miscellaneous biological specializations, other		
26.0701	Zoology/animal biology		
26.0702	Entomology		
26.0704	Pathology, human and animal		
26.0706	Physiology, human and animal		
26.0708	Animal behavior and ethology		
26.0709	Wildlife biology		
26.0788	Physiology, human and animal		
26.0799	Zoology/animal biology, other		
26.0801	Genetics, general		
26.0802	Molecular genetics		
26.0804	Animal genetics		

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Biological sciences, continued			
26.0805	Plant genetics		
26.0806	Human/medical genetics		
26.0888	Genetics, plant and animal		
26.0899	Genetics, other		
26.0901	Physiology, general		
26.0902	Molecular physiology		
26.0903	Cell physiology		
26.0904	Endocrinology		
26.0905	Reproductive biology		
26.0906	Neurobiology and neurophysiology		
26.0907	Cardiovascular science		
26.0908	Exercise physiology		
26.0909	Vision science/physiological optics		
26.0910	Pathology/experimental pathology		
26.0999	Physiology, pathology, and related sciences, other		
26.1001	Pharmacology		
26.1002	Molecular pharmacology		
26.1003	Neuropharmacology		
26.1004	Toxicology		
26.1005	Molecular toxicology		
26.1007	Pharmacology and toxicology		
26.1101	Biometry/biometrics		
26.1102	Biostatistics		
26.1199	Biomathematics and bioinformatics, other		
26.1201	Biotechnology		
26.1301	Ecology		
26.1302	Marine biology and biological oceanography		
26.1303	Evolutionary biology		
26.1304	Aquatic biology/limnology		
26.1305	Environmental biology		
26.1306	Population biology		
26.1307	Conservation biology		
26.1309	Epidemiology		
26.1399	Ecology, evolution, systematics and population biology, other		
26.9999	Biological and biomedical sciences, other		
30.1001	Biopsychology		
30.1901	Nutrition sciences		
30.2401	Neuroscience		
Computer sciences		Computer sciences	
11.0101	Computer and information sciences, general	400	Computer science
11.0102	Artificial intelligence and robotics	410	Information science and systems
11.0103	Information technology	419	Computer and information science, other <sup>D</sup>
11.0199	Computer and information sciences, other		
11.0201	Computer programming/programmer, general		
11.0202	Computer programming, specific applications		
11.0299	Computer programming, other		
11.0301	Data processing and data processing technology/technician		
11.0401	Information science/studies		
11.0501	Computer systems analysis/analyst		
11.0701	Computer science		
11.0801	Web page, digital/multimedia and information resources design		
11.0802	Data modeling/warehousing and database administration		



TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Computer sciences, continued			
11.0803	Computer graphics		
11.0899	Computer software and media applications, other		
11.0901	Computer systems networking and telecommunications		
11.1001	System administration/administrator		
11.1002	System, networking, and lan/wan management/manager		
11.1003	Computer and information systems security		
11.1004	Web/multimedia management and webmaster		
11.1099	Computer/info tech services administration and mgmt. other		
11.9999	Computer and information sciences and support services, other		
Earth, atmospheric, and ocean sciences		Earth, atmospheric, and ocean sciences	
Atmospheric sciences		Atmospheric sciences	
40.0401	Atmospheric sciences and meteorology, general	510	Atmospheric chemistry and climatology
40.0403	Atmospheric physics and dynamics	512	Atmospheric physics and dynamics
40.0404	Meteorology	514	Meteorology
40.0499	Atmospheric sciences and meteorology, other	518	Atmospheric science/meteorology, general
		519	Atmospheric science/meteorology, other
Earth sciences		Earth sciences	
40.0601	Geology/earth science, general	540	Geology
40.0602	Geochemistry	542	Geochemistry
40.0603	Geophysics and seismology	544	Geophysics and seismology
40.0604	Paleontology	545	Geophysics (solid earth)
40.0605	Hydrology and water resources science	546	Paleontology
40.0606	Geochemistry/petrology	548	Mineralogy and petrology
40.0699	Geological and earth sciences/geosciences, other	549	Mineralogy/petrology/geological chemistry
		550	Stratigraphy and sedimentation
		552	Geomorphology and glacial geology
		554	Applied geology
		555	Applied geology/geological engineering
		558	Geological and earth sciences, general
		559	Geological and earth sciences, other
		585	Hydrology and water resources
Oceanography		Oceanography	
40.0607	Oceanography, chemical and physical	590	Oceanography, chemical and physical
40.0702	Oceanography	595	Marine sciences
		599	Ocean/marine, other
Mathematics		Mathematics	
27.0101	Mathematics, general	420	Applied mathematics
27.0103	Analysis and functional analysis	425	Algebra
27.0199	Mathematics, other	430	Analysis and functional analysis
27.0301	Applied mathematics	435	Geometry/geometric analysis
27.0302	Operations research	440	Logic
27.0303	Computational mathematics	445	Number theory
27.0399	Applied mathematics, other	450	Statistics (see also 690)
27.0501	Statistics, general	455	Topology/foundations
27.0502	Mathematical statistics and probability	460	Computing theory and practice
27.0599	Statistics, other	465	Operations research (see also 393, 930)
27.9999	Mathematics and statistics, other	498	Mathematics/statistics, general
52.1302	Business statistics	499	Mathematics/statistics, other
52.1304	Actuarial science		

