



Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1995-2004

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General Notes

This publication is based on data obtained from two surveys. Bachelor's and master's degree data were collected by the National Center for Education Statistics, U.S. Department of Education, from all accredited institutions of higher education. Data on doctorates are from the Survey of Earned Doctorates, a universe survey of individual doctorate recipients sponsored by the National Science Foundation (NSF) and five other federal agencies.

These data cover earned degrees conferred in the aggregate United States, which comprises 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 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., 2004 means the 12-month period ending June 2004.

Earlier data for science fields are provided in *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1977-91*, NSF 94-306. Please note, however, that before 1985, the broad category "engineering" included engineering technologies. In the present report, "engineering" excludes engineering technologies, making trend data by race/ethnicity more consistent with the definition of science and engineering used in other NSF reports. Data on engineering technologies degrees are provided in tables 31 and 32, and the reader can add in these data to have "engineering" correspond to the earlier report (NSF 94-306).

Data Tables

Table	Distribution of degrees awarded: 1995–2004 by citizenship, race/ethnicity, and sex of recipients
1	bachelor's degrees
2	master's degrees
3	doctoral degrees
	Bachelor's degrees: 1995–2004 by field, citizenship, and race/ethnicity of recipients
4	all recipients
5	men
6	women
	Master's degrees: 1995–2004 by field, citizenship, and race/ethnicity of recipients
7	all recipients
8	men
9	women
	Doctoral degrees: 1995–2004 by field, citizenship, and race/ethnicity of recipients
10	all recipients
11	men
12	women
	Degrees awarded to blacks: 1995–2004 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
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19	all recipients
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22	all recipients
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- 24 women
- master's degrees
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- 26 men
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- doctoral degrees
- 28 all recipients
- 29 men
- 30 women

Engineering technologies degrees: 1995–2004

by citizenship, race/ethnicity, and sex of recipients

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

Health fields degrees: 1995–2004

by citizenship, race/ethnicity, and sex of recipients

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- 35 master's degrees
- 36 doctoral degrees

First professional degrees: 1995–2004

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: 1995–2004
(Percent distribution)

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
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 ^a	96.1	96.2	96.2	96.2	96.2	96.1	96.1	96.0	95.9
Asian/Pacific Islander	7.6	7.9	8.4	8.7	8.9	9.1	9.0	9.0	9.0
Underrepresented minorities	13.3	13.9	14.6	15.1	15.9	16.1	16.2	16.3	16.4
American Indian/Alaskan Native	0.5	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7
Black, non-Hispanic	7.1	7.4	7.7	7.9	8.3	8.3	8.4	8.3	8.4
Hispanic	5.6	5.9	6.3	6.6	7.0	7.1	7.2	7.3	7.3
White, non-Hispanic	72.9	72.0	70.7	69.8	67.8	66.9	66.5	65.8	65.1
Other/unknown race/ethnicity	2.3	2.4	2.5	2.7	3.5	4.0	4.4	4.9	5.4
Nonresident aliens ^b	3.9	3.8	3.8	3.8	3.8	3.9	3.9	4.0	4.1
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 ^a	95.1	95.2	95.3	95.3	95.4	95.2	95.3	95.2	95.1
Asian/Pacific Islander	7.8	8.2	8.7	9.1	9.4	9.6	9.5	9.5	9.4
Underrepresented minorities	11.0	11.4	11.9	12.4	13.0	13.2	13.1	13.1	13.2
American Indian/Alaskan Native	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.6
Black, non-Hispanic	5.3	5.5	5.7	5.8	6.1	6.1	6.1	6.1	6.1
Hispanic	5.2	5.4	5.7	6.0	6.3	6.4	6.4	6.5	6.5
White, non-Hispanic	74.0	73.1	72.0	71.1	69.5	68.4	68.3	67.5	66.9
Other/unknown race/ethnicity	2.4	2.5	2.6	2.7	3.5	4.0	4.4	5.0	5.6
Nonresident aliens ^b	4.9	4.8	4.7	4.7	4.6	4.8	4.7	4.8	4.9
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 ^a	97.3	97.2	97.2	97.2	97.0	96.9	96.8	96.7	96.7
Asian/Pacific Islander	7.3	7.6	8.0	8.3	8.5	8.6	8.6	8.5	8.7
Underrepresented minorities	16.0	16.6	17.4	17.9	18.8	18.9	19.2	19.4	19.6
American Indian/Alaskan Native	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8
Black, non-Hispanic	9.2	9.5	9.8	10.0	10.4	10.5	10.6	10.6	10.7
Hispanic	6.2	6.6	6.9	7.2	7.7	7.7	7.9	8.1	8.1
White, non-Hispanic	71.7	70.7	69.4	68.4	66.2	65.5	64.7	64.1	63.2
Other/unknown race/ethnicity	2.3	2.3	2.4	2.6	3.5	3.9	4.3	4.7	5.2
Nonresident aliens ^b	2.7	2.8	2.8	2.8	3.0	3.1	3.2	3.3	3.3

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

NOTES: 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: 1995–2004
(Percent distribution)

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
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 ^a	76.4	77.3	77.3	75.9	74.1	72.3	72.2	70.0	70.2
Asian/Pacific Islander	6.4	6.6	6.6	7.0	7.3	7.1	6.9	7.0	7.2
Underrepresented minorities	7.9	8.2	9.0	9.3	10.1	10.8	10.7	10.8	11.0
American Indian/Alaskan Native	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.5
Black, non-Hispanic	4.5	4.6	5.2	5.2	5.7	6.2	6.2	6.3	6.3
Hispanic	3.1	3.2	3.4	3.7	3.9	4.1	4.1	4.1	4.3
White, non-Hispanic	57.9	58.1	57.5	55.7	52.1	49.3	48.8	46.3	45.9
Other/unknown race/ethnicity	4.3	4.3	4.1	3.9	4.7	5.1	5.8	5.9	6.0
Nonresident aliens ^b	23.6	22.7	22.7	24.1	25.9	27.7	27.8	30.0	29.8
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 ^a	71.7	73.2	72.9	71.6	69.7	67.0	66.9	64.2	64.0
Asian/Pacific Islander	6.6	6.7	6.5	7.0	7.3	7.2	6.8	7.0	7.2
Underrepresented minorities	6.3	6.4	7.1	7.3	7.9	8.0	8.0	8.0	7.9
American Indian/Alaskan Native	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.3
Black, non-Hispanic	3.2	3.3	3.6	3.7	4.1	4.1	4.1	4.2	4.0
Hispanic	2.8	2.9	3.1	3.2	3.5	3.5	3.5	3.5	3.6
White, non-Hispanic	54.6	55.6	55.3	53.5	50.0	46.8	46.4	43.4	43.1
Other/unknown race/ethnicity	4.3	4.4	3.9	3.8	4.5	5.0	5.6	5.8	5.8
Nonresident aliens ^b	28.3	26.8	27.1	28.4	30.3	33.0	33.1	35.8	36.0
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 ^a	84.2	83.6	83.6	82.1	80.0	79.1	79.1	77.6	78.1
Asian/Pacific Islander	5.9	6.5	6.7	6.9	7.3	7.0	6.9	7.1	7.2
Underrepresented minorities	10.6	10.9	11.9	12.1	12.8	14.4	14.2	14.5	15.1
American Indian/Alaskan Native	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.6
Black, non-Hispanic	6.5	6.7	7.5	7.3	7.9	8.9	8.9	9.1	9.3
Hispanic	3.7	3.8	3.9	4.3	4.4	4.9	4.9	4.9	5.1
White, non-Hispanic	63.4	61.9	60.7	58.9	54.9	52.5	51.9	50.0	49.4
Other/unknown race/ethnicity	4.3	4.3	4.3	4.1	5.0	5.3	6.1	6.1	6.3
Nonresident aliens ^b	15.8	16.4	16.4	17.9	20.0	20.9	20.9	22.4	21.9

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

NOTES: 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: 1995–2004
(Percent distribution)

Citizenship and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
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 ^a	71.6	68.5	67.5	66.9	67.7	65.9	64.0	63.1	62.1	59.8
Asian ^b	13.8	11.3	9.3	7.8	7.4	6.6	6.3	6.6	6.0	5.7
Underrepresented minorities	4.5	4.7	5.0	5.5	6.0	5.9	5.7	6.0	5.8	5.8
American Indian/Alaska Native	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2
Black, non-Hispanic	2.1	2.1	2.3	2.4	2.8	2.7	2.8	2.8	2.6	2.8
Hispanic	2.2	2.3	2.4	2.8	2.8	2.8	2.6	2.9	2.9	2.7
White, non-Hispanic	52.3	51.4	50.8	51.3	52.9	51.8	49.9	48.5	47.5	45.7
Other/unknown race/ethnicity ^c	1.0	1.0	2.5	2.3	1.4	1.7	2.0	2.0	2.8	2.6
Nonresident aliens ^d	26.4	28.8	27.6	28.5	27.9	29.5	31.2	31.3	33.2	34.7
Citizenship unknown	2.0	2.8	4.9	4.6	4.3	4.6	4.8	5.6	4.6	5.5
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 ^a	66.7	63.3	63.0	62.1	62.7	60.4	58.3	57.3	56.5	54.1
Asian ^b	14.1	11.4	9.1	7.7	7.3	6.2	5.8	6.1	5.5	5.0
Underrepresented minorities	3.7	4.0	4.2	4.4	4.6	4.5	4.4	4.5	4.4	4.4
American Indian/Alaska Native	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.2	0.2	0.2
Black, non-Hispanic	1.6	1.7	1.8	1.6	2.1	1.9	2.0	2.0	1.8	2.0
Hispanic	1.9	1.9	2.2	2.4	2.2	2.3	2.1	2.2	2.4	2.2
White, non-Hispanic	47.9	46.9	47.3	47.8	49.4	48.0	46.2	44.7	43.8	42.2
Other/unknown race/ethnicity ^c	1.0	1.1	2.4	2.3	1.5	1.7	2.0	2.0	2.7	2.6
Nonresident aliens ^d	31.7	34.3	33.0	33.7	33.4	35.1	37.1	37.2	39.2	40.7
Citizenship unknown	1.6	2.4	4.0	4.1	3.9	4.5	4.6	5.5	4.3	5.2
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 ^a	83.4	80.5	78.2	76.7	77.9	75.9	74.1	73.2	72.0	69.7
Asian ^b	13.4	11.3	10.0	8.1	7.9	7.2	7.3	7.4	6.7	6.9
Underrepresented minorities	6.3	6.5	6.6	7.7	8.6	8.4	8.0	8.5	8.3	8.2
American Indian/Alaska Native	0.3	0.4	0.4	0.4	0.6	0.5	0.3	0.4	0.4	0.3
Black, non-Hispanic	3.2	2.9	3.2	3.8	4.1	4.2	4.0	4.0	4.0	4.3
Hispanic	2.8	3.2	3.0	3.5	4.0	3.7	3.6	4.1	3.9	3.7
White, non-Hispanic	62.9	61.8	58.9	58.8	60.1	58.7	56.6	55.0	54.1	51.9
Other/unknown race/ethnicity ^c	0.8	1.0	2.8	2.1	1.3	1.7	2.2	2.2	2.9	2.7
Nonresident aliens ^d	15.1	17.3	17.0	18.8	18.1	19.8	21.1	21.4	23.6	24.9
Citizenship unknown	1.5	2.1	4.8	4.5	4.0	4.2	4.9	5.4	4.4	5.5

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Includes Native Hawaiians and other Pacific Islanders prior to 2001.

^c Includes Native Hawaiians and other Pacific Islanders and multiple race/ethnicity from 2001 forward.

^d Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	1,174,436	1,179,815	1,186,589	1,199,579	1,253,121	1,257,648	1,305,730	1,359,843	1,407,009
Science and engineering	378,148	384,674	388,482	390,618	398,622	400,206	415,611	439,434	454,978
Science	314,777	321,560	326,130	329,704	339,086	340,948	354,972	375,661	390,303
Agricultural sciences	14,580	16,388	17,361	17,967	18,244	17,467	17,360	17,693	17,041
Biological sciences	56,890	62,081	65,139	67,112	64,904	62,089	61,768	61,929	63,892
Computer sciences	24,769	24,545	25,393	27,674	37,388	43,184	49,135	56,329	57,405
Earth, atmospheric, and ocean sciences	4,478	4,457	4,466	4,321	4,047	3,968	3,984	3,949	3,903
Mathematical sciences	13,851	13,076	12,723	12,094	11,735	11,455	12,273	12,882	13,755
Physical sciences	14,897	15,396	15,264	15,273	14,580	14,163	14,016	14,122	14,240
Astronomy	169	148	140	168	160	240	276	271	292
Chemistry	10,016	10,713	10,926	10,873	10,390	9,822	9,448	9,332	9,305
Physics	3,836	3,703	3,393	3,455	3,362	3,457	3,651	3,922	4,156
Other physical sciences	876	832	805	777	668	644	641	597	487
Psychology	72,601	73,828	74,734	74,457	74,654	74,168	77,323	79,115	82,510
Social sciences	112,711	111,789	111,050	110,806	113,534	114,454	119,113	129,642	137,557
Engineering	63,371	63,114	62,352	60,914	59,536	59,258	60,639	63,773	64,675
Chemical engineering	6,391	6,708	6,977	6,721	6,219	6,088	5,946	5,545	5,185
Civil engineering	11,329	12,053	12,010	11,522	9,596	8,949	8,891	9,367	9,399
Electrical engineering	17,579	16,667	16,434	16,322	17,672	18,371	18,977	20,729	21,342
Mechanical engineering	15,141	14,509	13,806	13,363	13,109	13,160	13,377	14,044	14,368
Other engineering	12,931	13,177	13,125	12,986	12,940	12,690	13,448	14,088	14,381
Non-science and engineering	796,288	795,141	798,107	808,961	854,499	857,442	890,119	920,409	952,031
Education	140,755	141,147	140,463	142,481	147,259	144,437	146,177	147,270	147,893
Health	72,326	76,267	77,769	76,959	71,584	66,751	64,533	65,076	68,511
Humanities	151,097	150,076	148,094	151,977	161,136	163,994	173,476	182,902	190,919
Professional/other/unknown	432,110	427,651	431,781	437,544	474,520	482,260	505,933	525,161	544,708
U.S. citizens and permanent residents, all fields ^a	1,137,424	1,142,028	1,147,815	1,160,692	1,214,326	1,218,169	1,264,606	1,317,020	1,362,834
Science and engineering	363,463	369,927	373,745	375,909	383,438	384,492	399,288	421,730	436,372
Science	304,902	311,576	316,190	319,638	328,435	329,653	342,916	362,232	376,244
Agricultural sciences	14,322	16,118	17,108	17,674	17,986	17,219	17,098	17,423	16,792
Biological sciences	55,607	60,714	63,677	65,689	63,528	60,652	60,311	60,417	62,253
Computer sciences	22,472	22,359	23,378	25,537	34,502	39,792	45,247	51,643	52,544
Earth, atmospheric, and ocean sciences	4,405	4,403	4,388	4,239	4,001	3,919	3,925	3,892	3,853
Mathematical sciences	13,258	12,525	12,190	11,641	11,256	11,029	11,819	12,260	13,073
Physical sciences	14,247	14,764	14,671	14,680	14,048	13,605	13,471	13,599	13,649
Astronomy	159	140	132	157	156	227	260	256	282
Chemistry	9,620	10,298	10,530	10,488	10,046	9,487	9,105	9,006	8,955
Physics	3,613	3,510	3,217	3,277	3,202	3,275	3,484	3,754	3,967
Other physical sciences	855	816	792	758	644	616	622	583	445
Psychology	71,659	72,812	73,685	73,287	73,390	72,885	75,956	77,721	81,039
Social sciences	108,932	107,881	107,093	106,891	109,724	110,552	115,089	125,277	133,041
Engineering	58,561	58,351	57,555	56,271	55,003	54,839	56,372	59,498	60,128
Chemical engineering	5,867	6,139	6,406	6,214	5,774	5,664	5,499	5,186	4,817
Civil engineering	10,892	11,615	11,536	11,012	9,137	8,537	8,520	9,018	9,084
Electrical engineering	15,462	14,680	14,564	14,485	15,836	16,529	17,108	18,677	19,069
Mechanical engineering	14,360	13,727	12,898	12,566	12,320	12,416	12,694	13,448	13,754
Other engineering	11,980	12,190	12,151	11,994	11,936	11,693	12,551	13,169	13,404
Non-science and engineering	773,961	772,101	774,070	784,783	830,888	833,677	865,318	895,290	926,462
Education	139,175	139,353	138,615	140,670	145,568	142,580	144,221	145,518	145,987
Health	71,490	75,327	76,823	76,264	70,884	65,849	63,857	64,260	67,707
Humanities	147,323	146,267	144,073	147,999	157,062	160,066	169,296	178,665	186,650
Professional/other/unknown	415,973	411,154	414,559	419,850	457,374	465,182	487,944	506,847	526,118

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	59,295	63,117	67,358	69,988	75,265	75,496	79,149	83,049	86,030
Science and engineering	28,604	30,419	32,568	34,004	35,553	36,398	37,452	39,552	41,090
Science	21,819	23,619	25,483	27,002	28,699	29,373	30,331	32,140	33,465
Agricultural sciences	282	307	396	439	454	399	411	459	415
Biological sciences	7,045	7,967	8,541	8,869	8,025	7,493	7,209	7,213	7,698
Computer sciences	2,371	2,454	2,803	3,220	5,401	6,326	7,207	8,073	7,462
Earth, atmospheric, and ocean sciences	102	93	95	92	98	86	85	73	85
Mathematical sciences	964	910	852	834	891	916	1,000	1,153	1,244
Physical sciences	1,245	1,466	1,525	1,584	1,462	1,344	1,217	1,143	1,229
Astronomy	13	15	7	12	9	12	24	16	18
Chemistry	986	1,172	1,280	1,337	1,208	1,126	978	893	960
Physics	214	236	204	208	218	184	184	204	223
Other physical sciences	32	43	34	27	27	22	31	30	28
Psychology	3,331	3,666	4,067	4,267	4,188	4,150	4,241	4,060	4,345
Social sciences	6,479	6,756	7,204	7,697	8,180	8,659	8,961	9,966	10,987
Engineering	6,785	6,800	7,085	7,002	6,854	7,025	7,121	7,412	7,625
Chemical engineering	652	735	874	897	788	702	636	563	527
Civil engineering	942	986	1,017	909	646	521	482	500	493
Electrical engineering	2,769	2,688	2,663	2,757	3,143	3,522	3,774	3,966	4,083
Mechanical engineering	1,249	1,177	1,135	1,128	1,002	998	892	939	928
Other engineering	1,173	1,214	1,396	1,311	1,275	1,282	1,337	1,444	1,594
Non-science and engineering	30,691	32,698	34,790	35,984	39,712	39,098	41,697	43,497	44,940
Education	2,820	3,026	3,061	3,236	3,565	3,447	3,528	3,294	3,293
Health	2,979	3,448	3,817	4,082	3,871	3,505	3,331	3,225	3,252
Humanities	5,795	6,329	6,351	6,519	6,994	7,144	7,745	8,240	8,670
Professional/other/unknown	19,097	19,895	21,561	22,147	25,282	25,002	27,093	28,738	29,725
Underrepresented minorities, all fields	158,432	167,382	174,243	181,709	200,967	205,284	214,804	226,851	237,697
Science and engineering	50,265	53,432	56,568	58,855	63,519	64,407	67,309	71,598	74,834
Science	43,548	46,458	49,103	51,457	56,053	57,251	59,883	63,847	66,819
Agricultural sciences	760	984	1,072	1,191	1,274	1,250	1,274	1,301	1,310
Biological sciences	6,618	7,660	8,260	9,235	9,564	9,671	9,411	9,762	9,853
Computer sciences	3,941	3,800	3,858	4,251	5,824	6,916	7,897	9,575	9,885
Earth, atmospheric, and ocean sciences	174	188	201	213	221	248	224	203	227
Mathematical sciences	1,538	1,551	1,633	1,635	1,573	1,484	1,572	1,524	1,519
Physical sciences	1,758	1,888	1,862	1,934	2,038	1,939	1,965	1,883	1,919
Astronomy	9	9	4	13	10	20	15	17	27
Chemistry	1,348	1,462	1,508	1,528	1,656	1,543	1,519	1,484	1,457
Physics	290	310	278	310	289	303	360	328	373
Other physical sciences	111	107	72	83	83	73	71	54	62
Psychology	10,691	11,534	12,425	12,876	14,217	14,301	14,981	15,362	16,327
Social sciences	18,068	18,853	19,792	20,122	21,342	21,442	22,559	24,237	25,779
Engineering	6,717	6,974	7,465	7,398	7,466	7,156	7,426	7,751	8,015
Chemical engineering	681	699	781	809	805	745	732	671	645
Civil engineering	1,077	1,206	1,348	1,383	1,249	1,136	1,145	1,157	1,220
Electrical engineering	2,192	2,142	2,240	2,170	2,413	2,440	2,584	2,811	3,032
Mechanical engineering	1,486	1,538	1,519	1,461	1,493	1,446	1,441	1,479	1,512
Other engineering	1,281	1,389	1,577	1,575	1,506	1,389	1,524	1,633	1,606
Non-science and engineering	108,167	113,950	117,675	122,854	137,448	140,877	147,495	155,253	162,863
Education	17,062	18,345	19,119	19,750	21,762	20,977	21,089	21,652	21,850
Health	8,222	9,105	9,585	10,425	11,157	11,011	11,385	11,598	12,341
Humanities	15,680	16,574	16,854	18,247	20,005	20,511	21,622	22,960	23,944
Professional/other/unknown	67,203	69,926	72,117	74,432	84,524	88,378	93,399	99,043	104,728

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	6,454	6,813	7,238	7,706	8,431	8,664	8,668	9,242	9,914
Science and engineering	1,995	2,149	2,298	2,392	2,611	2,796	2,642	2,876	3,216
Science	1,774	1,906	2,035	2,138	2,283	2,540	2,334	2,556	2,883
Agricultural sciences	124	139	146	151	190	215	158	163	187
Biological sciences	285	317	341	399	379	431	410	364	402
Computer sciences	110	89	99	112	172	271	229	263	416
Earth, atmospheric, and ocean sciences	26	23	31	25	43	35	26	24	31
Mathematical sciences	58	53	57	65	69	51	57	65	59
Physical sciences	72	81	69	81	65	73	83	94	76
Astronomy	0	0	0	0	2	2	2	4	1
Chemistry	57	57	54	64	49	47	57	71	50
Physics	13	21	11	14	12	19	21	17	20
Other physical sciences	2	3	4	3	2	5	3	2	5
Psychology	407	470	496	515	518	561	542	544	596
Social sciences	692	734	796	790	847	903	829	1,039	1,116
Engineering	221	243	263	254	328	256	308	320	333
Chemical engineering	31	31	29	31	42	31	33	34	29
Civil engineering	58	59	71	62	84	65	67	67	64
Electrical engineering	43	55	50	53	81	56	70	99	88
Mechanical engineering	55	57	45	47	53	51	61	58	73
Other engineering	34	41	68	61	68	53	77	62	79
Non-science and engineering	4,459	4,664	4,940	5,314	5,820	5,868	6,026	6,366	6,698
Education	1,060	1,108	1,145	1,171	1,236	1,204	1,244	1,279	1,317
Health	379	424	466	512	462	424	437	449	500
Humanities	798	774	833	872	1,022	1,035	991	1,087	1,223
Professional/other/unknown	2,222	2,358	2,496	2,759	3,100	3,205	3,354	3,551	3,658
Black, non-Hispanic, all fields	85,287	89,554	92,067	95,878	104,212	106,648	111,032	117,257	122,618
Science and engineering	26,911	28,397	29,825	30,751	32,924	33,290	34,796	36,607	38,328
Science	24,066	25,397	26,748	27,732	29,861	30,406	31,814	33,533	35,116
Agricultural sciences	253	341	367	409	450	428	454	452	450
Biological sciences	3,232	3,812	4,124	4,553	4,739	4,693	4,634	4,774	4,997
Computer sciences	2,517	2,427	2,432	2,666	3,497	4,291	4,954	5,867	5,934
Earth, atmospheric, and ocean sciences	64	60	57	70	51	56	62	60	65
Mathematical sciences	958	942	1,016	966	905	808	843	790	784
Physical sciences	970	1,040	1,053	1,057	1,090	996	1,018	928	958
Astronomy	3	3	0	2	1	2	3	1	3
Chemistry	738	789	861	824	888	827	796	744	756
Physics	172	176	148	179	152	133	182	147	166
Other physical sciences	57	72	44	52	49	34	37	36	33
Psychology	5,741	6,028	6,647	6,852	7,572	7,562	7,747	8,011	8,479
Social sciences	10,331	10,747	11,052	11,159	11,557	11,572	12,102	12,651	13,449
Engineering	2,845	3,000	3,077	3,019	3,063	2,884	2,982	3,074	3,212
Chemical engineering	305	337	373	385	383	373	346	317	303
Civil engineering	326	409	403	401	403	329	317	292	320
Electrical engineering	1,048	1,035	1,067	1,047	1,049	1,082	1,103	1,284	1,393
Mechanical engineering	604	632	642	548	594	515	561	471	504
Other engineering	562	587	592	638	634	585	655	710	692
Non-science and engineering	58,376	61,157	62,242	65,127	71,288	73,358	76,236	80,650	84,290
Education	9,021	9,697	10,230	10,556	11,053	10,549	10,340	10,450	10,225
Health	4,986	5,435	5,645	6,182	6,692	6,543	6,778	6,745	7,212

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	7,300	7,619	7,736	8,182	8,918	9,050	9,562	10,016	10,489
Professional/other/unknown	37,069	38,406	38,631	40,207	44,625	47,216	49,556	53,439	56,364
Hispanic, all fields	66,691	71,015	74,938	78,125	88,324	89,972	95,104	100,352	105,165
Science and engineering	21,359	22,886	24,445	25,712	27,984	28,321	29,871	32,115	33,290
Science	17,708	19,155	20,320	21,587	23,909	24,305	25,735	27,758	28,820
Agricultural sciences	383	504	559	631	634	607	662	686	673
Biological sciences	3,101	3,531	3,795	4,283	4,446	4,547	4,367	4,624	4,454
Computer sciences	1,314	1,284	1,327	1,473	2,155	2,354	2,714	3,445	3,535
Earth, atmospheric, and ocean sciences	84	105	113	118	127	157	136	119	131
Mathematical sciences	522	556	560	604	599	625	672	669	676
Physical sciences	716	767	740	796	883	870	864	861	885
Astronomy	6	6	4	11	7	16	10	12	23
Chemistry	553	616	593	640	719	669	666	669	651
Physics	105	113	119	117	125	151	157	164	187
Other physical sciences	52	32	24	28	32	34	31	16	24
Psychology	4,543	5,036	5,282	5,509	6,127	6,178	6,692	6,807	7,252
Social sciences	7,045	7,372	7,944	8,173	8,938	8,967	9,628	10,547	11,214
Engineering	3,651	3,731	4,125	4,125	4,075	4,016	4,136	4,357	4,470
Chemical engineering	345	331	379	393	380	341	353	320	313
Civil engineering	693	738	874	920	762	742	761	798	836
Electrical engineering	1,101	1,052	1,123	1,070	1,283	1,302	1,411	1,428	1,551
Mechanical engineering	827	849	832	866	846	880	819	950	935
Other engineering	685	761	917	876	804	751	792	861	835
Non-science and engineering	45,332	48,129	50,493	52,413	60,340	61,651	65,233	68,237	71,875
Education	6,981	7,540	7,744	8,023	9,473	9,224	9,505	9,923	10,308
Health	2,857	3,246	3,474	3,731	4,003	4,044	4,170	4,404	4,629
Humanities	7,582	8,181	8,285	9,193	10,065	10,426	11,069	11,857	12,232
Professional/other/unknown	27,912	29,162	30,990	31,466	36,799	37,957	40,489	42,053	44,706
White, non-Hispanic, all fields	892,785	884,128	877,759	878,018	895,129	888,412	912,956	940,495	962,887
Science and engineering	275,819	276,786	274,800	272,561	270,416	267,848	276,379	289,244	296,026
Science	232,053	233,643	233,134	231,987	231,349	229,081	236,656	247,419	254,169
Agricultural sciences	12,873	14,399	15,246	15,616	15,655	14,950	14,729	14,925	14,353
Biological sciences	40,697	43,739	45,387	45,912	43,907	41,325	41,288	40,887	41,910
Computer sciences	15,601	15,577	15,846	17,069	21,719	24,491	27,506	30,458	30,357
Earth, atmospheric, and ocean sciences	4,012	4,010	3,986	3,803	3,561	3,436	3,450	3,442	3,338
Mathematical sciences	10,486	9,799	9,432	8,903	8,395	8,173	8,756	8,976	9,639
Physical sciences	10,940	11,078	10,934	10,763	10,096	9,812	9,701	9,934	9,833
Astronomy	132	107	112	127	131	185	204	212	220
Chemistry	7,112	7,487	7,537	7,370	6,900	6,505	6,268	6,281	6,153
Physics	3,004	2,842	2,623	2,652	2,543	2,625	2,742	2,970	3,128
Other physical sciences	692	642	662	614	522	497	487	471	332
Psychology	55,914	55,905	55,346	54,225	52,397	51,562	53,324	54,676	56,515
Social sciences	81,530	79,136	76,957	75,696	75,619	75,332	77,902	84,121	88,224
Engineering	43,766	43,143	41,666	40,574	39,067	38,767	39,723	41,825	41,857
Chemical engineering	4,417	4,577	4,631	4,405	4,062	4,061	3,976	3,746	3,483
Civil engineering	8,646	9,117	8,940	8,481	7,003	6,615	6,624	7,032	7,011
Electrical engineering	10,079	9,427	9,293	9,174	9,715	9,891	9,975	10,957	10,934
Mechanical engineering	11,332	10,688	9,919	9,656	9,467	9,541	9,876	10,516	10,756
Other engineering	9,292	9,334	8,883	8,858	8,820	8,659	9,272	9,574	9,673
Non-science and engineering	616,966	607,342	602,959	605,457	624,713	620,564	636,577	651,251	666,861
Education	117,280	115,855	114,286	115,222	116,788	114,053	114,724	115,268	115,251

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	58,801	61,112	61,542	59,796	53,885	49,389	46,633	46,762	48,726
Humanities	121,950	119,210	116,587	118,604	123,131	124,586	130,935	137,232	142,610
Professional/other/unknown	318,935	311,165	310,544	311,835	330,909	332,536	344,285	351,989	360,274
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	26,912	27,401	28,455	30,977	42,965	48,977	57,697	66,625	76,220
Science and engineering	8,775	9,290	9,809	10,489	13,950	15,839	18,148	21,336	24,422
Science	7,482	7,856	8,470	9,192	12,334	13,948	16,046	18,826	21,791
Agricultural sciences	407	428	394	428	603	620	684	738	714
Biological sciences	1,247	1,348	1,489	1,673	2,032	2,163	2,403	2,555	2,792
Computer sciences	559	528	871	997	1,558	2,059	2,637	3,537	4,840
Earth, atmospheric, and ocean sciences	117	112	106	131	121	149	166	174	203
Mathematical sciences	270	265	273	269	397	456	491	607	671
Physical sciences	304	332	350	399	452	510	588	639	668
Astronomy	5	9	9	5	6	10	17	11	17
Chemistry	174	177	205	253	282	313	340	348	385
Physics	105	122	112	107	152	163	198	252	243
Other physical sciences	20	24	24	34	12	24	33	28	23
Psychology	1,723	1,707	1,847	1,919	2,588	2,872	3,410	3,623	3,852
Social sciences	2,855	3,136	3,140	3,376	4,583	5,119	5,667	6,953	8,051
Engineering	1,293	1,434	1,339	1,297	1,616	1,891	2,102	2,510	2,631
Chemical engineering	117	128	120	103	119	156	155	206	162
Civil engineering	227	306	231	239	239	265	269	329	360
Electrical engineering	422	423	368	384	565	676	775	943	1,020
Mechanical engineering	293	324	325	321	358	431	485	514	558
Other engineering	234	253	295	250	335	363	418	518	531
Non-science and engineering	18,137	18,111	18,646	20,488	29,015	33,138	39,549	45,289	51,798
Education	2,013	2,127	2,149	2,462	3,453	4,103	4,880	5,304	5,593
Health	1,488	1,662	1,879	1,961	1,971	1,944	2,508	2,675	3,388
Humanities	3,898	4,154	4,281	4,629	6,932	7,825	8,994	10,233	11,426
Professional/other/unknown	10,738	10,168	10,337	11,436	16,659	19,266	23,167	27,077	31,391
Nonresident aliens, all fields ^b	37,012	37,787	38,774	38,887	38,795	39,479	41,124	42,823	44,175
Science and engineering	14,685	14,747	14,737	14,709	15,184	15,714	16,323	17,704	18,606
Science	9,875	9,984	9,940	10,066	10,651	11,295	12,056	13,429	14,059
Agricultural sciences	258	270	253	293	258	248	262	270	249
Biological sciences	1,283	1,367	1,462	1,423	1,376	1,437	1,457	1,512	1,639
Computer sciences	2,297	2,186	2,015	2,137	2,886	3,392	3,888	4,686	4,861
Earth, atmospheric, and ocean sciences	73	54	78	82	46	49	59	57	50
Mathematical sciences	593	551	533	453	479	426	454	622	682
Physical sciences	650	632	593	593	532	558	545	523	591
Astronomy	10	8	8	11	4	13	16	15	10
Chemistry	396	415	396	385	344	335	343	326	350
Physics	223	193	176	178	160	182	167	168	189
Other physical sciences	21	16	13	19	24	28	19	14	42
Psychology	942	1,016	1,049	1,170	1,264	1,283	1,367	1,394	1,471
Social sciences	3,779	3,908	3,957	3,915	3,810	3,902	4,024	4,365	4,516
Engineering	4,810	4,763	4,797	4,643	4,533	4,419	4,267	4,275	4,547
Chemical engineering	524	569	571	507	445	424	447	359	368
Civil engineering	437	438	474	510	459	412	371	349	315
Electrical engineering	2,117	1,987	1,870	1,837	1,836	1,842	1,869	2,052	2,273
Mechanical engineering	781	782	908	797	789	744	683	596	614
Other engineering	951	987	974	992	1,004	997	897	919	977
Non-science and engineering	22,327	23,040	24,037	24,178	23,611	23,765	24,801	25,119	25,569

TABLE 4. Bachelor's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	1,580	1,794	1,848	1,811	1,691	1,857	1,956	1,752	1,906
Health	836	940	946	695	700	902	676	816	804
Humanities	3,774	3,809	4,021	3,978	4,074	3,928	4,180	4,237	4,269
Professional/other/unknown	16,137	16,497	17,222	17,694	17,146	17,078	17,989	18,314	18,590

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	531,146	528,000	525,282	525,714	536,158	536,023	553,957	575,977	596,192
Science and engineering	202,217	203,341	201,471	200,221	197,669	197,623	204,408	218,057	225,566
Science	149,796	151,543	150,589	150,646	150,349	150,279	156,456	167,254	174,148
Agricultural sciences	8,943	9,884	10,094	10,224	9,780	8,976	8,726	8,734	8,327
Biological sciences	26,972	29,216	29,873	30,011	26,946	25,005	24,073	23,408	23,979
Computer sciences	17,706	17,773	18,490	20,235	26,914	31,284	35,631	41,139	42,999
Earth, atmospheric, and ocean sciences	2,954	2,972	2,924	2,722	2,430	2,346	2,282	2,298	2,256
Mathematical sciences	7,360	7,084	6,834	6,435	6,131	5,958	6,511	7,003	7,437
Physical sciences	9,605	9,694	9,382	9,279	8,590	8,252	8,034	8,238	8,238
Astronomy	117	93	94	110	106	145	160	161	169
Chemistry	5,783	6,091	6,043	5,900	5,483	5,047	4,719	4,650	4,550
Physics	3,161	3,019	2,741	2,789	2,638	2,701	2,825	3,082	3,248
Other physical sciences	544	491	504	480	363	359	330	345	271
Psychology	19,638	19,965	19,491	19,057	17,540	16,701	17,397	17,616	18,302
Social sciences	56,618	54,955	53,501	52,683	52,018	51,757	53,802	58,818	62,610
Engineering	52,421	51,798	50,882	49,575	47,320	47,344	47,952	50,803	51,418
Chemical engineering	4,367	4,537	4,701	4,525	4,016	4,033	3,823	3,532	3,352
Civil engineering	9,031	9,629	9,441	8,946	7,263	6,908	6,667	7,118	7,120
Electrical engineering	15,409	14,695	14,416	14,310	15,322	15,829	16,257	17,820	18,310
Mechanical engineering	13,441	12,773	12,171	11,727	11,325	11,421	11,594	12,183	12,416
Other engineering	10,173	10,164	10,153	10,067	9,394	9,153	9,611	10,150	10,220
Non-science and engineering	328,929	324,659	323,811	325,493	338,489	338,400	349,549	357,920	370,626
Education	47,201	47,929	47,073	47,522	48,187	46,413	46,232	45,562	45,672
Health	12,499	13,467	13,940	13,378	11,480	10,719	9,625	9,767	9,985
Humanities	66,039	65,322	64,323	65,596	67,879	68,449	72,378	75,385	78,890
Professional/other/unknown	203,190	197,941	198,475	198,997	210,943	212,819	221,314	227,206	236,079
U.S. citizens and permanent residents, all fields ^a	510,030	506,569	503,659	504,262	515,544	515,173	532,641	553,720	573,326
Science and engineering	192,357	193,643	191,991	190,784	188,521	188,164	194,763	207,565	214,526
Science	144,180	145,988	145,230	145,224	144,928	144,462	150,326	160,260	166,746
Agricultural sciences	8,773	9,725	9,932	10,055	9,647	8,857	8,613	8,616	8,225
Biological sciences	26,350	28,603	29,204	29,331	26,399	24,425	23,535	22,815	23,341
Computer sciences	16,037	16,195	17,048	18,722	24,933	28,948	32,975	37,923	39,554
Earth, atmospheric, and ocean sciences	2,905	2,936	2,875	2,674	2,401	2,310	2,249	2,268	2,231
Mathematical sciences	7,002	6,705	6,514	6,149	5,827	5,692	6,233	6,608	7,052
Physical sciences	9,181	9,293	9,000	8,898	8,266	7,929	7,719	7,936	7,895
Astronomy	110	86	87	102	105	138	151	154	165
Chemistry	5,560	5,875	5,821	5,689	5,298	4,892	4,547	4,490	4,384
Physics	2,981	2,851	2,598	2,640	2,518	2,565	2,704	2,958	3,110
Other physical sciences	530	481	494	467	345	334	317	334	236
Psychology	19,406	19,690	19,236	18,761	17,266	16,431	17,089	17,336	17,998
Social sciences	54,526	52,841	51,421	50,634	50,189	49,870	51,913	56,758	60,450
Engineering	48,177	47,655	46,761	45,560	43,593	43,702	44,437	47,305	47,780
Chemical engineering	3,969	4,112	4,287	4,139	3,713	3,723	3,505	3,296	3,104
Civil engineering	8,666	9,261	9,059	8,515	6,901	6,586	6,377	6,839	6,894
Electrical engineering	13,475	12,914	12,761	12,666	13,769	14,258	14,675	16,073	16,390
Mechanical engineering	12,700	12,026	11,324	10,984	10,613	10,741	10,963	11,655	11,871
Other engineering	9,367	9,342	9,330	9,256	8,597	8,394	8,917	9,442	9,521
Non-science and engineering	317,673	312,926	311,668	313,478	327,023	327,009	337,878	346,155	358,800
Education	46,347	46,980	46,148	46,576	47,377	45,523	45,361	44,747	44,801
Health	12,289	13,271	13,697	13,207	11,329	10,529	9,463	9,591	9,838
Humanities	64,527	63,781	62,754	64,097	66,277	66,915	70,790	73,751	77,312
Professional/other/unknown	194,510	188,894	189,069	189,598	202,040	204,042	212,264	218,066	226,849