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Physical sciences		Physical sciences	
Astronomy		Astronomy	
40.0201	Astronomy	500	Astronomy
40.0202	Astrophysics	505	Astrophysics
40.0203	Planetary astronomy and science	506	Astronomy and astrophysics
40.0299	Astronomy and astrophysics, other		
40.0301	Astrophysics		
40.0703	Earth and planetary sciences		
Chemistry		Chemistry	
40.0501	Chemistry, general	520	Analytical chemistry
40.0502	Analytical chemistry	512	Agriculture and food chemistry
40.0503	Inorganic chemistry	522	Inorganic chemistry
40.0504	Organic chemistry	524	Nuclear chemistry <sup>a</sup>
40.0505	Medicinal/pharmaceutical chemistry	526	Organic chemistry
40.0506	Physical and theoretical chemistry	528	Medicinal/pharmaceutical chemistry <sup>e</sup>
40.0507	Polymer chemistry	530	Physical chemistry
40.0508	Chemical physics	532	Polymer chemistry
40.0599	Chemistry, other	534	Theoretical chemistry
51.2004	Medicinal and pharmaceutical chemistry	538	Chemistry, general
		539	Chemistry, other (see also 100)
Physics		Physics	
40.0801	Physics, general	560	Acoustics
40.0802	Atomic/molecular physics	561	Atomic/molecular/chemical physics
40.0804	Elementary particle physics	562	Electron physics
40.0805	Plasma and high-temperature physics	563	Electromagnetism
40.0806	Nuclear physics	564	Particle (elementary) physics
40.0807	Optics/optical sciences	565	Biophysics (see also 105) <sup>c</sup>
40.0808	Solid state and low-temperature physics	566	Fluids physics <sup>a</sup>
40.0809	Acoustics	567	Mechanics
40.0810	Theoretical and mathematical physics	568	Nuclear physics
40.0899	Physics, other	569	Optics/phototonics
		570	Plasma/fusion physics
		572	Polymer physics
		573	Thermal physics
		574	Condensed matter/low temperature physics
		575	Theoretical physics
		576	Applied physics <sup>c</sup>
		578	Physics, general
		579	Physics, other
Other physical sciences			
40.0101	Physical sciences		
40.0701	Metallurgy		
40.0799	Miscellaneous physical sciences, other		
40.9999	Physical sciences, other		
Psychology		Psychology	
42.0101	Psychology, general	600	Clinical psychology
42.0201	Clinical psychology	603	Cognitive psychology and psycholinguistics
42.0301	Cognitive psychology and psycholinguistics	606	Comparative psychology
42.0401	Community psychology	609	Counseling psychology
42.0501	Comparative psychology	612	Developmental and child psychology
42.0601	Counseling psychology	613	Human development and family studies

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Psychology, continued		Psychology, continued	
42.0701	Developmental and child psychology	615	Experimental psychology
42.0801	Experimental psychology	616	Experimental, comparative, and physiological
42.0901	Industrial and organizational psychology	618	Educational psychology (see also 822)
42.1001	Personality psychology	619	Human engineering
42.1101	Physiological psychology/psychobiology	620	Family psychology
42.1601	Social psychology	621	Industrial and organiz. psych. (see also 935)
42.1901	Psychometrics and quantitative psychology	624	Personality psychology
42.2001	Clinical child psychology	627	Physiological psychology/psychobiology
42.2101	Environmental psychology	630	Psychometrics <sup>a</sup>
42.2201	Geropsychology	633	Psychometrics and quantitative psychology
42.2301	Health/medical psychology	636	School psychology (see also 825)
42.2401	Psychopharmacology	639	Social psychology
42.2501	Family psychology	648	Psychology, general
42.2601	Forensic psychology	649	Psychology, other
42.9999	Psychology, other		
51.1507	Psychoanalysis and psychotherapy		
Social sciences		Social sciences	
Economics		Economics	
01.0103	Agricultural economics	000	Agricultural economics
45.0601	Economics, general	667	Economics
45.0602	Applied economics	668	Econometrics
45.0603	Econometrics and quantitative economics		
45.0604	Development economics and international development		
45.0605	International economics		
45.0699	Economics, other		
Political science		Political science	
44.0401	Public administration	674	International relations/affairs
44.0501	Public policy analysis	678	Political science and government
44.9999	Public administration and social service professions, other	679	Political science / public administration
45.0901	International relations and affairs	682	Public policy analysis
45.1001	Political science and government, general	976	Public administration
45.1002	American government and politics (United States)		
45.1099	Political science and government, other		
Sociology		Sociology	
45.0501	Demography and population studies	662	Demography/population studies
45.1101	Sociology	686	Sociology
Other social sciences		Other social sciences	
05	Area, ethnic, cultural, and gender studies	650	Anthropology
16.0102	Linguistics	652	Area studies
30.1101	Gerontology	658	Criminology
30.1501	Science, technology and society	670	Geography
30.1701	Behavioral sciences	676	Linguistics
30.2001	International/global studies	690	Statistics (see also 450)
30.2301	Intercultural/multicultural and diversity studies	694	Urban affairs/studies
45.0101	Social sciences, general	698	Social sciences, general
45.0201	Anthropology	699	Social sciences, other
45.0202	Physical anthropology	710	History/philosophy of science and technology
45.0299	Anthropology, other	770	American/U.S. studies
45.0301	Archeology	773	Archeology
45.0401	Criminology		
45.0701	Geography		

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Other social sciences, continued			
45.0799	Geography, other		
45.0804	History and philosophy of science		
45.1003	Canadian government and politics		
45.1201	Urban studies/affairs		
45.9999	Social sciences, other		
51.3201	Bioethics/medical ethics		
54.0104	History and philosophy of science and technology		
Engineering		Engineering	
Aeronautical/astronautical engineering		Aerospace, aeronautical and astronautical engineering	
14.0201	Aerospace, aeronautical and astronautical engineering	300	Aerospace, aeronautical and astronautical
Chemical engineering		Chemical engineering	
14.0701	Chemical engineering	312	Chemical engineering
14.2501	Petroleum engineering	366	Petroleum engineering
14.3201	Polymer/plastics engineering	369	Polymer and plastics engineering
		547	Fuel technology and petroleum engineering
Civil engineering		Civil engineering	
14.0401	Architectural engineering	315	Civil engineering
14.0801	Civil engineering, general	336	Environmental health engineering
14.0802	Geotechnical engineering		
14.0803	Structural engineering		
14.0804	Transportation and highway engineering		
14.0805	Water resources engineering		
14.0899	Civil engineering, other		
14.1401	Environmental/environmental health engineering		
Electrical engineering		Electrical engineering	
14.0901	Computer engineering, general	318	Communications engineering
14.0902	Computer hardware engineering	321	Computer engineering
14.0903	Computer software engineering	322	Electrical engineering
14.0999	Computer engineering, other	323	Electronics engineering
14.1001	Electrical, electronics and communications engineering	324	Electrical, electronics and communications
14.3801	Surveying engineering		
Mechanical engineering		Mechanical engineering	
14.1101	Engineering mechanics	327	Engineering mechanics
14.1901	Mechanical engineering	345	Mechanical engineering
Materials/metallurgical engineering		Materials/metallurgical engineering	
14.0601	Ceramic sciences and engineering	309	Ceramic sciences
14.1801	Materials engineering	342	Materials science
14.2001	Metallurgical engineering	348	Metallurgical engineering
14.3101	Materials science		
Other engineering		Other engineering	
14.0101	Engineering, general	303	Agricultural engineering
14.0301	Agricultural/biological engineering and bioengineering	306	Bioengineering and biomedical engineering
14.0501	Biomedical/medical engineering	330	Engineering physics
14.1201	Engineering physics	333	Engineering science
14.1301	Engineering science	339	Industrial and manufacturing engineering
14.1501	Geological engineering	351	Mining and mineral engineering
14.1601	Geophysical engineering	354	Naval architecture and marine engineering
14.1701	Industrial/manufacturing engineering	357	Nuclear engineering
14.2101	Mining and mineral engineering	360	Ocean engineering

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Other engineering, continued		Other engineering, continued	
14.2201	Naval architecture and marine engineering	363	Operations research (see also 465, 930)
14.2301	Nuclear engineering	372	Systems engineering
14.2401	Ocean engineering	375	Textile engineering
14.2701	Systems engineering	398	Engineering, general
14.2801	Textile sciences and engineering	399	Engineering, other
14.2901	Engineering design		
14.3301	Construction engineering		
14.3401	Forest engineering		
14.3501	Industrial engineering		
14.3588	Industrial/manufacturing engineering		
14.3601	Manufacturing engineering		
14.3901	Geological/geophysical engineering		
14.9999	Engineering, other		
45.0702	Cartography		
Non-science and engineering		Non-science and engineering	
Education		Education	
13	Education	800	Curriculum and instruction
31.0501	Health and physical education, general	805	Educational administration and supervision
31.0502	Adapted physical education/therapeutic recreation	807	Educational leadership
31.0503	Athletic training and sports medicine	810	Educational/instructional media design
31.0504	Sport and fitness administration/management	815	Educational statistics and research methods
31.0505	Kinesiology and exercise science	820	Educational assessment, testing and measurement
31.0506	Socio-psychological sports studies	822	Educational psychology (see also 618)
31.0599	Health and physical education/fitness, other	825	School psychology (see also 636)
39.0401	Religious education	830	Social/philosophical foundations of education
42.1701	School psychology	835	Special education
42.1801	Educational psychology	840	Counseling education/counseling and guidance
51.0913	Athletic training/trainer	845	Higher education/evaluation and research
		850	Pre-elementary/early childhood education
		852	Elementary education
		854	Junior high education
		856	Secondary education
		858	Adult and continuing teach education
		860	Agricultural education
		861	Art education
		862	Business education
		864	English education
		866	Foreign languages education
		868	Health education
		870	Family and consumer/human science (see also 964)
		872	Technical and industrial arts education
		874	Mathematics education
		876	Music education
		878	Nursing education
		880	Physical education and coaching
		882	Reading education
		884	Science education
		885	Social science education
		886	Speech education
		887,888	Trade and industrial education <sup>a</sup>
		889	Teacher education and professional development
		898	Education, general