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	28,348	29,954	31,732	32,588	34,568	34,205	35,739	37,776	38,395
Science and engineering	15,738	16,676	17,626	18,176	18,572	18,975	19,348	20,717	21,135
Science	10,398	11,312	12,015	12,741	13,382	13,634	14,081	15,160	15,527
Agricultural sciences	126	136	167	188	180	143	161	177	149
Biological sciences	3,467	3,880	4,008	4,181	3,565	3,213	2,884	2,841	2,906
Computer sciences	1,589	1,703	1,954	2,328	3,660	4,280	4,855	5,531	5,187
Earth, atmospheric, and ocean sciences	51	67	46	45	53	43	37	44	44
Mathematical sciences	513	520	472	444	447	482	515	602	671
Physical sciences	733	841	835	858	783	687	622	589	628
Astronomy	10	8	3	9	5	2	12	11	8
Chemistry	528	627	659	664	599	536	464	406	434
Physics	173	181	145	170	162	138	130	150	170
Other physical sciences	22	25	28	15	17	11	16	22	16
Psychology	969	1,125	1,205	1,223	1,038	1,044	1,117	1,072	1,049
Social sciences	2,950	3,040	3,328	3,474	3,656	3,742	3,890	4,304	4,893
Engineering	5,340	5,364	5,611	5,435	5,190	5,341	5,267	5,557	5,608
Chemical engineering	402	464	548	553	436	404	323	302	294
Civil engineering	671	716	763	636	457	372	311	319	310
Electrical engineering	2,311	2,280	2,262	2,298	2,613	2,881	3,035	3,215	3,278
Mechanical engineering	1,055	1,016	970	966	830	830	743	782	719
Other engineering	901	888	1,068	982	854	854	855	939	1,007
Non-science and engineering	12,610	13,278	14,106	14,412	15,996	15,230	16,391	17,059	17,260
Education	1,283	1,354	1,226	1,280	1,522	1,391	1,408	1,314	1,200
Health	713	796	917	973	904	817	668	690	637
Humanities	2,213	2,472	2,449	2,562	2,681	2,615	2,966	3,060	3,204
Professional/other/unknown	8,401	8,656	9,514	9,597	10,889	10,407	11,349	11,995	12,219
Underrepresented minorities, all fields	61,542	64,369	66,191	68,448	73,662	75,206	77,368	81,109	84,996
Science and engineering	22,171	23,251	24,038	24,788	25,666	26,022	26,719	28,618	29,797
Science	17,254	18,195	18,626	19,425	20,367	20,918	21,513	23,057	24,076
Agricultural sciences	424	533	542	580	598	582	573	568	560
Biological sciences	2,449	2,941	3,060	3,462	3,272	3,276	3,058	3,039	2,991
Computer sciences	2,206	2,100	2,214	2,409	3,400	4,123	4,652	5,640	6,116
Earth, atmospheric, and ocean sciences	111	113	111	107	123	125	131	117	105
Mathematical sciences	791	811	838	818	791	715	742	776	742
Physical sciences	887	931	880	953	909	912	877	872	848
Astronomy	6	5	1	10	7	11	11	6	19
Chemistry	599	646	628	668	665	650	585	590	531
Physics	223	226	206	221	191	221	252	248	262
Other physical sciences	59	54	45	54	46	30	29	28	36
Psychology	2,688	2,876	3,000	3,073	3,202	3,109	3,224	3,169	3,292
Social sciences	7,698	7,890	7,981	8,023	8,072	8,076	8,256	8,876	9,422
Engineering	4,917	5,056	5,412	5,363	5,299	5,104	5,206	5,561	5,721
Chemical engineering	372	336	412	411	413	385	377	355	342
Civil engineering	789	889	983	1,010	878	798	784	794	837
Electrical engineering	1,721	1,697	1,764	1,734	1,906	1,903	2,005	2,191	2,345
Mechanical engineering	1,222	1,245	1,222	1,152	1,199	1,161	1,132	1,193	1,218
Other engineering	813	889	1,031	1,056	903	857	908	1,028	979
Non-science and engineering	39,371	41,118	42,153	43,660	47,996	49,184	50,649	52,491	55,199
Education	5,758	6,262	6,353	6,620	7,428	7,187	7,132	7,285	7,381
Health	1,297	1,453	1,555	1,770	1,680	1,732	1,668	1,692	1,810
Humanities	6,181	6,589	6,811	7,346	7,834	8,018	8,446	8,778	9,366
Professional/other/unknown	26,135	26,814	27,434	27,924	31,054	32,247	33,403	34,736	36,642

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	2,669	2,811	2,915	3,079	3,357	3,523	3,415	3,606	3,957
Science and engineering	990	1,022	1,043	1,122	1,166	1,318	1,177	1,252	1,462
Science	814	827	847	915	927	1,126	943	1,006	1,219
Agricultural sciences	82	81	76	83	100	118	89	72	98
Biological sciences	128	143	157	191	156	194	163	134	145
Computer sciences	73	50	71	76	113	193	144	181	323
Earth, atmospheric, and ocean sciences	17	16	15	12	22	19	17	16	11
Mathematical sciences	28	30	29	38	31	28	29	30	37
Physical sciences	49	58	42	53	33	40	43	46	47
Astronomy	0	0	0	0	1	0	1	1	1
Chemistry	37	37	33	40	23	24	25	31	25
Physics	11	19	8	12	8	13	14	12	17
Other physical sciences	1	2	1	1	1	3	3	2	4
Psychology	120	132	124	147	128	156	125	120	127
Social sciences	317	317	333	315	344	378	333	407	431
Engineering	176	195	196	207	239	192	234	246	243
Chemical engineering	22	17	21	25	30	22	21	25	18
Civil engineering	41	44	47	48	58	39	49	44	47
Electrical engineering	38	51	43	48	68	48	60	78	68
Mechanical engineering	48	51	36	40	41	39	44	51	61
Other engineering	27	32	49	46	42	44	60	48	49
Non-science and engineering	1,679	1,789	1,872	1,957	2,191	2,205	2,238	2,354	2,495
Education	337	361	357	396	422	417	368	368	463
Health	77	72	94	116	87	72	77	74	84
Humanities	348	358	392	364	421	444	406	464	503
Professional/other/unknown	917	998	1,029	1,081	1,261	1,272	1,387	1,448	1,445
Black, non-Hispanic, all fields	30,998	32,223	32,726	33,653	35,648	36,378	37,206	38,991	40,692
Science and engineering	10,712	11,230	11,495	11,698	11,976	11,963	12,421	13,221	13,729
Science	8,866	9,266	9,475	9,721	10,003	10,105	10,530	11,203	11,613
Agricultural sciences	115	170	171	179	183	167	179	196	168
Biological sciences	981	1,236	1,304	1,448	1,380	1,326	1,276	1,258	1,307
Computer sciences	1,253	1,223	1,253	1,372	1,827	2,302	2,630	3,117	3,267
Earth, atmospheric, and ocean sciences	45	31	37	33	27	32	30	33	25
Mathematical sciences	458	449	483	462	434	357	373	374	337
Physical sciences	450	451	429	488	445	416	407	377	366
Astronomy	3	2	0	1	1	2	2	0	1
Chemistry	295	304	302	340	327	314	277	255	246
Physics	122	111	101	114	89	90	113	106	104
Other physical sciences	30	34	26	33	28	10	15	16	15
Psychology	1,402	1,418	1,591	1,544	1,646	1,557	1,537	1,563	1,573
Social sciences	4,162	4,288	4,207	4,195	4,061	3,948	4,098	4,285	4,570
Engineering	1,846	1,964	2,020	1,977	1,973	1,858	1,891	2,018	2,116
Chemical engineering	140	127	165	165	169	179	156	149	149
Civil engineering	214	266	275	254	256	215	191	181	187
Electrical engineering	735	778	777	782	753	759	781	929	1,019
Mechanical engineering	449	451	459	398	443	381	407	348	366
Other engineering	308	342	344	378	352	324	356	411	395
Non-science and engineering	20,286	20,993	21,231	21,955	23,672	24,415	24,785	25,770	26,963
Education	3,076	3,348	3,524	3,744	3,859	3,706	3,662	3,658	3,627
Health	671	745	750	861	880	908	836	825	879

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	2,692	2,899	2,970	3,139	3,293	3,375	3,613	3,615	3,870
Professional/other/unknown	13,847	14,001	13,987	14,211	15,640	16,426	16,674	17,672	18,587
Hispanic, all fields	27,875	29,335	30,550	31,716	34,657	35,305	36,747	38,512	40,347
Science and engineering	10,469	10,999	11,500	11,968	12,524	12,741	13,121	14,145	14,606
Science	7,574	8,102	8,304	8,789	9,437	9,687	10,040	10,848	11,244
Agricultural sciences	227	282	295	318	315	297	305	300	294
Biological sciences	1,340	1,562	1,599	1,823	1,736	1,756	1,619	1,647	1,539
Computer sciences	880	827	890	961	1,460	1,628	1,878	2,342	2,526
Earth, atmospheric, and ocean sciences	49	66	59	62	74	74	84	68	69
Mathematical sciences	305	332	326	318	326	330	340	372	368
Physical sciences	388	422	409	412	431	456	427	449	435
Astronomy	3	3	1	9	5	9	8	5	17
Chemistry	267	305	293	288	315	312	283	304	260
Physics	90	96	97	95	94	118	125	130	141
Other physical sciences	28	18	18	20	17	17	11	10	17
Psychology	1,166	1,326	1,285	1,382	1,428	1,396	1,562	1,486	1,592
Social sciences	3,219	3,285	3,441	3,513	3,667	3,750	3,825	4,184	4,421
Engineering	2,895	2,897	3,196	3,179	3,087	3,054	3,081	3,297	3,362
Chemical engineering	210	192	226	221	214	184	200	181	175
Civil engineering	534	579	661	708	564	544	544	569	603
Electrical engineering	948	868	944	904	1,085	1,096	1,164	1,184	1,258
Mechanical engineering	725	743	727	714	715	741	681	794	791
Other engineering	478	515	638	632	509	489	492	569	535
Non-science and engineering	17,406	18,336	19,050	19,748	22,133	22,564	23,626	24,367	25,741
Education	2,345	2,553	2,472	2,480	3,147	3,064	3,102	3,259	3,291
Health	549	636	711	793	713	752	755	793	847
Humanities	3,141	3,332	3,449	3,843	4,120	4,199	4,427	4,699	4,993
Professional/other/unknown	11,371	11,815	12,418	12,632	14,153	14,549	15,342	15,616	16,610
White, non-Hispanic, all fields	407,155	399,132	392,541	389,007	388,171	383,832	394,159	405,401	416,122
Science and engineering	149,650	148,562	145,094	142,372	137,288	135,184	139,654	147,247	150,995
Science	112,834	112,555	110,483	108,720	105,503	103,474	107,367	113,069	116,708
Agricultural sciences	7,974	8,799	9,010	9,062	8,554	7,829	7,550	7,503	7,187
Biological sciences	19,805	21,087	21,417	20,935	18,679	17,039	16,572	15,882	16,331
Computer sciences	11,845	12,009	12,247	13,274	16,748	19,043	21,539	24,096	24,638
Earth, atmospheric, and ocean sciences	2,658	2,678	2,651	2,439	2,157	2,053	1,988	1,996	1,971
Mathematical sciences	5,532	5,215	5,045	4,739	4,346	4,245	4,688	4,855	5,247
Physical sciences	7,348	7,288	7,044	6,851	6,282	5,993	5,886	6,069	6,020
Astronomy	90	67	75	82	88	119	119	130	131
Chemistry	4,322	4,487	4,406	4,224	3,876	3,521	3,334	3,314	3,228
Physics	2,501	2,343	2,152	2,159	2,043	2,076	2,175	2,359	2,493
Other physical sciences	435	391	411	386	275	277	258	266	168
Psychology	15,241	15,170	14,520	13,918	12,394	11,585	11,931	12,207	12,696
Social sciences	42,431	40,309	38,549	37,502	36,343	35,687	37,213	40,461	42,618
Engineering	36,816	36,007	34,611	33,652	31,785	31,710	32,287	34,178	34,287
Chemical engineering	3,107	3,222	3,234	3,102	2,791	2,832	2,703	2,508	2,353
Civil engineering	7,024	7,403	7,130	6,679	5,383	5,213	5,097	5,492	5,459
Electrical engineering	9,062	8,558	8,415	8,294	8,734	8,885	8,964	9,865	9,888
Mechanical engineering	10,159	9,465	8,838	8,572	8,281	8,380	8,658	9,223	9,455
Other engineering	7,464	7,359	6,994	7,005	6,596	6,400	6,865	7,090	7,132
Non-science and engineering	257,505	250,570	247,447	246,635	250,883	248,648	254,505	258,154	265,127
Education	38,421	38,447	37,685	37,578	37,076	35,362	34,984	34,291	34,190

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	10,049	10,731	10,878	10,119	8,424	7,661	6,690	6,722	6,840
Humanities	54,402	52,809	51,564	52,123	52,721	52,913	55,507	57,602	59,863
Professional/other/unknown	154,633	148,583	147,320	146,815	152,662	152,712	157,324	159,539	164,234
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	12,985	13,114	13,195	14,219	19,143	21,930	25,375	29,434	33,813
Science and engineering	4,798	5,154	5,233	5,448	6,995	7,983	9,042	10,983	12,599
Science	3,694	3,926	4,106	4,338	5,676	6,436	7,365	8,974	10,435
Agricultural sciences	249	257	213	225	315	303	329	368	329
Biological sciences	629	695	719	753	883	897	1,021	1,053	1,113
Computer sciences	397	383	633	711	1,125	1,502	1,929	2,656	3,613
Earth, atmospheric, and ocean sciences	85	78	67	83	68	89	93	111	111
Mathematical sciences	166	159	159	148	243	250	288	375	392
Physical sciences	213	233	241	236	292	337	334	406	399
Astronomy	4	6	8	1	5	6	9	7	7
Chemistry	111	115	128	133	158	185	164	180	191
Physics	84	101	95	90	122	130	147	201	185
Other physical sciences	14	11	10	12	7	16	14	18	16
Psychology	508	519	511	547	632	693	817	888	961
Social sciences	1,447	1,602	1,563	1,635	2,118	2,365	2,554	3,117	3,517
Engineering	1,104	1,228	1,127	1,110	1,319	1,547	1,677	2,009	2,164
Chemical engineering	88	90	93	73	73	102	102	131	115
Civil engineering	182	253	183	190	183	203	185	234	288
Electrical engineering	381	379	320	340	516	589	671	802	879
Mechanical engineering	264	300	294	294	303	370	430	457	479
Other engineering	189	206	237	213	244	283	289	385	403
Non-science and engineering	8,187	7,960	7,962	8,771	12,148	13,947	16,333	18,451	21,214
Education	885	917	884	1,098	1,351	1,583	1,837	1,857	2,030
Health	230	291	347	345	321	319	437	487	551
Humanities	1,731	1,911	1,930	2,066	3,041	3,369	3,871	4,311	4,879
Professional/other/unknown	5,341	4,841	4,801	5,262	7,435	8,676	10,188	11,796	13,754
Nonresident aliens, all fields ^b	21,116	21,431	21,623	21,452	20,614	20,850	21,316	22,257	22,866
Science and engineering	9,860	9,698	9,480	9,437	9,148	9,459	9,645	10,492	11,040
Science	5,616	5,555	5,359	5,422	5,421	5,817	6,130	6,994	7,402
Agricultural sciences	170	159	162	169	133	119	113	118	102
Biological sciences	622	613	669	680	547	580	538	593	638
Computer sciences	1,669	1,578	1,442	1,513	1,981	2,336	2,656	3,216	3,445
Earth, atmospheric, and ocean sciences	49	36	49	48	29	36	33	30	25
Mathematical sciences	358	379	320	286	304	266	278	395	385
Physical sciences	424	401	382	381	324	323	315	302	343
Astronomy	7	7	7	8	1	7	9	7	4
Chemistry	223	216	222	211	185	155	172	160	166
Physics	180	168	143	149	120	136	121	124	138
Other physical sciences	14	10	10	13	18	25	13	11	35
Psychology	232	275	255	296	274	270	308	280	304
Social sciences	2,092	2,114	2,080	2,049	1,829	1,887	1,889	2,060	2,160
Engineering	4,244	4,143	4,121	4,015	3,727	3,642	3,515	3,498	3,638
Chemical engineering	398	425	414	386	303	310	318	236	248
Civil engineering	365	368	382	431	362	322	290	279	226
Electrical engineering	1,934	1,781	1,655	1,644	1,553	1,571	1,582	1,747	1,920
Mechanical engineering	741	747	847	743	712	680	631	528	545
Other engineering	806	822	823	811	797	759	694	708	699
Non-science and engineering	11,256	11,733	12,143	12,015	11,466	11,391	11,671	11,765	11,826

TABLE 5. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995-2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	854	949	925	946	810	890	871	815	871
Health	210	196	243	171	151	190	162	176	147
Humanities	1,512	1,541	1,569	1,499	1,602	1,534	1,588	1,634	1,578
Professional/other/unknown	8,680	9,047	9,406	9,399	8,903	8,777	9,050	9,140	9,230

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	643,290	651,815	661,307	673,865	716,963	721,625	751,773	783,866	810,817
Science and engineering	175,931	181,333	187,011	190,397	200,953	202,583	211,203	221,377	229,412
Science	164,981	170,017	175,541	179,058	188,737	190,669	198,516	208,407	216,155
Agricultural sciences	5,637	6,504	7,267	7,743	8,464	8,491	8,634	8,959	8,714
Biological sciences	29,918	32,865	35,266	37,101	37,958	37,084	37,695	38,521	39,913
Computer sciences	7,063	6,772	6,903	7,439	10,474	11,900	13,504	15,190	14,406
Earth, atmospheric, and ocean sciences	1,524	1,485	1,542	1,599	1,617	1,622	1,702	1,651	1,647
Mathematical sciences	6,491	5,992	5,889	5,659	5,604	5,497	5,762	5,879	6,318
Physical sciences	5,292	5,702	5,882	5,994	5,990	5,911	5,982	5,884	6,002
Astronomy	52	55	46	58	54	95	116	110	123
Chemistry	4,233	4,622	4,883	4,973	4,907	4,775	4,729	4,682	4,755
Physics	675	684	652	666	724	756	826	840	908
Other physical sciences	332	341	301	297	305	285	311	252	216
Psychology	52,963	53,863	55,243	55,400	57,114	57,467	59,926	61,499	64,208
Social sciences	56,093	56,834	57,549	58,123	61,516	62,697	65,311	70,824	74,947
Engineering	10,950	11,316	11,470	11,339	12,216	11,914	12,687	12,970	13,257
Chemical engineering	2,024	2,171	2,276	2,196	2,203	2,055	2,123	2,013	1,833
Civil engineering	2,298	2,424	2,569	2,576	2,333	2,041	2,224	2,249	2,279
Electrical engineering	2,170	1,972	2,018	2,012	2,350	2,542	2,720	2,909	3,032
Mechanical engineering	1,700	1,736	1,635	1,636	1,784	1,739	1,783	1,861	1,952
Other engineering	2,758	3,013	2,972	2,919	3,546	3,537	3,837	3,938	4,161
Non-science and engineering	467,359	470,482	474,296	483,468	516,010	519,042	540,570	562,489	581,405
Education	93,554	93,218	93,390	94,959	99,072	98,024	99,945	101,708	102,221
Health	59,827	62,800	63,829	63,581	60,104	56,032	54,908	55,309	58,526
Humanities	85,058	84,754	83,771	86,381	93,257	95,545	101,098	107,517	112,029
Professional/other/unknown	228,920	229,710	233,306	238,547	263,577	269,441	284,619	297,955	308,629
U.S. citizens and permanent residents, all fields ^a	627,394	635,459	644,156	656,430	698,782	702,996	731,965	763,300	789,508
Science and engineering	171,106	176,284	181,754	185,125	194,917	196,328	204,525	214,165	221,846
Science	160,722	165,588	170,960	174,414	183,507	185,191	192,590	201,972	209,498
Agricultural sciences	5,549	6,393	7,176	7,619	8,339	8,362	8,485	8,807	8,567
Biological sciences	29,257	32,111	34,473	36,358	37,129	36,227	36,776	37,602	38,912
Computer sciences	6,435	6,164	6,330	6,815	9,569	10,844	12,272	13,720	12,990
Earth, atmospheric, and ocean sciences	1,500	1,467	1,513	1,565	1,600	1,609	1,676	1,624	1,622
Mathematical sciences	6,256	5,820	5,676	5,492	5,429	5,337	5,586	5,652	6,021
Physical sciences	5,066	5,471	5,671	5,782	5,782	5,676	5,752	5,663	5,754
Astronomy	49	54	45	55	51	89	109	102	117
Chemistry	4,060	4,423	4,709	4,799	4,748	4,595	4,558	4,516	4,571
Physics	632	659	619	637	684	710	780	796	857
Other physical sciences	325	335	298	291	299	282	305	249	209
Psychology	52,253	53,122	54,449	54,526	56,124	56,454	58,867	60,385	63,041
Social sciences	54,406	55,040	55,672	56,257	59,535	60,682	63,176	68,519	72,591
Engineering	10,384	10,696	10,794	10,711	11,410	11,137	11,935	12,193	12,348
Chemical engineering	1,898	2,027	2,119	2,075	2,061	1,941	1,994	1,890	1,713
Civil engineering	2,226	2,354	2,477	2,497	2,236	1,951	2,143	2,179	2,190
Electrical engineering	1,987	1,766	1,803	1,819	2,067	2,271	2,433	2,604	2,679
Mechanical engineering	1,660	1,701	1,574	1,582	1,707	1,675	1,731	1,793	1,883
Other engineering	2,613	2,848	2,821	2,738	3,339	3,299	3,634	3,727	3,883
Non-science and engineering	456,288	459,175	462,402	471,305	503,865	506,668	527,440	549,135	567,662
Education	92,828	92,373	92,467	94,094	98,191	97,057	98,860	100,771	101,186
Health	59,201	62,056	63,126	63,057	59,555	55,320	54,394	54,669	57,869
Humanities	82,796	82,486	81,319	83,902	90,785	93,151	98,506	104,914	109,338
Professional/other/unknown	221,463	222,260	225,490	230,252	255,334	261,140	275,680	288,781	299,269

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	30,947	33,163	35,626	37,400	40,697	41,291	43,410	45,273	47,635
Science and engineering	12,866	13,743	14,942	15,828	16,981	17,423	18,104	18,835	19,955
Science	11,421	12,307	13,468	14,261	15,317	15,739	16,250	16,980	17,938
Agricultural sciences	156	171	229	251	274	256	250	282	266
Biological sciences	3,578	4,087	4,533	4,688	4,460	4,280	4,325	4,372	4,792
Computer sciences	782	751	849	892	1,741	2,046	2,352	2,542	2,275
Earth, atmospheric, and ocean sciences	51	26	49	47	45	43	48	29	41
Mathematical sciences	451	390	380	390	444	434	485	551	573
Physical sciences	512	625	690	726	679	657	595	554	601
Astronomy	3	7	4	3	4	10	12	5	10
Chemistry	458	545	621	673	609	590	514	487	526
Physics	41	55	59	38	56	46	54	54	53
Other physical sciences	10	18	6	12	10	11	15	8	12
Psychology	2,362	2,541	2,862	3,044	3,150	3,106	3,124	2,988	3,296
Social sciences	3,529	3,716	3,876	4,223	4,524	4,917	5,071	5,662	6,094
Engineering	1,445	1,436	1,474	1,567	1,664	1,684	1,854	1,855	2,017
Chemical engineering	250	271	326	344	352	298	313	261	233
Civil engineering	271	270	254	273	189	149	171	181	183
Electrical engineering	458	408	401	459	530	641	739	751	805
Mechanical engineering	194	161	165	162	172	168	149	157	209
Other engineering	272	326	328	329	421	428	482	505	587
Non-science and engineering	18,081	19,420	20,684	21,572	23,716	23,868	25,306	26,438	27,680
Education	1,537	1,672	1,835	1,956	2,043	2,056	2,120	1,980	2,093
Health	2,266	2,652	2,900	3,109	2,967	2,688	2,663	2,535	2,615
Humanities	3,582	3,857	3,902	3,957	4,313	4,529	4,779	5,180	5,466
Professional/other/unknown	10,696	11,239	12,047	12,550	14,393	14,595	15,744	16,743	17,506
Underrepresented minorities, all fields	96,890	103,013	108,052	113,261	127,305	130,078	137,436	145,742	152,701
Science and engineering	28,094	30,181	32,530	34,067	37,853	38,385	40,590	42,980	45,037
Science	26,294	28,263	30,477	32,032	35,686	36,333	38,370	40,790	42,743
Agricultural sciences	336	451	530	611	676	668	701	733	750
Biological sciences	4,169	4,719	5,200	5,773	6,292	6,395	6,353	6,723	6,862
Computer sciences	1,735	1,700	1,644	1,842	2,424	2,793	3,245	3,935	3,769
Earth, atmospheric, and ocean sciences	63	75	90	106	98	123	93	86	122
Mathematical sciences	747	740	795	817	782	769	830	748	777
Physical sciences	871	957	982	981	1,129	1,027	1,088	1,011	1,071
Astronomy	3	4	3	3	3	9	4	11	8
Chemistry	749	816	880	860	991	893	934	894	926
Physics	67	84	72	89	98	82	108	80	111
Other physical sciences	52	53	27	29	37	43	42	26	26
Psychology	8,003	8,658	9,425	9,803	11,015	11,192	11,757	12,193	13,035
Social sciences	10,370	10,963	11,811	12,099	13,270	13,366	14,303	15,361	16,357
Engineering	1,800	1,918	2,053	2,035	2,167	2,052	2,220	2,190	2,294
Chemical engineering	309	363	369	398	392	360	355	316	303
Civil engineering	288	317	365	373	371	338	361	363	383
Electrical engineering	471	445	476	436	507	537	579	620	687
Mechanical engineering	264	293	297	309	294	285	309	286	294
Other engineering	468	500	546	519	603	532	616	605	627
Non-science and engineering	68,796	72,832	75,522	79,194	89,452	91,693	96,846	102,762	107,664
Education	11,304	12,083	12,766	13,130	14,334	13,790	13,957	14,367	14,469
Health	6,925	7,652	8,030	8,655	9,477	9,279	9,717	9,906	10,531
Humanities	9,499	9,985	10,043	10,901	12,171	12,493	13,176	14,182	14,578
Professional/other/unknown	41,068	43,112	44,683	46,508	53,470	56,131	59,996	64,307	68,086

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	3,785	4,002	4,323	4,627	5,074	5,141	5,253	5,636	5,957
Science and engineering	1,005	1,127	1,255	1,270	1,445	1,478	1,465	1,624	1,754
Science	960	1,079	1,188	1,223	1,356	1,414	1,391	1,550	1,664
Agricultural sciences	42	58	70	68	90	97	69	91	89
Biological sciences	157	174	184	208	223	237	247	230	257
Computer sciences	37	39	28	36	59	78	85	82	93
Earth, atmospheric, and ocean sciences	9	7	16	13	21	16	9	8	20
Mathematical sciences	30	23	28	27	38	23	28	35	22
Physical sciences	23	23	27	28	32	33	40	48	29
Astronomy	0	0	0	0	1	2	1	3	0
Chemistry	20	20	21	24	26	23	32	40	25
Physics	2	2	3	2	4	6	7	5	3
Other physical sciences	1	1	3	2	1	2	0	0	1
Psychology	287	338	372	368	390	405	417	424	469
Social sciences	375	417	463	475	503	525	496	632	685
Engineering	45	48	67	47	89	64	74	74	90
Chemical engineering	9	14	8	6	12	9	12	9	11
Civil engineering	17	15	24	14	26	26	18	23	17
Electrical engineering	5	4	7	5	13	8	10	21	20
Mechanical engineering	7	6	9	7	12	12	17	7	12
Other engineering	7	9	19	15	26	9	17	14	30
Non-science and engineering	2,780	2,875	3,068	3,357	3,629	3,663	3,788	4,012	4,203
Education	723	747	788	775	814	787	876	911	854
Health	302	352	372	396	375	352	360	375	416
Humanities	450	416	441	508	601	591	585	623	720
Professional/other/unknown	1,305	1,360	1,467	1,678	1,839	1,933	1,967	2,103	2,213
Black, non-Hispanic, all fields	54,289	57,331	59,341	62,225	68,564	70,270	73,826	78,266	81,926
Science and engineering	16,199	17,167	18,330	19,053	20,948	21,327	22,375	23,386	24,599
Science	15,200	16,131	17,273	18,011	19,858	20,301	21,284	22,330	23,503
Agricultural sciences	138	171	196	230	267	261	275	256	282
Biological sciences	2,251	2,576	2,820	3,105	3,359	3,367	3,358	3,516	3,690
Computer sciences	1,264	1,204	1,179	1,294	1,670	1,989	2,324	2,750	2,667
Earth, atmospheric, and ocean sciences	19	29	20	37	24	24	32	27	40
Mathematical sciences	500	493	533	504	471	451	470	416	447
Physical sciences	520	589	624	569	645	580	611	551	592
Astronomy	0	1	0	1	0	0	1	1	2
Chemistry	443	485	559	484	561	513	519	489	510
Physics	50	65	47	65	63	43	69	41	62
Other physical sciences	27	38	18	19	21	24	22	20	18
Psychology	4,339	4,610	5,056	5,308	5,926	6,005	6,210	6,448	6,906
Social sciences	6,169	6,459	6,845	6,964	7,496	7,624	8,004	8,366	8,879
Engineering	999	1,036	1,057	1,042	1,090	1,026	1,091	1,056	1,096
Chemical engineering	165	210	208	220	214	194	190	168	154
Civil engineering	112	143	128	147	147	114	126	111	133
Electrical engineering	313	257	290	265	296	323	322	355	374
Mechanical engineering	155	181	183	150	151	134	154	123	138
Other engineering	254	245	248	260	282	261	299	299	297
Non-science and engineering	38,090	40,164	41,011	43,172	47,616	48,943	51,451	54,880	57,327
Education	5,945	6,349	6,706	6,812	7,194	6,843	6,678	6,792	6,598
Health	4,315	4,690	4,895	5,321	5,812	5,635	5,942	5,920	6,333

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	4,608	4,720	4,766	5,043	5,625	5,675	5,949	6,401	6,619
Professional/other/unknown	23,222	24,405	24,644	25,996	28,985	30,790	32,882	35,767	37,777
Hispanic, all fields	38,816	41,680	44,388	46,409	53,667	54,667	58,357	61,840	64,818
Science and engineering	10,890	11,887	12,945	13,744	15,460	15,580	16,750	17,970	18,684
Science	10,134	11,053	12,016	12,798	14,472	14,618	15,695	16,910	17,576
Agricultural sciences	156	222	264	313	319	310	357	386	379
Biological sciences	1,761	1,969	2,196	2,460	2,710	2,791	2,748	2,977	2,915
Computer sciences	434	457	437	512	695	726	836	1,103	1,009
Earth, atmospheric, and ocean sciences	35	39	54	56	53	83	52	51	62
Mathematical sciences	217	224	234	286	273	295	332	297	308
Physical sciences	328	345	331	384	452	414	437	412	450
Astronomy	3	3	3	2	2	7	2	7	6
Chemistry	286	311	300	352	404	357	383	365	391
Physics	15	17	22	22	31	33	32	34	46
Other physical sciences	24	14	6	8	15	17	20	6	7
Psychology	3,377	3,710	3,997	4,127	4,699	4,782	5,130	5,321	5,660
Social sciences	3,826	4,087	4,503	4,660	5,271	5,217	5,803	6,363	6,793
Engineering	756	834	929	946	988	962	1,055	1,060	1,108
Chemical engineering	135	139	153	172	166	157	153	139	138
Civil engineering	159	159	213	212	198	198	217	229	233
Electrical engineering	153	184	179	166	198	206	247	244	293
Mechanical engineering	102	106	105	152	131	139	138	156	144
Other engineering	207	246	279	244	295	262	300	292	300
Non-science and engineering	27,926	29,793	31,443	32,665	38,207	39,087	41,607	43,870	46,134
Education	4,636	4,987	5,272	5,543	6,326	6,160	6,403	6,664	7,017
Health	2,308	2,610	2,763	2,938	3,290	3,292	3,415	3,611	3,782
Humanities	4,441	4,849	4,836	5,350	5,945	6,227	6,642	7,158	7,239
Professional/other/unknown	16,541	17,347	18,572	18,834	22,646	23,408	25,147	26,437	28,096
White, non-Hispanic, all fields	485,630	484,996	485,218	489,011	506,958	504,580	518,797	535,094	546,765
Science and engineering	126,169	128,224	129,706	130,189	133,128	132,664	136,725	141,997	145,031
Science	119,219	121,088	122,651	123,267	125,846	125,607	129,289	134,350	137,461
Agricultural sciences	4,899	5,600	6,236	6,554	7,101	7,121	7,179	7,422	7,166
Biological sciences	20,892	22,652	23,970	24,977	25,228	24,286	24,716	25,005	25,579
Computer sciences	3,756	3,568	3,599	3,795	4,971	5,448	5,967	6,362	5,719
Earth, atmospheric, and ocean sciences	1,354	1,332	1,335	1,364	1,404	1,383	1,462	1,446	1,367
Mathematical sciences	4,954	4,584	4,387	4,164	4,049	3,928	4,068	4,121	4,392
Physical sciences	3,592	3,790	3,890	3,912	3,814	3,819	3,815	3,865	3,813
Astronomy	42	40	37	45	43	66	85	82	89
Chemistry	2,790	3,000	3,131	3,146	3,024	2,984	2,934	2,967	2,925
Physics	503	499	471	493	500	549	567	611	635
Other physical sciences	257	251	251	228	247	220	229	205	164
Psychology	40,673	40,735	40,826	40,307	40,003	39,977	41,393	42,469	43,819
Social sciences	39,099	38,827	38,408	38,194	39,276	39,645	40,689	43,660	45,606
Engineering	6,950	7,136	7,055	6,922	7,282	7,057	7,436	7,647	7,570
Chemical engineering	1,310	1,355	1,397	1,303	1,271	1,229	1,273	1,238	1,130
Civil engineering	1,622	1,714	1,810	1,802	1,620	1,402	1,527	1,540	1,552
Electrical engineering	1,017	869	878	880	981	1,006	1,011	1,092	1,046
Mechanical engineering	1,173	1,223	1,081	1,084	1,186	1,161	1,218	1,293	1,301
Other engineering	1,828	1,975	1,889	1,853	2,224	2,259	2,407	2,484	2,541
Non-science and engineering	359,461	356,772	355,512	358,822	373,830	371,916	382,072	393,097	401,734
Education	78,859	77,408	76,601	77,644	79,712	78,691	79,740	80,977	81,061

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	48,752	50,381	50,664	49,677	45,461	41,728	39,943	40,040	41,886
Humanities	67,548	66,401	65,023	66,481	70,410	71,673	75,428	79,630	82,747
Professional/other/unknown	164,302	162,582	163,224	165,020	178,247	179,824	186,961	192,450	196,040
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	13,927	14,287	15,260	16,758	23,822	27,047	32,322	37,191	42,407
Science and engineering	3,977	4,136	4,576	5,041	6,955	7,856	9,106	10,353	11,823
Science	3,788	3,930	4,364	4,854	6,658	7,512	8,681	9,852	11,356
Agricultural sciences	158	171	181	203	288	317	355	370	385
Biological sciences	618	653	770	920	1,149	1,266	1,382	1,502	1,679
Computer sciences	162	145	238	286	433	557	708	881	1,227
Earth, atmospheric, and ocean sciences	32	34	39	48	53	60	73	63	92
Mathematical sciences	104	106	114	121	154	206	203	232	279
Physical sciences	91	99	109	163	160	173	254	233	269
Astronomy	1	3	1	4	1	4	8	4	10
Chemistry	63	62	77	120	124	128	176	168	194
Physics	21	21	17	17	30	33	51	51	58
Other physical sciences	6	13	14	22	5	8	19	10	7
Psychology	1,215	1,188	1,336	1,372	1,956	2,179	2,593	2,735	2,891
Social sciences	1,408	1,534	1,577	1,741	2,465	2,754	3,113	3,836	4,534
Engineering	189	206	212	187	297	344	425	501	467
Chemical engineering	29	38	27	30	46	54	53	75	47
Civil engineering	45	53	48	49	56	62	84	95	72
Electrical engineering	41	44	48	44	49	87	104	141	141
Mechanical engineering	29	24	31	27	55	61	55	57	79
Other engineering	45	47	58	37	91	80	129	133	128
Non-science and engineering	9,950	10,151	10,684	11,717	16,867	19,191	23,216	26,838	30,584
Education	1,128	1,210	1,265	1,364	2,102	2,520	3,043	3,447	3,563
Health	1,258	1,371	1,532	1,616	1,650	1,625	2,071	2,188	2,837
Humanities	2,167	2,243	2,351	2,563	3,891	4,456	5,123	5,922	6,547
Professional/other/unknown	5,397	5,327	5,536	6,174	9,224	10,590	12,979	15,281	17,637
Nonresident aliens, all fields ^b	15,896	16,356	17,151	17,435	18,181	18,629	19,808	20,566	21,309
Science and engineering	4,825	5,049	5,257	5,272	6,036	6,255	6,678	7,212	7,566
Science	4,259	4,429	4,581	4,644	5,230	5,478	5,926	6,435	6,657
Agricultural sciences	88	111	91	124	125	129	149	152	147
Biological sciences	661	754	793	743	829	857	919	919	1,001
Computer sciences	628	608	573	624	905	1,056	1,232	1,470	1,416
Earth, atmospheric, and ocean sciences	24	18	29	34	17	13	26	27	25
Mathematical sciences	235	172	213	167	175	160	176	227	297
Physical sciences	226	231	211	212	208	235	230	221	248
Astronomy	3	1	1	3	3	6	7	8	6
Chemistry	173	199	174	174	159	180	171	166	184
Physics	43	25	33	29	40	46	46	44	51
Other physical sciences	7	6	3	6	6	3	6	3	7
Psychology	710	741	794	874	990	1,013	1,059	1,114	1,167
Social sciences	1,687	1,794	1,877	1,866	1,981	2,015	2,135	2,305	2,356
Engineering	566	620	676	628	806	777	752	777	909
Chemical engineering	126	144	157	121	142	114	129	123	120
Civil engineering	72	70	92	79	97	90	81	70	89
Electrical engineering	183	206	215	193	283	271	287	305	353
Mechanical engineering	40	35	61	54	77	64	52	68	69
Other engineering	145	165	151	181	207	238	203	211	278
Non-science and engineering	11,071	11,307	11,894	12,163	12,145	12,374	13,130	13,354	13,743

TABLE 6. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	726	845	923	865	881	967	1,085	937	1,035
Health	626	744	703	524	549	712	514	640	657
Humanities	2,262	2,268	2,452	2,479	2,472	2,394	2,592	2,603	2,691
Professional/other/unknown	7,457	7,450	7,816	8,295	8,243	8,301	8,939	9,174	9,360

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	399,428	408,932	420,954	431,871	456,260	466,645	481,132	511,603	555,537
Science and engineering	94,309	95,313	93,485	93,918	95,683	98,986	99,173	107,739	118,379
Science	65,679	67,552	67,611	67,780	69,947	72,463	72,907	78,035	84,507
Agricultural sciences	3,574	4,021	3,927	3,862	3,858	3,752	4,019	3,955	4,221
Biological sciences	5,495	6,286	6,594	6,368	6,325	6,487	6,334	6,706	7,556
Computer sciences	10,563	10,613	10,489	11,752	14,529	16,341	16,582	19,248	19,853
Earth, atmospheric, and ocean sciences	1,483	1,487	1,435	1,426	1,345	1,363	1,406	1,491	1,570
Mathematical sciences	3,932	3,742	3,599	3,525	3,295	3,280	3,408	3,706	4,297
Physical sciences	4,241	4,364	4,141	3,969	3,512	3,737	3,624	3,702	4,030
Astronomy	119	115	93	101	102	93	112	123	150
Chemistry	2,105	2,273	2,268	2,173	1,908	2,009	1,866	1,830	2,056
Physics	1,826	1,686	1,497	1,401	1,244	1,376	1,353	1,453	1,637
Other physical sciences	191	290	283	294	258	259	293	296	187
Psychology	13,132	13,043	13,633	13,146	13,708	14,335	14,041	14,469	15,298
Social sciences	23,259	23,996	23,793	23,732	23,375	23,168	23,493	24,758	27,682
Engineering	28,630	27,761	25,874	26,138	25,736	26,523	26,266	29,704	33,872
Chemical engineering	1,369	1,416	1,345	1,372	1,352	1,368	1,267	1,365	1,506
Civil engineering	5,168	5,002	4,880	4,736	4,140	4,013	3,947	4,190	4,445
Electrical engineering	8,743	8,156	7,341	7,971	8,339	8,630	8,279	10,075	12,173
Mechanical engineering	4,368	4,009	3,756	3,551	3,378	3,472	3,519	3,839	4,555
Other engineering	8,982	9,178	8,552	8,508	8,527	9,040	9,254	10,235	11,193
Non-science and engineering	305,119	313,619	327,469	337,953	360,577	367,659	381,959	403,864	437,158
Education	108,225	113,018	117,137	122,513	133,356	137,825	146,349	159,534	174,566
Health	28,716	30,990	33,177	35,894	37,887	38,588	37,863	35,885	37,511
Humanities	28,296	27,880	27,694	27,653	27,414	27,035	27,939	29,012	30,587
Professional/other/unknown	139,882	141,731	149,461	151,893	161,920	164,211	169,808	179,433	194,494
U.S. citizens and permanent residents, all fields ^a	350,672	360,682	371,477	379,666	400,689	405,455	417,821	440,227	481,135
Science and engineering	72,092	73,635	72,220	71,295	70,933	71,564	71,623	75,408	83,043
Science	53,161	54,870	54,982	54,318	55,020	56,042	56,160	59,078	64,791
Agricultural sciences	2,921	3,363	3,269	3,264	3,342	3,281	3,540	3,440	3,575
Biological sciences	4,610	5,295	5,671	5,468	5,575	5,614	5,529	5,742	6,455
Computer sciences	6,667	6,712	6,516	6,957	7,966	8,596	8,895	10,159	11,033
Earth, atmospheric, and ocean sciences	1,198	1,238	1,198	1,218	1,150	1,191	1,207	1,285	1,312
Mathematical sciences	2,816	2,712	2,606	2,499	2,184	2,050	2,114	2,193	2,512
Physical sciences	2,774	2,879	2,734	2,680	2,372	2,498	2,436	2,513	2,662
Astronomy	94	94	74	82	80	65	77	94	102
Chemistry	1,366	1,468	1,501	1,446	1,309	1,388	1,260	1,297	1,384
Physics	1,144	1,082	938	882	761	808	829	851	1,010
Other physical sciences	170	235	221	270	222	237	270	271	166
Psychology	12,659	12,619	13,231	12,686	13,241	13,871	13,562	13,804	14,695
Social sciences	19,516	20,052	19,757	19,546	19,190	18,941	18,877	19,942	22,547
Engineering	18,931	18,765	17,238	16,977	15,913	15,522	15,463	16,330	18,252
Chemical engineering	685	820	748	780	721	726	662	657	704
Civil engineering	3,712	3,664	3,664	3,547	3,048	2,780	2,593	2,686	2,782
Electrical engineering	5,375	4,994	4,265	4,452	4,231	3,959	4,036	4,403	5,276
Mechanical engineering	2,939	2,806	2,602	2,423	2,212	2,222	2,214	2,239	2,630
Other engineering	6,220	6,481	5,959	5,775	5,701	5,835	5,958	6,345	6,860
Non-science and engineering	278,580	287,047	299,257	308,371	329,756	333,891	346,198	364,819	398,092
Education	104,380	109,133	113,397	118,640	129,658	133,907	141,723	154,769	169,801
Health	27,264	29,666	31,740	34,531	36,387	36,818	36,126	34,150	35,276
Humanities	25,245	24,866	24,532	24,279	23,912	23,285	24,157	24,934	26,626
Professional/other/unknown	121,691	123,382	129,588	130,921	139,799	139,881	144,192	150,966	166,389