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
		Education, continued	
		899	Education, other
Health		Health	
Medical sciences		Medical sciences	
19.0503	Dietetics/human nutritional services	205	Dentistry
26.0988	Medical physiology	210	Environmental health
26.1006	Environmental toxicology	211	Environmental toxicology <sup>c</sup>
51.0000	Health services/allied health/health sciences, general	215	Public health
51.0101	Chiropractic	219	Public health and epidemiology
51.0201	Communication disorders, general	220	Epidemiology
51.0202	Audiology/audiologist and hearing sciences	225	Medicine and surgery
51.0203	Speech-language pathology/pathologist	235	Optometry and ophthalmology
51.0204	Audiology/audiologist and speech-lang. pathology/pathologist	240	Pharmacy
51.0205	Sign language interpreter	250	Veterinary sciences
51.0299	Communication disorders sciences and services, other		
51.0301	Community health liaison	Other health sciences	
51.0401	Dentistry	200	Speech-language pathology and audiology
51.0501	Dental clinical sciences, general	212	Health systems/services administration
51.0502	Advanced general dentistry	222	Kinesiology/exercise science
51.0503	Oral biology and oral pathology	224	Hospital administration
51.0504	Dental public health and education	230	Nursing science
51.0505	Dental materials	245	Rehabilitation/therapeutic services
51.0506	Endodontics/endodontology	298	Health sciences, general
51.0507	Oral/maxillofacial surgery	299	Health sciences, other
51.0508	Orthodontics/orthodontology		
51.0509	Pediatric dentistry/pedodontics		
51.0510	Periodontics/periodontology		
51.0511	Prosthodontics/prosthodontology		
51.0599	Advanced/graduate dentistry and oral sciences, other		
51.0601	Dental assisting/assistant		
51.0602	Dental hygiene/hygienist		
51.0603	Dental laboratory technology/technician		
51.0699	Dental services and allied professions, other		
51.0701	Health/health care administration/management		
51.0702	Hospital and health care facilities administration/management		
51.0703	Health unit coordinator/ward clerk		
51.0704	Health unit manager/ward supervisor		
51.0705	Medical office management/administration		
51.0706	Health information/medical records administration/admin.		
51.0707	Health information/medical records technology/technician		
51.0708	Medical transcription/transcriptionist		
51.0710	Medical office assistant/specialist		
51.0711	Medical/health management and clinical assistant/specialist		
51.0713	Medical insurance coding specialist/coder		
51.0715	Health/medical claims examiner		
51.0716	Medical admin./executive assistant and medical secretary		
51.0717	Medical staff services technology/technician		
51.0799	Health and medical administrative services, other		
51.0801	Medical/clinical assistant		
51.0802	Clinical/medical laboratory assistant		
51.0803	Occupational therapist assistant		
51.0806	Physical therapist assistant		
51.0807	Physician assistant		

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Medical sciences, continued	
51.0808	Veterinary/animal health technology/technician/vet. asst	
51.0809	Anesthesiologist assistant	
51.0811	Pathology/pathologist assistant	
51.0812	Respiratory therapy technician/assistant	
51.0899	Allied health and medical assisting services, other	
51.0901	Cardiovascular technology/technologist	
51.0902	Electrocardiograph technology/technician	
51.0903	Electroneurodiagnostic/electroencephalographic tech/tech	
51.0904	Emergency medical technology/technician	
51.0905	Nuclear medical technology/technologist	
51.0906	Perfusion technology/perfusionist	
51.0907	Medical radiologic technology/science - radiation therapist	
51.0908	Respiratory care therapy/therapist	
51.0909	Surgical technology/technologist	
51.0910	Diagnostic med. sonography/sonographer and ultrasound tech.	
51.0911	Radiologic technology/science - radiographer	
51.0912	Physician assistant	
51.0914	Gene/genetic therapy	
51.0916	Radiation protection/health physics technician	
51.0999	Allied health diag./intervention/treatment professions, other	
51.1001	Blood bank technology specialist	
51.1002	Cytotechnology/cytotechnologist	
51.1003	Hematology technology/technician	
51.1004	Clinical/medical laboratory technician	
51.1005	Clinical laboratory science/medical technology/technologist	
51.1007	Histologic technology/histotechnologist	
51.1010	Cytogenetics/genetics/clinical genetics technology/tech.	
51.1099	Clinical/medical lab. science and allied professions, other	
51.1101	Pre-dentistry studies	
51.1102	Pre-medicine/pre-medical studies	
51.1103	Pre-pharmacy studies	
51.1104	Pre-veterinary studies	
51.1105	Pre-nursing studies	
51.1199	Health/medical preparatory programs, other	
51.1201	Medicine	
51.1301	Medical anatomy	
51.1302	Medical biochemistry	
51.1304	Medical physics/biophysics	
51.1305	Medical cell biology	
51.1306	Medical genetics	
51.1307	Medical immunology	
51.1308	Medical microbiology	
51.1309	Medical molecular biology	
51.1310	Medical neurobiology	
51.1311	Medical nutrition	
51.1312	Medical pathology	
51.1313	Medical physiology	
51.1314	Medical toxicology	
51.1399	Medical basic sciences, other	
51.1401	Medical scientist	
51.1501	Substance abuse/addiction counseling	
51.1502	Psychiatric/mental health services technician	
51.1503	Clinical/medical social work	

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Medical sciences, continued	
51.1504	Community health services/liaison/counseling	
51.1505	Marriage and family therapy/counseling	
51.1506	Clinical pastoral counseling/patient counseling	
51.1508	Mental health counseling/counselor	
51.1509	Genetic counseling/counselor	
51.1599	Mental and social health services and allied professions, other	
51.1601	Nursing/registered nurse	
51.1602	Nursing administration	
51.1503	Clinical/medical social work	
51.1604	Nurse anesthetist	
51.1605	Family practice nurse/nurse practitioner	
51.1606	Maternal/child health and neonatal nurse/nursing	
51.1607	Nurse midwife/nursing midwifery	
51.1608	Nursing science	
51.1609	Pediatric nurse/nursing	
51.1610	Psychiatric/mental health nurse/nursing	
51.1611	Public health/community nurse/nursing	
51.1612	Perioperative/operating room and surgical nurse/nursing	
51.1613	Licensed practical/vocational nurse training	
51.1614	Nurse/nursing assistant/aide and patient care assistant	
51.1616	Clinical nurse specialist	
51.1617	Critical care nursing	
51.1618	Occupational and environmental health nursing	
51.1699	Nursing, other	
51.1701	Optometry	
51.1802	Optometric technician/assistant	
51.1803	Ophthalmic technician/technologist	
51.1899	Ophthalmic/optometric support svcs and allied prof., other	
51.1901	Osteopathic medicine/osteopathy	
51.2001	Pharmacy	
51.2002	Pharmacy administration/policy/regulatory affairs	
51.2003	Pharmaceutics and drug design	
51.2005	Natural products chemistry and pharmacognosy	
51.2006	Clinical and industrial drug development	
51.2007	Pharmacoeconomics/pharmaceutical economics	
51.2008	Clinical, hospital, and managed care pharmacy	
51.2009	Industrial and physical pharmacy and cosmetic sciences	
51.2099	Pharmacy, pharmaceutical sciences, and administration, other	
51.2101	Podiatric medicine/podiatry	
51.2201	Public health, general	
51.2202	Environmental health	
51.2203	Epidemiology	
51.2204	Health and medical biostatistics	
51.2205	Health/medical physics	
51.2206	Occupational health and industrial hygiene	
51.2207	Public health education and promotion	
51.2208	Community health and preventive medicine	
51.2209	Maternal and child health	
51.2210	International public health/international health	
51.2211	Health services administration	
51.2299	Public health, other	
51.2301	Art therapy/therapist	
51.2302	Dance therapy/therapist	



TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Medical sciences, continued	
51.2304	Movement therapy	
51.2305	Music therapy/therapist	
51.2306	Occupational therapy/therapist	
51.2307	Orthotist/prosthetist	
51.2308	Physical therapy/therapist	
51.2309	Therapeutic recreation/recreational therapy	
51.2310	Vocational rehabilitation counseling/counselor	
51.2311	Kinesiotherapy/kinesiotherapist	
51.2312	Assistive/augmentative technology and rehab. engineering	
51.2399	Rehabilitation and therapeutic professions, other	
51.2401	Veterinary medicine	
51.2501	Veterinary sciences/veterinary clinical sci, gen	
51.2502	Veterinary anatomy	
51.2503	Veterinary physiology	
51.2504	Veterinary microbiology and immunobiology	
51.2505	Veterinary pathology and pathobiology	
51.2506	Veterinary toxicology and pharmacology	
51.2507	Large animal/food animal and equine surgery/medicine	
51.2508	Small/companion animal surgery and medicine	
51.2509	Comparative and laboratory animal medicine	
51.2510	Veterinary preventive med epidemiology/public health	
51.2511	Veterinary infectious diseases	
51.2599	Veterinary biomedical and clinical sciences, other	
51.2601	Health aide	
51.2701	Acupuncture and oriental medicine	
51.2702	Medical dietician	
51.2703	Medical illustration/medical illustrator	
51.2704	Naturopathic medicine	
51.2705	Psychoanalysis	
51.2706	Medical informatics	
51.3101	Dietetics/dietitian	
51.3102	Clinical nutrition/nutritionist	
51.3188	Dietetics/human nutritional services	
51.3199	Dietetics and clinical nutrition services, other	
51.3301	Acupuncture	
51.3302	Traditional Chinese/Asian medicine and Chinese herbology	
51.3303	Naturopathic medicine/naturopathy	
51.3305	Ayurvedic medicine/ayurveda	
51.3388	Acupuncture and oriental medicine	
51.3399	Alternative and complementary medicine and med. sys., other	
51.3401	Direct entry midwifery	
51.3499	Alternative and complementary med. support services, other	
51.3501	Massage therapy/therapeutic massage	
51.3502	Asian bodywork therapy	
51.3601	Movement therapy and movement education	
51.3699	Movement and mind-body therapies and education, other	
51.3702	Herbalism/herbalist	
51.9999	Health professions and related clinical sciences, other	
60.01	Dentistry	
60.02	Medicine/surgery	
60.03	Veterinary medicine	