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	15,906	17,281	17,912	19,936	21,412	21,946	22,610	24,184	26,990
Science and engineering	5,989	6,328	6,180	6,554	6,990	7,045	6,814	7,572	8,560
Science	3,417	3,707	3,861	4,103	4,611	4,631	4,613	5,128	5,558
Agricultural sciences	97	110	103	83	94	97	126	99	111
Biological sciences	426	528	575	591	595	540	537	629	756
Computer sciences	1,266	1,283	1,322	1,579	2,028	2,053	2,004	2,284	2,330
Earth, atmospheric, and ocean sciences	50	37	30	30	22	28	37	28	39
Mathematical sciences	228	220	238	216	180	205	214	221	275
Physical sciences	238	267	278	248	240	220	213	231	196
Astronomy	8	7	2	4	5	5	4	7	6
Chemistry	136	180	197	172	172	153	125	157	128
Physics	91	77	73	60	53	56	66	57	60
Other physical sciences	3	3	6	12	10	6	18	10	2
Psychology	289	322	364	379	472	498	526	525	580
Social sciences	823	940	951	977	980	990	956	1,111	1,271
Engineering	2,572	2,621	2,319	2,451	2,379	2,414	2,201	2,444	3,002
Chemical engineering	100	98	87	123	114	120	96	96	135
Civil engineering	369	381	386	329	283	220	204	241	254
Electrical engineering	1,117	1,096	911	1,082	1,061	1,026	919	1,049	1,421
Mechanical engineering	344	328	293	278	265	358	315	262	347
Other engineering	642	718	642	639	656	690	667	796	845
Non-science and engineering	9,917	10,953	11,732	13,382	14,422	14,901	15,796	16,612	18,430
Education	1,807	1,966	2,133	2,313	2,706	2,990	3,235	3,471	4,051
Health	1,414	1,603	1,442	2,172	2,230	2,376	2,458	2,462	2,480
Humanities	870	939	974	1,071	1,105	1,079	1,099	1,125	1,178
Professional/other/unknown	5,826	6,445	7,183	7,826	8,381	8,456	9,004	9,554	10,721
Underrepresented minorities, all fields	38,401	41,675	45,152	47,983	56,207	59,496	62,071	67,385	76,699
Science and engineering	7,462	7,831	8,460	8,728	9,621	10,666	10,642	11,622	13,063
Science	6,043	6,353	6,968	7,153	8,047	9,068	8,992	9,849	10,995
Agricultural sciences	183	197	219	234	240	237	288	259	296
Biological sciences	350	410	475	403	517	652	589	585	739
Computer sciences	599	649	647	658	900	1,162	1,024	1,478	1,561
Earth, atmospheric, and ocean sciences	53	43	40	45	46	60	57	55	65
Mathematical sciences	223	238	231	236	207	194	203	214	235
Physical sciences	242	210	259	274	222	258	272	269	255
Astronomy	6	5	4	0	2	1	4	4	4
Chemistry	139	114	164	175	126	163	157	171	160
Physics	82	73	77	71	81	80	97	78	76
Other physical sciences	15	18	14	28	13	14	14	16	15
Psychology	1,505	1,615	1,874	1,915	2,252	2,641	2,680	2,862	3,116
Social sciences	2,888	2,991	3,223	3,388	3,663	3,864	3,879	4,127	4,728
Engineering	1,419	1,478	1,492	1,575	1,574	1,598	1,650	1,773	2,068
Chemical engineering	61	80	91	90	76	78	78	84	71
Civil engineering	266	272	278	299	287	280	299	261	255
Electrical engineering	435	415	363	397	408	370	382	486	588
Mechanical engineering	198	194	233	226	197	189	164	205	263
Other engineering	459	517	527	563	606	681	727	737	891
Non-science and engineering	30,939	33,844	36,692	39,255	46,586	48,830	51,429	55,763	63,636
Education	13,203	14,311	15,711	16,830	20,046	20,431	21,977	23,927	27,457
Health	2,422	2,824	2,793	3,534	3,744	4,272	4,411	4,651	5,074
Humanities	2,066	2,156	2,146	2,355	2,474	2,404	2,509	2,680	2,891
Professional/other/unknown	13,248	14,553	16,042	16,536	20,322	21,723	22,532	24,505	28,214

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	1,542	1,693	1,844	1,951	2,099	2,274	2,382	2,546	2,826
Science and engineering	307	321	370	372	383	472	420	451	535
Science	264	265	317	318	319	412	363	381	450
Agricultural sciences	13	14	18	23	23	18	25	24	23
Biological sciences	20	17	25	21	26	29	34	30	33
Computer sciences	16	26	25	15	32	68	32	42	57
Earth, atmospheric, and ocean sciences	4	5	5	10	9	11	4	9	7
Mathematical sciences	11	5	14	9	9	9	8	8	7
Physical sciences	15	5	11	14	9	9	15	12	8
Astronomy	0	0	0	0	0	0	0	1	0
Chemistry	11	3	8	12	5	7	11	5	3
Physics	4	2	2	2	3	2	4	5	5
Other physical sciences	0	0	1	0	1	0	0	1	0
Psychology	81	78	97	108	69	106	96	104	108
Social sciences	104	115	122	118	142	162	149	152	207
Engineering	43	56	53	54	64	60	57	70	85
Chemical engineering	3	4	5	1	3	4	2	2	0
Civil engineering	10	9	10	14	14	10	11	13	16
Electrical engineering	10	15	8	9	14	10	13	18	10
Mechanical engineering	7	11	10	13	7	7	6	9	21
Other engineering	13	17	20	17	26	29	25	28	38
Non-science and engineering	1,235	1,372	1,474	1,579	1,716	1,802	1,962	2,095	2,291
Education	514	600	614	657	749	818	918	948	1,019
Health	119	134	151	166	189	175	178	210	197
Humanities	104	115	112	125	105	111	110	115	157
Professional/other/unknown	498	523	597	631	673	698	756	822	918
Black, non-Hispanic, all fields	22,954	24,588	26,948	28,616	33,305	35,059	36,524	39,582	44,375
Science and engineering	4,210	4,420	4,870	4,894	5,492	6,117	6,133	6,795	7,455
Science	3,545	3,746	4,196	4,180	4,834	5,417	5,395	5,968	6,602
Agricultural sciences	74	88	96	95	84	96	88	103	102
Biological sciences	163	199	236	190	223	313	288	293	381
Computer sciences	373	435	411	424	580	654	659	881	902
Earth, atmospheric, and ocean sciences	15	11	12	15	7	21	18	18	22
Mathematical sciences	140	145	154	142	98	113	113	98	115
Physical sciences	132	105	132	131	117	130	121	113	120
Astronomy	4	1	2	0	0	0	2	1	1
Chemistry	77	65	84	79	65	82	74	76	87
Physics	41	32	39	34	44	41	37	32	27
Other physical sciences	10	7	7	18	8	7	8	4	5
Psychology	802	870	1,059	1,020	1,346	1,598	1,631	1,801	1,923
Social sciences	1,846	1,893	2,096	2,163	2,379	2,492	2,477	2,661	3,037
Engineering	665	674	674	714	658	700	738	827	853
Chemical engineering	28	33	35	43	34	34	31	43	31
Civil engineering	105	116	109	127	93	102	101	96	76
Electrical engineering	228	192	168	198	183	188	189	226	238
Mechanical engineering	91	85	110	96	91	89	71	79	85
Other engineering	213	248	252	250	257	287	346	383	423
Non-science and engineering	18,744	20,168	22,078	23,722	27,813	28,942	30,391	32,787	36,920
Education	8,250	8,659	9,720	10,401	12,092	11,984	12,730	13,707	15,168
Health	1,344	1,577	1,624	2,048	2,158	2,503	2,607	2,769	3,037

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	1,028	1,028	1,001	1,111	1,187	1,186	1,190	1,286	1,290
Professional/other/unknown	8,122	8,904	9,733	10,162	12,376	13,269	13,864	15,025	17,425
Hispanic, all fields	13,905	15,394	16,360	17,416	20,803	22,163	23,165	25,257	29,498
Science and engineering	2,945	3,090	3,220	3,462	3,746	4,077	4,089	4,376	5,073
Science	2,234	2,342	2,455	2,655	2,894	3,239	3,234	3,500	3,943
Agricultural sciences	96	95	105	116	133	123	175	132	171
Biological sciences	167	194	214	192	268	310	267	262	325
Computer sciences	210	188	211	219	288	440	333	555	602
Earth, atmospheric, and ocean sciences	34	27	23	20	30	28	35	28	36
Mathematical sciences	72	88	63	85	100	72	82	108	113
Physical sciences	95	100	116	129	96	119	136	144	127
Astronomy	2	4	2	0	2	1	2	2	3
Chemistry	51	46	72	84	56	74	72	90	70
Physics	37	39	36	35	34	37	56	41	44
Other physical sciences	5	11	6	10	4	7	6	11	10
Psychology	622	667	718	787	837	937	953	957	1,085
Social sciences	938	983	1,005	1,107	1,142	1,210	1,253	1,314	1,484
Engineering	711	748	765	807	852	838	855	876	1,130
Chemical engineering	30	43	51	46	39	40	45	39	40
Civil engineering	151	147	159	158	180	168	187	152	163
Electrical engineering	197	208	187	190	211	172	180	242	340
Mechanical engineering	100	98	113	117	99	93	87	117	157
Other engineering	233	252	255	296	323	365	356	326	430
Non-science and engineering	10,960	12,304	13,140	13,954	17,057	18,086	19,076	20,881	24,425
Education	4,439	5,052	5,377	5,772	7,205	7,629	8,329	9,272	11,270
Health	959	1,113	1,018	1,320	1,397	1,594	1,626	1,672	1,840
Humanities	934	1,013	1,033	1,119	1,182	1,107	1,209	1,279	1,444
Professional/other/unknown	4,628	5,126	5,712	5,743	7,273	7,756	7,912	8,658	9,871
White, non-Hispanic, all fields	277,437	282,713	288,353	291,962	297,226	293,390	296,978	306,552	326,932
Science and engineering	54,610	55,349	53,769	52,328	49,850	48,792	48,410	49,838	54,280
Science	40,779	41,773	41,277	40,243	38,830	38,326	38,006	39,112	42,523
Agricultural sciences	2,447	2,918	2,809	2,827	2,864	2,782	2,951	2,898	2,953
Biological sciences	3,642	4,131	4,395	4,212	4,179	4,124	4,085	4,192	4,559
Computer sciences	4,354	4,353	4,105	4,277	4,435	4,541	4,738	5,125	5,686
Earth, atmospheric, and ocean sciences	1,019	1,074	1,084	1,106	1,036	1,043	1,065	1,125	1,144
Mathematical sciences	2,222	2,083	2,005	1,895	1,655	1,515	1,555	1,623	1,795
Physical sciences	2,152	2,250	2,088	2,023	1,774	1,874	1,782	1,848	2,023
Astronomy	77	79	67	73	65	47	59	67	76
Chemistry	1,007	1,099	1,068	1,028	929	992	876	905	1,012
Physics	924	866	755	696	585	627	613	642	790
Other physical sciences	144	206	198	226	195	208	234	234	145
Psychology	10,367	10,071	10,444	9,820	9,646	9,798	9,315	9,356	9,901
Social sciences	14,576	14,893	14,347	14,083	13,241	12,649	12,515	12,945	14,462
Engineering	13,831	13,576	12,492	12,085	11,020	10,466	10,404	10,726	11,757
Chemical engineering	494	605	541	537	501	487	435	431	455
Civil engineering	2,913	2,849	2,842	2,777	2,337	2,130	1,931	1,995	2,089
Electrical engineering	3,473	3,165	2,737	2,710	2,474	2,244	2,308	2,433	2,812
Mechanical engineering	2,237	2,119	1,967	1,815	1,630	1,558	1,584	1,618	1,840
Other engineering	4,714	4,838	4,405	4,246	4,078	4,047	4,146	4,249	4,561
Non-science and engineering	222,827	227,364	234,584	239,634	247,376	244,598	248,568	256,714	272,652
Education	84,237	87,911	90,258	93,967	99,410	101,197	105,283	112,744	121,125

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	22,289	24,154	26,083	27,362	28,785	28,298	27,030	24,927	25,184
Humanities	20,923	20,413	20,031	19,587	18,657	18,113	18,454	18,808	20,195
Professional/other/unknown	95,378	94,886	98,212	98,718	100,524	96,990	97,801	100,235	106,148
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	18,928	19,013	20,060	19,785	25,844	30,623	36,162	42,106	50,514
Science and engineering	4,031	4,127	3,811	3,685	4,472	5,061	5,757	6,376	7,140
Science	2,922	3,037	2,876	2,819	3,532	4,017	4,549	4,989	5,715
Agricultural sciences	194	138	138	120	144	165	175	184	215
Biological sciences	192	226	226	262	284	298	318	336	401
Computer sciences	448	427	442	443	603	840	1,129	1,272	1,456
Earth, atmospheric, and ocean sciences	76	84	44	37	46	60	48	77	64
Mathematical sciences	143	171	132	152	142	136	142	135	207
Physical sciences	142	152	109	135	136	146	169	165	188
Astronomy	3	3	1	5	8	12	10	16	16
Chemistry	84	75	72	71	82	80	102	64	84
Physics	47	66	33	55	42	45	53	74	84
Other physical sciences	8	8	3	4	4	9	4	11	4
Psychology	498	611	549	572	871	934	1,041	1,061	1,098
Social sciences	1,229	1,228	1,236	1,098	1,306	1,438	1,527	1,759	2,086
Engineering	1,109	1,090	935	866	940	1,044	1,208	1,387	1,425
Chemical engineering	30	37	29	30	30	41	53	46	43
Civil engineering	164	162	158	142	141	150	159	189	184
Electrical engineering	350	318	254	263	288	319	427	435	455
Mechanical engineering	160	165	109	104	120	117	151	154	180
Other engineering	405	408	385	327	361	417	418	563	563
Non-science and engineering	14,897	14,886	16,249	16,100	21,372	25,562	30,405	35,730	43,374
Education	5,133	4,945	5,295	5,530	7,496	9,289	11,228	14,627	17,168
Health	1,139	1,085	1,422	1,463	1,628	1,872	2,227	2,110	2,538
Humanities	1,386	1,358	1,381	1,266	1,676	1,689	2,095	2,321	2,362
Professional/other/unknown	7,239	7,498	8,151	7,841	10,572	12,712	14,855	16,672	21,306
Nonresident aliens, all fields ^b	48,756	48,250	49,477	52,205	55,571	61,190	63,311	71,376	74,402
Science and engineering	22,217	21,678	21,265	22,623	24,750	27,422	27,550	32,331	35,336
Science	12,518	12,682	12,629	13,462	14,927	16,421	16,747	18,957	19,716
Agricultural sciences	653	658	658	598	516	471	479	515	646
Biological sciences	885	991	923	900	750	873	805	964	1,101
Computer sciences	3,896	3,901	3,973	4,795	6,563	7,745	7,687	9,089	8,820
Earth, atmospheric, and ocean sciences	285	249	237	208	195	172	199	206	258
Mathematical sciences	1,116	1,030	993	1,026	1,111	1,230	1,294	1,513	1,785
Physical sciences	1,467	1,485	1,407	1,289	1,140	1,239	1,188	1,189	1,368
Astronomy	25	21	19	19	22	28	35	29	48
Chemistry	739	805	767	727	599	621	606	533	672
Physics	682	604	559	519	483	568	524	602	627
Other physical sciences	21	55	62	24	36	22	23	25	21
Psychology	473	424	402	460	467	464	479	665	603
Social sciences	3,743	3,944	4,036	4,186	4,185	4,227	4,616	4,816	5,135
Engineering	9,699	8,996	8,636	9,161	9,823	11,001	10,803	13,374	15,620
Chemical engineering	684	596	597	592	631	642	605	708	802
Civil engineering	1,456	1,338	1,216	1,189	1,092	1,233	1,354	1,504	1,663
Electrical engineering	3,368	3,162	3,076	3,519	4,108	4,671	4,243	5,672	6,897
Mechanical engineering	1,429	1,203	1,154	1,128	1,166	1,250	1,305	1,600	1,925
Other engineering	2,762	2,697	2,593	2,733	2,826	3,205	3,296	3,890	4,333
Non-science and engineering	26,539	26,572	28,212	29,582	30,821	33,768	35,761	39,045	39,066

TABLE 7. Master's degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	3,845	3,885	3,740	3,873	3,698	3,918	4,626	4,765	4,765
Health	1,452	1,324	1,437	1,363	1,500	1,770	1,737	1,735	2,235
Humanities	3,051	3,014	3,162	3,374	3,502	3,750	3,782	4,078	3,961
Professional/other/unknown	18,191	18,349	19,873	20,972	22,121	24,330	25,616	28,467	28,105

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	179,198	180,360	181,457	185,061	191,234	193,006	198,097	210,758	227,335
Science and engineering	58,518	57,860	55,223	55,335	54,213	55,593	55,701	61,140	66,764
Science	34,520	34,851	34,044	34,360	33,817	34,698	35,009	37,620	40,027
Agricultural sciences	2,103	2,314	2,232	2,153	2,039	1,915	2,022	1,896	1,965
Biological sciences	2,637	2,945	3,076	3,014	2,815	2,732	2,665	2,800	3,126
Computer sciences	7,777	7,763	7,510	8,338	9,661	10,833	11,083	13,157	13,658
Earth, atmospheric, and ocean sciences	1,032	1,051	948	932	832	799	834	879	869
Mathematical sciences	2,353	2,236	2,110	2,055	1,797	1,891	1,937	2,029	2,347
Physical sciences	2,958	2,914	2,808	2,529	2,297	2,436	2,298	2,378	2,517
Astronomy	88	88	61	71	77	57	85	81	97
Chemistry	1,220	1,275	1,341	1,175	1,085	1,184	1,014	1,001	1,106
Physics	1,535	1,385	1,242	1,146	1,000	1,090	1,067	1,140	1,224
Other physical sciences	115	166	164	137	135	105	132	156	90
Psychology	3,735	3,670	3,715	3,606	3,415	3,477	3,369	3,369	3,348
Social sciences	11,925	11,958	11,645	11,733	10,961	10,615	10,801	11,112	12,197
Engineering	23,998	23,009	21,179	20,975	20,396	20,895	20,692	23,520	26,737
Chemical engineering	1,063	1,110	1,013	1,028	1,008	1,016	932	1,022	1,089
Civil engineering	4,123	3,938	3,781	3,582	3,065	2,952	2,884	3,042	3,234
Electrical engineering	7,539	6,960	6,197	6,595	6,781	6,957	6,718	8,173	9,788
Mechanical engineering	3,918	3,555	3,337	3,090	2,923	3,024	3,051	3,380	3,992
Other engineering	7,355	7,446	6,851	6,680	6,619	6,946	7,107	7,903	8,634
Non-science and engineering	120,680	122,500	126,234	129,726	137,021	137,413	142,396	149,618	160,571
Education	26,792	28,078	28,772	30,393	32,889	33,501	35,740	37,980	41,843
Health	6,027	6,399	6,882	7,611	8,215	8,373	8,061	7,576	7,850
Humanities	12,933	12,759	12,476	12,172	12,366	11,959	12,561	12,911	13,497
Professional/other/unknown	74,928	75,264	78,104	79,550	83,551	83,580	86,034	91,151	97,381
U.S. citizens and permanent residents, all fields ^a	148,039	150,310	151,256	153,581	158,445	156,865	160,883	168,197	182,814
Science and engineering	41,973	42,335	40,237	39,626	37,764	37,230	37,240	39,254	42,754
Science	26,339	26,930	26,245	26,089	25,164	25,081	25,219	26,460	28,480
Agricultural sciences	1,682	1,916	1,821	1,798	1,741	1,670	1,789	1,636	1,643
Biological sciences	2,184	2,485	2,661	2,618	2,524	2,366	2,352	2,395	2,672
Computer sciences	4,860	4,859	4,649	4,937	5,420	5,822	6,024	7,035	7,572
Earth, atmospheric, and ocean sciences	831	864	777	775	694	696	710	741	709
Mathematical sciences	1,611	1,565	1,464	1,399	1,173	1,162	1,178	1,227	1,409
Physical sciences	1,939	1,915	1,840	1,708	1,540	1,605	1,523	1,569	1,641
Astronomy	68	71	46	55	60	37	56	61	64
Chemistry	808	837	899	800	758	829	693	704	749
Physics	965	887	780	731	610	645	656	670	750
Other physical sciences	98	120	115	122	112	94	118	134	78
Psychology	3,590	3,549	3,590	3,493	3,294	3,350	3,237	3,219	3,207
Social sciences	9,642	9,777	9,443	9,361	8,778	8,410	8,406	8,638	9,627
Engineering	15,634	15,405	13,992	13,537	12,600	12,149	12,021	12,794	14,274
Chemical engineering	514	618	548	561	520	518	470	467	485
Civil engineering	2,897	2,828	2,787	2,649	2,229	1,993	1,835	1,899	1,947
Electrical engineering	4,670	4,303	3,651	3,764	3,541	3,317	3,321	3,683	4,402
Mechanical engineering	2,601	2,465	2,281	2,078	1,913	1,911	1,891	1,952	2,266
Other engineering	4,952	5,191	4,725	4,485	4,397	4,410	4,504	4,793	5,174
Non-science and engineering	106,066	107,975	111,019	113,955	120,681	119,635	123,643	128,943	140,060
Education	25,371	26,661	27,482	29,169	31,811	32,395	34,242	36,440	40,402
Health	5,441	5,845	6,296	7,080	7,645	7,717	7,403	6,927	6,888
Humanities	11,614	11,422	11,191	10,821	10,929	10,479	11,034	11,288	11,956
Professional/other/unknown	63,640	64,047	66,050	66,885	70,296	69,044	70,964	74,288	80,814

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	8,385	8,877	8,585	9,638	10,105	10,144	10,318	10,933	12,351
Science and engineering	3,874	3,900	3,605	3,876	3,945	4,012	3,813	4,268	4,828
Science	1,851	1,900	1,847	2,053	2,226	2,225	2,188	2,491	2,629
Agricultural sciences	44	49	31	43	36	34	42	36	43
Biological sciences	216	242	251	297	291	235	233	272	330
Computer sciences	806	810	792	950	1,168	1,193	1,192	1,407	1,391
Earth, atmospheric, and ocean sciences	36	24	15	12	12	16	21	13	19
Mathematical sciences	124	119	122	111	86	101	115	114	128
Physical sciences	151	144	153	138	142	126	115	131	112
Astronomy	6	5	2	3	3	3	2	5	2
Chemistry	71	77	91	79	93	76	54	78	71
Physics	71	61	56	49	41	46	49	44	38
Other physical sciences	3	1	4	7	5	1	10	4	1
Psychology	76	78	85	90	107	126	115	107	134
Social sciences	398	434	398	412	384	394	355	411	472
Engineering	2,023	2,000	1,758	1,823	1,719	1,787	1,625	1,777	2,199
Chemical engineering	77	70	59	81	80	74	58	64	85
Civil engineering	262	264	263	224	184	136	128	151	157
Electrical engineering	903	872	716	818	784	787	709	786	1,072
Mechanical engineering	302	269	243	228	223	312	259	215	295
Other engineering	479	525	477	472	448	478	471	561	590
Non-science and engineering	4,511	4,977	4,980	5,762	6,160	6,132	6,505	6,665	7,523
Education	480	537	517	551	623	714	768	732	915
Health	535	576	454	739	645	706	686	658	684
Humanities	360	411	397	380	446	401	459	459	419
Professional/other/unknown	3,136	3,453	3,612	4,092	4,446	4,311	4,592	4,816	5,505
Underrepresented minorities, all fields	13,984	14,735	15,607	16,694	19,091	19,467	19,822	21,283	24,003
Science and engineering	3,660	3,731	3,897	4,043	4,301	4,437	4,452	4,882	5,291
Science	2,578	2,636	2,813	2,898	3,151	3,323	3,336	3,630	3,844
Agricultural sciences	101	110	117	109	114	105	147	94	125
Biological sciences	136	171	190	174	209	249	228	229	273
Computer sciences	384	390	397	416	546	668	612	905	923
Earth, atmospheric, and ocean sciences	30	27	24	27	27	25	29	34	32
Mathematical sciences	113	133	129	114	110	111	108	120	131
Physical sciences	155	118	147	154	128	156	149	152	130
Astronomy	4	4	1	0	2	1	4	1	3
Chemistry	77	51	85	91	54	87	71	83	67
Physics	66	55	54	55	66	63	69	61	54
Other physical sciences	8	8	7	8	6	5	5	7	6
Psychology	402	417	479	495	556	566	608	596	604
Social sciences	1,257	1,270	1,330	1,409	1,461	1,443	1,455	1,500	1,626
Engineering	1,082	1,095	1,084	1,145	1,150	1,114	1,116	1,252	1,447
Chemical engineering	43	50	49	53	45	43	47	49	41
Civil engineering	199	184	201	210	190	186	197	164	161
Electrical engineering	356	336	291	314	333	293	283	403	452
Mechanical engineering	164	162	192	181	166	141	134	166	215
Other engineering	320	363	351	387	416	451	455	470	578
Non-science and engineering	10,324	11,004	11,710	12,651	14,790	15,030	15,370	16,401	18,712
Education	3,221	3,463	3,742	4,095	4,747	4,783	5,066	5,386	6,105
Health	487	529	504	732	786	797	860	888	928
Humanities	944	971	948	1,060	1,118	1,048	1,092	1,074	1,230
Professional/other/unknown	5,672	6,041	6,516	6,764	8,139	8,402	8,352	9,053	10,449

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	623	665	697	739	778	828	880	898	985
Science and engineering	157	167	196	182	193	217	201	220	225
Science	117	116	150	136	145	174	161	164	167
Agricultural sciences	10	6	10	15	18	11	18	11	9
Biological sciences	11	9	11	9	14	15	14	17	9
Computer sciences	11	19	16	12	22	39	19	22	35
Earth, atmospheric, and ocean sciences	0	4	2	5	7	4	1	4	2
Mathematical sciences	5	4	8	3	5	6	7	4	4
Physical sciences	11	2	9	8	6	5	9	5	4
Astronomy	0	0	0	0	0	0	0	1	0
Chemistry	7	1	7	7	2	3	5	0	1
Physics	4	1	1	1	3	2	4	4	3
Other physical sciences	0	0	1	0	1	0	0	0	0
Psychology	30	22	34	32	15	29	28	31	25
Social sciences	39	50	60	52	58	65	65	70	79
Engineering	40	51	46	46	48	43	40	56	58
Chemical engineering	3	4	5	1	2	3	1	2	0
Civil engineering	9	9	9	12	10	8	5	10	12
Electrical engineering	10	14	8	7	13	7	10	15	7
Mechanical engineering	6	10	10	11	7	5	4	6	16
Other engineering	12	14	14	15	16	20	20	23	23
Non-science and engineering	466	498	501	557	585	611	679	678	760
Education	139	166	161	184	195	207	234	252	284
Health	25	31	30	39	45	40	52	57	36
Humanities	50	55	48	52	42	50	53	45	63
Professional/other/unknown	252	246	262	282	303	314	340	324	377
Black, non-Hispanic, all fields	7,636	7,998	8,444	9,107	10,309	10,401	10,513	11,268	12,586
Science and engineering	1,891	1,900	1,983	2,066	2,198	2,262	2,278	2,552	2,648
Science	1,427	1,436	1,534	1,596	1,747	1,808	1,805	2,006	2,079
Agricultural sciences	35	49	56	36	37	45	39	38	43
Biological sciences	50	77	69	68	73	92	88	107	112
Computer sciences	214	234	229	262	325	345	365	517	497
Earth, atmospheric, and ocean sciences	8	6	7	10	2	11	12	9	10
Mathematical sciences	58	74	75	65	46	65	49	49	63
Physical sciences	78	53	67	71	63	71	56	61	53
Astronomy	2	0	1	0	0	0	2	0	1
Chemistry	41	30	39	42	25	40	27	36	33
Physics	30	20	26	24	35	28	25	23	17
Other physical sciences	5	3	1	5	3	3	2	2	2
Psychology	204	223	245	254	311	301	343	344	357
Social sciences	780	720	786	830	890	878	853	881	944
Engineering	464	464	449	470	451	454	473	546	569
Chemical engineering	18	17	12	24	19	15	19	23	17
Civil engineering	71	74	69	82	59	61	63	53	47
Electrical engineering	176	144	121	145	143	139	139	181	180
Mechanical engineering	71	68	89	68	72	63	54	60	66
Other engineering	128	161	158	151	158	176	198	229	259
Non-science and engineering	5,745	6,098	6,461	7,041	8,111	8,139	8,235	8,716	9,938
Education	1,918	2,063	2,233	2,423	2,815	2,735	2,829	2,938	3,237
Health	230	245	253	350	383	381	420	443	465

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	478	470	419	494	539	495	512	497	538
Professional/other/unknown	3,119	3,320	3,556	3,774	4,374	4,528	4,474	4,838	5,698
Hispanic, all fields	5,725	6,072	6,466	6,848	8,004	8,238	8,429	9,117	10,432
Science and engineering	1,612	1,664	1,718	1,795	1,910	1,958	1,973	2,110	2,418
Science	1,034	1,084	1,129	1,166	1,259	1,341	1,370	1,460	1,598
Agricultural sciences	56	55	51	58	59	49	90	45	73
Biological sciences	75	85	110	97	122	142	126	105	152
Computer sciences	159	137	152	142	199	284	228	366	391
Earth, atmospheric, and ocean sciences	22	17	15	12	18	10	16	21	20
Mathematical sciences	50	55	46	46	59	40	52	67	64
Physical sciences	66	63	71	75	59	80	84	86	73
Astronomy	2	4	0	0	2	1	2	0	2
Chemistry	29	20	39	42	27	44	39	47	33
Physics	32	34	27	30	28	33	40	34	34
Other physical sciences	3	5	5	3	2	2	3	5	4
Psychology	168	172	200	209	230	236	237	221	222
Social sciences	438	500	484	527	513	500	537	549	603
Engineering	578	580	589	629	651	617	603	650	820
Chemical engineering	22	29	32	28	24	25	27	24	24
Civil engineering	119	101	123	116	121	117	129	101	102
Electrical engineering	170	178	162	162	177	147	134	207	265
Mechanical engineering	87	84	93	102	87	73	76	100	133
Other engineering	180	188	179	221	242	255	237	218	296
Non-science and engineering	4,113	4,408	4,748	5,053	6,094	6,280	6,456	7,007	8,014
Education	1,164	1,234	1,348	1,488	1,737	1,841	2,003	2,196	2,584
Health	232	253	221	343	358	376	388	388	427
Humanities	416	446	481	514	537	503	527	532	629
Professional/other/unknown	2,301	2,475	2,698	2,708	3,462	3,560	3,538	3,891	4,374
White, non-Hispanic, all fields	116,655	117,559	117,942	118,464	117,915	113,706	114,900	117,997	125,463
Science and engineering	31,930	32,174	30,556	29,611	27,101	26,000	25,852	26,559	28,771
Science	20,339	20,788	20,169	19,747	18,118	17,575	17,544	17,904	19,276
Agricultural sciences	1,430	1,680	1,598	1,576	1,514	1,454	1,498	1,415	1,373
Biological sciences	1,753	1,966	2,120	2,016	1,901	1,743	1,761	1,778	1,887
Computer sciences	3,321	3,338	3,140	3,250	3,273	3,378	3,483	3,817	4,290
Earth, atmospheric, and ocean sciences	705	743	706	715	626	621	626	652	623
Mathematical sciences	1,280	1,219	1,145	1,080	902	863	872	910	1,020
Physical sciences	1,543	1,543	1,465	1,329	1,177	1,229	1,154	1,175	1,285
Astronomy	56	60	42	48	48	25	43	44	52
Chemistry	611	660	677	597	562	617	510	509	570
Physics	791	716	643	579	468	501	499	508	594
Other physical sciences	85	107	103	105	99	86	102	114	69
Psychology	2,962	2,890	2,887	2,771	2,406	2,455	2,296	2,259	2,231
Social sciences	7,345	7,409	7,108	7,010	6,319	5,832	5,854	5,898	6,567
Engineering	11,591	11,386	10,387	9,864	8,983	8,425	8,308	8,655	9,495
Chemical engineering	377	469	418	406	374	374	328	318	330
Civil engineering	2,294	2,244	2,194	2,105	1,744	1,566	1,386	1,452	1,505
Electrical engineering	3,117	2,825	2,430	2,411	2,189	1,968	1,994	2,144	2,499
Mechanical engineering	1,987	1,886	1,753	1,580	1,426	1,359	1,367	1,435	1,601
Other engineering	3,816	3,962	3,592	3,362	3,250	3,158	3,233	3,306	3,560
Non-science and engineering	84,725	85,385	87,386	88,853	90,814	87,706	89,048	91,438	96,692
Education	20,180	21,321	21,855	23,118	24,596	24,495	25,603	26,865	29,281

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	4,173	4,507	5,037	5,272	5,849	5,766	5,392	4,871	4,708
Humanities	9,712	9,421	9,260	8,829	8,631	8,301	8,505	8,662	9,238
Professional/other/unknown	50,660	50,136	51,234	51,634	51,738	49,144	49,548	51,040	53,465
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	9,015	9,139	9,122	8,785	11,334	13,548	15,843	17,984	20,997
Science and engineering	2,509	2,530	2,179	2,096	2,417	2,781	3,123	3,545	3,864
Science	1,571	1,606	1,416	1,391	1,669	1,958	2,151	2,435	2,731
Agricultural sciences	107	77	75	70	77	77	102	91	102
Biological sciences	79	106	100	131	123	139	130	116	182
Computer sciences	349	321	320	321	433	583	737	906	968
Earth, atmospheric, and ocean sciences	60	70	32	21	29	34	34	42	35
Mathematical sciences	94	94	68	94	75	87	83	83	130
Physical sciences	90	110	75	87	93	94	105	111	114
Astronomy	2	2	1	4	7	8	7	11	7
Chemistry	49	49	46	33	49	49	58	34	41
Physics	37	55	27	48	35	35	39	57	64
Other physical sciences	2	4	1	2	2	2	1	9	2
Psychology	150	164	139	137	225	203	218	257	238
Social sciences	642	664	607	530	614	741	742	829	962
Engineering	938	924	763	705	748	823	972	1,110	1,133
Chemical engineering	17	29	22	21	21	27	37	36	29
Civil engineering	142	136	129	110	111	105	124	132	124
Electrical engineering	294	270	214	221	235	269	335	350	379
Mechanical engineering	148	148	93	89	98	99	131	136	155
Other engineering	337	341	305	264	283	323	345	456	446
Non-science and engineering	6,506	6,609	6,943	6,689	8,917	10,767	12,720	14,439	17,133
Education	1,490	1,340	1,368	1,405	1,845	2,403	2,805	3,457	4,101
Health	246	233	301	337	365	448	465	510	568
Humanities	598	619	586	552	734	729	978	1,093	1,069
Professional/other/unknown	4,172	4,417	4,688	4,395	5,973	7,187	8,472	9,379	11,395
Nonresident aliens, all fields ^b	31,159	30,050	30,201	31,480	32,789	36,141	37,214	42,561	44,521
Science and engineering	16,545	15,525	14,986	15,709	16,449	18,363	18,461	21,886	24,010
Science	8,181	7,921	7,799	8,271	8,653	9,617	9,790	11,160	11,547
Agricultural sciences	421	398	411	355	298	245	233	260	322
Biological sciences	453	460	415	396	291	366	313	405	454
Computer sciences	2,917	2,904	2,861	3,401	4,241	5,011	5,059	6,122	6,086
Earth, atmospheric, and ocean sciences	201	187	171	157	138	103	124	138	160
Mathematical sciences	742	671	646	656	624	729	759	802	938
Physical sciences	1,019	999	968	821	757	831	775	809	876
Astronomy	20	17	15	16	17	20	29	20	33
Chemistry	412	438	442	375	327	355	321	297	357
Physics	570	498	462	415	390	445	411	470	474
Other physical sciences	17	46	49	15	23	11	14	22	12
Psychology	145	121	125	113	121	127	132	150	141
Social sciences	2,283	2,181	2,202	2,372	2,183	2,205	2,395	2,474	2,570
Engineering	8,364	7,604	7,187	7,438	7,796	8,746	8,671	10,726	12,463
Chemical engineering	549	492	465	467	488	498	462	555	604
Civil engineering	1,226	1,110	994	933	836	959	1,049	1,143	1,287
Electrical engineering	2,869	2,657	2,546	2,831	3,240	3,640	3,397	4,490	5,386
Mechanical engineering	1,317	1,090	1,056	1,012	1,010	1,113	1,160	1,428	1,726
Other engineering	2,403	2,255	2,126	2,195	2,222	2,536	2,603	3,110	3,460
Non-science and engineering	14,614	14,525	15,215	15,771	16,340	17,778	18,753	20,675	20,511

TABLE 8. Master's degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	1,421	1,417	1,290	1,224	1,078	1,106	1,498	1,540	1,441
Health	586	554	586	531	570	656	658	649	962
Humanities	1,319	1,337	1,285	1,351	1,437	1,480	1,527	1,623	1,541
Professional/other/unknown	11,288	11,217	12,054	12,665	13,255	14,536	15,070	16,863	16,567

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All fields	220,230	228,572	239,497	246,810	265,026	273,639	283,035	300,845	328,202
Science and engineering	35,791	37,453	38,262	38,583	41,470	43,393	43,472	46,599	51,615
Science	31,159	32,701	33,567	33,420	36,130	37,765	37,898	40,415	44,480
Agricultural sciences	1,471	1,707	1,695	1,709	1,819	1,837	1,997	2,059	2,256
Biological sciences	2,858	3,341	3,518	3,354	3,510	3,755	3,669	3,906	4,430
Computer sciences	2,786	2,850	2,979	3,414	4,868	5,508	5,499	6,091	6,195
Earth, atmospheric, and ocean sciences	451	436	487	494	513	564	572	612	701
Mathematical sciences	1,579	1,506	1,489	1,470	1,498	1,389	1,471	1,677	1,950
Physical sciences	1,283	1,450	1,333	1,440	1,215	1,301	1,326	1,324	1,513
Astronomy	31	27	32	30	25	36	27	42	53
Chemistry	885	998	927	998	823	825	852	829	950
Physics	291	301	255	255	244	286	286	313	413
Other physical sciences	76	124	119	157	123	154	161	140	97
Psychology	9,397	9,373	9,918	9,540	10,293	10,858	10,672	11,100	11,950
Social sciences	11,334	12,038	12,148	11,999	12,414	12,553	12,692	13,646	15,485
Engineering	4,632	4,752	4,695	5,163	5,340	5,628	5,574	6,184	7,135
Chemical engineering	306	306	332	344	344	352	335	343	417
Civil engineering	1,045	1,064	1,099	1,154	1,075	1,061	1,063	1,148	1,211
Electrical engineering	1,204	1,196	1,144	1,376	1,558	1,673	1,561	1,902	2,385
Mechanical engineering	450	454	419	461	455	448	468	459	563
Other engineering	1,627	1,732	1,701	1,828	1,908	2,094	2,147	2,332	2,559
Non-science and engineering	184,439	191,119	201,235	208,227	223,556	230,246	239,563	254,246	276,587
Education	81,433	84,940	88,365	92,120	100,467	104,324	110,609	121,554	132,723
Health	22,689	24,591	26,295	28,283	29,672	30,215	29,802	28,309	29,661
Humanities	15,363	15,121	15,218	15,481	15,048	15,076	15,378	16,101	17,090
Professional/other/unknown	64,954	66,467	71,357	72,343	78,369	80,631	83,774	88,282	97,113
U.S. citizens and permanent residents, all fields ^a	202,633	210,372	220,221	226,085	242,244	248,590	256,938	272,030	298,321
Science and engineering	30,119	31,300	31,983	31,669	33,169	34,334	34,383	36,154	40,289
Science	26,822	27,940	28,737	28,229	29,856	30,961	30,941	32,618	36,311
Agricultural sciences	1,239	1,447	1,448	1,466	1,601	1,611	1,751	1,804	1,932
Biological sciences	2,426	2,810	3,010	2,850	3,051	3,248	3,177	3,347	3,783
Computer sciences	1,807	1,853	1,867	2,020	2,546	2,774	2,871	3,124	3,461
Earth, atmospheric, and ocean sciences	367	374	421	443	456	495	497	544	603
Mathematical sciences	1,205	1,147	1,142	1,100	1,011	888	936	966	1,103
Physical sciences	835	964	894	972	832	893	913	944	1,021
Astronomy	26	23	28	27	20	28	21	33	38
Chemistry	558	631	602	646	551	559	567	593	635
Physics	179	195	158	151	151	163	173	181	260
Other physical sciences	72	115	106	148	110	143	152	137	88
Psychology	9,069	9,070	9,641	9,193	9,947	10,521	10,325	10,585	11,488
Social sciences	9,874	10,275	10,314	10,185	10,412	10,531	10,471	11,304	12,920
Engineering	3,297	3,360	3,246	3,440	3,313	3,373	3,442	3,536	3,978
Chemical engineering	171	202	200	219	201	208	192	190	219
Civil engineering	815	836	877	898	819	787	758	787	835
Electrical engineering	705	691	614	688	690	642	715	720	874
Mechanical engineering	338	341	321	345	299	311	323	287	364
Other engineering	1,268	1,290	1,234	1,290	1,304	1,425	1,454	1,552	1,686
Non-science and engineering	172,514	179,072	188,238	194,416	209,075	214,256	222,555	235,876	258,032
Education	79,009	82,472	85,915	89,471	97,847	101,512	107,481	118,329	129,399
Health	21,823	23,821	25,444	27,451	28,742	29,101	28,723	27,223	28,388
Humanities	13,631	13,444	13,341	13,458	12,983	12,806	13,123	13,646	14,670
Professional/other/unknown	58,051	59,335	63,538	64,036	69,503	70,837	73,228	76,678	85,575

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Asian/Pacific Islander, all fields	7,521	8,404	9,327	10,298	11,307	11,802	12,292	13,251	14,639
Science and engineering	2,115	2,428	2,575	2,678	3,045	3,033	3,001	3,304	3,732
Science	1,566	1,807	2,014	2,050	2,385	2,406	2,425	2,637	2,929
Agricultural sciences	53	61	72	40	58	63	84	63	68
Biological sciences	210	286	324	294	304	305	304	357	426
Computer sciences	460	473	530	629	860	860	812	877	939
Earth, atmospheric, and ocean sciences	14	13	15	18	10	12	16	15	20
Mathematical sciences	104	101	116	105	94	104	99	107	147
Physical sciences	87	123	125	110	98	94	98	100	84
Astronomy	2	2	0	1	2	2	2	2	4
Chemistry	65	103	106	93	79	77	71	79	57
Physics	20	16	17	11	12	10	17	13	22
Other physical sciences	0	2	2	5	5	5	8	6	1
Psychology	213	244	279	289	365	372	411	418	446
Social sciences	425	506	553	565	596	596	601	700	799
Engineering	549	621	561	628	660	627	576	667	803
Chemical engineering	23	28	28	42	34	46	38	32	50
Civil engineering	107	117	123	105	99	84	76	90	97
Electrical engineering	214	224	195	264	277	239	210	263	349
Mechanical engineering	42	59	50	50	42	46	56	47	52
Other engineering	163	193	165	167	208	212	196	235	255
Non-science and engineering	5,406	5,976	6,752	7,620	8,262	8,769	9,291	9,947	10,907
Education	1,327	1,429	1,616	1,762	2,083	2,276	2,467	2,739	3,136
Health	879	1,027	988	1,433	1,585	1,670	1,772	1,804	1,796
Humanities	510	528	577	691	659	678	640	666	759
Professional/other/unknown	2,690	2,992	3,571	3,734	3,935	4,145	4,412	4,738	5,216
Underrepresented minorities, all fields	24,417	26,940	29,545	31,289	37,116	40,029	42,249	46,102	52,696
Science and engineering	3,802	4,100	4,563	4,685	5,320	6,229	6,190	6,740	7,772
Science	3,465	3,717	4,155	4,255	4,896	5,745	5,656	6,219	7,151
Agricultural sciences	82	87	102	125	126	132	141	165	171
Biological sciences	214	239	285	229	308	403	361	356	466
Computer sciences	215	259	250	242	354	494	412	573	638
Earth, atmospheric, and ocean sciences	23	16	16	18	19	35	28	21	33
Mathematical sciences	110	105	102	122	97	83	95	94	104
Physical sciences	87	92	112	120	94	102	123	117	125
Astronomy	2	1	3	0	0	0	0	3	1
Chemistry	62	63	79	84	72	76	86	88	93
Physics	16	18	23	16	15	17	28	17	22
Other physical sciences	7	10	7	20	7	9	9	9	9
Psychology	1,103	1,198	1,395	1,420	1,696	2,075	2,072	2,266	2,512
Social sciences	1,631	1,721	1,893	1,979	2,202	2,421	2,424	2,627	3,102
Engineering	337	383	408	430	424	484	534	521	621
Chemical engineering	18	30	42	37	31	35	31	35	30
Civil engineering	67	88	77	89	97	94	102	97	94
Electrical engineering	79	79	72	83	75	77	99	83	136
Mechanical engineering	34	32	41	45	31	48	30	39	48
Other engineering	139	154	176	176	190	230	272	267	313
Non-science and engineering	20,615	22,840	24,982	26,604	31,796	33,800	36,059	39,362	44,924
Education	9,982	10,848	11,969	12,735	15,299	15,648	16,911	18,541	21,352
Health	1,935	2,295	2,289	2,802	2,958	3,475	3,551	3,763	4,146
Humanities	1,122	1,185	1,198	1,295	1,356	1,356	1,417	1,606	1,661
Professional/other/unknown	7,576	8,512	9,526	9,772	12,183	13,321	14,180	15,452	17,765

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
American Indian/Alaskan Native, all fields	919	1,028	1,147	1,212	1,321	1,446	1,502	1,648	1,841
Science and engineering	150	154	174	190	190	255	219	231	310
Science	147	149	167	182	174	238	202	217	283
Agricultural sciences	3	8	8	8	5	7	7	13	14
Biological sciences	9	8	14	12	12	14	20	13	24
Computer sciences	5	7	9	3	10	29	13	20	22
Earth, atmospheric, and ocean sciences	4	1	3	5	2	7	3	5	5
Mathematical sciences	6	1	6	6	4	3	1	4	3
Physical sciences	4	3	2	6	3	4	6	7	4
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	4	2	1	5	3	4	6	5	2
Physics	0	1	1	1	0	0	0	1	2
Other physical sciences	0	0	0	0	0	0	0	1	0
Psychology	51	56	63	76	54	77	68	73	83
Social sciences	65	65	62	66	84	97	84	82	128
Engineering	3	5	7	8	16	17	17	14	27
Chemical engineering	0	0	0	0	1	1	1	0	0
Civil engineering	1	0	1	2	4	2	6	3	4
Electrical engineering	0	1	0	2	1	3	3	3	3
Mechanical engineering	1	1	0	2	0	2	2	3	5
Other engineering	1	3	6	2	10	9	5	5	15
Non-science and engineering	769	874	973	1,022	1,131	1,191	1,283	1,417	1,531
Education	375	434	453	473	554	611	684	696	735
Health	94	103	121	127	144	135	126	153	161
Humanities	54	60	64	73	63	61	57	70	94
Professional/other/unknown	246	277	335	349	370	384	416	498	541
Black, non-Hispanic, all fields	15,318	16,590	18,504	19,509	22,996	24,658	26,011	28,314	31,789
Science and engineering	2,319	2,520	2,887	2,828	3,294	3,855	3,855	4,243	4,807
Science	2,118	2,310	2,662	2,584	3,087	3,609	3,590	3,962	4,523
Agricultural sciences	39	39	40	59	47	51	49	65	59
Biological sciences	113	122	167	122	150	221	200	186	269
Computer sciences	159	201	182	162	255	309	294	364	405
Earth, atmospheric, and ocean sciences	7	5	5	5	5	10	6	9	12
Mathematical sciences	82	71	79	77	52	48	64	49	52
Physical sciences	54	52	65	60	54	59	65	52	67
Astronomy	2	1	1	0	0	0	0	1	0
Chemistry	36	35	45	37	40	42	47	40	54
Physics	11	12	13	10	9	13	12	9	10
Other physical sciences	5	4	6	13	5	4	6	2	3
Psychology	598	647	814	766	1,035	1,297	1,288	1,457	1,566
Social sciences	1,066	1,173	1,310	1,333	1,489	1,614	1,624	1,780	2,093
Engineering	201	210	225	244	207	246	265	281	284
Chemical engineering	10	16	23	19	15	19	12	20	14
Civil engineering	34	42	40	45	34	41	38	43	29
Electrical engineering	52	48	47	53	40	49	50	45	58
Mechanical engineering	20	17	21	28	19	26	17	19	19
Other engineering	85	87	94	99	99	111	148	154	164
Non-science and engineering	12,999	14,070	15,617	16,681	19,702	20,803	22,156	24,071	26,982
Education	6,332	6,596	7,487	7,978	9,277	9,249	9,901	10,769	11,931
Health	1,114	1,332	1,371	1,698	1,775	2,122	2,187	2,326	2,572

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Humanities	550	558	582	617	648	691	678	789	752
Professional/other/unknown	5,003	5,584	6,177	6,388	8,002	8,741	9,390	10,187	11,727
Hispanic, all fields	8,180	9,322	9,894	10,568	12,799	13,925	14,736	16,140	19,066
Science and engineering	1,333	1,426	1,502	1,667	1,836	2,119	2,116	2,266	2,655
Science	1,200	1,258	1,326	1,489	1,635	1,898	1,864	2,040	2,345
Agricultural sciences	40	40	54	58	74	74	85	87	98
Biological sciences	92	109	104	95	146	168	141	157	173
Computer sciences	51	51	59	77	89	156	105	189	211
Earth, atmospheric, and ocean sciences	12	10	8	8	12	18	19	7	16
Mathematical sciences	22	33	17	39	41	32	30	41	49
Physical sciences	29	37	45	54	37	39	52	58	54
Astronomy	0	0	2	0	0	0	0	2	1
Chemistry	22	26	33	42	29	30	33	43	37
Physics	5	5	9	5	6	4	16	7	10
Other physical sciences	2	6	1	7	2	5	3	6	6
Psychology	454	495	518	578	607	701	716	736	863
Social sciences	500	483	521	580	629	710	716	765	881
Engineering	133	168	176	178	201	221	252	226	310
Chemical engineering	8	14	19	18	15	15	18	15	16
Civil engineering	32	46	36	42	59	51	58	51	61
Electrical engineering	27	30	25	28	34	25	46	35	75
Mechanical engineering	13	14	20	15	12	20	11	17	24
Other engineering	53	64	76	75	81	110	119	108	134
Non-science and engineering	6,847	7,896	8,392	8,901	10,963	11,806	12,620	13,874	16,411
Education	3,275	3,818	4,029	4,284	5,468	5,788	6,326	7,076	8,686
Health	727	860	797	977	1,039	1,218	1,238	1,284	1,413
Humanities	518	567	552	605	645	604	682	747	815
Professional/other/unknown	2,327	2,651	3,014	3,035	3,811	4,196	4,374	4,767	5,497
White, non-Hispanic, all fields	160,782	165,154	170,411	173,498	179,311	179,684	182,078	188,555	201,469
Science and engineering	22,680	23,175	23,213	22,717	22,749	22,792	22,558	23,279	25,509
Science	20,440	20,985	21,108	20,496	20,712	20,751	20,462	21,208	23,247
Agricultural sciences	1,017	1,238	1,211	1,251	1,350	1,328	1,453	1,483	1,580
Biological sciences	1,889	2,165	2,275	2,196	2,278	2,381	2,324	2,414	2,672
Computer sciences	1,033	1,015	965	1,027	1,162	1,163	1,255	1,308	1,396
Earth, atmospheric, and ocean sciences	314	331	378	391	410	422	439	473	521
Mathematical sciences	942	864	860	815	753	652	683	713	775
Physical sciences	609	707	623	694	597	645	628	673	738
Astronomy	21	19	25	25	17	22	16	23	24
Chemistry	396	439	391	431	367	375	366	396	442
Physics	133	150	112	117	117	126	114	134	196
Other physical sciences	59	99	95	121	96	122	132	120	76
Psychology	7,405	7,181	7,557	7,049	7,240	7,343	7,019	7,097	7,670
Social sciences	7,231	7,484	7,239	7,073	6,922	6,817	6,661	7,047	7,895
Engineering	2,240	2,190	2,105	2,221	2,037	2,041	2,096	2,071	2,262
Chemical engineering	117	136	123	131	127	113	107	113	125
Civil engineering	619	605	648	672	593	564	545	543	584
Electrical engineering	356	340	307	299	285	276	314	289	313
Mechanical engineering	250	233	214	235	204	199	217	183	239
Other engineering	898	876	813	884	828	889	913	943	1,001
Non-science and engineering	138,102	141,979	147,198	150,781	156,562	156,892	159,520	165,276	175,960
Education	64,057	66,590	68,403	70,849	74,814	76,702	79,680	85,879	91,844

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Health	18,116	19,647	21,046	22,090	22,936	22,532	21,638	20,056	20,476
Humanities	11,211	10,992	10,771	10,758	10,026	9,812	9,949	10,146	10,957
Professional/other/unknown	44,718	44,750	46,978	47,084	48,786	47,846	48,253	49,195	52,683
U.S. citizens and permanent residents, unknown race/ethnicity, all fields	9,913	9,874	10,938	11,000	14,510	17,075	20,319	24,122	29,517
Science and engineering	1,522	1,597	1,632	1,589	2,055	2,280	2,634	2,831	3,276
Science	1,351	1,431	1,460	1,428	1,863	2,059	2,398	2,554	2,984
Agricultural sciences	87	61	63	50	67	88	73	93	113
Biological sciences	113	120	126	131	161	159	188	220	219
Computer sciences	99	106	122	122	170	257	392	366	488
Earth, atmospheric, and ocean sciences	16	14	12	16	17	26	14	35	29
Mathematical sciences	49	77	64	58	67	49	59	52	77
Physical sciences	52	42	34	48	43	52	64	54	74
Astronomy	1	1	0	1	1	4	3	5	9
Chemistry	35	26	26	38	33	31	44	30	43
Physics	10	11	6	7	7	10	14	17	20
Other physical sciences	6	4	2	2	2	7	3	2	2
Psychology	348	447	410	435	646	731	823	804	860
Social sciences	587	564	629	568	692	697	785	930	1,124
Engineering	171	166	172	161	192	221	236	277	292
Chemical engineering	13	8	7	9	9	14	16	10	14
Civil engineering	22	26	29	32	30	45	35	57	60
Electrical engineering	56	48	40	42	53	50	92	85	76
Mechanical engineering	12	17	16	15	22	18	20	18	25
Other engineering	68	67	80	63	78	94	73	107	117
Non-science and engineering	8,391	8,277	9,306	9,411	12,455	14,795	17,685	21,291	26,241
Education	3,643	3,605	3,927	4,125	5,651	6,886	8,423	11,170	13,067
Health	893	852	1,121	1,126	1,263	1,424	1,762	1,600	1,970
Humanities	788	739	795	714	942	960	1,117	1,228	1,293
Professional/other/unknown	3,067	3,081	3,463	3,446	4,599	5,525	6,383	7,293	9,911
Nonresident aliens, all fields ^b	17,597	18,200	19,276	20,725	22,782	25,049	26,097	28,815	29,881
Science and engineering	5,672	6,153	6,279	6,914	8,301	9,059	9,089	10,445	11,326
Science	4,337	4,761	4,830	5,191	6,274	6,804	6,957	7,797	8,169
Agricultural sciences	232	260	247	243	218	226	246	255	324
Biological sciences	432	531	508	504	459	507	492	559	647
Computer sciences	979	997	1,112	1,394	2,322	2,734	2,628	2,967	2,734
Earth, atmospheric, and ocean sciences	84	62	66	51	57	69	75	68	98
Mathematical sciences	374	359	347	370	487	501	535	711	847
Physical sciences	448	486	439	468	383	408	413	380	492
Astronomy	5	4	4	3	5	8	6	9	15
Chemistry	327	367	325	352	272	266	285	236	315
Physics	112	106	97	104	93	123	113	132	153
Other physical sciences	4	9	13	9	13	11	9	3	9
Psychology	328	303	277	347	346	337	347	515	462
Social sciences	1,460	1,763	1,834	1,814	2,002	2,022	2,221	2,342	2,565
Engineering	1,335	1,392	1,449	1,723	2,027	2,255	2,132	2,648	3,157
Chemical engineering	135	104	132	125	143	144	143	153	198
Civil engineering	230	228	222	256	256	274	305	361	376
Electrical engineering	499	505	530	688	868	1,031	846	1,182	1,511
Mechanical engineering	112	113	98	116	156	137	145	172	199
Other engineering	359	442	467	538	604	669	693	780	873
Non-science and engineering	11,925	12,047	12,997	13,811	14,481	15,990	17,008	18,370	18,555

TABLE 9. Master's degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Education	2,424	2,468	2,450	2,649	2,620	2,812	3,128	3,225	3,324
Health	866	770	851	832	930	1,114	1,079	1,086	1,273
Humanities	1,732	1,677	1,877	2,023	2,065	2,270	2,255	2,455	2,420
Professional/other/unknown	6,903	7,132	7,819	8,307	8,866	9,794	10,546	11,604	11,538

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only. No race/ethnicity data are collected for this group.

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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All fields	41,750	42,439	42,541	42,647	41,092	41,365	40,824	39,989	40,770	42,155
Science and engineering	26,536	27,241	27,232	27,278	25,933	25,966	25,548	24,588	25,289	26,275
Science	20,528	20,932	21,117	21,354	20,603	20,645	20,043	19,512	20,011	20,499
Agricultural sciences	1,117	1,118	1,078	1,110	1,065	1,038	975	1,009	1,061	1,046
Biological sciences	5,376	5,724	5,789	5,845	5,582	5,854	5,691	5,690	5,697	5,937
Computer sciences	997	920	909	927	856	859	826	807	865	949
Earth, atmospheric, and ocean sciences	699	711	782	741	706	663	630	673	646	672
Mathematics	1,190	1,122	1,123	1,177	1,083	1,050	1,007	918	994	1,075
Physical sciences	3,841	3,839	3,769	3,824	3,579	3,407	3,394	3,212	3,325	3,353
Astronomy	173	192	198	206	159	185	186	144	168	165
Chemistry	2,162	2,149	2,148	2,216	2,132	1,989	1,981	1,923	2,041	1,987
Physics	1,479	1,485	1,401	1,378	1,271	1,204	1,197	1,127	1,080	1,186
Other physical sciences	27	13	22	24	17	29	30	18	36	15
Psychology	3,429	3,495	3,557	3,675	3,668	3,618	3,442	3,199	3,281	3,336
Social sciences	3,879	4,003	4,110	4,055	4,064	4,156	4,078	4,004	4,142	4,131
Engineering	6,008	6,309	6,115	5,924	5,330	5,321	5,505	5,076	5,278	5,776
Chemical engineering	708	798	767	776	674	725	729	705	648	723
Civil engineering	656	698	655	650	584	556	594	626	674	675
Electrical engineering	1,731	1,741	1,720	1,596	1,478	1,544	1,576	1,395	1,466	1,649
Mechanical engineering	1,025	1,052	1,022	1,022	855	864	953	827	814	853
Other engineering	1,888	2,020	1,951	1,880	1,739	1,632	1,653	1,523	1,676	1,876
Non-science and engineering	15,214	15,198	15,309	15,369	15,159	15,399	15,276	15,401	15,481	15,880
Education	6,650	6,785	6,574	6,571	6,546	6,430	6,337	6,487	6,632	6,635
Health	1,329	1,324	1,421	1,500	1,407	1,592	1,622	1,653	1,636	1,730
Humanities	4,691	4,712	5,034	5,116	5,034	5,213	5,161	5,010	5,015	5,017
Professional/other/unknown	2,544	2,377	2,280	2,182	2,172	2,164	2,156	2,251	2,198	2,498
U.S. citizens and permanent residents, all fields ^a	32,060	31,540	31,082	31,159	30,294	29,929	28,878	27,661	28,119	27,959
Science and engineering	18,997	18,647	18,393	18,257	17,567	17,114	16,346	15,512	15,715	15,721
Science	15,655	15,258	15,061	15,213	14,678	14,543	13,900	13,348	13,545	13,539
Agricultural sciences	666	628	619	591	561	559	504	491	561	563
Biological sciences	4,329	4,364	4,256	4,308	4,124	4,268	4,243	4,112	4,056	4,187
Computer sciences	616	514	520	561	493	457	423	419	443	448
Earth, atmospheric, and ocean sciences	526	505	538	514	459	453	395	424	429	426
Mathematics	771	648	629	669	605	574	524	442	517	510
Physical sciences	2,841	2,571	2,497	2,455	2,277	2,092	2,045	1,940	1,970	1,866
Astronomy	141	149	158	147	117	139	123	109	131	115
Chemistry	1,624	1,463	1,439	1,467	1,406	1,241	1,230	1,230	1,265	1,180
Physics	1,059	949	883	823	742	692	677	589	552	559
Other physical sciences	17	10	17	18	12	20	15	12	22	12
Psychology	3,184	3,233	3,125	3,275	3,292	3,231	3,033	2,795	2,857	2,789
Social sciences	2,722	2,795	2,877	2,840	2,867	2,909	2,733	2,725	2,712	2,750
Engineering	3,342	3,389	3,332	3,044	2,889	2,571	2,446	2,164	2,170	2,182
Chemical engineering	381	391	409	374	371	382	361	336	292	312
Civil engineering	309	305	327	297	312	261	269	247	269	224
Electrical engineering	971	929	940	804	766	648	560	507	498	498
Mechanical engineering	563	588	538	515	464	396	428	342	332	299
Other engineering	1,118	1,176	1,118	1,054	976	884	828	732	779	849
Non-science and engineering	13,063	12,893	12,689	12,902	12,727	12,815	12,532	12,149	12,404	12,238
Education	5,995	6,075	5,747	5,745	5,814	5,681	5,450	5,398	5,643	5,417
Health	1,043	1,016	1,028	1,154	1,049	1,195	1,158	1,194	1,229	1,271
Humanities	4,056	4,047	4,235	4,327	4,292	4,391	4,379	4,115	4,134	4,051
Professional/other/unknown	1,969	1,755	1,679	1,676	1,572	1,548	1,545	1,442	1,398	1,499

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Asian, all fields ^b	4,297	3,674	3,109	2,707	2,495	2,272	2,173	2,109	2,025	2,054
Science and engineering	3,659	3,079	2,529	2,135	1,932	1,706	1,617	1,616	1,511	1,491
Science	2,627	2,183	1,822	1,581	1,420	1,267	1,195	1,208	1,171	1,137
Agricultural sciences	84	87	73	54	50	36	23	29	25	31
Biological sciences	920	885	721	657	608	539	546	561	526	488
Computer sciences	137	111	107	90	87	76	61	86	80	72
Earth, atmospheric, and ocean sciences	98	70	60	44	35	22	27	24	21	11
Mathematics	207	140	97	71	56	70	48	28	51	54
Physical sciences	749	501	400	331	252	203	197	194	183	162
Astronomy	22	12	8	13	3	13	6	13	8	8
Chemistry	415	295	234	206	183	121	123	122	112	110
Physics	311	193	157	111	66	68	68	59	62	44
Other physical sciences	1	1	1	1	0	1	0	0	1	0
Psychology	121	121	126	113	132	145	116	119	118	153
Social sciences	311	268	238	221	200	176	177	167	167	166
Engineering	1,032	896	707	554	512	439	422	408	340	354
Chemical engineering	101	80	73	65	58	69	53	70	46	58
Civil engineering	91	89	72	38	46	43	37	29	20	35
Electrical engineering	322	276	256	205	172	141	133	130	130	109
Mechanical engineering	188	166	113	89	88	72	75	70	50	47
Other engineering	330	285	193	157	148	114	124	109	94	105
Non-science and engineering	638	595	580	572	563	566	556	493	514	563
Education	179	180	180	177	166	173	146	138	150	155
Health	93	87	87	83	87	99	107	91	86	94
Humanities	192	187	179	192	193	176	181	168	181	204
Professional/other/unknown	174	141	134	120	117	118	122	96	97	110
Underrepresented minorities, all fields	2,673	2,745	2,839	3,120	3,301	3,225	3,154	3,269	3,362	3,399
Science and engineering	1,191	1,293	1,352	1,494	1,551	1,527	1,450	1,479	1,478	1,522
Science	1,035	1,106	1,141	1,290	1,358	1,356	1,261	1,290	1,286	1,334
Agricultural sciences	45	46	58	66	44	56	40	36	51	40
Biological sciences	249	249	265	291	311	308	319	318	295	353
Computer sciences	17	32	21	33	34	33	24	33	29	32
Earth, atmospheric, and ocean sciences	11	22	23	24	37	22	14	19	28	22
Mathematics	22	20	28	46	28	31	36	29	34	36
Physical sciences	123	132	130	119	138	149	132	138	131	126
Astronomy	5	2	6	4	4	5	9	5	4	6
Chemistry	82	85	85	86	107	102	96	87	89	93
Physics	36	45	38	29	27	40	27	46	36	27
Other physical sciences	0	0	1	0	0	2	0	0	2	0
Psychology	309	342	341	397	422	422	366	371	361	387
Social sciences	259	263	275	314	344	335	330	346	357	338
Engineering	156	187	211	204	193	171	189	189	192	188
Chemical engineering	18	32	27	19	20	27	25	30	26	24
Civil engineering	22	16	24	25	20	16	20	21	23	30
Electrical engineering	40	51	62	57	61	43	45	47	49	49
Mechanical engineering	23	26	32	34	23	33	39	30	23	28
Other engineering	53	62	66	69	69	52	60	61	71	57
Non-science and engineering	1,482	1,452	1,487	1,626	1,750	1,698	1,704	1,790	1,884	1,877
Education	922	885	861	995	1,050	1,028	987	1,058	1,136	1,104
Health	99	90	93	106	109	113	100	108	125	157
Humanities	287	312	368	358	382	386	419	421	416	389
Professional/other/unknown	174	165	165	167	209	171	198	203	207	227

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
American Indian/Alaska Native, all fields	148	186	167	189	214	169	150	150	137	131
Science and engineering	68	95	79	96	114	88	73	70	73	61
Science	59	81	62	83	102	80	67	63	61	55
Agricultural sciences	2	7	5	9	1	5	0	2	4	4
Biological sciences	15	20	7	12	20	17	15	12	11	14
Computer sciences	0	4	1	4	1	1	1	2	2	2
Earth, atmospheric, and ocean sciences	0	1	2	3	6	4	0	0	2	4
Mathematics	2	1	1	3	1	2	2	3	2	0
Physical sciences	8	6	10	9	9	9	12	7	2	5
Astronomy	0	0	1	1	1	1	1	0	0	0
Chemistry	6	4	6	7	5	7	11	5	2	4
Physics	2	2	2	1	3	1	0	2	0	1
Other physical sciences	0	0	1	0	0	0	0	0	0	0
Psychology	14	17	18	31	35	22	17	15	22	13
Social sciences	18	25	18	12	29	20	20	22	16	13
Engineering	9	14	17	13	12	8	6	7	12	6
Chemical engineering	2	1	4	3	2	1	1	2	1	2
Civil engineering	0	2	2	0	2	1	0	0	1	3
Electrical engineering	1	2	5	3	1	0	1	0	5	1
Mechanical engineering	2	3	6	2	2	3	1	1	1	0
Other engineering	4	6	0	5	5	3	3	4	4	0
Non-science and engineering	80	91	88	93	100	81	77	80	64	70
Education	41	60	51	50	58	51	42	46	40	46
Health	9	4	6	4	6	4	6	3	2	3
Humanities	18	18	19	21	21	20	21	20	15	13
Professional/other/unknown	12	9	12	18	15	6	8	11	7	8
Black, non-Hispanic, all fields	1,461	1,446	1,474	1,604	1,763	1,748	1,732	1,750	1,799	1,971
Science and engineering	550	572	615	644	715	710	703	685	664	746
Science	480	498	517	563	617	629	611	600	587	652
Agricultural sciences	19	26	26	22	27	22	14	13	22	20
Biological sciences	107	98	112	111	116	118	139	124	108	148
Computer sciences	11	12	4	14	19	18	15	17	17	17
Earth, atmospheric, and ocean sciences	1	2	6	5	11	3	5	5	11	7
Mathematics	5	8	7	16	12	14	19	14	16	10
Physical sciences	42	59	51	56	66	62	55	67	57	59
Astronomy	1	0	2	1	2	1	1	1	1	0
Chemistry	33	45	35	45	56	44	42	44	42	46
Physics	8	14	14	10	8	16	12	22	12	13
Other physical sciences	0	0	0	0	0	1	0	0	2	0
Psychology	149	152	152	158	172	189	174	171	169	204
Social sciences	146	141	159	181	194	203	190	189	187	187
Engineering	70	74	98	81	98	81	92	85	77	94
Chemical engineering	3	12	16	3	11	8	17	12	9	10
Civil engineering	11	8	10	9	6	6	11	13	9	7
Electrical engineering	24	22	31	23	30	21	22	16	21	33
Mechanical engineering	13	10	12	13	12	18	17	17	9	18
Other engineering	19	22	29	33	39	28	25	27	29	26
Non-science and engineering	911	874	859	960	1,048	1,038	1,029	1,065	1,135	1,225
Education	623	607	553	655	689	693	670	692	758	787
Health	60	48	55	65	57	75	64	72	79	107
Humanities	115	116	141	139	164	158	168	160	154	169
Professional/other/unknown	113	103	110	101	138	112	127	141	144	162

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Hispanic, all fields	1,064	1,113	1,198	1,327	1,324	1,308	1,272	1,369	1,426	1,297
Science and engineering	573	626	658	754	722	729	674	724	741	715
Science	496	527	562	644	639	647	583	627	638	627
Agricultural sciences	24	13	27	35	16	29	26	21	25	16
Biological sciences	127	131	146	168	175	173	165	182	176	191
Computer sciences	6	16	16	15	14	14	8	14	10	13
Earth, atmospheric, and ocean sciences	10	19	15	16	20	15	9	14	15	11
Mathematics	15	11	20	27	15	15	15	12	16	26
Physical sciences	73	67	69	54	63	78	65	64	72	62
Astronomy	4	2	3	2	1	3	7	4	3	6
Chemistry	43	36	44	34	46	51	43	38	45	43
Physics	26	29	22	18	16	23	15	22	24	13
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	146	173	171	208	215	211	175	185	170	170
Social sciences	95	97	98	121	121	112	120	135	154	138
Engineering	77	99	96	110	83	82	91	97	103	88
Chemical engineering	13	19	7	13	7	18	7	16	16	12
Civil engineering	11	6	12	16	12	9	9	8	13	20
Electrical engineering	15	27	26	31	30	22	22	31	23	15
Mechanical engineering	8	13	14	19	9	12	21	12	13	10
Other engineering	30	34	37	31	25	21	32	30	38	31
Non-science and engineering	491	487	540	573	602	579	598	645	685	582
Education	258	218	257	290	303	284	275	320	338	271
Health	30	38	32	37	46	34	30	33	44	47
Humanities	154	178	208	198	197	208	230	241	247	207
Professional/other/unknown	49	53	43	48	56	53	63	51	56	57
White, non-Hispanic, all fields	24,686	24,670	23,962	24,274	23,894	23,710	22,688	21,396	21,542	21,395
Science and engineering	13,887	13,996	13,828	14,004	13,719	13,443	12,760	11,913	12,024	12,018
Science	11,795	11,733	11,540	11,834	11,609	11,554	11,008	10,436	10,464	10,476
Agricultural sciences	528	485	465	454	456	452	430	416	465	465
Biological sciences	3,115	3,170	3,158	3,246	3,128	3,308	3,255	3,118	3,059	3,184
Computer sciences	450	356	361	412	356	336	322	290	307	321
Earth, atmospheric, and ocean sciences	409	406	434	427	376	393	338	365	361	367
Mathematics	535	478	479	526	506	464	428	369	408	398
Physical sciences	1,923	1,886	1,884	1,916	1,840	1,691	1,649	1,548	1,554	1,479
Astronomy	111	131	132	120	109	115	103	87	105	93
Chemistry	1,111	1,062	1,078	1,129	1,090	988	974	988	1,002	921
Physics	687	684	659	651	630	571	557	461	429	453
Other physical sciences	14	9	15	16	11	17	15	12	18	12
Psychology	2,722	2,744	2,523	2,646	2,701	2,607	2,454	2,229	2,263	2,141
Social sciences	2,113	2,208	2,236	2,207	2,246	2,303	2,132	2,101	2,047	2,121
Engineering	2,092	2,263	2,288	2,170	2,110	1,889	1,752	1,477	1,560	1,542
Chemical engineering	256	274	293	275	286	280	272	223	210	216
Civil engineering	194	199	220	217	241	194	194	185	217	155
Electrical engineering	590	589	579	523	510	443	368	306	296	312
Mechanical engineering	339	392	377	371	336	279	302	226	246	210
Other engineering	713	809	819	784	737	693	616	537	591	649
Non-science and engineering	10,799	10,674	10,134	10,270	10,175	10,267	9,928	9,483	9,518	9,377
Education	4,848	4,940	4,458	4,406	4,505	4,374	4,200	4,039	4,158	4,006
Health	832	822	828	929	837	961	922	969	970	974
Humanities	3,514	3,483	3,523	3,604	3,616	3,703	3,624	3,374	3,348	3,299
Professional/other/unknown	1,605	1,429	1,325	1,331	1,217	1,229	1,182	1,101	1,042	1,098

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
U.S. citizens and permanent residents, unknown race/ethnicity, all fields ^c	404	451	1,172	1,058	604	722	863	887	1,190	1,111
Science and engineering	260	279	684	624	365	438	519	504	702	690
Science	198	236	558	508	291	366	436	414	624	592
Agricultural sciences	9	10	23	17	11	15	11	10	20	27
Biological sciences	45	60	112	114	77	113	123	115	176	162
Computer sciences	12	15	31	26	16	12	16	10	27	23
Earth, atmospheric, and ocean sciences	8	7	21	19	11	16	16	16	19	26
Mathematics	7	10	25	26	15	9	12	16	24	22
Physical sciences	46	52	83	89	47	49	67	60	102	99
Astronomy	3	4	12	10	1	6	5	4	14	8
Chemistry	16	21	42	46	26	30	37	33	62	56
Physics	25	27	29	32	19	13	25	23	25	35
Other physical sciences	2	0	0	1	1	0	0	0	1	0
Psychology	32	26	135	119	37	57	97	76	115	108
Social sciences	39	56	128	98	77	95	94	111	141	125
Engineering	62	43	126	116	74	72	83	90	78	98
Chemical engineering	6	5	16	15	7	6	11	13	10	14
Civil engineering	2	1	11	17	5	8	18	12	9	4
Electrical engineering	19	13	43	19	23	21	14	24	23	28
Mechanical engineering	13	4	16	21	17	12	12	16	13	14
Other engineering	22	20	40	44	22	25	28	25	23	38
Non-science and engineering	144	172	488	434	239	284	344	383	488	421
Education	46	70	248	167	93	106	117	163	199	152
Health	19	17	20	36	16	22	29	26	48	46
Humanities	63	65	165	173	101	126	155	152	189	159
Professional/other/unknown	16	20	55	58	29	30	43	42	52	64
Nonresident aliens, all fields ^d	8,831	9,650	9,193	9,496	9,057	9,663	9,833	9,727	10,612	11,585
Science and engineering	7,007	7,836	7,509	7,776	7,238	7,660	7,964	7,690	8,407	9,122
Science	4,480	5,102	4,954	5,194	5,046	5,208	5,173	5,042	5,491	5,820
Agricultural sciences	442	470	412	480	486	444	402	433	428	413
Biological sciences	971	1,244	1,322	1,334	1,287	1,385	1,242	1,292	1,404	1,462
Computer sciences	365	377	330	328	330	363	360	349	380	459
Earth, atmospheric, and ocean sciences	160	178	211	198	215	174	210	218	193	221
Mathematics	384	443	441	447	444	443	436	440	441	526
Physical sciences	931	1,141	1,084	1,203	1,127	1,156	1,219	1,113	1,225	1,347
Astronomy	28	42	37	52	37	42	53	31	34	47
Chemistry	493	613	599	658	622	648	675	596	690	720
Physics	400	483	446	488	463	458	482	481	494	577
Other physical sciences	10	3	2	5	5	8	9	5	7	3
Psychology	165	180	137	169	153	164	153	156	197	188
Social sciences	1,062	1,069	1,017	1,035	1,004	1,079	1,151	1,041	1,223	1,204
Engineering	2,527	2,734	2,555	2,582	2,192	2,452	2,791	2,648	2,916	3,302
Chemical engineering	318	401	343	373	282	307	336	326	341	365
Civil engineering	337	372	310	316	253	280	300	348	389	421
Electrical engineering	712	750	712	709	637	785	933	824	920	1,054
Mechanical engineering	439	436	449	454	354	433	494	447	447	524
Other engineering	721	775	741	730	666	647	728	703	819	938
Non-science and engineering	1,824	1,814	1,684	1,720	1,819	2,003	1,869	2,037	2,205	2,463
Education	506	482	411	489	517	539	503	474	588	627
Health	246	268	273	286	286	306	320	323	328	366
Humanities	548	522	530	534	536	630	554	648	659	714

TABLE 10. Doctoral degrees awarded, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Professional/other/unknown	524	542	470	411	480	528	492	592	630	756
Citizenship unknown, all fields	859	1,249	2,266	1,992	1,741	1,773	2,113	2,601	2,039	2,611
Science and engineering	532	758	1,330	1,245	1,128	1,192	1,238	1,386	1,167	1,432
Science	393	572	1,102	947	879	894	970	1,122	975	1,140
Agricultural sciences	9	20	47	39	18	35	69	85	72	70
Biological sciences	76	116	211	203	171	201	206	286	237	288
Computer sciences	16	29	59	38	33	39	43	39	42	42
Earth, atmospheric, and ocean sciences	13	28	33	29	32	36	25	31	24	25
Mathematics	35	31	53	61	34	33	47	36	36	39
Physical sciences	69	127	188	166	175	159	130	159	130	140
Astronomy	4	1	3	7	5	4	10	4	3	3
Chemistry	45	73	110	91	104	100	76	97	86	87
Physics	20	53	72	67	66	54	38	57	34	50
Other physical sciences	0	0	3	1	0	1	6	1	7	0
Psychology	80	82	295	231	223	223	256	248	227	359
Social sciences	95	139	216	180	193	168	194	238	207	177
Engineering	139	186	228	298	249	298	268	264	192	292
Chemical engineering	9	6	15	29	21	36	32	43	15	46
Civil engineering	10	21	18	37	19	15	25	31	16	30
Electrical engineering	48	62	68	83	75	111	83	64	48	97
Mechanical engineering	23	28	35	53	37	35	31	38	35	30
Other engineering	49	69	92	96	97	101	97	88	78	89
Non-science and engineering	327	491	936	747	613	581	875	1,215	872	1,179
Education	149	228	416	337	215	210	384	615	401	591
Health	40	40	120	60	72	91	144	136	79	93
Humanities	87	143	269	255	206	192	228	247	222	252
Professional/other/unknown	51	80	131	95	120	88	119	217	170	243

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Includes Native Hawaiians and other Pacific Islanders prior to 2001.

^c Includes Native Hawaiians and other Pacific Islanders and multiple race/ethnicity from 2001 forward.

^d Nonresident aliens include foreign citizens on temporary visas only.

NOTE: See appendix B for specific fields included in each category.