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Humanities		Humanities	
English/literature		English/literature	
16.0104	Comparative literature	720	Classics
23.04	English composition	723	Comparative literature
23.0701	American literature (United States)	724	Folklore <sup>c</sup>
23.0702	American literature (Canadian)	725	English and American literature
23.0801	English literature (British and Commonwealth)	732	American literature
23.1001	Speech and rhetorical studies	733	English literature
23.1101	Technical and business writing	734	English language
23.9999	English language and literature/letters, other	736	Speech and rhetorical studies
		738	Letters, general
		739	Letters, other
Foreign languages/literatures		Foreign languages/literatures	
16.0101	Foreign languages and literatures, general	740	French
16.0103	Language interpretation and translation	743	German
16.0199	Linguistic/compar./related language studies and svcs., other	746	Italian
16.0201	African languages, literatures, and linguistics	749	Spanish
16.0300	East Asian languages, literatures, and linguistics, general	752	Russian
16.0301	Chinese language and literature	755	Slavic (other than Russian)
16.0302	Japanese language and literature	758	Chinese
16.0303	Korean language and literature	762	Japanese
16.0399	East Asian languages, literatures, and linguistics, other	765	Hebrew <sup>a</sup>
16.0400	Slavic languages, literatures, and linguistics, general	768	Arabic
16.0402	Russian language and literature	769	Other languages and literature
16.0403	Slavic languages and literatures (other than Russian)		
16.0406	Czech language and literature		
16.0407	Polish language and literature		
16.0499	Slavic/Baltic/Albanian lang., literatures, and linguistics, other		
16.0500	Germanic languages, literatures, and linguistics, general		
16.0501	German language and literature		
16.0502	Scandinavian languages, literatures, and linguistics		
16.0503	Danish language and literature		
16.0504	Dutch/Flemish language and literature		
16.0505	Norwegian language and literature		
16.0506	Swedish language and literature		
16.0599	Germanic languages, literatures, and linguistics, other		
16.0601	Modern Greek language and literature		
16.0602	Greek language and literature (modern)		
16.0700	South Asian languages, literatures, and linguistics, general		
16.0702	Sanskrit/classical Indian lang., literatures, and linguistics		
16.0703	South Asian languages and literatures		
16.0801	Iranian/Persian languages, literatures, and linguistics		
16.0900	Romance languages, literatures, and linguistics, general		
16.0901	French language and literature		
16.0902	Italian language and literature		
16.0904	Portuguese language and literature		
16.0905	Spanish language and literature		
16.0906	Romanian language and literature		
16.0999	Romance languages, literatures, and linguistics, other		
16.1001	American Indian/native American languages, lit and linguistics		
16.1100	Semitic languages, literatures, and linguistics, general		
16.1101	Arabic language and literature		
16.1102	Hebrew language and literature		
16.1103	Ancient near eastern/biblical languages, lit and linguistics		

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Foreign languages/literatures, continued			
16.1200	Classics/classical languages, lit and linguistics, general		
16.1201	Classics and classical languages and literatures		
16.1202	Ancient/classical Greek language and literature		
16.1203	Latin language and literature		
16.1299	Classics/classical languages, lit and linguistics, other		
16.1301	Celtic languages, literatures, and linguistics		
16.1404	Filipino/tagalong language and literature		
16.1601	American sign language		
16.1602	Linguistics of as and other sign languages		
16.1603	Sign language interpretation and translation		
16.1699	American sign language, other		
16.9999	Foreign languages, literatures, and linguistics, other		
History		History	
45.0801	History, general	700	American history
45.0802	American (United States) history	703	Asian history
45.0803	European history	705	European history
45.0805	Public/applied history and archival administration	706	African history <sup>c</sup>
45.0899	History, other	707	Latin American history <sup>c</sup>
54.0101	History, general	718	History, general
54.0102	American history (united states)	719	History, other
54.0103	European history		
54.0105	Public/applied history and archival administration		
54.0106	Asian history		
54.0199	History, other		
Religion/theology		Religion/theology	
38.0201	Religion/religious studies	790	Religion/religious studies (see also 984)
38.0202	Buddhist studies	791	Religion and theology
38.0203	Christian studies		
38.0205	Islamic studies		
38.0206	Jewish/Judaic studies		
38.0299	Religion/religious studies, other		
39.0101	Biblical and other theological languages and literatures		
39.0301	Missions/missionary studies and missiology		
39.0501	Religious/sacred music		
39.0601	Theology/theological studies		
39.0602	Divinity/ministry		
39.0603	Rabbinical and talmudic studies		
39.0604	Pre-theology/pre-ministerial studies		
39.0605	Rabbinical studies		
39.0606	Talmudic studies		
39.0699	Theological and ministerial studies, other		
39.0701	Pastoral studies/counseling		
39.0702	Youth ministry		
39.0799	Pastoral counseling and specialized ministries, other		
39.9999	Theology and religious vocations, other		
Other humanities		Other humanities	
24	Liberal arts and sciences, general studies and humanities	776	Art history/criticism/conservation
38.0101	Philosophy	780	Music
38.0102	Logic	785	Philosophy see also 440)
38.0103	Ethics	795	Drama/theater arts
38.0199	Philosophy, other	798	Humanities, general
38.9999	Philosophy and religious studies, other	799	Humanities, other

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Other humanities, continued			
50.05	Dramatic/theatre arts and stagecraft		
50.06	Film/video and photographic arts		
50.07	Fine and studio art		
50.09	Music		
Professional fields		Professional fields	
Business/management		Business management/administrative services	
01.0101	Agricultural business and management, general	002	Agricultural business an management <sup>a</sup>
01.0102	Agribusiness/agricultural business operations	900	Accounting
01.0104	Farm/farm and ranch management	905	Banking/financial support services
01.0105	Agricultural/farm supplies retailing and wholesaling	910	Business administration and management
01.0106	Agricultural business technology	915	Business/managerial economics
01.0199	Agricultural business and management, other	916	International business/trade/commerce
01.0301	Agricultural production operations, general	917	Management information systems/business data
01.0302	Animal/livestock husbandry and production	920	Marketing management and research
01.0303	Aquaculture	921	Human resources development <sup>c</sup>
01.0304	Crop production	930	Operations research (see also 363, 465)
01.0307	Horse husbandry/equine science and management	935	Organizational behavior (see also 621)
01.0399	Agricultural production operations, other	938	Business management/admin. services, general
01.0601	Applied horticulture/horticulture operations, general	939	Business management/admin. services, other
01.0603	Ornamental horticulture		
01.0605	Landscaping and groundskeeping		
01.0607	Turf and turfgrass management		
01.0608	Floriculture/floristry operations and management		
01.0699	Applied horticulture/horticultural business services, other		
08	Sales and marketing operations/marketing and distribution		
14.3001	Engineering/industrial management		
14.3701	Operations research		
15.1501	Engineering/industrial management		
52.0101	Business/commerce, general		
52.0201	Business administration and management, general		
52.0202	Purchasing, procurement/acquisitions and contracts mgmt.		
52.0203	Logistics and materials management		
52.0204	Office management and supervision		
52.0205	Operations management and supervision		
52.0206	Non-profit/public/organizational management		
52.0207	Customer service management		
52.0208	E-commerce/electronic commerce		
52.0209	Transportation/transportation management		
52.0299	Business administration, management and operations, other		
52.0301	Accounting		
52.0302	Accounting technology/technician and bookkeeping		
52.0303	Auditing		
52.0304	Accounting and finance		
52.0305	Accounting and business/management		
52.0399	Accounting and related services, other		
52.0401	Administrative assistant and secretarial science, general		
52.0402	Executive assistant/executive secretary		
52.0403	Legal administrative assistant/secretary		
52.0404	Medical administrative assistant/secretary		
52.0405	Court reporter		
52.0406	Receptionist		
52.0407	Business/office automation/technology/data entry		

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Business/management, continued	
52.0408	General office occupations and clerical services	
52.0499	Business operations support and secretarial services, other	
52.0501	Business/corporate communications	
52.0601	Business/managerial economics	
52.0701	Entrepreneurship/entrepreneurial studies	
52.0702	Franchising and franchise operations	
52.0703	Small business administration/management	
52.0799	Entrepreneurial and small business operations, other	
52.0802	Actuarial science	
52.0803	Banking and financial support services	
52.0804	Financial planning and services	
52.0805	Insurance and risk management	
52.0806	International finance	
52.0807	Investments and securities	
52.0808	Public finance	
52.0899	Finance and financial management services, other	
52.0901	Hospitality administration/management, general	
52.0902	Hotel/motel and restaurant management	
52.0903	Tourism and travel services management	
52.0904	Hotel/motel administration/management	
52.0905	Restaurant/food services management	
52.0906	Resort management	
52.0988	Hotel/motel and restaurant management	
52.0999	Hospitality administration/management, other	
52.1001	Human resources mgmt./personnel administration, general	
52.1002	Labor and industrial relations	
52.1003	Organizational behavior studies	
52.1004	Labor studies	
52.1005	Human resources development	
52.1099	Human resources management and services, other	
52.1101	International business/trade/commerce	
52.1201	Management information systems, general	
52.1202	Business computer programming/programmer	
52.1203	Business systems analysis and design	
52.1204	Business systems networking and telecommunications	
52.1205	Business computer facilities operator	
52.1206	Information resources management/cio training	
52.1207	Knowledge management	
52.1299	Management information systems and services, other	
52.1301	Management science, general	
52.1399	Management sciences and quantitative methods, other	
52.1401	Marketing/marketing management, general	
52.1402	Marketing research	
52.1403	International marketing	
52.1499	Marketing, other	
52.1501	Real estate	
52.1601	Taxation	
52.1701	Insurance	
52.1801	Sales, distribution, and marketing operations, general	
52.1802	Merchandising and buying operations	
52.1803	Retailing and retail operations	
52.1804	Selling skills and sales operations	
52.1899	General merchandising/sales/related mktg. operations, other	

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Business/management, continued			
52.1902	Fashion merchandising		
52.1904	Apparel and accessories marketing operations		
52.1905	Tourism and travel services marketing operations		
52.1906	Tourism promotion operations		
52.1907	Vehicle and vehicle parts and accessories mktg. operations		
52.1908	Business and personal/financial services marketing operations		
52.1909	Special products marketing operations		
52.1910	Hospitality and recreation marketing operations		
52.1999	Specialized merchandising, sales, and marketing operations, other		
52.2001	Construction management		
52.9999	Business, management, marketing and related support services, other		
Communication		Communication	
09	Communication, journalism and related programs	940	Communication research
10	Communications technologies/technicians and support svcs	945	Journalism
25	Library science	947	Mass communication/media studies
		957	Communication theory
		958	Communication, general
		959	Communication, other
		972	Library science
Other professional fields		Other professional fields	
04	Architecture and related services	960	Architectural environmental design
12	Personal and culinary services	964	Family/consumer sci./human sci. (see also 870)
15.0000	Engineering technology, general	968	Law
15.0101	Architectural engineering technology/technician	974	Parks, sports, recreation, leisure and fitness
15.0201	Civil engineering technology/technician	980	Social work
15.0301	Computer engineering technology/technician	984	Theology/religious education (see also 790)
15.0303	Electrical/electronic/commun. engin. technology/technician	988	Professional fields, general
15.0304	Laser and optical technology/technician	989	Professional fields, other
15.0305	Telecommunications technology/technician		
15.0399	Electrical/electronic engin. technologies/technicians, other	Other fields	
15.0401	Biomedical technology/technician	999	Other fields
15.0402	Computer maintenance technology/technician		
15.0403	Electromechanical technology/electromechanical engin. tech		
15.0404	Instrumentation technology/technician		
15.0405	Robotics technology/technician		
15.0499	Electromechanical instrumentation/maintenance techs, other		
15.0501	Heating/ac/refrigeration technology/technician		
15.0503	Energy management and systems technology/technician		
15.0505	Solar energy technology/technician		
15.0506	Water quality and wastewater treatment mgmt and recycling tech		
15.0507	Environmental engin. technology/environmental technology		
15.0508	Hazardous materials mgmt. and waste technology/technician		
15.0599	Environmental control technologies/technicians, other		
15.0603	Industrial/manufacturing technology/technician		
15.0607	Plastics engineering technology/technician		
15.0611	Metallurgical technology/technician		
15.0612	Industrial technology/technician		
15.0613	Manufacturing technology/technician		
15.0688	Industrial/manufacturing technology/technician		
15.0699	Industrial production technologies/technicians, other		
15.0701	Occupational safety and health technology/technician		