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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All fields	25,161	25,286	24,943	24,633	23,434	23,166	22,793	21,771	22,201	22,976
Science and engineering	18,117	18,454	18,083	17,810	16,735	16,521	16,174	15,374	15,728	16,405
Science	12,847	12,966	12,767	12,699	12,231	12,062	11,607	11,203	11,375	11,655
Agricultural sciences	857	813	783	781	749	719	629	683	685	644
Biological sciences	3,132	3,287	3,262	3,294	3,171	3,226	3,133	3,143	3,085	3,181
Computer sciences	808	775	743	765	692	716	669	638	690	749
Earth, atmospheric, and ocean sciences	555	555	595	549	524	473	440	471	443	444
Mathematics	919	881	851	872	803	790	731	650	729	770
Physical sciences	2,944	2,970	2,893	2,879	2,733	2,567	2,551	2,346	2,420	2,476
Astronomy	143	151	161	161	126	145	145	116	127	119
Chemistry	1,488	1,526	1,523	1,509	1,493	1,361	1,349	1,275	1,386	1,352
Physics	1,291	1,283	1,196	1,195	1,103	1,040	1,036	946	882	1,001
Other physical sciences	22	10	13	14	11	21	21	9	25	4
Psychology	1,245	1,162	1,162	1,206	1,209	1,204	1,132	1,061	1,042	1,086
Social sciences	2,387	2,523	2,478	2,353	2,350	2,367	2,322	2,211	2,281	2,305
Engineering	5,270	5,488	5,316	5,111	4,504	4,459	4,567	4,171	4,353	4,750
Chemical engineering	597	653	641	630	550	571	547	527	492	549
Civil engineering	575	616	571	544	495	466	482	504	545	541
Electrical engineering	1,545	1,556	1,560	1,429	1,310	1,339	1,372	1,224	1,279	1,421
Mechanical engineering	954	963	928	922	751	767	860	729	726	758
Other engineering	1,599	1,700	1,616	1,586	1,398	1,316	1,306	1,187	1,311	1,481
Non-science and engineering	7,044	6,832	6,860	6,823	6,699	6,645	6,619	6,397	6,473	6,571
Education	2,547	2,579	2,394	2,424	2,334	2,254	2,237	2,186	2,240	2,266
Health	477	456	469	489	499	523	576	529	540	544
Humanities	2,429	2,352	2,618	2,638	2,590	2,616	2,575	2,497	2,500	2,423
Professional/other/unknown	1,591	1,445	1,379	1,272	1,276	1,252	1,231	1,185	1,193	1,338
U.S. citizens and permanent residents, all fields ^a	17,872	17,203	16,881	16,537	15,893	15,290	14,642	13,725	13,892	13,734
Science and engineering	12,081	11,682	11,391	11,067	10,495	9,980	9,433	8,810	8,890	8,875
Science	9,259	8,819	8,572	8,481	8,097	7,900	7,466	7,088	7,160	7,163
Agricultural sciences	506	443	443	387	376	364	310	309	361	337
Biological sciences	2,469	2,423	2,333	2,385	2,260	2,281	2,272	2,194	2,138	2,188
Computer sciences	473	423	419	437	387	371	325	322	346	345
Earth, atmospheric, and ocean sciences	407	386	393	364	330	314	260	266	284	260
Mathematics	588	503	452	470	413	409	370	308	365	356
Physical sciences	2,132	1,961	1,909	1,849	1,724	1,546	1,518	1,399	1,401	1,356
Astronomy	116	114	132	120	91	104	94	87	100	82
Chemistry	1,087	1,024	1,007	1,003	980	819	822	809	848	798
Physics	915	815	759	715	647	609	590	497	439	473
Other physical sciences	14	8	11	11	6	14	12	6	14	3
Psychology	1,127	1,048	1,014	1,058	1,063	1,052	983	916	894	895
Social sciences	1,557	1,632	1,609	1,531	1,544	1,563	1,428	1,374	1,371	1,426
Engineering	2,822	2,863	2,819	2,586	2,398	2,080	1,967	1,722	1,730	1,712
Chemical engineering	293	293	332	297	296	282	268	248	220	232
Civil engineering	257	258	269	239	251	213	203	190	200	159
Electrical engineering	851	823	834	712	685	555	493	441	433	430
Mechanical engineering	514	528	482	461	404	340	390	298	292	255
Other engineering	907	961	902	877	762	690	613	545	585	636
Non-science and engineering	5,791	5,521	5,490	5,470	5,398	5,310	5,209	4,915	5,002	4,859
Education	2,243	2,243	2,051	2,049	2,013	1,925	1,889	1,796	1,858	1,792
Health	324	293	287	310	329	341	340	340	354	346
Humanities	2,076	2,001	2,197	2,217	2,209	2,215	2,153	2,073	2,082	1,992
Professional/other/unknown	1,148	984	955	894	847	829	827	706	708	729

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Asian, all fields ^b	2,859	2,390	1,884	1,626	1,475	1,241	1,171	1,121	1,066	1,000
Science and engineering	2,548	2,105	1,639	1,369	1,217	1,027	936	939	871	816
Science	1,686	1,343	1,051	915	789	697	612	629	611	545
Agricultural sciences	66	58	53	30	31	24	11	14	9	8
Biological sciences	511	482	373	365	332	276	280	271	275	230
Computer sciences	107	95	81	67	68	61	41	60	63	53
Earth, atmospheric, and ocean sciences	72	58	43	31	25	14	20	14	14	7
Mathematics	158	104	69	44	36	49	32	23	27	37
Physical sciences	539	356	267	228	159	132	124	132	111	109
Astronomy	18	8	7	10	3	9	6	12	5	5
Chemistry	269	187	141	133	103	67	62	72	62	68
Physics	251	160	119	84	53	56	56	48	44	36
Other physical sciences	1	1	0	1	0	0	0	0	0	0
Psychology	43	31	31	29	34	46	25	39	37	26
Social sciences	190	159	134	121	104	95	79	76	75	75
Engineering	862	762	588	454	428	330	324	310	260	271
Chemical engineering	76	62	61	46	44	48	34	49	36	40
Civil engineering	77	75	58	32	41	33	28	22	17	24
Electrical engineering	276	246	217	173	146	108	105	104	100	89
Mechanical engineering	165	149	97	77	77	56	67	55	41	41
Other engineering	268	230	155	126	120	85	90	80	66	77
Non-science and engineering	311	285	245	257	258	214	235	182	195	184
Education	59	69	52	69	63	53	43	39	41	36
Health	52	47	37	35	39	36	38	20	37	30
Humanities	83	83	72	79	82	63	77	68	66	75
Professional/other/unknown	117	86	84	74	74	62	77	55	51	43
Underrepresented minorities, all fields	1,234	1,306	1,339	1,396	1,375	1,327	1,313	1,343	1,370	1,370
Science and engineering	670	734	766	775	766	741	705	697	696	715
Science	540	583	604	610	622	611	566	561	549	583
Agricultural sciences	31	37	45	46	28	33	20	23	31	16
Biological sciences	154	134	139	136	159	136	151	131	143	153
Computer sciences	9	20	17	24	20	25	10	24	20	24
Earth, atmospheric, and ocean sciences	8	15	16	16	26	17	7	17	16	16
Mathematics	16	18	20	30	17	16	23	16	21	26
Physical sciences	81	106	104	76	84	101	88	88	86	76
Astronomy	3	1	4	4	1	2	8	3	3	4
Chemistry	48	67	64	48	61	61	58	47	56	52
Physics	30	38	35	24	22	36	22	38	27	20
Other physical sciences	0	0	1	0	0	2	0	0	0	0
Psychology	94	99	111	112	106	107	101	105	105	109
Social sciences	147	154	152	170	182	176	166	157	127	163
Engineering	130	151	162	165	144	130	139	136	147	132
Chemical engineering	15	21	17	15	11	17	10	17	18	12
Civil engineering	18	14	22	20	11	13	18	17	16	22
Electrical engineering	35	41	52	51	52	40	41	39	41	38
Mechanical engineering	22	23	27	33	21	26	38	21	20	23
Other engineering	40	52	44	46	49	34	32	42	52	37
Non-science and engineering	564	572	573	621	609	586	608	646	674	655
Education	311	311	282	329	312	302	313	330	361	344
Health	35	30	25	27	27	25	23	25	29	36
Humanities	136	148	183	184	171	179	172	202	200	183
Professional/other/unknown	82	83	83	81	99	80	100	89	84	92

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
American Indian/Alaska Native, all fields	80	101	79	104	96	76	68	69	53	59
Science and engineering	42	60	45	54	59	43	41	37	34	34
Science	33	48	31	45	49	39	37	30	25	30
Agricultural sciences	2	3	5	7	1	4	0	2	3	2
Biological sciences	10	11	4	6	10	10	8	6	3	10
Computer sciences	0	2	0	4	0	1	1	2	2	2
Earth, atmospheric, and ocean sciences	0	1	1	2	3	3	0	0	1	4
Mathematics	1	1	1	1	1	1	1	2	1	0
Physical sciences	5	5	10	8	6	7	10	7	1	4
Astronomy	0	0	1	1	0	0	1	0	0	0
Chemistry	3	3	6	6	3	6	9	5	1	4
Physics	2	2	2	1	3	1	0	2	0	0
Other physical sciences	0	0	1	0	0	0	0	0	0	0
Psychology	6	8	6	13	12	3	5	7	8	4
Social sciences	9	17	4	4	16	10	12	4	6	4
Engineering	9	12	14	9	10	4	4	7	9	4
Chemical engineering	2	1	3	0	1	0	1	2	0	1
Civil engineering	0	1	1	0	1	0	0	0	1	2
Electrical engineering	1	1	5	3	1	0	1	0	5	1
Mechanical engineering	2	3	5	2	2	2	1	1	0	0
Other engineering	4	6	0	4	5	2	1	4	3	0
Non-science and engineering	38	41	34	50	37	33	27	32	19	25
Education	17	22	18	26	19	17	12	16	9	14
Health	2	1	2	1	0	1	2	0	1	0
Humanities	10	10	8	14	11	11	9	12	7	8
Professional/other/unknown	9	8	6	9	7	4	4	4	2	3
Black, non-Hispanic, all fields	612	638	636	610	700	642	676	673	653	714
Science and engineering	287	321	329	293	347	319	328	315	286	327
Science	232	266	254	234	273	262	261	258	228	266
Agricultural sciences	13	25	20	17	18	11	8	8	14	9
Biological sciences	64	58	52	41	50	44	55	57	44	59
Computer sciences	7	9	3	6	9	13	5	10	12	12
Earth, atmospheric, and ocean sciences	1	1	5	4	7	2	3	5	6	6
Mathematics	4	6	5	9	6	7	12	6	11	7
Physical sciences	24	46	40	25	37	41	35	39	36	34
Astronomy	1	0	1	1	0	0	1	0	1	0
Chemistry	16	35	26	17	33	25	23	22	28	26
Physics	7	11	13	7	4	15	11	17	7	8
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	39	38	41	43	37	45	50	42	43	50
Social sciences	80	83	88	89	109	99	93	91	62	89
Engineering	55	55	75	59	74	57	67	57	58	61
Chemical engineering	2	7	10	2	7	3	7	6	6	3
Civil engineering	8	7	10	7	4	5	11	9	7	4
Electrical engineering	20	17	27	19	25	19	21	12	17	24
Mechanical engineering	12	7	11	13	11	13	16	13	8	15
Other engineering	13	17	17	18	27	17	12	17	20	15
Non-science and engineering	325	317	307	317	353	323	348	358	367	387
Education	203	202	171	192	202	186	210	210	233	233
Health	18	13	15	14	12	14	12	16	17	26
Humanities	54	53	68	67	70	70	65	73	61	71
Professional/other/unknown	50	49	53	44	69	53	61	59	56	57

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Hispanic, all fields	542	567	624	682	579	609	569	601	664	597
Science and engineering	341	353	392	428	360	379	336	345	376	354
Science	275	269	319	331	300	310	268	273	296	287
Agricultural sciences	16	9	20	22	9	18	12	13	14	5
Biological sciences	80	65	83	89	99	82	88	68	96	84
Computer sciences	2	9	14	14	11	11	4	12	6	10
Earth, atmospheric, and ocean sciences	7	13	10	10	16	12	4	12	9	6
Mathematics	11	11	14	20	10	8	10	8	9	19
Physical sciences	52	55	54	43	41	53	43	42	49	38
Astronomy	2	1	2	2	1	2	6	3	2	4
Chemistry	29	29	32	25	25	30	26	20	27	22
Physics	21	25	20	16	15	20	11	19	20	12
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	49	53	64	56	57	59	46	56	54	55
Social sciences	58	54	60	77	57	67	61	62	59	70
Engineering	66	84	73	97	60	69	68	72	80	67
Chemical engineering	11	13	4	13	3	14	2	9	12	8
Civil engineering	10	6	11	13	6	8	7	8	8	16
Electrical engineering	14	23	20	29	26	21	19	27	19	13
Mechanical engineering	8	13	11	18	8	11	21	7	12	8
Other engineering	23	29	27	24	17	15	19	21	29	22
Non-science and engineering	201	214	232	254	219	230	233	256	288	243
Education	91	87	93	111	91	99	91	104	119	97
Health	15	16	8	12	15	10	9	9	11	10
Humanities	72	85	107	103	90	98	98	117	132	104
Professional/other/unknown	23	26	24	28	23	23	35	26	26	32
White, non-Hispanic, all fields	13,516	13,224	12,996	12,884	12,678	12,308	11,686	10,793	10,820	10,764
Science and engineering	8,673	8,647	8,560	8,510	8,262	7,932	7,476	6,873	6,894	6,919
Science	6,902	6,732	6,604	6,647	6,503	6,377	6,042	5,672	5,635	5,694
Agricultural sciences	405	340	331	300	309	294	273	265	308	295
Biological sciences	1,770	1,771	1,759	1,810	1,726	1,798	1,768	1,726	1,609	1,720
Computer sciences	347	295	295	328	285	274	262	231	243	250
Earth, atmospheric, and ocean sciences	320	307	320	301	271	274	219	230	242	224
Mathematics	409	373	344	376	347	338	308	258	298	273
Physical sciences	1,476	1,456	1,472	1,467	1,444	1,272	1,254	1,129	1,128	1,089
Astronomy	92	101	110	96	86	89	76	69	80	67
Chemistry	760	754	773	785	797	665	677	665	687	635
Physics	613	594	579	577	555	506	489	389	347	384
Other physical sciences	11	7	10	9	6	12	12	6	14	3
Psychology	980	909	833	882	912	882	826	748	714	730
Social sciences	1,195	1,281	1,250	1,183	1,209	1,245	1,132	1,085	1,093	1,113
Engineering	1,771	1,915	1,956	1,863	1,759	1,555	1,434	1,201	1,259	1,225
Chemical engineering	196	205	241	223	236	213	213	171	160	168
Civil engineering	160	168	180	172	194	160	143	144	159	110
Electrical engineering	523	523	525	470	466	388	334	276	272	276
Mechanical engineering	314	353	344	334	291	246	275	206	219	179
Other engineering	578	666	666	664	572	548	469	404	449	492
Non-science and engineering	4,843	4,577	4,436	4,374	4,416	4,376	4,210	3,920	3,926	3,845
Education	1,855	1,830	1,622	1,584	1,602	1,536	1,493	1,364	1,384	1,366
Health	232	212	219	234	257	271	271	286	271	265
Humanities	1,817	1,735	1,846	1,854	1,904	1,898	1,820	1,724	1,725	1,660
Professional/other/unknown	939	800	749	702	653	671	626	546	546	554

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
U.S. citizens and permanent residents, unknown race/ethnicity, all fields ^c	263	283	662	631	365	414	472	468	636	600
Science and engineering	190	196	426	413	250	280	316	301	429	425
Science	131	161	313	309	183	215	246	226	365	341
Agricultural sciences	4	8	14	11	8	13	6	7	13	18
Biological sciences	34	36	62	74	43	71	73	66	111	85
Computer sciences	10	13	26	18	14	11	12	7	20	18
Earth, atmospheric, and ocean sciences	7	6	14	16	8	9	14	5	12	13
Mathematics	5	8	19	20	13	6	7	11	19	20
Physical sciences	36	43	66	78	37	41	52	50	76	82
Astronomy	3	4	11	10	1	4	4	3	12	6
Chemistry	10	16	29	37	19	26	25	25	43	43
Physics	21	23	26	30	17	11	23	22	21	33
Other physical sciences	2	0	0	1	0	0	0	0	0	0
Psychology	10	9	39	35	11	17	31	24	38	30
Social sciences	25	38	73	57	49	47	51	56	76	75
Engineering	59	35	113	104	67	65	70	75	64	84
Chemical engineering	6	5	13	13	5	4	11	11	6	12
Civil engineering	2	1	9	15	5	7	14	7	8	3
Electrical engineering	17	13	40	18	21	19	13	22	20	27
Mechanical engineering	13	3	14	17	15	12	10	16	12	12
Other engineering	21	13	37	41	21	23	22	19	18	30
Non-science and engineering	73	87	236	218	115	134	156	167	207	175
Education	18	33	95	67	36	34	40	63	72	46
Health	5	4	6	14	6	9	8	9	17	15
Humanities	40	35	96	100	52	75	84	79	91	74
Professional/other/unknown	10	15	39	37	21	16	24	16	27	40
Nonresident aliens, all fields ^d	6,855	7,416	6,974	7,007	6,630	6,854	7,030	6,752	7,265	7,882
Science and engineering	5,748	6,329	5,976	6,006	5,588	5,796	5,999	5,724	6,159	6,677
Science	3,383	3,825	3,636	3,705	3,657	3,647	3,614	3,462	3,689	3,867
Agricultural sciences	349	357	313	366	364	327	275	316	285	261
Biological sciences	631	801	818	795	819	832	744	776	806	822
Computer sciences	322	335	292	305	283	315	313	287	312	377
Earth, atmospheric, and ocean sciences	141	152	179	163	174	129	166	179	142	163
Mathematics	305	360	366	362	366	359	326	318	336	383
Physical sciences	770	931	858	923	879	905	946	826	935	1,014
Astronomy	24	36	27	34	30	37	45	27	24	34
Chemistry	377	464	445	454	442	475	478	396	489	486
Physics	361	429	386	432	402	387	417	401	417	493
Other physical sciences	8	2	0	3	5	6	6	2	5	1
Psychology	80	86	58	68	70	68	68	61	75	71
Social sciences	785	803	752	723	702	712	776	699	798	776
Engineering	2,365	2,504	2,340	2,301	1,931	2,149	2,385	2,262	2,470	2,810
Chemical engineering	296	355	300	312	238	259	258	252	260	285
Civil engineering	314	341	288	276	227	243	258	293	332	361
Electrical engineering	668	698	674	656	575	696	806	735	808	914
Mechanical engineering	425	419	420	424	322	398	445	400	404	475
Other engineering	662	691	658	633	569	553	618	582	666	775
Non-science and engineering	1,107	1,087	998	1,001	1,042	1,058	1,031	1,028	1,106	1,205
Education	246	244	205	249	244	244	216	193	238	259
Health	140	147	135	156	139	143	170	140	164	167
Humanities	308	280	294	272	296	296	298	305	305	314

TABLE 11. Doctoral degrees awarded to men, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Professional/other/unknown	413	416	364	324	363	375	347	390	399	465
Citizenship unknown, all fields	434	667	1,088	1,089	911	1,022	1,121	1,294	1,044	1,360
Science and engineering	288	443	716	737	652	745	742	840	679	853
Science	205	322	559	513	477	515	527	653	526	625
Agricultural sciences	2	13	27	28	9	28	44	58	39	46
Biological sciences	32	63	111	114	92	113	117	173	141	171
Computer sciences	13	17	32	23	22	30	31	29	32	27
Earth, atmospheric, and ocean sciences	7	17	23	22	20	30	14	26	17	21
Mathematics	26	18	33	40	24	22	35	24	28	31
Physical sciences	42	78	126	107	130	116	87	121	84	106
Astronomy	3	1	2	7	5	4	6	2	3	3
Chemistry	24	38	71	52	71	67	49	70	49	68
Physics	15	39	51	48	54	44	29	48	26	35
Other physical sciences	0	0	2	0	0	1	3	1	6	0
Psychology	38	28	90	80	76	84	81	84	73	120
Social sciences	45	88	117	99	104	92	118	138	112	103
Engineering	83	121	157	224	175	230	215	187	153	228
Chemical engineering	8	5	9	21	16	30	21	27	12	32
Civil engineering	4	17	14	29	17	10	21	21	13	21
Electrical engineering	26	35	52	61	50	88	73	48	38	77
Mechanical engineering	15	16	26	37	25	29	25	31	30	28
Other engineering	30	48	56	76	67	73	75	60	60	70
Non-science and engineering	146	224	372	352	259	277	379	454	365	507
Education	58	92	138	126	77	85	132	197	144	215
Health	13	16	47	23	31	39	66	49	22	31
Humanities	45	71	127	149	85	105	124	119	113	117
Professional/other/unknown	30	45	60	54	66	48	57	89	86	144

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Includes Native Hawaiians and other Pacific Islanders prior to 2001.

^c Includes Native Hawaiians and other Pacific Islanders and multiple race/ethnicity from 2001 forward.

^d Nonresident aliens include foreign citizens on temporary visas only.

NOTE: See appendix B for specific fields included in each category.

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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All fields	16,418	16,956	17,241	17,849	17,480	18,125	17,951	18,124	18,410	19,098
Science and engineering	8,287	8,649	8,934	9,349	9,082	9,393	9,331	9,159	9,477	9,819
Science	7,591	7,872	8,184	8,575	8,294	8,556	8,402	8,271	8,581	8,805
Agricultural sciences	256	304	287	328	311	317	339	318	370	398
Biological sciences	2,217	2,415	2,495	2,536	2,394	2,622	2,549	2,545	2,599	2,747
Computer sciences	186	139	150	159	157	141	155	166	175	195
Earth, atmospheric, and ocean sciences	142	149	182	189	179	187	189	202	202	228
Mathematics	265	231	263	297	277	259	276	265	263	305
Physical sciences	878	842	852	926	831	835	838	861	894	870
Astronomy	30	41	37	45	33	40	41	28	41	46
Chemistry	661	605	613	695	632	624	628	647	649	629
Physics	182	193	193	177	160	163	160	177	193	184
Other physical sciences	5	3	9	9	6	8	9	9	11	11
Psychology	2,181	2,330	2,363	2,456	2,449	2,411	2,306	2,133	2,230	2,245
Social sciences	1,466	1,462	1,592	1,684	1,696	1,784	1,750	1,781	1,848	1,817
Engineering	696	777	750	774	788	837	929	888	896	1,014
Chemical engineering	109	143	122	140	123	151	180	176	154	173
Civil engineering	76	79	80	100	89	88	111	120	125	132
Electrical engineering	173	169	150	156	155	195	203	163	179	222
Mechanical engineering	64	78	88	93	96	96	91	96	84	95
Other engineering	274	308	310	285	325	307	344	333	354	392
Non-science and engineering	8,131	8,307	8,307	8,500	8,398	8,732	8,620	8,965	8,933	9,279
Education	4,093	4,187	4,120	4,130	4,195	4,173	4,095	4,290	4,364	4,361
Health	843	860	936	1,006	899	1,066	1,033	1,123	1,087	1,180
Humanities	2,256	2,343	2,381	2,469	2,418	2,593	2,578	2,506	2,505	2,588
Professional/other/unknown	939	917	870	895	886	900	914	1,046	977	1,150
U.S. citizens and permanent residents, all fields ^a	14,185	14,337	14,168	14,592	14,401	14,634	14,236	13,935	14,223	14,221
Science and engineering	6,914	6,965	6,988	7,172	7,072	7,132	6,913	6,701	6,823	6,842
Science	6,394	6,439	6,476	6,720	6,581	6,641	6,434	6,259	6,383	6,372
Agricultural sciences	160	185	175	204	185	195	194	181	200	226
Biological sciences	1,859	1,941	1,920	1,921	1,864	1,987	1,971	1,918	1,916	1,997
Computer sciences	143	91	100	123	106	86	98	97	97	102
Earth, atmospheric, and ocean sciences	119	119	144	150	129	139	135	158	145	166
Mathematics	183	145	177	198	192	164	154	134	152	154
Physical sciences	708	610	587	604	553	546	527	541	569	510
Astronomy	25	35	26	27	26	35	29	22	31	33
Chemistry	537	439	431	463	426	422	408	421	417	382
Physics	143	134	124	107	95	83	87	92	113	86
Other physical sciences	3	2	6	7	6	6	3	6	8	9
Psychology	2,057	2,185	2,106	2,212	2,229	2,178	2,050	1,879	1,963	1,893
Social sciences	1,165	1,163	1,267	1,308	1,323	1,346	1,305	1,351	1,341	1,324
Engineering	520	526	512	452	491	491	479	442	440	470
Chemical engineering	88	98	77	76	75	100	93	88	72	80
Civil engineering	52	47	58	58	61	48	66	57	69	65
Electrical engineering	120	106	106	91	81	93	67	66	65	68
Mechanical engineering	49	60	55	50	60	56	38	44	40	44
Other engineering	211	215	216	177	214	194	215	187	194	213
Non-science and engineering	7,271	7,372	7,180	7,420	7,329	7,502	7,323	7,234	7,400	7,379
Education	3,752	3,832	3,687	3,690	3,801	3,755	3,561	3,602	3,783	3,625
Health	719	723	740	844	720	854	818	854	875	925
Humanities	1,980	2,046	2,033	2,106	2,083	2,175	2,226	2,042	2,052	2,059
Professional/other/unknown	820	771	720	780	725	718	718	736	690	770

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Asian, all fields ^b	1,437	1,284	1,224	1,073	1,020	1,031	1,002	988	958	1,054
Science and engineering	1,111	974	889	760	715	679	681	677	639	675
Science	941	840	770	663	631	570	583	579	559	592
Agricultural sciences	18	29	20	24	19	12	12	15	16	23
Biological sciences	409	403	348	291	276	263	266	290	250	258
Computer sciences	30	16	26	23	19	15	20	26	17	19
Earth, atmospheric, and ocean sciences	26	12	17	13	10	8	7	10	7	4
Mathematics	49	36	28	27	20	21	16	5	24	17
Physical sciences	210	145	132	101	93	71	73	62	72	53
Astronomy	4	4	1	3	0	4	0	1	3	3
Chemistry	146	108	92	72	80	54	61	50	50	42
Physics	60	33	38	26	13	12	12	11	18	8
Other physical sciences	0	0	1	0	0	1	0	0	1	0
Psychology	78	90	95	84	98	99	91	80	81	127
Social sciences	121	109	104	100	96	81	98	91	92	91
Engineering	170	134	119	97	84	109	98	98	80	83
Chemical engineering	25	18	12	19	14	21	19	21	10	18
Civil engineering	14	14	14	6	5	10	9	7	3	11
Electrical engineering	46	30	39	31	26	33	28	26	30	20
Mechanical engineering	23	17	16	10	11	16	8	15	9	6
Other engineering	62	55	38	31	28	29	34	29	28	28
Non-science and engineering	326	310	335	313	305	352	321	311	319	379
Education	120	111	128	106	103	120	103	99	109	119
Health	41	40	50	48	48	63	69	71	49	64
Humanities	109	104	107	113	111	113	104	100	115	129
Professional/other/unknown	56	55	50	46	43	56	45	41	46	67
Underrepresented minorities, all fields	1,439	1,439	1,500	1,722	1,926	1,897	1,841	1,926	1,990	2,029
Science and engineering	521	559	586	719	785	785	745	782	782	807
Science	495	523	537	680	736	744	695	729	737	751
Agricultural sciences	14	9	13	20	16	23	20	13	20	24
Biological sciences	95	115	126	155	152	172	168	187	152	200
Computer sciences	8	12	4	9	14	8	14	9	9	8
Earth, atmospheric, and ocean sciences	3	7	7	8	11	5	7	2	12	6
Mathematics	6	2	8	16	11	15	13	13	13	10
Physical sciences	42	26	26	43	54	48	44	50	45	50
Astronomy	2	1	2	0	3	3	1	2	1	2
Chemistry	34	18	21	38	46	41	38	40	33	41
Physics	6	7	3	5	5	4	5	8	9	7
Other physical sciences	0	0	0	0	0	0	0	0	2	0
Psychology	215	243	230	285	316	314	265	266	256	278
Social sciences	112	109	123	144	162	159	164	189	230	175
Engineering	26	36	49	39	49	41	50	53	45	56
Chemical engineering	3	11	10	4	9	10	15	13	8	12
Civil engineering	4	2	2	5	9	3	2	4	7	8
Electrical engineering	5	10	10	6	9	3	4	8	8	11
Mechanical engineering	1	3	5	1	2	7	1	9	3	5
Other engineering	13	10	22	23	20	18	28	19	19	20
Non-science and engineering	918	880	914	1,003	1,141	1,112	1,096	1,144	1,208	1,222
Education	611	574	579	664	738	726	674	728	773	760
Health	64	60	68	79	82	88	77	83	96	121
Humanities	151	164	185	174	211	207	247	219	216	206
Professional/other/unknown	92	82	82	86	110	91	98	114	123	135

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
American Indian/Alaska Native, all fields	68	85	88	85	118	93	82	81	84	72
Science and engineering	26	35	34	42	55	45	32	33	39	27
Science	26	33	31	38	53	41	30	33	36	25
Agricultural sciences	0	4	0	2	0	1	0	0	1	2
Biological sciences	5	9	3	6	10	7	7	6	8	4
Computer sciences	0	2	1	0	1	0	0	0	0	0
Earth, atmospheric, and ocean sciences	0	0	1	1	3	1	0	0	1	0
Mathematics	1	0	0	2	0	1	1	1	1	0
Physical sciences	3	1	0	1	3	2	2	0	1	1
Astronomy	0	0	0	0	1	1	0	0	0	0
Chemistry	3	1	0	1	2	1	2	0	1	0
Physics	0	0	0	0	0	0	0	0	0	1
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	8	9	12	18	23	19	12	8	14	9
Social sciences	9	8	14	8	13	10	8	18	10	9
Engineering	0	2	3	4	2	4	2	0	3	2
Chemical engineering	0	0	1	3	1	1	0	0	1	1
Civil engineering	0	1	1	0	1	1	0	0	0	1
Electrical engineering	0	1	0	0	0	0	0	0	0	0
Mechanical engineering	0	0	1	0	0	1	0	0	1	0
Other engineering	0	0	0	1	0	1	2	0	1	0
Non-science and engineering	42	50	54	43	63	48	50	48	45	45
Education	24	38	33	24	39	34	30	30	31	32
Health	7	3	4	3	6	3	4	3	1	3
Humanities	8	8	11	7	10	9	12	8	8	5
Professional/other/unknown	3	1	6	9	8	2	4	7	5	5
Black, non-Hispanic, all fields	849	808	838	993	1,063	1,106	1,056	1,077	1,144	1,257
Science and engineering	263	251	286	351	368	391	375	370	378	419
Science	248	232	263	329	344	367	350	342	359	386
Agricultural sciences	6	1	6	5	9	11	6	5	8	11
Biological sciences	43	40	60	70	66	74	84	67	64	89
Computer sciences	4	3	1	8	10	5	10	7	5	5
Earth, atmospheric, and ocean sciences	0	1	1	1	4	1	2	0	5	1
Mathematics	1	2	2	7	6	7	7	8	5	3
Physical sciences	18	13	11	31	29	21	20	28	21	25
Astronomy	0	0	1	0	2	1	0	1	0	0
Chemistry	17	10	9	28	23	19	19	22	14	20
Physics	1	3	1	3	4	1	1	5	5	5
Other physical sciences	0	0	0	0	0	0	0	0	2	0
Psychology	110	114	111	115	135	144	124	129	126	154
Social sciences	66	58	71	92	85	104	97	98	125	98
Engineering	15	19	23	22	24	24	25	28	19	33
Chemical engineering	1	5	6	1	4	5	10	6	3	7
Civil engineering	3	1	0	2	2	1	0	4	2	3
Electrical engineering	4	5	4	4	5	2	1	4	4	9
Mechanical engineering	1	3	1	0	1	5	1	4	1	3
Other engineering	6	5	12	15	12	11	13	10	9	11
Non-science and engineering	586	557	552	642	695	715	681	707	766	838
Education	420	405	382	462	487	507	460	482	523	554
Health	42	35	40	51	45	61	52	56	62	81
Humanities	61	63	73	72	94	88	103	87	93	98
Professional/other/unknown	63	54	57	57	69	59	66	82	88	105

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Hispanic, all fields	522	546	574	644	745	698	703	768	762	700
Science and engineering	232	273	266	326	362	349	338	379	365	361
Science	221	258	243	313	339	336	315	354	342	340
Agricultural sciences	8	4	7	13	7	11	14	8	11	11
Biological sciences	47	66	63	79	76	91	77	114	80	107
Computer sciences	4	7	2	1	3	3	4	2	4	3
Earth, atmospheric, and ocean sciences	3	6	5	6	4	3	5	2	6	5
Mathematics	4	0	6	7	5	7	5	4	7	7
Physical sciences	21	12	15	11	22	25	22	22	23	24
Astronomy	2	1	1	0	0	1	1	1	1	2
Chemistry	14	7	12	9	21	21	17	18	18	21
Physics	5	4	2	2	1	3	4	3	4	1
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	97	120	107	152	158	151	129	129	116	115
Social sciences	37	43	38	44	64	45	59	73	95	68
Engineering	11	15	23	13	23	13	23	25	23	21
Chemical engineering	2	6	3	0	4	4	5	7	4	4
Civil engineering	1	0	1	3	6	1	2	0	5	4
Electrical engineering	1	4	6	2	4	1	3	4	4	2
Mechanical engineering	0	0	3	1	1	1	0	5	1	2
Other engineering	7	5	10	7	8	6	13	9	9	9
Non-science and engineering	290	273	308	318	383	349	365	389	397	339
Education	167	131	164	178	212	185	184	216	219	174
Health	15	22	24	25	31	24	21	24	33	37
Humanities	82	93	101	95	107	110	132	124	115	103
Professional/other/unknown	26	27	19	20	33	30	28	25	30	25
White, non-Hispanic, all fields	11,170	11,446	10,963	11,389	11,216	11,402	11,002	10,602	10,722	10,631
Science and engineering	5,214	5,349	5,266	5,494	5,457	5,511	5,284	5,039	5,130	5,099
Science	4,893	5,001	4,934	5,187	5,106	5,177	4,966	4,763	4,829	4,782
Agricultural sciences	123	145	134	154	147	158	157	150	157	170
Biological sciences	1,345	1,399	1,398	1,436	1,402	1,510	1,487	1,392	1,450	1,464
Computer sciences	103	61	66	84	71	62	60	59	64	71
Earth, atmospheric, and ocean sciences	89	99	113	126	105	119	119	135	119	143
Mathematics	126	105	135	150	159	126	120	111	110	125
Physical sciences	447	430	412	449	396	419	395	419	426	390
Astronomy	19	30	22	24	23	26	27	18	25	26
Chemistry	351	308	305	344	293	323	297	323	315	286
Physics	74	90	80	74	75	65	68	72	82	69
Other physical sciences	3	2	5	7	5	5	3	6	4	9
Psychology	1,742	1,835	1,690	1,764	1,789	1,725	1,628	1,481	1,549	1,411
Social sciences	918	927	986	1,024	1,037	1,058	1,000	1,016	954	1,008
Engineering	321	348	332	307	351	334	318	276	301	317
Chemical engineering	60	69	52	52	50	67	59	52	50	48
Civil engineering	34	31	40	45	47	34	51	41	58	45
Electrical engineering	67	66	54	53	44	55	34	30	24	36
Mechanical engineering	25	39	33	37	45	33	27	20	27	31
Other engineering	135	143	153	120	165	145	147	133	142	157
Non-science and engineering	5,956	6,097	5,697	5,895	5,759	5,891	5,718	5,563	5,592	5,532
Education	2,993	3,110	2,836	2,822	2,903	2,838	2,707	2,675	2,774	2,640
Health	600	610	609	695	580	690	651	683	699	709
Humanities	1,697	1,748	1,677	1,749	1,712	1,805	1,804	1,650	1,623	1,639
Professional/other/unknown	666	629	575	629	564	558	556	555	496	544

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
U.S. citizens and permanent residents, unknown race/ethnicity, all fields ^c	139	168	481	408	239	304	391	419	553	507
Science and engineering	68	83	247	199	115	157	203	203	272	261
Science	65	75	235	190	108	150	190	188	258	247
Agricultural sciences	5	2	8	6	3	2	5	3	7	9
Biological sciences	10	24	48	39	34	42	50	49	64	75
Computer sciences	2	2	4	7	2	1	4	3	7	4
Earth, atmospheric, and ocean sciences	1	1	7	3	3	7	2	11	7	13
Mathematics	2	2	6	5	2	2	5	5	5	2
Physical sciences	9	9	17	11	10	8	15	10	26	17
Astronomy	0	0	1	0	0	2	1	1	2	2
Chemistry	6	5	13	9	7	4	12	8	19	13
Physics	3	4	3	2	2	2	2	1	4	2
Other physical sciences	0	0	0	0	1	0	0	0	1	0
Psychology	22	17	91	79	26	40	66	52	77	77
Social sciences	14	18	54	40	28	48	43	55	65	50
Engineering	3	8	12	9	7	7	13	15	14	14
Chemical engineering	0	0	3	1	2	2	0	2	4	2
Civil engineering	0	0	2	2	0	1	4	5	1	1
Electrical engineering	2	0	3	1	2	2	1	2	3	1
Mechanical engineering	0	1	1	2	2	0	2	0	1	2
Other engineering	1	7	3	3	1	2	6	6	5	8
Non-science and engineering	71	85	234	209	124	147	188	216	281	246
Education	28	37	144	98	57	71	77	100	127	106
Health	14	13	13	22	10	13	21	17	31	31
Humanities	23	30	64	70	49	50	71	73	98	85
Professional/other/unknown	6	5	13	19	8	13	19	26	25	24
Nonresident aliens, all fields ^d	1,959	2,221	2,204	2,469	2,423	2,808	2,802	2,969	3,333	3,697
Science and engineering	1,248	1,500	1,521	1,755	1,648	1,863	1,965	1,962	2,238	2,441
Science	1,089	1,272	1,310	1,481	1,388	1,561	1,559	1,577	1,796	1,949
Agricultural sciences	92	113	98	114	122	117	127	117	143	152
Biological sciences	335	441	504	538	468	553	498	516	595	639
Computer sciences	43	42	38	23	47	48	47	62	68	82
Earth, atmospheric, and ocean sciences	19	25	31	34	41	45	44	39	51	58
Mathematics	79	83	75	85	77	84	110	121	104	143
Physical sciences	160	209	223	279	248	251	273	286	288	332
Astronomy	4	6	10	18	7	5	8	4	10	13
Chemistry	115	148	153	203	180	173	197	200	200	233
Physics	39	54	58	56	61	71	65	79	76	84
Other physical sciences	2	1	2	2	0	2	3	3	2	2
Psychology	85	94	79	101	83	96	85	95	122	116
Social sciences	276	265	262	307	302	367	375	341	425	427
Engineering	159	228	211	274	260	302	406	385	442	492
Chemical engineering	21	45	43	60	44	48	78	74	81	80
Civil engineering	23	31	21	39	26	37	42	55	55	60
Electrical engineering	44	52	36	52	62	88	127	88	111	140
Mechanical engineering	13	16	29	29	31	35	49	47	43	49
Other engineering	58	84	82	94	97	94	110	121	152	163
Non-science and engineering	711	721	683	714	775	945	837	1,007	1,095	1,256
Education	260	237	206	239	273	295	286	280	350	367
Health	104	117	138	129	147	163	150	183	163	199
Humanities	239	242	234	260	239	334	256	342	351	399

TABLE 12. Doctoral degrees awarded to women, by field, citizenship, and race/ethnicity of recipients: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Professional/other/unknown	108	125	105	86	116	153	145	202	231	291
Citizenship unknown, all fields	274	398	869	788	656	683	913	1,220	854	1,180
Science and engineering	125	184	425	422	362	398	453	496	416	536
Science	108	161	398	374	325	354	409	435	402	484
Agricultural sciences	4	6	14	10	4	5	18	20	27	20
Biological sciences	23	33	71	77	62	82	80	111	88	111
Computer sciences	0	6	12	13	4	7	10	7	10	11
Earth, atmospheric, and ocean sciences	4	5	7	5	9	3	10	5	6	4
Mathematics	3	3	11	14	8	11	12	10	7	8
Physical sciences	10	23	42	43	30	38	38	34	37	28
Astronomy	1	0	1	0	0	0	4	2	0	0
Chemistry	9	18	29	29	26	29	23	26	32	14
Physics	0	5	11	14	4	9	8	6	4	14
Other physical sciences	0	0	1	0	0	0	3	0	1	0
Psychology	39	51	178	143	137	137	171	159	145	236
Social sciences	25	34	63	69	71	71	70	89	82	66
Engineering	17	23	27	48	37	44	44	61	14	52
Chemical engineering	0	0	2	4	4	3	9	14	1	13
Civil engineering	1	1	1	3	2	3	3	8	1	7
Electrical engineering	9	11	8	13	12	14	9	9	3	14
Mechanical engineering	2	2	4	14	5	5	4	5	1	2
Other engineering	5	9	12	14	14	19	19	25	8	16
Non-science and engineering	149	214	444	366	294	285	460	724	438	644
Education	81	118	227	201	121	123	248	408	231	369
Health	20	20	58	33	32	49	65	86	49	56
Humanities	37	55	114	103	96	84	96	122	102	130
Professional/other/unknown	11	21	45	29	45	29	51	108	56	89

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Includes Native Hawaiians and other Pacific Islanders prior to 2001.

^c Includes Native Hawaiians and other Pacific Islanders and multiple race/ethnicity from 2001 forward.

^d Nonresident aliens include foreign citizens on temporary visas only.

NOTE: See appendix B for specific fields included in each category.

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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	85,287	89,554	92,067	95,878	104,212	106,648	111,032	117,257	122,618
Science and engineering	26,911	28,397	29,825	30,751	32,924	33,290	34,796	36,607	38,328
Science	24,066	25,397	26,748	27,732	29,861	30,406	31,814	33,533	35,116
Agricultural sciences	253	341	367	409	450	428	454	452	450
Biological sciences	3,232	3,812	4,124	4,553	4,739	4,693	4,634	4,774	4,997
Computer sciences	2,517	2,427	2,432	2,666	3,497	4,291	4,954	5,867	5,934
Earth, atmospheric, and ocean sciences	64	60	57	70	51	56	62	60	65
Mathematics	958	942	1,016	966	905	808	843	790	784
Physical sciences	970	1,040	1,053	1,057	1,090	996	1,018	928	958
Astronomy	3	3	0	2	1	2	3	1	3
Chemistry	738	789	861	824	888	827	796	744	756
Physics	172	176	148	179	152	133	182	147	166
Other physical sciences	57	72	44	52	49	34	37	36	33
Psychology	5,741	6,028	6,647	6,852	7,572	7,562	7,747	8,011	8,479
Social sciences	10,331	10,747	11,052	11,159	11,557	11,572	12,102	12,651	13,449
Engineering	2,845	3,000	3,077	3,019	3,063	2,884	2,982	3,074	3,212
Chemical engineering	305	337	373	385	383	373	346	317	303
Civil engineering	326	409	403	401	403	329	317	292	320
Electrical engineering	1,048	1,035	1,067	1,047	1,049	1,082	1,103	1,284	1,393
Mechanical engineering	604	632	642	548	594	515	561	471	504
Other engineering	562	587	592	638	634	585	655	710	692
Non-science and engineering	58,376	61,157	62,242	65,127	71,288	73,358	76,236	80,650	84,290
Education	9,021	9,697	10,230	10,556	11,053	10,549	10,340	10,450	10,225
Health	4,986	5,435	5,645	6,182	6,692	6,543	6,778	6,745	7,212
Humanities	7,300	7,619	7,736	8,182	8,918	9,050	9,562	10,016	10,489
Professional/other/unknown	37,069	38,406	38,631	40,207	44,625	47,216	49,556	53,439	56,364
HBCU, all fields	23,989	25,425	25,215	25,546	25,558	25,142	25,166	26,075	26,518
Science and engineering	8,146	8,695	8,814	8,830	8,530	8,682	8,607	8,717	8,905
Science	7,348	7,801	7,909	7,987	7,836	8,013	7,940	8,067	8,255
Agricultural sciences	119	178	202	210	213	198	229	218	189
Biological sciences	1,357	1,628	1,841	1,920	1,884	1,943	1,823	1,738	1,802
Computer sciences	967	979	834	904	987	1,220	1,274	1,487	1,563
Earth, atmospheric, and ocean sciences	5	12	6	23	5	7	4	7	8
Mathematics	468	443	478	444	427	345	339	302	290
Physical sciences	466	535	497	462	491	464	427	374	378
Astronomy	1	0	0	0	0	0	0	0	0
Chemistry	365	403	399	358	387	374	316	295	294
Physics	88	111	81	91	94	86	104	65	81
Other physical sciences	12	21	17	13	10	4	7	14	3
Psychology	1,432	1,512	1,653	1,636	1,682	1,677	1,685	1,753	1,816
Social sciences	2,534	2,514	2,398	2,388	2,147	2,159	2,159	2,188	2,209
Engineering	798	894	905	843	694	669	667	650	650
Chemical engineering	62	88	111	114	82	74	76	59	67
Civil engineering	120	146	141	114	115	89	87	94	89
Electrical engineering	345	333	310	315	241	284	259	268	305
Mechanical engineering	184	196	219	155	125	129	123	111	111
Other engineering	87	131	124	145	131	93	122	118	78
Non-science and engineering	15,843	16,730	16,401	16,716	17,028	16,460	16,559	17,358	17,613
Education	3,371	3,717	3,769	3,808	3,690	3,232	2,982	3,079	2,835
Health	956	1,140	1,288	1,412	1,308	1,190	1,238	1,139	1,231
Humanities	1,715	1,935	1,901	1,927	1,953	1,918	1,948	2,068	2,040
Professional/other/unknown	9,801	9,938	9,443	9,569	10,077	10,120	10,391	11,072	11,507

TABLE 13. Bachelor's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	28.1	28.4	27.4	26.6	24.5	23.6	22.7	22.2	21.6
Science and engineering	30.3	30.6	29.6	28.7	25.9	26.1	24.7	23.8	23.2
Science	30.5	30.7	29.6	28.8	26.2	26.4	25.0	24.1	23.5
Agricultural sciences	47.0	52.2	55.0	51.3	47.3	46.3	50.4	48.2	42.0
Biological sciences	42.0	42.7	44.6	42.2	39.8	41.4	39.3	36.4	36.1
Computer sciences	38.4	40.3	34.3	33.9	28.2	28.4	25.7	25.3	26.3
Earth, atmospheric, and ocean sciences	7.8	20.0	10.5	32.9	9.8	12.5	6.5	11.7	12.3
Mathematics	48.9	47.0	47.0	46.0	47.2	42.7	40.2	38.2	37.0
Physical sciences	48.0	51.4	47.2	43.7	45.0	46.6	41.9	40.3	39.5
Astronomy	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	49.5	51.1	46.3	43.4	43.6	45.2	39.7	39.7	38.9
Physics	51.2	63.1	54.7	50.8	61.8	64.7	57.1	44.2	48.8
Other physical sciences	21.1	29.2	38.6	25.0	20.4	11.8	18.9	38.9	9.1
Psychology	24.9	25.1	24.9	23.9	22.2	22.2	21.8	21.9	21.4
Social sciences	24.5	23.4	21.7	21.4	18.6	18.7	17.8	17.3	16.4
Engineering	28.0	29.8	29.4	27.9	22.7	23.2	22.4	21.1	20.2
Chemical engineering	20.3	26.1	29.8	29.6	21.4	19.8	22.0	18.6	22.1
Civil engineering	36.8	35.7	35.0	28.4	28.5	27.1	27.4	32.2	27.8
Electrical engineering	32.9	32.2	29.1	30.1	23.0	26.2	23.5	20.9	21.9
Mechanical engineering	30.5	31.0	34.1	28.3	21.0	25.0	21.9	23.6	22.0
Other engineering	15.5	22.3	20.9	22.7	20.7	15.9	18.6	16.6	11.3
Non-science and engineering	27.1	27.4	26.4	25.7	23.9	22.4	21.7	21.5	20.9
Education	37.4	38.3	36.8	36.1	33.4	30.6	28.8	29.5	27.7
Health	19.2	21.0	22.8	22.8	19.5	18.2	18.3	16.9	17.1
Humanities	23.5	25.4	24.6	23.6	21.9	21.2	20.4	20.6	19.4
Professional/other/unknown	26.4	25.9	24.4	23.8	22.6	21.4	21.0	20.7	20.4

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	30,998	32,223	32,726	33,653	35,648	36,378	37,206	38,991	40,692
Science and engineering	10,712	11,230	11,495	11,698	11,976	11,963	12,421	13,221	13,729
Science	8,866	9,266	9,475	9,721	10,003	10,105	10,530	11,203	11,613
Agricultural sciences	115	170	171	179	183	167	179	196	168
Biological sciences	981	1,236	1,304	1,448	1,380	1,326	1,276	1,258	1,307
Computer sciences	1,253	1,223	1,253	1,372	1,827	2,302	2,630	3,117	3,267
Earth, atmospheric, and ocean sciences	45	31	37	33	27	32	30	33	25
Mathematics	458	449	483	462	434	357	373	374	337
Physical sciences	450	451	429	488	445	416	407	377	366
Astronomy	3	2	0	1	1	2	2	0	1
Chemistry	295	304	302	340	327	314	277	255	246
Physics	122	111	101	114	89	90	113	106	104
Other physical sciences	30	34	26	33	28	10	15	16	15
Psychology	1,402	1,418	1,591	1,544	1,646	1,557	1,537	1,563	1,573
Social sciences	4,162	4,288	4,207	4,195	4,061	3,948	4,098	4,285	4,570
Engineering	1,846	1,964	2,020	1,977	1,973	1,858	1,891	2,018	2,116
Chemical engineering	140	127	165	165	169	179	156	149	149
Civil engineering	214	266	275	254	256	215	191	181	187
Electrical engineering	735	778	777	782	753	759	781	929	1,019
Mechanical engineering	449	451	459	398	443	381	407	348	366
Other engineering	308	342	344	378	352	324	356	411	395
Non-science and engineering	20,286	20,993	21,231	21,955	23,672	24,415	24,785	25,770	26,963
Education	3,076	3,348	3,524	3,744	3,859	3,706	3,662	3,658	3,627
Health	671	745	750	861	880	908	836	825	879
Humanities	2,692	2,899	2,970	3,139	3,293	3,375	3,613	3,615	3,870
Professional/other/unknown	13,847	14,001	13,987	14,211	15,640	16,426	16,674	17,672	18,587
HBCU, all fields	8,587	9,094	8,933	8,976	8,954	8,636	8,629	8,997	8,827
Science and engineering	3,046	3,298	3,283	3,228	2,934	2,854	2,937	2,968	2,925
Science	2,546	2,754	2,749	2,735	2,530	2,481	2,524	2,575	2,529
Agricultural sciences	55	96	101	93	91	98	91	97	78
Biological sciences	385	482	543	575	483	507	505	412	421
Computer sciences	411	442	378	438	483	566	610	756	804
Earth, atmospheric, and ocean sciences	3	5	5	4	5	2	2	2	2
Mathematics	206	206	223	214	208	152	145	142	106
Physical sciences	199	197	157	175	171	180	164	138	131
Astronomy	1	0	0	0	0	0	0	0	0
Chemistry	136	128	103	118	124	122	105	92	83
Physics	54	62	44	50	43	57	55	42	46
Other physical sciences	8	7	10	7	4	1	4	4	2
Psychology	350	360	428	377	379	337	344	342	337
Social sciences	937	966	914	859	710	639	663	686	650
Engineering	500	544	534	493	404	373	413	393	396
Chemical engineering	28	26	31	34	22	29	31	24	22
Civil engineering	73	82	99	63	69	51	52	53	46
Electrical engineering	218	233	199	221	150	173	165	171	204
Mechanical engineering	136	131	137	103	99	73	89	78	75
Other engineering	45	72	68	72	64	47	76	67	49
Non-science and engineering	5,541	5,796	5,650	5,748	6,020	5,782	5,692	6,029	5,902
Education	1,058	1,245	1,291	1,350	1,330	1,190	1,156	1,180	1,065
Health	134	178	177	204	213	184	162	144	155
Humanities	627	728	734	750	748	749	746	799	762
Professional/other/unknown	3,722	3,645	3,448	3,444	3,729	3,659	3,628	3,906	3,920

TABLE 14. Bachelor's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	27.7	28.2	27.3	26.7	25.1	23.7	23.2	23.1	21.7
Science and engineering	28.4	29.4	28.6	27.6	24.5	23.9	23.6	22.4	21.3
Science	28.7	29.7	29.0	28.1	25.3	24.6	24.0	23.0	21.8
Agricultural sciences	47.8	56.5	59.1	52.0	49.7	58.7	50.8	49.5	46.4
Biological sciences	39.2	39.0	41.6	39.7	35.0	38.2	39.6	32.8	32.2
Computer sciences	32.8	36.1	30.2	31.9	26.4	24.6	23.2	24.3	24.6
Earth, atmospheric, and ocean sciences	6.7	16.1	13.5	12.1	18.5	6.3	6.7	6.1	8.0
Mathematics	45.0	45.9	46.2	46.3	47.9	42.6	38.9	38.0	31.5
Physical sciences	44.2	43.7	36.6	35.9	38.4	43.3	40.3	36.6	35.8
Astronomy	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	46.1	42.1	34.1	34.7	37.9	38.9	37.9	36.1	33.7
Physics	44.3	55.9	43.6	43.9	48.3	63.3	48.7	39.6	44.2
Other physical sciences	26.7	20.6	38.5	21.2	14.3	10.0	26.7	25.0	13.3
Psychology	25.0	25.4	26.9	24.4	23.0	21.6	22.4	21.9	21.4
Social sciences	22.5	22.5	21.7	20.5	17.5	16.2	16.2	16.0	14.2
Engineering	27.1	27.7	26.4	24.9	20.5	20.1	21.8	19.5	18.7
Chemical engineering	20.0	20.5	18.8	20.6	13.0	16.2	19.9	16.1	14.8
Civil engineering	34.1	30.8	36.0	24.8	27.0	23.7	27.2	29.3	24.6
Electrical engineering	29.7	29.9	25.6	28.3	19.9	22.8	21.1	18.4	20.0
Mechanical engineering	30.3	29.0	29.8	25.9	22.3	19.2	21.9	22.4	20.5
Other engineering	14.6	21.1	19.8	19.0	18.2	14.5	21.3	16.3	12.4
Non-science and engineering	27.3	27.6	26.6	26.2	25.4	23.7	23.0	23.4	21.9
Education	34.4	37.2	36.6	36.1	34.5	32.1	31.6	32.3	29.4
Health	20.0	23.9	23.6	23.7	24.2	20.3	19.4	17.5	17.6
Humanities	23.3	25.1	24.7	23.9	22.7	22.2	20.6	22.1	19.7
Professional/other/unknown	26.9	26.0	24.7	24.2	23.8	22.3	21.8	22.1	21.1

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	54,289	57,331	59,341	62,225	68,564	70,270	73,826	78,266	81,926
Science and engineering	16,199	17,167	18,330	19,053	20,948	21,327	22,375	23,386	24,599
Science	15,200	16,131	17,273	18,011	19,858	20,301	21,284	22,330	23,503
Agricultural sciences	138	171	196	230	267	261	275	256	282
Biological sciences	2,251	2,576	2,820	3,105	3,359	3,367	3,358	3,516	3,690
Computer sciences	1,264	1,204	1,179	1,294	1,670	1,989	2,324	2,750	2,667
Earth, atmospheric, and ocean sciences	19	29	20	37	24	24	32	27	40
Mathematics	500	493	533	504	471	451	470	416	447
Physical sciences	520	589	624	569	645	580	611	551	592
Astronomy	0	1	0	1	0	0	1	1	2
Chemistry	443	485	559	484	561	513	519	489	510
Physics	50	65	47	65	63	43	69	41	62
Other physical sciences	27	38	18	19	21	24	22	20	18
Psychology	4,339	4,610	5,056	5,308	5,926	6,005	6,210	6,448	6,906
Social sciences	6,169	6,459	6,845	6,964	7,496	7,624	8,004	8,366	8,879
Engineering	999	1,036	1,057	1,042	1,090	1,026	1,091	1,056	1,096
Chemical engineering	165	210	208	220	214	194	190	168	154
Civil engineering	112	143	128	147	147	114	126	111	133
Electrical engineering	313	257	290	265	296	323	322	355	374
Mechanical engineering	155	181	183	150	151	134	154	123	138
Other engineering	254	245	248	260	282	261	299	299	297
Non-science and engineering	38,090	40,164	41,011	43,172	47,616	48,943	51,451	54,880	57,327
Education	5,945	6,349	6,706	6,812	7,194	6,843	6,678	6,792	6,598
Health	4,315	4,690	4,895	5,321	5,812	5,635	5,942	5,920	6,333
Humanities	4,608	4,720	4,766	5,043	5,625	5,675	5,949	6,401	6,619
Professional/other/unknown	23,222	24,405	24,644	25,996	28,985	30,790	32,882	35,767	37,777
HBCU, all fields	15,402	16,331	16,282	16,570	16,604	16,506	16,537	17,078	17,691
Science and engineering	5,100	5,397	5,531	5,602	5,596	5,828	5,670	5,749	5,980
Science	4,802	5,047	5,160	5,252	5,306	5,532	5,416	5,492	5,726
Agricultural sciences	64	82	101	117	122	100	138	121	111
Biological sciences	972	1,146	1,298	1,345	1,401	1,436	1,318	1,326	1,381
Computer sciences	556	537	456	466	504	654	664	731	759
Earth, atmospheric, and ocean sciences	2	7	1	19	0	5	2	5	6
Mathematics	262	237	255	230	219	193	194	160	184
Physical sciences	267	338	340	287	320	284	263	236	247
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	229	275	296	240	263	252	211	203	211
Physics	34	49	37	41	51	29	49	23	35
Other physical sciences	4	14	7	6	6	3	3	10	1
Psychology	1,082	1,152	1,225	1,259	1,303	1,340	1,341	1,411	1,479
Social sciences	1,597	1,548	1,484	1,529	1,437	1,520	1,496	1,502	1,559
Engineering	298	350	371	350	290	296	254	257	254
Chemical engineering	34	62	80	80	60	45	45	35	45
Civil engineering	47	64	42	51	46	38	35	41	43
Electrical engineering	127	100	111	94	91	111	94	97	101
Mechanical engineering	48	65	82	52	26	56	34	33	36
Other engineering	42	59	56	73	67	46	46	51	29
Non-science and engineering	10,302	10,934	10,751	10,968	11,008	10,678	10,867	11,329	11,711
Education	2,313	2,472	2,478	2,458	2,360	2,042	1,826	1,899	1,770
Health	822	962	1,111	1,208	1,095	1,006	1,076	995	1,076
Humanities	1,088	1,207	1,167	1,177	1,205	1,169	1,202	1,269	1,278
Professional/other/unknown	6,079	6,293	5,995	6,125	6,348	6,461	6,763	7,166	7,587

TABLE 15. Bachelor's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	28.4	28.5	27.4	26.6	24.2	23.5	22.4	21.8	21.6
Science and engineering	31.5	31.4	30.2	29.4	26.7	27.3	25.3	24.6	24.3
Science	31.6	31.3	29.9	29.2	26.7	27.2	25.4	24.6	24.4
Agricultural sciences	46.4	48.0	51.5	50.9	45.7	38.3	50.2	47.3	39.4
Biological sciences	43.2	44.5	46.0	43.3	41.7	42.6	39.2	37.7	37.4
Computer sciences	44.0	44.6	38.7	36.0	30.2	32.9	28.6	26.6	28.5
Earth, atmospheric, and ocean sciences	10.5	24.1	5.0	51.4	0.0	20.8	6.3	18.5	15.0
Mathematics	52.4	48.1	47.8	45.6	46.5	42.8	41.3	38.5	41.2
Physical sciences	51.3	57.4	54.5	50.4	49.6	49.0	43.0	42.8	41.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	51.7	56.7	53.0	49.6	46.9	49.1	40.7	41.5	41.4
Physics	68.0	75.4	78.7	63.1	81.0	67.4	71.0	56.1	56.5
Other physical sciences	14.8	36.8	38.9	31.6	28.6	12.5	13.6	50.0	5.6
Psychology	24.9	25.0	24.2	23.7	22.0	22.3	21.6	21.9	21.4
Social sciences	25.9	24.0	21.7	22.0	19.2	19.9	18.7	18.0	17.6
Engineering	29.8	33.8	35.1	33.6	26.6	28.8	23.3	24.3	23.2
Chemical engineering	20.6	29.5	38.5	36.4	28.0	23.2	23.7	20.8	29.2
Civil engineering	42.0	44.8	32.8	34.7	31.3	33.3	27.8	36.9	32.3
Electrical engineering	40.6	38.9	38.3	35.5	30.7	34.4	29.2	27.3	27.0
Mechanical engineering	31.0	35.9	44.8	34.7	17.2	41.8	22.1	26.8	26.1
Other engineering	16.5	24.1	22.6	28.1	23.8	17.6	15.4	17.1	9.8
Non-science and engineering	27.0	27.2	26.2	25.4	23.1	21.8	21.1	20.6	20.4
Education	38.9	38.9	37.0	36.1	32.8	29.8	27.3	28.0	26.8
Health	19.0	20.5	22.7	22.7	18.8	17.9	18.1	16.8	17.0
Humanities	23.6	25.6	24.5	23.3	21.4	20.6	20.2	19.8	19.3
Professional/other/unknown	26.2	25.8	24.3	23.6	21.9	21.0	20.6	20.0	20.1

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	22,954	24,588	26,948	28,616	33,305	35,059	36,524	39,582	44,375
Science and engineering	4,210	4,420	4,870	4,894	5,492	6,117	6,133	6,795	7,455
Science	3,545	3,746	4,196	4,180	4,834	5,417	5,395	5,968	6,602
Agricultural sciences	74	88	96	95	84	96	88	103	102
Biological sciences	163	199	236	190	223	313	288	293	381
Computer sciences	373	435	411	424	580	654	659	881	902
Earth, atmospheric, and ocean sciences	15	11	12	15	7	21	18	18	22
Mathematics	140	145	154	142	98	113	113	98	115
Physical sciences	132	105	132	131	117	130	121	113	120
Astronomy	4	1	2	0	0	0	2	1	1
Chemistry	77	65	84	79	65	82	74	76	87
Physics	41	32	39	34	44	41	37	32	27
Other physical sciences	10	7	7	18	8	7	8	4	5
Psychology	802	870	1,059	1,020	1,346	1,598	1,631	1,801	1,923
Social sciences	1,846	1,893	2,096	2,163	2,379	2,492	2,477	2,661	3,037
Engineering	665	674	674	714	658	700	738	827	853
Chemical engineering	28	33	35	43	34	34	31	43	31
Civil engineering	105	116	109	127	93	102	101	96	76
Electrical engineering	228	192	168	198	183	188	189	226	238
Mechanical engineering	91	85	110	96	91	89	71	79	85
Other engineering	213	248	252	250	257	287	346	383	423
Non-science and engineering	18,744	20,168	22,078	23,722	27,813	28,942	30,391	32,787	36,920
Education	8,250	8,659	9,720	10,401	12,092	11,984	12,730	13,707	15,168
Health	1,344	1,577	1,624	2,048	2,158	2,503	2,607	2,769	3,037
Humanities	1,028	1,028	1,001	1,111	1,187	1,186	1,190	1,286	1,290
Professional/other/unknown	8,122	8,904	9,733	10,162	12,376	13,269	13,864	15,025	17,425
HBCU, all fields	3,478	3,818	4,218	4,411	4,731	4,586	4,474	4,556	5,059
Science and engineering	726	782	868	862	807	998	972	975	1,047
Science	672	720	804	777	746	944	911	903	965
Agricultural sciences	33	38	51	52	33	42	32	36	38
Biological sciences	48	60	76	63	75	102	73	64	88
Computer sciences	94	92	88	95	107	107	115	109	82
Earth, atmospheric, and ocean sciences	1	2	0	0	0	4	5	3	0
Mathematics	44	48	45	46	30	37	34	24	21
Physical sciences	40	36	51	42	32	38	32	32	32
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	22	19	33	26	10	21	18	18	22
Physics	18	17	18	16	19	17	14	14	10
Other physical sciences	0	0	0	0	3	0	0	0	0
Psychology	131	150	171	133	136	261	292	327	314
Social sciences	281	294	322	346	333	353	328	308	390
Engineering	54	62	64	85	61	54	61	72	82
Chemical engineering	1	1	0	0	1	3	5	3	7
Civil engineering	2	11	11	13	13	7	12	13	10
Electrical engineering	23	30	13	20	14	17	15	16	25
Mechanical engineering	9	9	18	19	15	4	11	8	19
Other engineering	19	11	22	33	18	23	18	32	21
Non-science and engineering	2,752	3,036	3,350	3,549	3,924	3,588	3,502	3,581	4,012
Education	1,662	1,755	2,107	2,196	2,390	2,115	1,963	2,074	2,223
Health	94	106	114	155	179	225	252	207	257
Humanities	62	84	85	105	83	66	88	90	95
Professional/other/unknown	934	1,091	1,044	1,093	1,272	1,182	1,199	1,210	1,437

TABLE 16. Master's degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	15.2	15.5	15.7	15.4	14.2	13.1	12.2	11.5	11.4
Science and engineering	17.2	17.7	17.8	17.6	14.7	16.3	15.8	14.3	14.0
Science	19.0	19.2	19.2	18.6	15.4	17.4	16.9	15.1	14.6
Agricultural sciences	44.6	43.2	53.1	54.7	39.3	43.8	36.4	35.0	37.3
Biological sciences	29.4	30.2	32.2	33.2	33.6	32.6	25.3	21.8	23.1
Computer sciences	25.2	21.1	21.4	22.4	18.4	16.4	17.5	12.4	9.1
Earth, atmospheric, and ocean sciences	6.7	18.2	0.0	0.0	0.0	19.0	27.8	16.7	0.0
Mathematics	31.4	33.1	29.2	32.4	30.6	32.7	30.1	24.5	18.3
Physical sciences	30.3	34.3	38.6	32.1	27.4	29.2	26.4	28.3	26.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	28.6	29.2	39.3	32.9	15.4	25.6	24.3	23.7	25.3
Physics	43.9	53.1	46.2	47.1	43.2	41.5	37.8	43.8	37.0
Other physical sciences	0.0	0.0	0.0	0.0	37.5	0.0	0.0	0.0	0.0
Psychology	16.3	17.2	16.1	13.0	10.1	16.3	17.9	18.2	16.3
Social sciences	15.2	15.5	15.4	16.0	14.0	14.2	13.2	11.6	12.8
Engineering	8.1	9.2	9.5	11.9	9.3	7.7	8.3	8.7	9.6
Chemical engineering	3.6	3.0	0.0	0.0	2.9	8.8	16.1	7.0	22.6
Civil engineering	1.9	9.5	10.1	10.2	14.0	6.9	11.9	13.5	13.2
Electrical engineering	10.1	15.6	7.7	10.1	7.7	9.0	7.9	7.1	10.5
Mechanical engineering	9.9	10.6	16.4	19.8	16.5	4.5	15.5	10.1	22.4
Other engineering	8.9	4.4	8.7	13.2	7.0	8.0	5.2	8.4	5.0
Non-science and engineering	14.7	15.1	15.2	15.0	14.1	12.4	11.5	10.9	10.9
Education	20.1	20.3	21.7	21.1	19.8	17.6	15.4	15.1	14.7
Health	7.0	6.7	7.0	7.6	8.3	9.0	9.7	7.5	8.5
Humanities	6.0	8.2	8.5	9.5	7.0	5.6	7.4	7.0	7.4
Professional/other/unknown	11.5	12.3	10.7	10.8	10.3	8.9	8.6	8.1	8.2

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	7,636	7,998	8,444	9,107	10,309	10,401	10,513	11,268	12,586
Science and engineering	1,891	1,900	1,983	2,066	2,198	2,262	2,278	2,552	2,648
Science	1,427	1,436	1,534	1,596	1,747	1,808	1,805	2,006	2,079
Agricultural sciences	35	49	56	36	37	45	39	38	43
Biological sciences	50	77	69	68	73	92	88	107	112
Computer sciences	214	234	229	262	325	345	365	517	497
Earth, atmospheric, and ocean sciences	8	6	7	10	2	11	12	9	10
Mathematics	58	74	75	65	46	65	49	49	63
Physical sciences	78	53	67	71	63	71	56	61	53
Astronomy	2	0	1	0	0	0	2	0	1
Chemistry	41	30	39	42	25	40	27	36	33
Physics	30	20	26	24	35	28	25	23	17
Other physical sciences	5	3	1	5	3	3	2	2	2
Psychology	204	223	245	254	311	301	343	344	357
Social sciences	780	720	786	830	890	878	853	881	944
Engineering	464	464	449	470	451	454	473	546	569
Chemical engineering	18	17	12	24	19	15	19	23	17
Civil engineering	71	74	69	82	59	61	63	53	47
Electrical engineering	176	144	121	145	143	139	139	181	180
Mechanical engineering	71	68	89	68	72	63	54	60	66
Other engineering	128	161	158	151	158	176	198	229	259
Non-science and engineering	5,745	6,098	6,461	7,041	8,111	8,139	8,235	8,716	9,938
Education	1,918	2,063	2,233	2,423	2,815	2,735	2,829	2,938	3,237
Health	230	245	253	350	383	381	420	443	465
Humanities	478	470	419	494	539	495	512	497	538
Professional/other/unknown	3,119	3,320	3,556	3,774	4,374	4,528	4,474	4,838	5,698
HBCU, all fields	973	1,092	1,164	1,259	1,310	1,181	1,167	1,159	1,354
Science and engineering	278	328	318	334	305	314	309	294	343
Science	245	284	281	286	264	294	278	257	294
Agricultural sciences	13	22	31	18	12	21	11	16	20
Biological sciences	12	22	20	20	23	28	19	17	25
Computer sciences	36	45	42	58	58	47	53	53	42
Earth, atmospheric, and ocean sciences	0	0	0	0	0	3	4	2	0
Mathematics	20	24	19	14	15	20	15	10	16
Physical sciences	24	22	21	22	14	19	16	10	13
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	12	10	10	10	1	9	6	4	6
Physics	12	12	11	12	12	10	10	6	7
Other physical sciences	0	0	0	0	1	0	0	0	0
Psychology	30	37	36	32	29	42	51	52	45
Social sciences	110	112	112	122	113	114	109	97	133
Engineering	33	44	37	48	41	20	31	37	49
Chemical engineering	0	1	0	0	1	0	2	0	4
Civil engineering	1	8	7	6	9	4	6	3	4
Electrical engineering	15	23	7	14	12	4	10	13	17
Mechanical engineering	8	4	14	13	14	2	7	4	12
Other engineering	9	8	9	15	5	10	6	17	12
Non-science and engineering	695	764	846	925	1,005	867	858	865	1,011
Education	384	419	509	523	573	502	467	468	508
Health	13	12	19	33	33	28	38	43	45
Humanities	23	29	35	44	33	23	34	29	49
Professional/other/unknown	275	304	283	325	366	314	319	325	409

TABLE 17. Master's degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	12.7	13.7	13.8	13.8	12.7	11.4	11.1	10.3	10.8
Science and engineering	14.7	17.3	16.0	16.2	13.9	13.9	13.6	11.5	13.0
Science	17.2	19.8	18.3	17.9	15.1	16.3	15.4	12.8	14.1
Agricultural sciences	37.1	44.9	55.4	50.0	32.4	46.7	28.2	42.1	46.5
Biological sciences	24.0	28.6	29.0	29.4	31.5	30.4	21.6	15.9	22.3
Computer sciences	16.8	19.2	18.3	22.1	17.8	13.6	14.5	10.3	8.5
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	0.0	27.3	33.3	22.2	0.0
Mathematics	34.5	32.4	25.3	21.5	32.6	30.8	30.6	20.4	25.4
Physical sciences	30.8	41.5	31.3	31.0	22.2	26.8	28.6	16.4	24.5
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	29.3	33.3	25.6	23.8	4.0	22.5	22.2	11.1	18.2
Physics	40.0	60.0	42.3	50.0	34.3	35.7	40.0	26.1	41.2
Other physical sciences	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
Psychology	14.7	16.6	14.7	12.6	9.3	14.0	14.9	15.1	12.6
Social sciences	14.1	15.6	14.2	14.7	12.7	13.0	12.8	11.0	14.1
Engineering	7.1	9.5	8.2	10.2	9.1	4.4	6.6	6.8	8.6
Chemical engineering	0.0	5.9	0.0	0.0	5.3	0.0	10.5	0.0	23.5
Civil engineering	1.4	10.8	10.1	7.3	15.3	6.6	9.5	5.7	8.5
Electrical engineering	8.5	16.0	5.8	9.7	8.4	2.9	7.2	7.2	9.4
Mechanical engineering	11.3	5.9	15.7	19.1	19.4	3.2	13.0	6.7	18.2
Other engineering	7.0	5.0	5.7	9.9	3.2	5.7	3.0	7.4	4.6
Non-science and engineering	12.1	12.5	13.1	13.1	12.4	10.7	10.4	9.9	10.2
Education	20.0	20.3	22.8	21.6	20.4	18.4	16.5	15.9	15.7
Health	5.7	4.9	7.5	9.4	8.6	7.3	9.0	9.7	9.7
Humanities	4.8	6.2	8.4	8.9	6.1	4.6	6.6	5.8	9.1
Professional/other/unknown	8.8	9.2	8.0	8.6	8.4	6.9	7.1	6.7	7.2

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	15,318	16,590	18,504	19,509	22,996	24,658	26,011	28,314	31,789
Science and engineering	2,319	2,520	2,887	2,828	3,294	3,855	3,855	4,243	4,807
Science	2,118	2,310	2,662	2,584	3,087	3,609	3,590	3,962	4,523
Agricultural sciences	39	39	40	59	47	51	49	65	59
Biological sciences	113	122	167	122	150	221	200	186	269
Computer sciences	159	201	182	162	255	309	294	364	405
Earth, atmospheric, and ocean sciences	7	5	5	5	5	10	6	9	12
Mathematics	82	71	79	77	52	48	64	49	52
Physical sciences	54	52	65	60	54	59	65	52	67
Astronomy	2	1	1	0	0	0	0	1	0
Chemistry	36	35	45	37	40	42	47	40	54
Physics	11	12	13	10	9	13	12	9	10
Other physical sciences	5	4	6	13	5	4	6	2	3
Psychology	598	647	814	766	1,035	1,297	1,288	1,457	1,566
Social sciences	1,066	1,173	1,310	1,333	1,489	1,614	1,624	1,780	2,093
Engineering	201	210	225	244	207	246	265	281	284
Chemical engineering	10	16	23	19	15	19	12	20	14
Civil engineering	34	42	40	45	34	41	38	43	29
Electrical engineering	52	48	47	53	40	49	50	45	58
Mechanical engineering	20	17	21	28	19	26	17	19	19
Other engineering	85	87	94	99	99	111	148	154	164
Non-science and engineering	12,999	14,070	15,617	16,681	19,702	20,803	22,156	24,071	26,982
Education	6,332	6,596	7,487	7,978	9,277	9,249	9,901	10,769	11,931
Health	1,114	1,332	1,371	1,698	1,775	2,122	2,187	2,326	2,572
Humanities	550	558	582	617	648	691	678	789	752
Professional/other/unknown	5,003	5,584	6,177	6,388	8,002	8,741	9,390	10,187	11,727
HBCU, all fields	2,505	2,726	3,054	3,152	3,421	3,405	3,307	3,397	3,705
Science and engineering	448	454	550	528	502	684	663	681	704
Science	427	436	523	491	482	650	633	646	671
Agricultural sciences	20	16	20	34	21	21	21	20	18
Biological sciences	36	38	56	43	52	74	54	47	63
Computer sciences	58	47	46	37	49	60	62	56	40
Earth, atmospheric, and ocean sciences	1	2	0	0	0	1	1	1	0
Mathematics	24	24	26	32	15	17	19	14	5
Physical sciences	16	14	30	20	18	19	16	22	19
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	10	9	23	16	9	12	12	14	16
Physics	6	5	7	4	7	7	4	8	3
Other physical sciences	0	0	0	0	2	0	0	0	0
Psychology	101	113	135	101	107	219	241	275	269
Social sciences	171	182	210	224	220	239	219	211	257
Engineering	21	18	27	37	20	34	30	35	33
Chemical engineering	1	0	0	0	0	3	3	3	3
Civil engineering	1	3	4	7	4	3	6	10	6
Electrical engineering	8	7	6	6	2	13	5	3	8
Mechanical engineering	1	5	4	6	1	2	4	4	7
Other engineering	10	3	13	18	13	13	12	15	9
Non-science and engineering	2,057	2,272	2,504	2,624	2,919	2,721	2,644	2,716	3,001
Education	1,278	1,336	1,598	1,673	1,817	1,613	1,496	1,606	1,715
Health	81	94	95	122	146	197	214	164	212
Humanities	39	55	50	61	50	43	54	61	46
Professional/other/unknown	659	787	761	768	906	868	880	885	1,028

TABLE 18. Master's degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
HBCU, all fields (%)	16.4	16.4	16.5	16.2	14.9	13.8	12.7	12.0	11.7
Science and engineering	19.3	18.0	19.1	18.7	15.2	17.7	17.2	16.0	14.6
Science	20.2	18.9	19.6	19.0	15.6	18.0	17.6	16.3	14.8
Agricultural sciences	51.3	41.0	50.0	57.6	44.7	41.2	42.9	30.8	30.5
Biological sciences	31.9	31.1	33.5	35.2	34.7	33.5	27.0	25.3	23.4
Computer sciences	36.5	23.4	25.3	22.8	19.2	19.4	21.1	15.4	9.9
Earth, atmospheric, and ocean sciences	14.3	40.0	0.0	0.0	0.0	10.0	16.7	11.1	0.0
Mathematics	29.3	33.8	32.9	41.6	28.8	35.4	29.7	28.6	9.6
Physical sciences	29.6	26.9	46.2	33.3	33.3	32.2	24.6	42.3	28.4
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	27.8	25.7	51.1	43.2	22.5	28.6	25.5	35.0	29.6
Physics	54.5	41.7	53.8	40.0	77.8	53.8	33.3	88.9	30.0
Other physical sciences	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0
Psychology	16.9	17.5	16.6	13.2	10.3	16.9	18.7	18.9	17.2
Social sciences	16.0	15.5	16.0	16.8	14.8	14.8	13.5	11.9	12.3
Engineering	10.4	8.6	12.0	15.2	9.7	13.8	11.3	12.5	11.6
Chemical engineering	10.0	0.0	0.0	0.0	0.0	15.8	25.0	15.0	21.4
Civil engineering	2.9	7.1	10.0	15.6	11.8	7.3	15.8	23.3	20.7
Electrical engineering	15.4	14.6	12.8	11.3	5.0	26.5	10.0	6.7	13.8
Mechanical engineering	5.0	29.4	19.0	21.4	5.3	7.7	23.5	21.1	36.8
Other engineering	11.8	3.4	13.8	18.2	13.1	11.7	8.1	9.7	5.5
Non-science and engineering	15.8	16.1	16.0	15.7	14.8	13.1	11.9	11.3	11.1
Education	20.2	20.3	21.3	21.0	19.6	17.4	15.1	14.9	14.4
Health	7.3	7.1	6.9	7.2	8.2	9.3	9.8	7.1	8.2
Humanities	7.1	9.9	8.6	9.9	7.7	6.2	8.0	7.7	6.1
Professional/other/unknown	13.2	14.1	12.3	12.0	11.3	9.9	9.4	8.7	8.8

HBCU = 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 are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	1,461	1,446	1,474	1,604	1,763	1,748	1,732	1,750	1,799	1,971
Science and engineering	550	572	615	644	715	710	703	685	664	746
Science	480	498	517	563	617	629	611	600	587	652
Agricultural sciences	19	26	26	22	27	22	14	13	22	20
Biological sciences	107	98	112	111	116	118	139	124	108	148
Computer sciences	11	12	4	14	19	18	15	17	17	17
Earth, atmospheric, and ocean sciences	1	2	6	5	11	3	5	5	11	7
Mathematics	5	8	7	16	12	14	19	14	16	10
Physical sciences	42	59	51	56	66	62	55	67	57	59
Astronomy	1	0	2	1	2	1	1	1	1	0
Chemistry	33	45	35	45	56	44	42	44	42	46
Physics	8	14	14	10	8	16	12	22	12	13
Other physical sciences	0	0	0	0	0	1	0	0	2	0
Psychology	149	152	152	158	172	189	174	171	169	204
Social sciences	146	141	159	181	194	203	190	189	187	187
Engineering	70	74	98	81	98	81	92	85	77	94
Chemical engineering	3	12	16	3	11	8	17	12	9	10
Civil engineering	11	8	10	9	6	6	11	13	9	7
Electrical engineering	24	22	31	23	30	21	22	16	21	33
Mechanical engineering	13	10	12	13	12	18	17	17	9	18
Other engineering	19	22	29	33	39	28	25	27	29	26
Non-science and engineering	911	874	859	960	1,048	1,038	1,029	1,065	1,135	1,225
Education	623	607	553	655	689	693	670	692	758	787
Health	60	48	55	65	57	75	64	72	79	107
Humanities	115	116	141	139	164	158	168	160	154	169
Professional/other/unknown	113	103	110	101	138	112	127	141	144	162
HBCU, all fields	137	141	115	156	160	156	185	161	184	212
Science and engineering	59	66	61	67	70	66	74	72	78	93
Science	58	62	60	62	66	64	69	65	70	77
Agricultural sciences	1	3	3	3	5	2	2	1	4	3
Biological sciences	18	18	19	24	22	17	24	16	20	27
Computer sciences	0	1	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	0	0	0	0	0	0	0	0	0
Mathematics	0	0	2	2	0	1	2	2	1	0
Physical sciences	9	3	8	4	7	12	9	7	9	6
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	5	3	3	2	5	6	3	3	5	4
Physics	4	0	5	2	2	6	6	4	3	2
Other physical sciences	0	0	0	0	0	0	0	0	1	0
Psychology	18	12	13	12	15	14	14	19	14	25
Social sciences	11	25	15	17	17	18	18	20	22	16
Engineering	1	4	1	5	4	2	5	7	8	16
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	0	0	1	0	0
Electrical engineering	1	2	1	4	4	2	2	4	5	7
Mechanical engineering	0	1	0	1	0	0	3	2	1	6
Other engineering	0	1	0	0	0	0	0	0	2	3
Non-science and engineering	78	75	54	89	90	90	111	89	106	119
Education	54	60	37	67	68	74	81	63	77	76
Health	2	1	5	5	3	1	1	4	6	12
Humanities	6	3	4	5	9	7	7	6	5	12
Professional/other/unknown	16	11	8	12	10	8	22	16	18	19

TABLE 19. Doctoral degrees awarded to blacks by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
HBCU, all fields (%)	9.4	9.8	7.8	9.7	9.1	8.9	10.7	9.2	10.2	10.8
Science and engineering	10.7	11.5	9.9	10.4	9.8	9.3	10.5	10.5	11.7	12.5
Science	12.1	12.4	11.6	11.0	10.7	10.2	11.3	10.8	11.9	11.8
Agricultural sciences	5.3	11.5	11.5	13.6	18.5	9.1	14.3	7.7	18.2	15.0
Biological sciences	16.8	18.4	17.0	21.6	19.0	14.4	17.3	12.9	18.5	18.2
Computer sciences	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mathematics	0.0	0.0	28.6	12.5	0.0	7.1	10.5	14.3	6.3	0.0
Physical sciences	21.4	5.1	15.7	7.1	10.6	19.4	16.4	10.4	15.8	10.2
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	15.2	6.7	8.6	4.4	8.9	13.6	7.1	6.8	11.9	8.7
Physics	50.0	0.0	35.7	20.0	25.0	37.5	50.0	18.2	25.0	15.4
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0
Psychology	12.1	7.9	8.6	7.6	8.7	7.4	8.0	11.1	8.3	12.3
Social sciences	7.5	17.7	9.4	9.4	8.8	8.9	9.5	10.6	11.8	8.6
Engineering	1.4	5.4	1.0	6.2	4.1	2.5	5.4	8.2	10.4	17.0
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	7.7	0.0	0.0
Electrical engineering	4.2	9.1	3.2	17.4	13.3	9.5	9.1	25.0	23.8	21.2
Mechanical engineering	0.0	10.0	0.0	7.7	0.0	0.0	17.6	11.8	11.1	33.3
Other engineering	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	6.9	11.5
Non-science and engineering	8.6	8.6	6.3	9.3	8.6	8.7	10.8	8.4	9.3	9.7
Education	8.7	9.9	6.7	10.2	9.9	10.7	12.1	9.1	10.2	9.7
Health	3.3	2.1	9.1	7.7	5.3	1.3	1.6	5.6	7.6	11.2
Humanities	5.2	2.6	2.8	3.6	5.5	4.4	4.2	3.8	3.2	7.1
Professional/other/unknown	14.2	10.7	7.3	11.9	7.2	7.1	17.3	11.3	12.5	11.7

HBCU = historically black colleges and universities.