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Other professional fields, continued	
15.0702	Quality control technology/technician	
15.0703	Industrial safety technology/technician	
15.0799	Quality control and safety technologies/technicians, other	
15.0801	Aeronautical/aerospace engineering technology/technician	
15.0803	Automotive engineering technology/technician	
15.0805	Mechanical engineering/mechanical technology/technician	
15.0899	Mechanical engin. related technologies/technicians, other	
15.0901	Mining technology/technician	
15.0903	Petroleum technology/technician	
15.0999	Mining and petroleum technologies/technicians, other	
15.1001	Construction engineering technology/technician	
15.1101	Engineering technology/technician, general	
15.1102	Surveying technology/surveying	
15.1103	Hydraulics and fluid power technology/technician	
15.1199	Engineering-related technologies, other	
15.1201	Computer engineering technology/technician	
15.1202	Computer technology/computer systems technology	
15.1204	Computer software technology/technician	
15.1299	Computer engineering technologies/technicians, other	
15.1301	Drafting and design technology/technician, general	
15.1302	Cad/cadd drafting and/or design technology/technician	
15.1305	Electrical/electronics drafting and electrical/elect cad/cadd	
15.1306	Mechanical drafting and mechanical drafting cad/cadd	
15.1399	Drafting/design engineering technologies/technicians, other	
15.1401	Nuclear engineering technology/technician	
15.9999	Engineering technologies/technicians, other	
19.0000	Work and family studies	
19.0101	Family and consumer sciences/human sciences, general	
19.0201	Business family and consumer sciences/human sciences	
19.0202	Family and consumer sciences/human sciences commun.	
19.0203	Consumer merchandising/retailing management	
19.0299	Family/consumer sciences/human sci. bus. svcs, other	
19.0301	Family and community studies	
19.0401	Family resource management studies, general	
19.0402	Consumer economics	
19.0403	Consumer services and advocacy	
19.0499	Family and consumer economics and related services, other	
19.0501	Foods, nutrition, and wellness studies, general	
19.0502	Foods and nutrition science	
19.0504	Human nutrition	
19.0505	Foodservice systems administration/management	
19.0599	Foods, nutrition, and related services, other	
19.0601	Housing and human environments, general	
19.0603	Interior environments	
19.0604	Facilities planning and management	
19.0699	Housing and human environments, other	
19.0701	Human development and family studies, general	
19.0702	Adult development and aging	
19.0703	Family and marriage counseling	
19.0704	Family systems	
19.0705	Gerontological services	
19.0706	Child development	
19.0707	Family and community services	

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
	Other professional fields, continued	
19.0708	Child care and support services management	
19.0709	Child care provider/assistant	
19.0799	Human development, family studies, and related svcs, other	
19.0901	Apparel and textiles, general	
19.0902	Apparel and textile manufacture	
19.0904	Textile science	
19.0905	Apparel and textile marketing management	
19.0906	Fashion and fabric consultant	
19.9999	Family and consumer sciences/human sciences, other	
20	Vocational and home economics	
22	Legal professions and studies	
29	Military technologies	
30.0101	Biological and physical sciences	
30.0501	Peace studies and conflict resolution	
30.0601	Systems science and theory	
30.0801	Mathematics and computer science	
30.1201	Historic preservation and conservation	
30.1202	Cultural resource management and policy analysis	
30.1299	Historic preservation and conservation, other	
30.1301	Medieval and renaissance studies	
30.1401	Museology/museum studies	
30.1601	Accounting and computer science	
30.1801	Natural sciences	
30.2101	Holocaust and related studies	
30.2201	Ancient studies/civilization	
30.2202	Classical/ancient medit./near eastern studies and archaeology	
30.2501	Cognitive science	
30.9999	Multi-/interdisciplinary studies, other	
31.0101	Parks, recreation and leisure studies	
31.0301	Parks, recreation and leisure facilities management	
31.9999	Parks, recreation, leisure, and fitness studies, other	
41	Science technologies/technicians	
43	Security and protective services	
44.0000	Human services, general	
44.0201	Community organization and advocacy	
44.0701	Social work	
44.0702	Youth services/administration	
44.0799	Social work, other	
46	Construction trades	
47	Mechanic and repair	
48	Precision production	
49	Transportation and materials moving	
95.9500	Undesignated field of study	

<sup>a</sup> Field dropped in 2004.

<sup>b</sup> Field introduced in 2001.

<sup>c</sup> Field introduced in 2004.

<sup>d</sup> Field code was listed as 887 on the 2004-2006 questionnaires.



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