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	612	638	636	610	700	642	676	673	653	714
Science and engineering	287	321	329	293	347	319	328	315	286	327
Science	232	266	254	234	273	262	261	258	228	266
Agricultural sciences	13	25	20	17	18	11	8	8	14	9
Biological sciences	64	58	52	41	50	44	55	57	44	59
Computer sciences	7	9	3	6	9	13	5	10	12	12
Earth, atmospheric, and ocean sciences	1	1	5	4	7	2	3	5	6	6
Mathematics	4	6	5	9	6	7	12	6	11	7
Physical sciences	24	46	40	25	37	41	35	39	36	34
Astronomy	1	0	1	1	0	0	1	0	1	0
Chemistry	16	35	26	17	33	25	23	22	28	26
Physics	7	11	13	7	4	15	11	17	7	8
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	39	38	41	43	37	45	50	42	43	50
Social sciences	80	83	88	89	109	99	93	91	62	89
Engineering	55	55	75	59	74	57	67	57	58	61
Chemical engineering	2	7	10	2	7	3	7	6	6	3
Civil engineering	8	7	10	7	4	5	11	9	7	4
Electrical engineering	20	17	27	19	25	19	21	12	17	24
Mechanical engineering	12	7	11	13	11	13	16	13	8	15
Other engineering	13	17	17	18	27	17	12	17	20	15
Non-science and engineering	325	317	307	317	353	323	348	358	367	387
Education	203	202	171	192	202	186	210	210	233	233
Health	18	13	15	14	12	14	12	16	17	26
Humanities	54	53	68	67	70	70	65	73	61	71
Professional/other/unknown	50	49	53	44	69	53	61	59	56	57
HBCU, all fields	56	68	51	57	64	54	85	60	55	80
Science and engineering	32	40	33	34	39	31	43	31	34	42
Science	31	37	32	29	35	30	38	24	29	32
Agricultural sciences	1	3	1	2	3	0	2	1	3	1
Biological sciences	10	11	7	9	11	4	8	5	5	9
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	0	0	0	0	0	0	0	0	0
Mathematics	0	0	0	2	0	0	2	0	1	0
Physical sciences	5	3	8	3	5	11	7	3	2	6
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	2	3	3	1	5	5	2	1	2	4
Physics	3	0	5	2	0	6	5	2	0	2
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	6	4	5	3	4	3	5	4	6	7
Social sciences	8	16	11	10	12	12	14	11	12	9
Engineering	1	3	1	5	4	1	5	7	5	10
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	0	0	1	0	0
Electrical engineering	1	2	1	4	4	1	2	4	3	3
Mechanical engineering	0	1	0	1	0	0	3	2	1	6
Other engineering	0	0	0	0	0	0	0	0	1	1
Non-science and engineering	24	28	18	23	25	23	42	29	21	38
Education	17	20	11	19	17	18	31	22	15	26
Health	1	0	0	1	0	1	0	0	0	1
Humanities	2	1	3	1	3	2	3	3	2	5
Professional/other/unknown	4	7	4	2	5	2	8	4	4	6

TABLE 20. Doctoral degrees awarded to black men by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
HBCU, all fields (%)	9.2	10.7	8.0	9.3	9.1	8.4	12.6	8.9	8.4	11.2
Science and engineering	11.1	12.5	10.0	11.6	11.2	9.7	13.1	9.8	11.9	12.8
Science	13.4	13.9	12.6	12.4	12.8	11.5	14.6	9.3	12.7	12.0
Agricultural sciences	7.7	12.0	5.0	11.8	16.7	0.0	25.0	12.5	21.4	11.1
Biological sciences	15.6	19.0	13.5	22.0	22.0	9.1	14.5	8.8	11.4	15.3
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	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mathematics	0.0	0.0	0.0	22.2	0.0	0.0	16.7	0.0	9.1	0.0
Physical sciences	20.8	6.5	20.0	12.0	13.5	26.8	20.0	7.7	5.6	17.6
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	12.5	8.6	11.5	5.9	15.2	20.0	8.7	4.5	7.1	15.4
Physics	42.9	0.0	38.5	28.6	0.0	40.0	45.5	11.8	0.0	25.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	15.4	10.5	12.2	7.0	10.8	6.7	10.0	9.5	14.0	14.0
Social sciences	10.0	19.3	12.5	11.2	11.0	12.1	15.1	12.1	19.4	10.1
Engineering	1.8	5.5	1.3	8.5	5.4	1.8	7.5	12.3	8.6	16.4
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	11.1	0.0	0.0
Electrical engineering	5.0	11.8	3.7	21.1	16.0	5.3	9.5	33.3	17.6	12.5
Mechanical engineering	0.0	14.3	0.0	7.7	0.0	0.0	18.8	15.4	12.5	40.0
Other engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.7
Non-science and engineering	7.4	8.8	5.9	7.3	7.1	7.1	12.1	8.1	5.7	9.8
Education	8.4	9.9	6.4	9.9	8.4	9.7	14.8	10.5	6.4	11.2
Health	5.6	0.0	0.0	7.1	0.0	7.1	0.0	0.0	0.0	3.8
Humanities	3.7	1.9	4.4	1.5	4.3	2.9	4.6	4.1	3.3	7.0
Professional/other/unknown	8.0	14.3	7.5	4.5	7.2	3.8	13.1	6.8	7.1	10.5

HBCU = historically black colleges and universities.

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	849	808	838	993	1,063	1,106	1,056	1,077	1,144	1,257
Science and engineering	263	251	286	351	368	391	375	370	378	419
Science	248	232	263	329	344	367	350	342	359	386
Agricultural sciences	6	1	6	5	9	11	6	5	8	11
Biological sciences	43	40	60	70	66	74	84	67	64	89
Computer sciences	4	3	1	8	10	5	10	7	5	5
Earth, atmospheric, and ocean sciences	0	1	1	1	4	1	2	0	5	1
Mathematics	1	2	2	7	6	7	7	8	5	3
Physical sciences	18	13	11	31	29	21	20	28	21	25
Astronomy	0	0	1	0	2	1	0	1	0	0
Chemistry	17	10	9	28	23	19	19	22	14	20
Physics	1	3	1	3	4	1	1	5	5	5
Other physical sciences	0	0	0	0	0	0	0	0	2	0
Psychology	110	114	111	115	135	144	124	129	126	154
Social sciences	66	58	71	92	85	104	97	98	125	98
Engineering	15	19	23	22	24	24	25	28	19	33
Chemical engineering	1	5	6	1	4	5	10	6	3	7
Civil engineering	3	1	0	2	2	1	0	4	2	3
Electrical engineering	4	5	4	4	5	2	1	4	4	9
Mechanical engineering	1	3	1	0	1	5	1	4	1	3
Other engineering	6	5	12	15	12	11	13	10	9	11
Non-science and engineering	586	557	552	642	695	715	681	707	766	838
Education	420	405	382	462	487	507	460	482	523	554
Health	42	35	40	51	45	61	52	56	62	81
Humanities	61	63	73	72	94	88	103	87	93	98
Professional/other/unknown	63	54	57	57	69	59	66	82	88	105
HBCU, all fields	81	73	64	99	96	102	100	101	129	132
Science and engineering	27	26	28	33	31	35	31	41	44	51
Science	27	25	28	33	31	34	31	41	41	45
Agricultural sciences	0	0	2	1	2	2	0	0	1	2
Biological sciences	8	7	12	15	11	13	16	11	15	18
Computer sciences	0	1	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	0	2	0	0	1	0	2	0	0
Physical sciences	4	0	0	1	2	1	2	4	7	0
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	3	0	0	1	0	1	1	2	3	0
Physics	1	0	0	0	2	0	1	2	3	0
Other physical sciences	0	0	0	0	0	0	0	0	1	0
Psychology	12	8	8	9	11	11	9	15	8	18
Social sciences	3	9	4	7	5	6	4	9	10	7
Engineering	0	1	0	0	0	1	0	0	3	6
Chemical engineering	0	0	0	0	0	0	0	0	0	0
Civil engineering	0	0	0	0	0	0	0	0	0	0
Electrical engineering	0	0	0	0	0	1	0	0	2	4
Mechanical engineering	0	0	0	0	0	0	0	0	0	0
Other engineering	0	1	0	0	0	0	0	0	1	2
Non-science and engineering	54	47	36	66	65	67	69	60	85	81
Education	37	40	26	48	51	56	50	41	62	50
Health	1	1	5	4	3	0	1	4	6	11
Humanities	4	2	1	4	6	5	4	3	3	7
Professional/other/unknown	12	4	4	10	5	6	14	12	14	13

TABLE 21. Doctoral degrees awarded to black women by all institutions and by historically black colleges and universities, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
HBCU, all fields (%)	9.5	9.0	7.6	10.0	9.0	9.2	9.5	9.4	11.3	10.5
Science and engineering	10.3	10.4	9.8	9.4	8.4	9.0	8.3	11.1	11.6	12.2
Science	10.9	10.8	10.6	10.0	9.0	9.3	8.9	12.0	11.4	11.7
Agricultural sciences	0.0	0.0	33.3	20.0	22.2	18.2	0.0	0.0	12.5	18.2
Biological sciences	18.6	17.5	20.0	21.4	16.7	17.6	19.0	16.4	23.4	20.2
Computer sciences	0.0	33.3	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	0.0	100.0	0.0	0.0	14.3	0.0	25.0	0.0	0.0
Physical sciences	22.2	0.0	0.0	3.2	6.9	4.8	10.0	14.3	33.3	0.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	17.6	0.0	0.0	3.6	0.0	5.3	5.3	9.1	21.4	0.0
Physics	100.0	0.0	0.0	0.0	50.0	0.0	100.0	40.0	60.0	0.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0
Psychology	10.9	7.0	7.2	7.8	8.1	7.6	7.3	11.6	6.3	11.7
Social sciences	4.5	15.5	5.6	7.6	5.9	5.8	4.1	9.2	8.0	7.1
Engineering	0.0	5.3	0.0	0.0	0.0	4.2	0.0	0.0	15.8	18.2
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	0.0
Electrical engineering	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	44.4
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	20.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	18.2
Non-science and engineering	9.2	8.4	6.5	10.3	9.4	9.4	10.1	8.5	11.1	9.7
Education	8.8	9.9	6.8	10.4	10.5	11.0	10.9	8.5	11.9	9.0
Health	2.4	2.9	12.5	7.8	6.7	0.0	1.9	7.1	9.7	13.6
Humanities	6.6	3.2	1.4	5.6	6.4	5.7	3.9	3.4	3.2	7.1
Professional/other/unknown	19.0	7.4	7.0	17.5	7.2	10.2	21.2	14.6	15.9	12.4

HBCU = historically black colleges and universities.

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	66,691	71,015	74,938	78,125	88,324	89,972	95,104	100,352	105,165
Science and engineering	21,359	22,886	24,445	25,712	27,984	28,321	29,871	32,115	33,290
Science	17,708	19,155	20,320	21,587	23,909	24,305	25,735	27,758	28,820
Agricultural sciences	383	504	559	631	634	607	662	686	673
Biological sciences	3,101	3,531	3,795	4,283	4,446	4,547	4,367	4,624	4,454
Computer sciences	1,314	1,284	1,327	1,473	2,155	2,354	2,714	3,445	3,535
Earth, atmospheric, and ocean sciences	84	105	113	118	127	157	136	119	131
Mathematics	522	556	560	604	599	625	672	669	676
Physical sciences	716	767	740	796	883	870	864	861	885
Astronomy	6	6	4	11	7	16	10	12	23
Chemistry	553	616	593	640	719	669	666	669	651
Physics	105	113	119	117	125	151	157	164	187
Other physical sciences	52	32	24	28	32	34	31	16	24
Psychology	4,543	5,036	5,282	5,509	6,127	6,178	6,692	6,807	7,252
Social sciences	7,045	7,372	7,944	8,173	8,938	8,967	9,628	10,547	11,214
Engineering	3,651	3,731	4,125	4,125	4,075	4,016	4,136	4,357	4,470
Chemical engineering	345	331	379	393	380	341	353	320	313
Civil engineering	693	738	874	920	762	742	761	798	836
Electrical engineering	1,101	1,052	1,123	1,070	1,283	1,302	1,411	1,428	1,551
Mechanical engineering	827	849	832	866	846	880	819	950	935
Other engineering	685	761	917	876	804	751	792	861	835
Non-science and engineering	45,332	48,129	50,493	52,413	60,340	61,651	65,233	68,237	71,875
Education	6,981	7,540	7,744	8,023	9,473	9,224	9,505	9,923	10,308
Health	2,857	3,246	3,474	3,731	4,003	4,044	4,170	4,404	4,629
Humanities	7,582	8,181	8,285	9,193	10,065	10,426	11,069	11,857	12,232
Professional/other/unknown	27,912	29,162	30,990	31,466	36,799	37,957	40,489	42,053	44,706
Institutions in Puerto Rico, all fields	13,792	14,106	14,093	13,905	16,147	15,738	16,451	16,677	17,334
Science and engineering	3,535	3,658	3,857	3,870	4,198	4,234	4,255	4,544	4,188
Science	2,547	2,743	2,732	2,899	3,229	3,234	3,208	3,461	3,121
Agricultural sciences	52	68	91	117	118	126	151	134	131
Biological sciences	820	973	1,021	1,159	1,226	1,324	1,237	1,197	942
Computer sciences	257	263	202	248	282	241	282	467	461
Earth, atmospheric, and ocean sciences	2	4	12	12	13	17	10	6	19
Mathematics	31	43	27	20	34	20	27	34	32
Physical sciences	309	320	291	302	368	321	319	283	279
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	288	290	272	285	342	286	301	267	255
Physics	13	21	17	16	20	29	14	15	22
Other physical sciences	8	9	2	1	6	6	4	1	2
Psychology	500	506	480	464	587	606	634	670	681
Social sciences	576	566	608	577	601	579	548	670	576
Engineering	988	915	1,125	971	969	1,000	1,047	1,083	1,067
Chemical engineering	132	106	131	133	115	88	102	113	90
Civil engineering	203	212	254	225	210	270	259	286	271
Electrical engineering	305	228	279	223	257	282	359	331	380
Mechanical engineering	216	210	225	206	214	215	164	209	179
Other engineering	132	159	236	184	173	145	163	144	147
Non-science and engineering	10,257	10,448	10,236	10,035	11,949	11,504	12,196	12,133	13,146
Education	2,238	2,297	2,323	2,259	2,775	2,640	2,722	2,939	3,268
Health	615	734	723	869	1,003	938	964	1,012	1,045
Humanities	364	354	359	338	387	400	432	507	470
Professional/other/unknown	7,040	7,063	6,831	6,569	7,784	7,526	8,078	7,675	8,363

TABLE 22. Bachelor's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	20.7	19.9	18.8	17.8	18.3	17.5	17.3	16.6	16.5
Science and engineering	16.6	16.0	15.8	15.1	15.0	15.0	14.2	14.1	12.6
Science	14.4	14.3	13.4	13.4	13.5	13.3	12.5	12.5	10.8
Agricultural sciences	13.6	13.5	16.3	18.5	18.6	20.8	22.8	19.5	19.5
Biological sciences	26.4	27.6	26.9	27.1	27.6	29.1	28.3	25.9	21.1
Computer sciences	19.6	20.5	15.2	16.8	13.1	10.2	10.4	13.6	13.0
Earth, atmospheric, and ocean sciences	2.4	3.8	10.6	10.2	10.2	10.8	7.4	5.0	14.5
Mathematics	5.9	7.7	4.8	3.3	5.7	3.2	4.0	5.1	4.7
Physical sciences	43.2	41.7	39.3	37.9	41.7	36.9	36.9	32.9	31.5
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	52.1	47.1	45.9	44.5	47.6	42.8	45.2	39.9	39.2
Physics	12.4	18.6	14.3	13.7	16.0	19.2	8.9	9.1	11.8
Other physical sciences	15.4	28.1	8.3	3.6	18.8	17.6	12.9	6.3	8.3
Psychology	11.0	10.0	9.1	8.4	9.6	9.8	9.5	9.8	9.4
Social sciences	8.2	7.7	7.7	7.1	6.7	6.5	5.7	6.4	5.1
Engineering	27.1	24.5	27.3	23.5	23.8	24.9	25.3	24.9	23.9
Chemical engineering	38.3	32.0	34.6	33.8	30.3	25.8	28.9	35.3	28.8
Civil engineering	29.3	28.7	29.1	24.5	27.6	36.4	34.0	35.8	32.4
Electrical engineering	27.7	21.7	24.8	20.8	20.0	21.7	25.4	23.2	24.5
Mechanical engineering	26.1	24.7	27.0	23.8	25.3	24.4	20.0	22.0	19.1
Other engineering	19.3	20.9	25.7	21.0	21.5	19.3	20.6	16.7	17.6
Non-science and engineering	22.6	21.7	20.3	19.1	19.8	18.7	18.7	17.8	18.3
Education	32.1	30.5	30.0	28.2	29.3	28.6	28.6	29.6	31.7
Health	21.5	22.6	20.8	23.3	25.1	23.2	23.1	23.0	22.6
Humanities	4.8	4.3	4.3	3.7	3.8	3.8	3.9	4.3	3.8
Professional/other/unknown	25.2	24.2	22.0	20.9	21.2	19.8	20.0	18.3	18.7

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	27,875	29,335	30,550	31,716	34,657	35,305	36,747	38,512	40,347
Science and engineering	10,469	10,999	11,500	11,968	12,524	12,741	13,121	14,145	14,606
Science	7,574	8,102	8,304	8,789	9,437	9,687	10,040	10,848	11,244
Agricultural sciences	227	282	295	318	315	297	305	300	294
Biological sciences	1,340	1,562	1,599	1,823	1,736	1,756	1,619	1,647	1,539
Computer sciences	880	827	890	961	1,460	1,628	1,878	2,342	2,526
Earth, atmospheric, and ocean sciences	49	66	59	62	74	74	84	68	69
Mathematics	305	332	326	318	326	330	340	372	368
Physical sciences	388	422	409	412	431	456	427	449	435
Astronomy	3	3	1	9	5	9	8	5	17
Chemistry	267	305	293	288	315	312	283	304	260
Physics	90	96	97	95	94	118	125	130	141
Other physical sciences	28	18	18	20	17	17	11	10	17
Psychology	1,166	1,326	1,285	1,382	1,428	1,396	1,562	1,486	1,592
Social sciences	3,219	3,285	3,441	3,513	3,667	3,750	3,825	4,184	4,421
Engineering	2,895	2,897	3,196	3,179	3,087	3,054	3,081	3,297	3,362
Chemical engineering	210	192	226	221	214	184	200	181	175
Civil engineering	534	579	661	708	564	544	544	569	603
Electrical engineering	948	868	944	904	1,085	1,096	1,164	1,184	1,258
Mechanical engineering	725	743	727	714	715	741	681	794	791
Other engineering	478	515	638	632	509	489	492	569	535
Non-science and engineering	17,406	18,336	19,050	19,748	22,133	22,564	23,626	24,367	25,741
Education	2,345	2,553	2,472	2,480	3,147	3,064	3,102	3,259	3,291
Health	549	636	711	793	713	752	755	793	847
Humanities	3,141	3,332	3,449	3,843	4,120	4,199	4,427	4,699	4,993
Professional/other/unknown	11,371	11,815	12,418	12,632	14,153	14,549	15,342	15,616	16,610
Institutions in Puerto Rico, all fields	4,864	4,966	4,948	4,770	5,522	5,455	5,639	5,692	5,984
Science and engineering	1,661	1,712	1,785	1,745	1,818	1,792	1,774	2,005	1,900
Science	918	1,051	994	1,047	1,134	1,097	1,084	1,238	1,139
Agricultural sciences	33	37	52	61	63	65	74	53	67
Biological sciences	265	323	331	385	394	386	368	345	269
Computer sciences	164	162	123	136	189	157	191	295	303
Earth, atmospheric, and ocean sciences	1	2	8	8	8	9	4	6	9
Mathematics	19	29	17	12	21	13	11	22	20
Physical sciences	130	141	126	115	124	114	105	95	0
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	114	118	110	101	106	91	93	83	68
Physics	10	17	15	13	16	19	11	11	12
Other physical sciences	6	6	1	1	2	4	1	1	2
Psychology	85	140	93	97	111	130	121	141	152
Social sciences	221	217	244	233	224	223	210	281	237
Engineering	743	661	791	698	684	695	690	767	761
Chemical engineering	65	50	67	68	52	29	40	49	37
Civil engineering	154	175	184	168	157	201	176	194	209
Electrical engineering	263	183	223	180	217	221	279	268	292
Mechanical engineering	191	183	191	174	180	179	128	179	152
Other engineering	70	70	126	108	78	65	67	77	71
Non-science and engineering	3,203	3,254	3,163	3,025	3,704	3,663	3,865	3,687	4,084
Education	606	626	626	576	809	758	759	806	871
Health	93	109	119	144	155	125	128	154	172
Humanities	143	146	162	169	157	165	199	214	230
Professional/other/unknown	2,361	2,373	2,256	2,136	2,583	2,615	2,779	2,513	2,811

TABLE 23. Bachelor's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	17.4	16.9	16.2	15.0	15.9	15.5	15.3	14.8	14.8
Science and engineering	15.9	15.6	15.5	14.6	14.5	14.1	13.5	14.2	13.0
Science	12.1	13.0	12.0	11.9	12.0	11.3	10.8	11.4	10.1
Agricultural sciences	14.5	13.1	17.6	19.2	20.0	21.9	24.3	17.7	22.8
Biological sciences	19.8	20.7	20.7	21.1	22.7	22.0	22.7	20.9	17.5
Computer sciences	18.6	19.6	13.8	14.2	12.9	9.6	10.2	12.6	12.0
Earth, atmospheric, and ocean sciences	2.0	3.0	13.6	12.9	10.8	12.2	4.8	8.8	13.0
Mathematics	6.2	8.7	5.2	3.8	6.4	3.9	3.2	5.9	5.4
Physical sciences	33.5	33.4	30.8	27.9	28.8	25.0	24.6	21.2	0.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	42.7	38.7	37.5	35.1	33.7	29.2	32.9	27.3	26.2
Physics	11.1	17.7	15.5	13.7	17.0	16.1	8.8	8.5	8.5
Other physical sciences	21.4	33.3	5.6	5.0	11.8	23.5	9.1	10.0	11.8
Psychology	7.3	10.6	7.2	7.0	7.8	9.3	7.7	9.5	9.5
Social sciences	6.9	6.6	7.1	6.6	6.1	5.9	5.5	6.7	5.4
Engineering	25.7	22.8	24.7	22.0	22.2	22.8	22.4	23.3	22.6
Chemical engineering	31.0	26.0	29.6	30.8	24.3	15.8	20.0	27.1	21.1
Civil engineering	28.8	30.2	27.8	23.7	27.8	36.9	32.4	34.1	34.7
Electrical engineering	27.7	21.1	23.6	19.9	20.0	20.2	24.0	22.6	23.2
Mechanical engineering	26.3	24.6	26.3	24.4	25.2	24.2	18.8	22.5	19.2
Other engineering	14.6	13.6	19.7	17.1	15.3	13.3	13.6	13.5	13.3
Non-science and engineering	18.4	17.7	16.6	15.3	16.7	16.2	16.4	15.1	15.9
Education	25.8	24.5	25.3	23.2	25.7	24.7	24.5	24.7	26.5
Health	16.9	17.1	16.7	18.2	21.7	16.6	17.0	19.4	20.3
Humanities	4.6	4.4	4.7	4.4	3.8	3.9	4.5	4.6	4.6
Professional/other/unknown	20.8	20.1	18.2	16.9	18.3	18.0	18.1	16.1	16.9

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	38,816	41,680	44,388	46,409	53,667	54,667	58,357	61,840	64,818
Science and engineering	10,890	11,887	12,945	13,744	15,460	15,580	16,750	17,970	18,684
Science	10,134	11,053	12,016	12,798	14,472	14,618	15,695	16,910	17,576
Agricultural sciences	156	222	264	313	319	310	357	386	379
Biological sciences	1,761	1,969	2,196	2,460	2,710	2,791	2,748	2,977	2,915
Computer sciences	434	457	437	512	695	726	836	1,103	1,009
Earth, atmospheric, and ocean sciences	35	39	54	56	53	83	52	51	62
Mathematics	217	224	234	286	273	295	332	297	308
Physical sciences	328	345	331	384	452	414	437	412	450
Astronomy	3	3	3	2	2	7	2	7	6
Chemistry	286	311	300	352	404	357	383	365	391
Physics	15	17	22	22	31	33	32	34	46
Other physical sciences	24	14	6	8	15	17	20	6	7
Psychology	3,377	3,710	3,997	4,127	4,699	4,782	5,130	5,321	5,660
Social sciences	3,826	4,087	4,503	4,660	5,271	5,217	5,803	6,363	6,793
Engineering	756	834	929	946	988	962	1,055	1,060	1,108
Chemical engineering	135	139	153	172	166	157	153	139	138
Civil engineering	159	159	213	212	198	198	217	229	233
Electrical engineering	153	184	179	166	198	206	247	244	293
Mechanical engineering	102	106	105	152	131	139	138	156	144
Other engineering	207	246	279	244	295	262	300	292	300
Non-science and engineering	27,926	29,793	31,443	32,665	38,207	39,087	41,607	43,870	46,134
Education	4,636	4,987	5,272	5,543	6,326	6,160	6,403	6,664	7,017
Health	2,308	2,610	2,763	2,938	3,290	3,292	3,415	3,611	3,782
Humanities	4,441	4,849	4,836	5,350	5,945	6,227	6,642	7,158	7,239
Professional/other/unknown	16,541	17,347	18,572	18,834	22,646	23,408	25,147	26,437	28,096
Institutions in Puerto Rico, all fields	8,928	9,140	9,145	9,135	10,625	10,283	10,812	10,985	11,350
Science and engineering	1,874	1,946	2,072	2,125	2,380	2,442	2,481	2,539	2,288
Science	1,629	1,692	1,738	1,852	2,095	2,137	2,124	2,223	1,982
Agricultural sciences	19	31	39	56	55	61	77	81	64
Biological sciences	555	650	690	774	832	938	869	852	673
Computer sciences	93	101	79	112	93	84	91	172	158
Earth, atmospheric, and ocean sciences	1	2	4	4	5	8	6	0	10
Mathematics	12	14	10	8	13	7	16	12	12
Physical sciences	179	179	165	187	244	207	214	188	0
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	174	172	162	184	236	195	208	184	187
Physics	3	4	2	3	4	10	3	4	10
Other physical sciences	2	3	1	0	4	2	3	0	0
Psychology	415	366	387	367	476	476	513	529	529
Social sciences	355	349	364	344	377	356	338	389	339
Engineering	245	254	334	273	285	305	357	316	306
Chemical engineering	67	56	64	65	63	59	62	64	53
Civil engineering	49	37	70	57	53	69	83	92	62
Electrical engineering	42	45	56	43	40	61	80	63	88
Mechanical engineering	25	27	34	32	34	36	36	30	27
Other engineering	62	89	110	76	95	80	96	67	76
Non-science and engineering	7,054	7,194	7,073	7,010	8,245	7,841	8,331	8,446	9,062
Education	1,632	1,671	1,697	1,683	1,966	1,882	1,963	2,133	2,397
Health	522	625	604	725	848	813	836	858	873
Humanities	221	208	197	169	230	235	233	293	240
Professional/other/unknown	4,679	4,690	4,575	4,433	5,201	4,911	5,299	5,162	5,552

TABLE 24. Bachelor's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	23.0	21.9	20.6	19.7	19.8	18.8	18.5	17.8	17.5
Science and engineering	17.2	16.4	16.0	15.5	15.4	15.7	14.8	14.1	12.2
Science	16.1	15.3	14.5	14.5	14.5	14.6	13.5	13.1	11.3
Agricultural sciences	12.2	14.0	14.8	17.9	17.2	19.7	21.6	21.0	16.9
Biological sciences	31.5	33.0	31.4	31.5	30.7	33.6	31.6	28.6	23.1
Computer sciences	21.4	22.1	18.1	21.9	13.4	11.6	10.9	15.6	15.7
Earth, atmospheric, and ocean sciences	2.9	5.1	7.4	7.1	9.4	9.6	11.5	0.0	16.1
Mathematics	5.5	6.3	4.3	2.8	4.8	2.4	4.8	4.0	3.9
Physical sciences	54.6	51.9	49.8	48.7	54.0	50.0	49.0	45.6	0.0
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	60.8	55.3	54.0	52.3	58.4	54.6	54.3	50.4	47.8
Physics	20.0	23.5	9.1	13.6	12.9	30.3	9.4	11.8	21.7
Other physical sciences	8.3	21.4	16.7	0.0	26.7	11.8	15.0	0.0	0.0
Psychology	12.3	9.9	9.7	8.9	10.1	10.0	10.0	9.9	9.3
Social sciences	9.3	8.5	8.1	7.4	7.2	6.8	5.8	6.1	5.0
Engineering	32.4	30.5	36.0	28.9	28.8	31.7	33.8	29.8	27.6
Chemical engineering	49.6	40.3	41.8	37.8	38.0	37.6	40.5	46.0	38.4
Civil engineering	30.8	23.3	32.9	26.9	26.8	34.8	38.2	40.2	26.6
Electrical engineering	27.5	24.5	31.3	25.9	20.2	29.6	32.4	25.8	30.0
Mechanical engineering	24.5	25.5	32.4	21.1	26.0	25.9	26.1	19.2	18.8
Other engineering	30.0	36.2	39.4	31.1	32.2	30.5	32.0	22.9	25.3
Non-science and engineering	25.3	24.1	22.5	21.5	21.6	20.1	20.0	19.3	19.6
Education	35.2	33.5	32.2	30.4	31.1	30.6	30.7	32.0	34.2
Health	22.6	23.9	21.9	24.7	25.8	24.7	24.5	23.8	23.1
Humanities	5.0	4.3	4.1	3.2	3.9	3.8	3.5	4.1	3.3
Professional/other/unknown	28.3	27.0	24.6	23.5	23.0	21.0	21.1	19.5	19.8

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	13,905	15,394	16,360	17,416	20,803	22,163	23,165	25,257	29,498
Science and engineering	2,945	3,090	3,220	3,462	3,746	4,077	4,089	4,376	5,073
Science	2,234	2,342	2,455	2,655	2,894	3,239	3,234	3,500	3,943
Agricultural sciences	96	95	105	116	133	123	175	132	171
Biological sciences	167	194	214	192	268	310	267	262	325
Computer sciences	210	188	211	219	288	440	333	555	602
Earth, atmospheric, and ocean sciences	34	27	23	20	30	28	35	28	36
Mathematics	72	88	63	85	100	72	82	108	113
Physical sciences	95	100	116	129	96	119	136	144	127
Astronomy	2	4	2	0	2	1	2	2	3
Chemistry	51	46	72	84	56	74	72	90	70
Physics	37	39	36	35	34	37	56	41	44
Other physical sciences	5	11	6	10	4	7	6	11	10
Psychology	622	667	718	787	837	937	953	957	1,085
Social sciences	938	983	1,005	1,107	1,142	1,210	1,253	1,314	1,484
Engineering	711	748	765	807	852	838	855	876	1,130
Chemical engineering	30	43	51	46	39	40	45	39	40
Civil engineering	151	147	159	158	180	168	187	152	163
Electrical engineering	197	208	187	190	211	172	180	242	340
Mechanical engineering	100	98	113	117	99	93	87	117	157
Other engineering	233	252	255	296	323	365	356	326	430
Non-science and engineering	10,960	12,304	13,140	13,954	17,057	18,086	19,076	20,881	24,425
Education	4,439	5,052	5,377	5,772	7,205	7,629	8,329	9,272	11,270
Health	959	1,113	1,018	1,320	1,397	1,594	1,626	1,672	1,840
Humanities	934	1,013	1,033	1,119	1,182	1,107	1,209	1,279	1,444
Professional/other/unknown	4,628	5,126	5,712	5,743	7,273	7,756	7,912	8,658	9,871
Institutions in Puerto Rico, all fields	1,523	1,491	1,544	1,693	2,527	2,344	2,724	2,823	3,270
Science and engineering	341	337	372	399	598	583	605	579	708
Science	277	262	289	293	470	425	467	494	552
Agricultural sciences	20	12	28	31	40	42	76	43	69
Biological sciences	20	40	31	23	30	38	21	25	33
Computer sciences	6	5	9	12	41	49	56	87	65
Earth, atmospheric, and ocean sciences	0	0	0	0	3	3	2	1	2
Mathematics	9	6	7	6	10	2	4	10	8
Physical sciences	17	31	33	37	33	35	31	42	31
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	6	19	28	32	21	24	22	27	19
Physics	9	8	1	1	12	11	9	15	12
Other physical sciences	2	4	4	4	0	0	0	0	0
Psychology	133	92	119	126	192	174	189	178	267
Social sciences	72	76	62	58	121	82	88	108	77
Engineering	64	75	83	106	128	158	138	85	156
Chemical engineering	5	12	17	17	14	12	11	8	7
Civil engineering	10	8	6	6	19	20	24	18	17
Electrical engineering	10	11	13	13	15	22	8	30	46
Mechanical engineering	4	1	10	10	6	12	4	17	16
Other engineering	35	43	37	60	74	92	91	12	70
Non-science and engineering	1,182	1,154	1,172	1,294	1,929	1,761	2,119	2,244	2,562
Education	349	336	387	379	748	572	777	873	976
Health	210	239	146	241	220	221	238	223	213
Humanities	20	39	44	49	32	49	54	54	100
Professional/other/unknown	603	540	595	625	929	919	1,050	1,094	1,273

TABLE 25. Master's degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	11.0	9.7	9.4	9.7	12.1	10.6	11.8	11.2	11.1
Science and engineering	11.6	10.9	11.6	11.5	16.0	14.3	14.8	13.2	14.0
Science	12.4	11.2	11.8	11.0	16.2	13.1	14.4	14.1	14.0
Agricultural sciences	20.8	12.6	26.7	26.7	30.1	34.1	43.4	32.6	40.4
Biological sciences	12.0	20.6	14.5	12.0	11.2	12.3	7.9	9.5	10.2
Computer sciences	2.9	2.7	4.3	5.5	14.2	11.1	16.8	15.7	10.8
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	10.0	10.7	5.7	3.6	5.6
Mathematics	12.5	6.8	11.1	7.1	10.0	2.8	4.9	9.3	7.1
Physical sciences	17.9	31.0	28.4	28.7	34.4	29.4	22.8	29.2	24.4
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	11.8	41.3	38.9	38.1	37.5	32.4	30.6	30.0	27.1
Physics	24.3	20.5	2.8	2.9	35.3	29.7	16.1	36.6	27.3
Other physical sciences	40.0	36.4	66.7	40.0	0.0	0.0	0.0	0.0	0.0
Psychology	21.4	13.8	16.6	16.0	22.9	18.6	19.8	18.6	24.6
Social sciences	7.7	7.7	6.2	5.2	10.6	6.8	7.0	8.2	5.2
Engineering	9.0	10.0	10.8	13.1	15.0	18.9	16.1	9.7	13.8
Chemical engineering	16.7	27.9	33.3	37.0	35.9	30.0	24.4	20.5	17.5
Civil engineering	6.6	5.4	3.8	3.8	10.6	11.9	12.8	11.8	10.4
Electrical engineering	5.1	5.3	7.0	6.8	7.1	12.8	4.4	12.4	13.5
Mechanical engineering	4.0	1.0	8.8	8.5	6.1	12.9	4.6	14.5	10.2
Other engineering	15.0	17.1	14.5	20.3	22.9	25.2	25.6	3.7	16.3
Non-science and engineering	10.8	9.4	8.9	9.3	11.3	9.7	11.1	10.7	10.5
Education	7.9	6.7	7.2	6.6	10.4	7.5	9.3	9.4	8.7
Health	21.9	21.5	14.3	18.3	15.7	13.9	14.6	13.3	11.6
Humanities	2.1	3.8	4.3	4.4	2.7	4.4	4.5	4.2	6.9
Professional/other/unknown	13.0	10.5	10.4	10.9	12.8	11.8	13.3	12.6	12.9

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	5,725	6,072	6,466	6,848	8,004	8,238	8,429	9,117	10,432
Science and engineering	1,612	1,664	1,718	1,795	1,910	1,958	1,973	2,110	2,418
Science	1,034	1,084	1,129	1,166	1,259	1,341	1,370	1,460	1,598
Agricultural sciences	56	55	51	58	59	49	90	45	73
Biological sciences	75	85	110	97	122	142	126	105	152
Computer sciences	159	137	152	142	199	284	228	366	391
Earth, atmospheric, and ocean sciences	22	17	15	12	18	10	16	21	20
Mathematics	50	55	46	46	59	40	52	67	64
Physical sciences	66	63	71	75	59	80	84	86	73
Astronomy	2	4	0	0	2	1	2	0	2
Chemistry	29	20	39	42	27	44	39	47	33
Physics	32	34	27	30	28	33	40	34	34
Other physical sciences	3	5	5	3	2	2	3	5	4
Psychology	168	172	200	209	230	236	237	221	222
Social sciences	438	500	484	527	513	500	537	549	603
Engineering	578	580	589	629	651	617	603	650	820
Chemical engineering	22	29	32	28	24	25	27	24	24
Civil engineering	119	101	123	116	121	117	129	101	102
Electrical engineering	170	178	162	162	177	147	134	207	265
Mechanical engineering	87	84	93	102	87	73	76	100	133
Other engineering	180	188	179	221	242	255	237	218	296
Non-science and engineering	4,113	4,408	4,748	5,053	6,094	6,280	6,456	7,007	8,014
Education	1,164	1,234	1,348	1,488	1,737	1,841	2,003	2,196	2,584
Health	232	253	221	343	358	376	388	388	427
Humanities	416	446	481	514	537	503	527	532	629
Professional/other/unknown	2,301	2,475	2,698	2,708	3,462	3,560	3,538	3,891	4,374
Institutions in Puerto Rico, all fields	500	497	531	574	832	778	870	924	1,009
Science and engineering	141	161	155	178	260	264	245	259	273
Science	90	100	99	102	167	152	158	197	177
Agricultural sciences	14	8	10	12	11	14	32	14	26
Biological sciences	10	19	12	14	10	15	10	9	14
Computer sciences	3	3	4	6	29	28	32	70	42
Earth, atmospheric, and ocean sciences	0	0	0	0	3	1	1	1	2
Mathematics	6	3	4	6	7	1	2	7	4
Physical sciences	14	16	19	17	17	23	15	18	18
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	4	6	16	15	8	13	11	7	9
Physics	8	8	0	0	9	10	4	11	9
Other physical sciences	2	2	3	2	0	0	0	0	0
Psychology	22	20	28	27	43	46	35	35	54
Social sciences	21	31	22	20	47	24	31	43	17
Engineering	51	61	56	76	93	112	87	62	96
Chemical engineering	5	8	9	9	5	8	8	6	3
Civil engineering	9	8	3	3	15	16	15	13	9
Electrical engineering	7	11	13	13	10	18	7	24	31
Mechanical engineering	4	0	8	8	6	11	3	13	14
Other engineering	26	34	23	43	57	59	54	6	39
Non-science and engineering	359	336	376	396	572	514	625	665	736
Education	87	70	98	87	166	119	181	191	197
Health	33	48	30	49	45	49	47	39	75
Humanities	7	5	14	22	13	22	13	19	39
Professional/other/unknown	232	213	234	238	348	324	384	416	425

TABLE 26. Master's degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	8.7	8.2	8.2	8.4	10.4	9.4	10.3	10.1	9.7
Science and engineering	8.7	9.7	9.0	9.9	13.6	13.5	12.4	12.3	11.3
Science	8.7	9.2	8.8	8.7	13.3	11.3	11.5	13.5	11.1
Agricultural sciences	25.0	14.5	19.6	20.7	18.6	28.6	35.6	31.1	35.6
Biological sciences	13.3	22.4	10.9	14.4	8.2	10.6	7.9	8.6	9.2
Computer sciences	1.9	2.2	2.6	4.2	14.6	9.9	14.0	19.1	10.7
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	16.7	10.0	6.3	4.8	10.0
Mathematics	12.0	5.5	8.7	13.0	11.9	2.5	3.8	10.4	6.3
Physical sciences	21.2	25.4	26.8	22.7	28.8	28.8	17.9	20.9	24.7
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	13.8	30.0	41.0	35.7	29.6	29.5	28.2	14.9	27.3
Physics	25.0	23.5	0.0	0.0	32.1	30.3	10.0	32.4	26.5
Other physical sciences	66.7	40.0	60.0	66.7	0.0	0.0	0.0	0.0	0.0
Psychology	13.1	11.6	14.0	12.9	18.7	19.5	14.8	15.8	24.3
Social sciences	4.8	6.2	4.5	3.8	9.2	4.8	5.8	7.8	2.8
Engineering	8.8	10.5	9.5	12.1	14.3	18.2	14.4	9.5	11.7
Chemical engineering	22.7	27.6	28.1	32.1	20.8	32.0	29.6	25.0	12.5
Civil engineering	7.6	7.9	2.4	2.6	12.4	13.7	11.6	12.9	8.8
Electrical engineering	4.1	6.2	8.0	8.0	5.6	12.2	5.2	11.6	11.7
Mechanical engineering	4.6	0.0	8.6	7.8	6.9	15.1	3.9	13.0	10.5
Other engineering	14.4	18.1	12.8	19.5	23.6	23.1	22.8	2.8	13.2
Non-science and engineering	8.7	7.6	7.9	7.8	9.4	8.2	9.7	9.5	9.2
Education	7.5	5.7	7.3	5.8	9.6	6.5	9.0	8.7	7.6
Health	14.2	19.0	13.6	14.3	12.6	13.0	12.1	10.1	17.6
Humanities	1.7	1.1	2.9	4.3	2.4	4.4	2.5	3.6	6.2
Professional/other/unknown	10.1	8.6	8.7	8.8	10.1	9.1	10.9	10.7	9.7

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
All institutions, all fields	8,180	9,322	9,894	10,568	12,799	13,925	14,736	16,140	19,066
Science and engineering	1,333	1,426	1,502	1,667	1,836	2,119	2,116	2,266	2,655
Science	1,200	1,258	1,326	1,489	1,635	1,898	1,864	2,040	2,345
Agricultural sciences	40	40	54	58	74	74	85	87	98
Biological sciences	92	109	104	95	146	168	141	157	173
Computer sciences	51	51	59	77	89	156	105	189	211
Earth, atmospheric, and ocean sciences	12	10	8	8	12	18	19	7	16
Mathematics	22	33	17	39	41	32	30	41	49
Physical sciences	29	37	45	54	37	39	52	58	54
Astronomy	0	0	2	0	0	0	0	2	1
Chemistry	22	26	33	42	29	30	33	43	37
Physics	5	5	9	5	6	4	16	7	10
Other physical sciences	2	6	1	7	2	5	3	6	6
Psychology	454	495	518	578	607	701	716	736	863
Social sciences	500	483	521	580	629	710	716	765	881
Engineering	133	168	176	178	201	221	252	226	310
Chemical engineering	8	14	19	18	15	15	18	15	16
Civil engineering	32	46	36	42	59	51	58	51	61
Electrical engineering	27	30	25	28	34	25	46	35	75
Mechanical engineering	13	14	20	15	12	20	11	17	24
Other engineering	53	64	76	75	81	110	119	108	134
Non-science and engineering	6,847	7,896	8,392	8,901	10,963	11,806	12,620	13,874	16,411
Education	3,275	3,818	4,029	4,284	5,468	5,788	6,326	7,076	8,686
Health	727	860	797	977	1,039	1,218	1,238	1,284	1,413
Humanities	518	567	552	605	645	604	682	747	815
Professional/other/unknown	2,327	2,651	3,014	3,035	3,811	4,196	4,374	4,767	5,497
Institutions in Puerto Rico, all fields	1,023	994	1,013	1,119	1,695	1,566	1,854	1,899	2,261
Science and engineering	200	176	217	221	338	319	360	320	435
Science	187	162	190	191	303	273	309	297	375
Agricultural sciences	6	4	18	19	29	28	44	29	43
Biological sciences	10	21	19	9	20	23	11	16	19
Computer sciences	3	2	5	6	12	21	24	17	23
Earth, atmospheric, and ocean sciences	0	0	0	0	0	2	1	0	0
Mathematics	3	3	3	0	3	1	2	3	4
Physical sciences	3	15	14	20	16	12	16	24	13
Astronomy	0	0	0	0	0	0	0	0	0
Chemistry	2	13	12	17	13	11	11	20	10
Physics	1	0	1	1	3	1	5	4	3
Other physical sciences	0	2	1	2	0	0	0	0	0
Psychology	111	72	91	99	149	128	154	143	213
Social sciences	51	45	40	38	74	58	57	65	60
Engineering	13	14	27	30	35	46	51	23	60
Chemical engineering	0	4	8	8	9	4	3	2	4
Civil engineering	1	0	3	3	4	4	9	5	8
Electrical engineering	3	0	0	0	5	4	1	6	15
Mechanical engineering	0	1	2	2	0	1	1	4	2
Other engineering	9	9	14	17	17	33	37	6	31
Non-science and engineering	823	818	796	898	1,357	1,247	1,494	1,579	1,826
Education	262	266	289	292	582	453	596	682	779
Health	177	191	116	192	175	172	191	184	138
Humanities	13	34	30	27	19	27	41	35	61
Professional/other/unknown	371	327	361	387	581	595	666	678	848

TABLE 27. Master's degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	12.5	10.7	10.2	10.6	13.2	11.2	12.6	11.8	11.9
Science and engineering	15.0	12.3	14.4	13.3	18.4	15.1	17.0	14.1	16.4
Science	15.6	12.9	14.3	12.8	18.5	14.4	16.6	14.6	16.0
Agricultural sciences	15.0	10.0	33.3	32.8	39.2	37.8	51.8	33.3	43.9
Biological sciences	10.9	19.3	18.3	9.5	13.7	13.7	7.8	10.2	11.0
Computer sciences	5.9	3.9	8.5	7.8	13.5	13.5	22.9	9.0	10.9
Earth, atmospheric, and ocean sciences	0.0	0.0	0.0	0.0	0.0	11.1	5.3	0.0	0.0
Mathematics	13.6	9.1	17.6	0.0	7.3	3.1	6.7	7.3	8.2
Physical sciences	10.3	40.5	31.1	37.0	43.2	30.8	30.8	41.4	24.1
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	9.1	50.0	36.4	40.5	44.8	36.7	33.3	46.5	27.0
Physics	20.0	0.0	11.1	20.0	50.0	25.0	31.3	57.1	30.0
Other physical sciences	0.0	33.3	100.0	28.6	0.0	0.0	0.0	0.0	0.0
Psychology	24.4	14.5	17.6	17.1	24.5	18.3	21.5	19.4	24.7
Social sciences	10.2	9.3	7.7	6.6	11.8	8.2	8.0	8.5	6.8
Engineering	9.8	8.3	15.3	16.9	17.4	20.8	20.2	10.2	19.4
Chemical engineering	0.0	28.6	42.1	44.4	60.0	26.7	16.7	13.3	25.0
Civil engineering	3.1	0.0	8.3	7.1	6.8	7.8	15.5	9.8	13.1
Electrical engineering	11.1	0.0	0.0	0.0	14.7	16.0	2.2	17.1	20.0
Mechanical engineering	0.0	7.1	10.0	13.3	0.0	5.0	9.1	23.5	8.3
Other engineering	17.0	14.1	18.4	22.7	21.0	30.0	31.1	5.6	23.1
Non-science and engineering	12.0	10.4	9.5	10.1	12.4	10.6	11.8	11.4	11.1
Education	8.0	7.0	7.2	6.8	10.6	7.8	9.4	9.6	9.0
Health	24.3	22.2	14.6	19.7	16.8	14.1	15.4	14.3	9.8
Humanities	2.5	6.0	5.4	4.5	2.9	4.5	6.0	4.7	7.5
Professional/other/unknown	15.9	12.3	12.0	12.8	15.2	14.2	15.2	14.2	15.4

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	1,064	1,113	1,198	1,327	1,324	1,308	1,272	1,369	1,426	1,297
Science and engineering	573	626	658	754	722	729	674	724	741	715
Science	496	527	562	644	639	647	583	627	638	627
Agricultural sciences	24	13	27	35	16	29	26	21	25	16
Biological sciences	127	131	146	168	175	173	165	182	176	191
Computer sciences	6	16	16	15	14	14	8	14	10	13
Earth, atmospheric, and ocean sciences	10	19	15	16	20	15	9	14	15	11
Mathematics	15	11	20	27	15	15	15	12	16	26
Physical sciences	73	67	69	54	63	78	65	64	72	62
Astronomy	4	2	3	2	1	3	7	4	3	6
Chemistry	43	36	44	34	46	51	43	38	45	43
Physics	26	29	22	18	16	23	15	22	24	13
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	146	173	171	208	215	211	175	185	170	170
Social sciences	95	97	98	121	121	112	120	135	154	138
Engineering	77	99	96	110	83	82	91	97	103	88
Chemical engineering	13	19	7	13	7	18	7	16	16	12
Civil engineering	11	6	12	16	12	9	9	8	13	20
Electrical engineering	15	27	26	31	30	22	22	31	23	15
Mechanical engineering	8	13	14	19	9	12	21	12	13	10
Other engineering	30	34	37	31	25	21	32	30	38	31
Non-science and engineering	491	487	540	573	602	579	598	645	685	582
Education	258	218	257	290	303	284	275	320	338	271
Health	30	38	32	37	46	34	30	33	44	47
Humanities	154	178	208	198	197	208	230	241	247	207
Professional/other/unknown	49	53	43	48	56	53	63	51	56	57
Institutions in Puerto Rico, all fields	51	43	91	107	150	111	95	85	71	38
Science and engineering	36	29	50	73	98	73	49	41	58	22
Science	36	29	50	73	97	73	48	41	55	20
Agricultural sciences	0	0	0	0	0	0	1	0	0	0
Biological sciences	0	0	1	5	10	10	19	13	10	8
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	1	1	2	3	1	0	1	7	1
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	4	2	5	2	9	5	5	4	3	3
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	3	1	5	2	8	5	5	4	3	3
Physics	1	1	0	0	1	0	0	0	0	0
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	31	26	42	64	74	57	23	22	35	8
Social sciences	0	0	1	0	1	0	0	1	0	0
Engineering	0	0	0	0	1	0	1	0	3	2
Chemical engineering	0	0	0	0	0	0	0	0	2	0
Civil engineering	0	0	0	0	1	0	1	0	1	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	15	14	41	34	52	38	46	44	13	16
Education	13	6	29	29	45	36	40	38	8	12
Health	0	0	0	0	0	0	0	0	0	0
Humanities	2	8	12	5	5	2	6	6	5	4
Professional/other/unknown	0	0	0	0	2	0	0	0	0	0

TABLE 28. Doctoral degrees awarded to Hispanics by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	4.8	3.9	7.6	8.1	11.3	8.5	7.5	6.2	5.0	2.9
Science and engineering	6.3	4.6	7.6	9.7	13.6	10.0	7.3	5.7	7.8	3.1
Science	7.3	5.5	8.9	11.3	15.2	11.3	8.2	6.5	8.6	3.2
Agricultural sciences	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
Biological sciences	0.0	0.0	0.7	3.0	5.7	5.8	11.5	7.1	5.7	4.2
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	10.0	5.3	6.7	12.5	15.0	6.7	0.0	7.1	46.7	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	5.5	3.0	7.2	3.7	14.3	6.4	7.7	6.3	4.2	4.8
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	7.0	2.8	11.4	5.9	17.4	9.8	11.6	10.5	6.7	7.0
Physics	3.8	3.4	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	21.2	15.0	24.6	30.8	34.4	27.0	13.1	11.9	20.6	4.7
Social sciences	0.0	0.0	1.0	0.0	0.8	0.0	0.0	0.7	0.0	0.0
Engineering	0.0	0.0	0.0	0.0	1.2	0.0	1.1	0.0	2.9	2.3
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0
Civil engineering	0.0	0.0	0.0	0.0	8.3	0.0	11.1	0.0	7.7	10.0
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	3.1	2.9	7.6	5.9	8.6	6.6	7.7	6.8	1.9	2.7
Education	5.0	2.8	11.3	10.0	14.9	12.7	14.5	11.9	2.4	4.4
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	1.3	4.5	5.8	2.5	2.5	1.0	2.6	2.5	2.0	1.9
Professional/other/unknown	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	542	567	624	682	579	609	569	601	664	597
Science and engineering	341	353	392	428	360	379	336	345	376	354
Science	275	269	319	331	300	310	268	273	296	287
Agricultural sciences	16	9	20	22	9	18	12	13	14	5
Biological sciences	80	65	83	89	99	82	88	68	96	84
Computer sciences	2	9	14	14	11	11	4	12	6	10
Earth, atmospheric, and ocean sciences	7	13	10	10	16	12	4	12	9	6
Mathematics	11	11	14	20	10	8	10	8	9	19
Physical sciences	52	55	54	43	41	53	43	42	49	38
Astronomy	2	1	2	2	1	2	6	3	2	4
Chemistry	29	29	32	25	25	30	26	20	27	22
Physics	21	25	20	16	15	20	11	19	20	12
Other physical sciences	0	0	0	0	0	1	0	0	0	0
Psychology	49	53	64	56	57	59	46	56	54	55
Social sciences	58	54	60	77	57	67	61	62	59	70
Engineering	66	84	73	97	60	69	68	72	80	67
Chemical engineering	11	13	4	13	3	14	2	9	12	8
Civil engineering	10	6	11	13	6	8	7	8	8	16
Electrical engineering	14	23	20	29	26	21	19	27	19	13
Mechanical engineering	8	13	11	18	8	11	21	7	12	8
Other engineering	23	29	27	24	17	15	19	21	29	22
Non-science and engineering	201	214	232	254	219	230	233	256	288	243
Education	91	87	93	111	91	99	91	104	119	97
Health	15	16	8	12	15	10	9	9	11	10
Humanities	72	85	107	103	90	98	98	117	132	104
Professional/other/unknown	23	26	24	28	23	23	35	26	26	32
Institutions in Puerto Rico, all fields	16	15	30	23	42	28	28	31	31	13
Science and engineering	13	11	18	15	30	17	15	15	25	10
Science	13	11	18	15	29	17	14	15	23	8
Agricultural sciences	0	0	0	0	0	0	1	0	0	0
Biological sciences	0	0	0	4	7	1	5	5	7	5
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	1	1	0	0	3	1	0	1	6	0
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	3	1	3	0	6	3	4	2	2	2
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	2	0	3	0	5	3	4	2	2	2
Physics	1	1	0	0	1	0	0	0	0	0
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	9	9	15	11	13	12	4	7	8	1
Social sciences	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	1	0	1	0	2	2
Chemical engineering	0	0	0	0	0	0	0	0	1	0
Civil engineering	0	0	0	0	1	0	1	0	1	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	3	4	12	8	12	11	13	16	6	3
Education	2	2	6	6	10	10	11	11	2	2
Health	0	0	0	0	0	0	0	0	0	0
Humanities	1	2	6	2	1	1	2	5	4	1
Professional/other/unknown	0	0	0	0	1	0	0	0	0	0

TABLE 29. Doctoral degrees awarded to Hispanic men by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	3.0	2.6	4.8	3.4	7.3	4.6	4.9	5.2	4.7	2.2
Science and engineering	3.8	3.1	4.6	3.5	8.3	4.5	4.5	4.3	6.6	2.8
Science	4.7	4.1	5.6	4.5	9.7	5.5	5.2	5.5	7.8	2.8
Agricultural sciences	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0
Biological sciences	0.0	0.0	0.0	4.5	7.1	1.2	5.7	7.4	7.3	6.0
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	14.3	7.7	0.0	0.0	18.8	8.3	0.0	8.3	66.7	0.0
Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Physical sciences	5.8	1.8	5.6	0.0	14.6	5.7	9.3	4.8	4.1	5.3
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	6.9	0.0	9.4	0.0	20.0	10.0	15.4	10.0	7.4	9.1
Physics	4.8	4.0	0.0	0.0	6.7	0.0	0.0	0.0	0.0	0.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	18.4	17.0	23.4	19.6	22.8	20.3	8.7	12.5	14.8	1.8
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	0.0	0.0	1.7	0.0	1.5	0.0	2.5	3.0
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Civil engineering	0.0	0.0	0.0	0.0	16.7	0.0	14.3	0.0	12.5	12.5
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	1.5	1.9	5.2	3.1	5.5	4.8	5.6	6.3	2.1	1.2
Education	2.2	2.3	6.5	5.4	11.0	10.1	12.1	10.6	1.7	2.1
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	1.4	2.4	5.6	1.9	1.1	1.0	2.0	4.3	3.0	1.0
Professional/other/unknown	0.0	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All institutions, all fields	522	546	574	644	745	698	703	768	762	700
Science and engineering	232	273	266	326	362	349	338	379	365	361
Science	221	258	243	313	339	336	315	354	342	340
Agricultural sciences	8	4	7	13	7	11	14	8	11	11
Biological sciences	47	66	63	79	76	91	77	114	80	107
Computer sciences	4	7	2	1	3	3	4	2	4	3
Earth, atmospheric, and ocean sciences	3	6	5	6	4	3	5	2	6	5
Mathematics	4	0	6	7	5	7	5	4	7	7
Physical sciences	21	12	15	11	22	25	22	22	23	24
Astronomy	2	1	1	0	0	1	1	1	1	2
Chemistry	14	7	12	9	21	21	17	18	18	21
Physics	5	4	2	2	1	3	4	3	4	1
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	97	120	107	152	158	151	129	129	116	115
Social sciences	37	43	38	44	64	45	59	73	95	68
Engineering	11	15	23	13	23	13	23	25	23	21
Chemical engineering	2	6	3	0	4	4	5	7	4	4
Civil engineering	1	0	1	3	6	1	2	0	5	4
Electrical engineering	1	4	6	2	4	1	3	4	4	2
Mechanical engineering	0	0	3	1	1	1	0	5	1	2
Other engineering	7	5	10	7	8	6	13	9	9	9
Non-science and engineering	290	273	308	318	383	349	365	389	397	339
Education	167	131	164	178	212	185	184	216	219	174
Health	15	22	24	25	31	24	21	24	33	37
Humanities	82	93	101	95	107	110	132	124	115	103
Professional/other/unknown	26	27	19	20	33	30	28	25	30	25
Institutions in Puerto Rico, all fields	35	28	61	84	108	82	67	54	40	25
Science and engineering	23	18	32	58	68	55	34	26	33	12
Science	23	18	32	58	68	55	34	26	32	12
Agricultural sciences	0	0	0	0	0	0	0	0	0	0
Biological sciences	0	0	1	1	3	9	14	8	3	3
Computer sciences	0	0	0	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	0	0	1	2	0	0	0	0	1	1
Mathematics	0	0	0	0	0	0	0	0	0	0
Physical sciences	1	1	2	2	3	2	1	2	1	1
Astronomy	0	0	0	0	0	0	0	0	0	0
Chemistry	1	1	2	2	3	2	1	2	1	1
Physics	0	0	0	0	0	0	0	0	0	0
Other physical sciences	0	0	0	0	0	0	0	0	0	0
Psychology	22	17	27	53	61	44	19	15	27	7
Social sciences	0	0	1	0	1	0	0	1	0	0
Engineering	0	0	0	0	0	0	0	0	1	0
Chemical engineering	0	0	0	0	0	0	0	0	1	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	12	10	29	26	40	27	33	28	7	13
Education	11	4	23	23	35	26	29	27	6	10
Health	0	0	0	0	0	0	0	0	0	0
Humanities	1	6	6	3	4	1	4	1	1	3
Professional/other/unknown	0	0	0	0	1	0	0	0	0	0

TABLE 30. Doctoral degrees awarded to Hispanic women by all institutions and by institutions in Puerto Rico, by field: 1995–2004

Field	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Institutions in Puerto Rico, all fields (%)	6.7	5.1	10.6	13.0	14.5	11.7	9.5	7.0	5.2	3.6
Science and engineering	9.9	6.6	12.0	17.8	18.8	15.8	10.1	6.9	9.0	3.3
Science	10.4	7.0	13.2	18.5	20.1	16.4	10.8	7.3	9.4	3.5
Agricultural sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Biological sciences	0.0	0.0	1.6	1.3	3.9	9.9	18.2	7.0	3.8	2.8
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	20.0	33.3	0.0	0.0	0.0	0.0	16.7	20.0
Mathematics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Physical sciences	4.8	8.3	13.3	18.2	13.6	8.0	4.5	9.1	4.3	4.2
Astronomy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemistry	7.1	14.3	16.7	22.2	14.3	9.5	5.9	11.1	5.6	4.8
Physics	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other physical sciences	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Psychology	22.7	14.2	25.2	34.9	38.6	29.1	14.7	11.6	23.3	6.1
Social sciences	0.0	0.0	2.6	0.0	1.6	0.0	0.0	1.4	0.0	0.0
Engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0
Chemical engineering	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	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	4.1	3.7	9.4	8.2	10.4	7.7	9.0	7.2	1.8	3.8
Education	6.6	3.1	14.0	12.9	16.5	14.1	15.8	12.5	2.7	5.7
Health	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Humanities	1.2	6.5	5.9	3.2	3.7	0.9	3.0	0.8	0.9	2.9
Professional/other/unknown	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0

NOTES: Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency). 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	16,607	16,228	14,631	14,825	15,238	15,127	15,406	15,336	15,119
U.S. citizens and permanent residents ^a	16,057	15,642	14,074	14,234	14,797	14,609	14,947	14,883	14,613
Asian/Pacific Islander	730	732	474	476	738	672	710	657	631
Underrepresented minorities	2,320	2,474	2,248	2,214	2,608	2,625	2,643	2,850	2,902
American Indian/Alaskan Native	115	112	101	105	109	128	101	124	193
Black, non-Hispanic	1,321	1,373	1,424	1,370	1,431	1,389	1,430	1,482	1,539
Hispanic	884	989	723	739	1,068	1,108	1,112	1,244	1,170
White	12,675	12,093	10,988	11,044	10,871	10,698	10,885	10,672	10,405
Unknown race/ethnicity	332	343	364	500	580	614	709	704	675
Nonresident aliens ^b	550	586	557	591	441	518	459	453	506
Male	14,704	14,382	12,925	12,993	13,291	13,072	13,267	13,050	13,003
U.S. citizens and permanent residents ^a	14,196	13,851	12,415	12,469	12,896	12,609	12,881	12,673	12,578
Asian/Pacific Islander	639	658	422	422	662	585	616	573	545
Underrepresented minorities	1,883	1,960	1,783	1,759	2,079	2,112	2,058	2,159	2,297
American Indian/Alaskan Native	98	87	83	87	85	117	86	97	163
Black, non-Hispanic	1,043	1,044	1,096	1,073	1,096	1,055	1,068	1,088	1,160
Hispanic	742	829	604	599	898	940	904	974	974
White	11,383	10,930	9,869	9,850	9,663	9,375	9,578	9,355	9,166
Unknown race/ethnicity	291	303	341	438	492	537	629	586	570
Nonresident aliens ^b	508	531	510	524	395	463	386	377	425
Female	1,903	1,846	1,706	1,832	1,947	2,055	2,139	2,286	2,116
U.S. citizens and permanent residents ^a	1,861	1,791	1,659	1,765	1,901	2,000	2,066	2,210	2,035
Asian/Pacific Islander	91	74	52	54	76	87	94	84	86
Underrepresented minorities	437	514	465	455	529	513	585	691	605
American Indian/Alaskan Native	17	25	18	18	24	11	15	27	30
Black, non-Hispanic	278	329	328	297	335	334	362	394	379
Hispanic	142	160	119	140	170	168	208	270	196
White	1,292	1,163	1,119	1,194	1,208	1,323	1,307	1,317	1,239
Unknown race/ethnicity	41	40	23	62	88	77	80	118	105
Nonresident aliens ^b	42	55	47	67	46	55	73	76	81

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	1,577	1,651	1,414	1,700	1,350	1,381	1,444	1,471	1,470
U.S. citizens and permanent residents ^a	1,268	1,353	1,153	1,432	1,146	1,129	1,101	1,107	1,105
Asian/Pacific Islander	55	61	49	62	53	65	52	70	79
Underrepresented minorities	131	135	115	205	160	156	136	203	191
American Indian/Alaskan Native	6	7	3	6	3	3	6	8	4
Black, non-Hispanic	85	81	86	150	116	111	101	135	132
Hispanic	40	47	26	49	41	42	29	60	55
White	982	1,053	950	1,115	835	814	822	730	759
Unknown race/ethnicity	100	104	39	50	98	94	91	104	76
Nonresident aliens ^b	309	298	261	268	204	252	343	364	365
Male	1,136	1,179	1,012	1,158	902	874	941	1,009	976
U.S. citizens and permanent residents ^a	940	990	842	1,002	775	728	733	753	728
Asian/Pacific Islander	41	41	34	40	29	41	30	38	40
Underrepresented minorities	89	87	76	130	98	89	84	117	106
American Indian/Alaskan Native	4	4	3	4	2	2	4	4	3
Black, non-Hispanic	53	51	56	95	63	55	59	74	69
Hispanic	32	32	17	31	33	32	21	39	34
White	726	777	704	801	585	540	569	537	532
Unknown race/ethnicity	84	85	28	31	63	58	50	61	50
Nonresident aliens ^b	196	189	170	156	127	146	208	256	248
Female	441	472	402	542	448	507	503	462	494
U.S. citizens and permanent residents ^a	328	363	311	430	371	401	368	354	377
Asian/Pacific Islander	14	20	15	22	24	24	22	32	39
Underrepresented minorities	42	48	39	75	62	67	52	86	85
American Indian/Alaskan Native	2	3	0	2	1	1	2	4	1
Black, non-Hispanic	32	30	30	55	53	56	42	61	63
Hispanic	8	15	9	18	8	10	8	21	21
White	256	276	246	314	250	274	253	193	227
Unknown race/ethnicity	16	19	11	19	35	36	41	43	26
Nonresident aliens ^b	113	109	91	112	77	106	135	108	117

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	19	18	13	19	16	21	24	16	22
U.S. citizens and permanent residents ^a	11	9	8	9	11	9	12	9	14
Asian/Pacific Islander	2	2	0	0	0	1	1	1	0
Underrepresented minorities	1	0	1	0	1	0	0	0	2
American Indian/Alaskan Native	1	0	0	0	0	0	0	0	0
Black, non-Hispanic	0	0	1	0	1	0	0	0	2
Hispanic	0	0	0	0	0	0	0	0	0
White	8	3	4	6	5	7	9	7	10
Unknown race/ethnicity	0	4	3	3	5	1	2	1	2
Nonresident aliens ^b	8	9	5	10	5	12	12	7	8
Male	16	16	11	17	11	17	11	12	17
U.S. citizens and permanent residents ^a	10	8	6	7	6	6	3	6	10
Asian/Pacific Islander	2	2	0	0	0	1	1	1	0
Underrepresented minorities	1	0	1	0	0	0	0	0	2
American Indian/Alaskan Native	1	0	0	0	0	0	0	0	0
Black, non-Hispanic	0	0	1	0	0	0	0	0	2
Hispanic	0	0	0	0	0	0	0	0	0
White	7	3	3	5	3	4	2	4	7
Unknown race/ethnicity	0	3	2	2	3	1	0	1	1
Nonresident aliens ^b	6	8	5	10	5	11	8	6	7
Female	3	2	2	2	5	4	13	4	5
U.S. citizens and permanent residents ^a	1	1	2	2	5	3	9	3	4
Asian/Pacific Islander	0	0	0	0	0	0	0	0	0
Underrepresented minorities	0	0	0	0	1	0	0	0	0
American Indian/Alaskan Native	0	0	0	0	0	0	0	0	0
Black, non-Hispanic	0	0	0	0	1	0	0	0	0
Hispanic	0	0	0	0	0	0	0	0	0
White	1	0	1	1	2	3	7	3	3
Unknown race/ethnicity	0	1	1	1	2	0	2	0	1
Nonresident aliens ^b	2	1	0	0	0	1	4	1	1

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	72,326	76,267	77,769	76,959	71,584	66,751	64,533	65,076	68,511
U.S. citizens and permanent residents ^a	71,490	75,327	76,823	76,264	70,884	65,849	63,857	64,260	67,707
Asian/Pacific Islander	2,979	3,448	3,817	4,082	3,871	3,505	3,331	3,225	3,252
Underrepresented minorities	8,222	9,105	9,585	10,425	11,157	11,011	11,385	11,598	12,341
American Indian/Alaskan Native	379	424	466	512	462	424	437	449	500
Black, non-Hispanic	4,986	5,435	5,645	6,182	6,692	6,543	6,778	6,745	7,212
Hispanic	2,857	3,246	3,474	3,731	4,003	4,044	4,170	4,404	4,629
White	58,801	61,112	61,542	59,796	53,885	49,389	46,633	46,762	48,726
Unknown race/ethnicity	1,488	1,662	1,879	1,961	1,971	1,944	2,508	2,675	3,388
Nonresident aliens ^b	836	940	946	695	700	902	676	816	804
Male	12,499	13,467	13,940	13,378	11,480	10,719	9,625	9,767	9,985
U.S. citizens and permanent residents ^a	12,289	13,271	13,697	13,207	11,329	10,529	9,463	9,591	9,838
Asian/Pacific Islander	713	796	917	973	904	817	668	690	637
Underrepresented minorities	1,297	1,453	1,555	1,770	1,680	1,732	1,668	1,692	1,810
American Indian/Alaskan Native	77	72	94	116	87	72	77	74	84
Black, non-Hispanic	671	745	750	861	880	908	836	825	879
Hispanic	549	636	711	793	713	752	755	793	847
White	10,049	10,731	10,878	10,119	8,424	7,661	6,690	6,722	6,840
Unknown race/ethnicity	230	291	347	345	321	319	437	487	551
Nonresident aliens ^b	210	196	243	171	151	190	162	176	147
Female	59,827	62,800	63,829	63,581	60,104	56,032	54,908	55,309	58,526
U.S. citizens and permanent residents ^a	59,201	62,056	63,126	63,057	59,555	55,320	54,394	54,669	57,869
Asian/Pacific Islander	2,266	2,652	2,900	3,109	2,967	2,688	2,663	2,535	2,615
Underrepresented minorities	6,925	7,652	8,030	8,655	9,477	9,279	9,717	9,906	10,531
American Indian/Alaskan Native	302	352	372	396	375	352	360	375	416
Black, non-Hispanic	4,315	4,690	4,895	5,321	5,812	5,635	5,942	5,920	6,333
Hispanic	2,308	2,610	2,763	2,938	3,290	3,292	3,415	3,611	3,782
White	48,752	50,381	50,664	49,677	45,461	41,728	39,943	40,040	41,886
Unknown race/ethnicity	1,258	1,371	1,532	1,616	1,650	1,625	2,071	2,188	2,837
Nonresident aliens ^b	626	744	703	524	549	712	514	640	657

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Health fields include the medical and health sciences shown in appendix B.

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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	28,716	30,990	33,177	35,894	37,887	38,588	37,863	35,885	37,511
U.S. citizens and permanent residents ^a	27,264	29,666	31,740	34,531	36,387	36,818	36,126	34,150	35,276
Asian/Pacific Islander	1,414	1,603	1,442	2,172	2,230	2,376	2,458	2,462	2,480
Underrepresented minorities	2,422	2,824	2,793	3,534	3,744	4,272	4,411	4,651	5,074
American Indian/Alaskan Native	119	134	151	166	189	175	178	210	197
Black, non-Hispanic	1,344	1,577	1,624	2,048	2,158	2,503	2,607	2,769	3,037
Hispanic	959	1,113	1,018	1,320	1,397	1,594	1,626	1,672	1,840
White	22,289	24,154	26,083	27,362	28,785	28,298	27,030	24,927	25,184
Unknown race/ethnicity	1,139	1,085	1,422	1,463	1,628	1,872	2,227	2,110	2,538
Nonresident aliens ^b	1,452	1,324	1,437	1,363	1,500	1,770	1,737	1,735	2,235
Male	6,027	6,399	6,882	7,611	8,215	8,373	8,061	7,576	7,850
U.S. citizens and permanent residents ^a	5,441	5,845	6,296	7,080	7,645	7,717	7,403	6,927	6,888
Asian/Pacific Islander	535	576	454	739	645	706	686	658	684
Underrepresented minorities	487	529	504	732	786	797	860	888	928
American Indian/Alaskan Native	25	31	30	39	45	40	52	57	36
Black, non-Hispanic	230	245	253	350	383	381	420	443	465
Hispanic	232	253	221	343	358	376	388	388	427
White	4,173	4,507	5,037	5,272	5,849	5,766	5,392	4,871	4,708
Unknown race/ethnicity	246	233	301	337	365	448	465	510	568
Nonresident aliens ^b	586	554	586	531	570	656	658	649	962
Female	22,689	24,591	26,295	28,283	29,672	30,215	29,802	28,309	29,661
U.S. citizens and permanent residents ^a	21,823	23,821	25,444	27,451	28,742	29,101	28,723	27,223	28,388
Asian/Pacific Islander	879	1,027	988	1,433	1,585	1,670	1,772	1,804	1,796
Underrepresented minorities	1,935	2,295	2,289	2,802	2,958	3,475	3,551	3,763	4,146
American Indian/Alaskan Native	94	103	121	127	144	135	126	153	161
Black, non-Hispanic	1,114	1,332	1,371	1,698	1,775	2,122	2,187	2,326	2,572
Hispanic	727	860	797	977	1,039	1,218	1,238	1,284	1,413
White	18,116	19,647	21,046	22,090	22,936	22,532	21,638	20,056	20,476
Unknown race/ethnicity	893	852	1,121	1,126	1,263	1,424	1,762	1,600	1,970
Nonresident aliens ^b	866	770	851	832	930	1,114	1,079	1,086	1,273

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: Detailed national data were not released by the National Center for Education Statistics for the academic year ending in 1999. Health fields include the medical and health sciences shown in appendix B.

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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All recipients	1,329	1,324	1,421	1,500	1,407	1,592	1,622	1,653	1,636	1,730
U.S. citizens and permanent residents ^a	1,043	1,016	1,028	1,154	1,049	1,195	1,158	1,194	1,229	1,271
Asian ^b	93	87	87	83	87	99	107	91	86	94
Underrepresented minorities	99	90	93	106	109	113	100	108	125	157
American Indian/Alaska Native	9	4	6	4	6	4	6	3	2	3
Black, non-Hispanic	60	48	55	65	57	75	64	72	79	107
Hispanic	30	38	32	37	46	34	30	33	44	47
White, non-Hispanic	832	822	828	929	837	961	922	969	970	974
Other/unknown race/ethnicity ^c	19	17	20	36	16	22	29	26	48	46
Nonresident aliens ^d	246	268	273	286	286	306	320	323	328	366
Citizenship unknown	40	40	120	60	72	91	144	136	79	93
Male	477	456	469	489	499	523	576	529	540	544
U.S. citizens and permanent residents ^a	324	293	287	310	329	341	340	340	354	346
Asian ^b	52	47	37	35	39	36	38	20	37	30
Underrepresented minorities	35	30	25	27	27	25	23	25	29	36
American Indian/Alaska Native	2	1	2	1	0	1	2	0	1	0
Black, non-Hispanic	18	13	15	14	12	14	12	16	17	26
Hispanic	15	16	8	12	15	10	9	9	11	10
White, non-Hispanic	232	212	219	234	257	271	271	286	271	265
Other/unknown race/ethnicity ^c	5	4	6	14	6	9	8	9	17	15
Nonresident aliens ^d	140	147	135	156	139	143	170	140	164	167
Citizenship unknown	13	16	47	23	31	39	66	49	22	31
Female	843	860	936	1,006	899	1,066	1,033	1,123	1,087	1,180
U.S. citizens and permanent residents ^a	719	723	740	844	720	854	818	854	875	925
Asian ^b	41	40	50	48	48	63	69	71	49	64
Underrepresented minorities	64	60	68	79	82	88	77	83	96	121
American Indian/Alaska Native	7	3	4	3	6	3	4	3	1	3
Black, non-Hispanic	42	35	40	51	45	61	52	56	62	81
Hispanic	15	22	24	25	31	24	21	24	33	37
White, non-Hispanic	600	610	609	695	580	690	651	683	699	709
Other/unknown race/ethnicity ^c	14	13	13	22	10	13	21	17	31	31
Nonresident aliens ^d	104	117	138	129	147	163	150	183	163	199
Citizenship unknown	20	20	58	33	32	49	65	86	49	56

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Includes Native Hawaiians and other Pacific Islanders from 1995 to 2000.

^c Includes Native Hawaiians and other Pacific Islanders and multiple race/ethnicity from 2001 to 2004.

^d Nonresident aliens include foreign citizens on temporary visas only.

NOTE: Health fields include the medical and other health sciences shown in appendix B.

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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	76,457	77,505	79,169	78,945	79,578	80,054	81,161	81,214	83,552
U.S. citizens and permanent residents ^a	74,846	75,873	77,515	77,162	77,720	77,998	79,240	79,238	81,575
Asian/Pacific Islander	6,277	6,513	7,234	7,547	8,189	8,951	9,161	9,342	9,489
Underrepresented minorities	8,877	9,501	9,846	10,001	10,194	10,164	10,374	10,502	10,880
American Indian/Alaskan Native	404	453	501	544	541	518	553	551	536
Black, non-Hispanic	4,657	4,905	5,153	5,310	5,292	5,190	5,371	5,312	5,491
Hispanic	3,816	4,143	4,192	4,147	4,361	4,456	4,450	4,639	4,853
White	58,239	58,179	58,769	57,551	56,708	56,021	55,612	55,298	57,094
Unknown race/ethnicity	1,453	1,680	1,666	2,063	2,629	2,862	4,093	4,096	4,112
Nonresident aliens ^b	1,611	1,632	1,654	1,783	1,858	2,056	1,921	1,976	1,977
Male	45,193	45,182	45,747	45,033	43,976	43,036	42,931	42,174	42,654
U.S. citizens and permanent residents ^a	44,112	44,064	44,619	43,886	42,800	41,785	41,787	41,047	41,568
Asian/Pacific Islander	3,423	3,483	3,887	3,903	4,185	4,367	4,432	4,420	4,307
Underrepresented minorities	4,388	4,589	4,679	4,762	4,819	4,539	4,629	4,557	4,674
American Indian/Alaskan Native	218	250	282	282	274	263	279	277	262
Black, non-Hispanic	2,036	2,058	2,139	2,229	2,210	2,008	2,058	1,994	2,073
Hispanic	2,134	2,281	2,258	2,251	2,335	2,268	2,292	2,286	2,339
White	35,409	34,972	35,077	34,007	32,324	31,287	30,490	29,839	30,374
Unknown race/ethnicity	892	1,020	976	1,214	1,472	1,592	2,236	2,231	2,213
Nonresident aliens ^b	1,081	1,118	1,128	1,147	1,176	1,251	1,144	1,127	1,086
Female	31,264	32,323	33,422	33,912	35,602	37,018	38,230	39,040	40,898
U.S. citizens and permanent residents ^a	30,734	31,809	32,896	33,276	34,920	36,213	37,453	38,191	40,007
Asian/Pacific Islander	2,854	3,030	3,347	3,644	4,004	4,584	4,729	4,922	5,182
Underrepresented minorities	4,489	4,912	5,167	5,239	5,375	5,625	5,745	5,945	6,206
American Indian/Alaskan Native	186	203	219	262	267	255	274	274	274
Black, non-Hispanic	2,621	2,847	3,014	3,081	3,082	3,182	3,313	3,318	3,418
Hispanic	1,682	1,862	1,934	1,896	2,026	2,188	2,158	2,353	2,514
White	22,830	23,207	23,692	23,544	24,384	24,734	25,122	25,459	26,720
Unknown race/ethnicity	561	660	690	849	1,157	1,270	1,857	1,865	1,899
Nonresident aliens ^b	530	514	526	636	682	805	777	849	891

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	30,757	31,250	32,114	33,566	35,772	36,634	36,441	36,295	37,356
U.S. citizens and permanent residents ^a	29,867	30,329	31,226	32,536	34,829	35,376	35,492	35,333	36,415
Asian/Pacific Islander	3,996	4,075	4,127	4,901	5,627	6,217	6,412	6,552	6,621
Underrepresented minorities	3,110	3,412	3,469	3,714	3,973	3,992	4,060	4,059	4,304
American Indian/Alaskan Native	124	166	197	209	221	218	267	225	219
Black, non-Hispanic	1,525	1,646	1,800	1,859	1,998	1,985	2,095	2,095	2,154
Hispanic	1,461	1,600	1,472	1,646	1,754	1,789	1,698	1,739	1,931
White	22,242	22,314	23,187	23,351	24,367	24,332	23,901	23,483	24,056
Unknown race/ethnicity	519	528	443	570	862	835	1,119	1,239	1,434
Nonresident aliens ^b	890	921	888	1,030	943	1,258	949	962	941
Male	17,975	17,927	18,308	18,784	19,260	19,340	18,712	18,352	18,245
U.S. citizens and permanent residents ^a	17,424	17,335	17,719	18,164	18,728	18,616	18,183	17,861	17,806
Asian/Pacific Islander	2,190	2,217	2,198	2,525	2,867	3,065	3,146	3,186	3,046
Underrepresented minorities	1,572	1,589	1,583	1,765	1,848	1,758	1,809	1,685	1,797
American Indian/Alaskan Native	65	94	121	114	114	124	142	110	107
Black, non-Hispanic	649	621	672	735	772	709	779	721	772
Hispanic	858	874	790	916	962	925	888	854	918
White	13,352	13,215	13,702	13,548	13,543	13,346	12,664	12,352	12,253
Unknown race/ethnicity	310	314	236	326	470	447	564	638	710
Nonresident aliens ^b	551	592	589	620	532	724	529	491	439
Female	12,782	13,323	13,806	14,782	16,512	17,294	17,729	17,943	19,111
U.S. citizens and permanent residents ^a	12,443	12,994	13,507	14,372	16,101	16,760	17,309	17,472	18,609
Asian/Pacific Islander	1,806	1,858	1,929	2,376	2,760	3,152	3,266	3,366	3,575
Underrepresented minorities	1,538	1,823	1,886	1,949	2,125	2,234	2,251	2,374	2,507
American Indian/Alaskan Native	59	72	76	95	107	94	125	115	112
Black, non-Hispanic	876	1,025	1,128	1,124	1,226	1,276	1,316	1,374	1,382
Hispanic	603	726	682	730	792	864	810	885	1,013
White	8,890	9,099	9,485	9,803	10,824	10,986	11,237	11,131	11,803
Unknown race/ethnicity	209	214	207	244	392	388	555	601	724
Nonresident aliens ^b	339	329	299	410	411	534	420	471	502

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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: 1995–2004

Citizenship and race/ethnicity	1995	1996	1997	1998	2000	2001	2002	2003	2004
All recipients	45,700	46,255	47,055	45,379	43,806	43,420	44,720	44,919	46,196
U.S. citizens and permanent residents ^a	44,979	45,544	46,289	44,626	42,891	42,622	43,748	43,905	45,160
Asian/Pacific Islander	2,281	2,438	3,107	2,646	2,562	2,734	2,749	2,790	2,868
Underrepresented minorities	5,767	6,089	6,377	6,287	6,221	6,172	6,314	6,443	6,576
American Indian/Alaskan Native	280	287	304	335	320	300	286	326	317
Black, non-Hispanic	3,132	3,259	3,353	3,451	3,294	3,205	3,276	3,217	3,337
Hispanic	2,355	2,543	2,720	2,501	2,607	2,667	2,752	2,900	2,922
White	35,997	35,865	35,582	34,200	32,341	31,689	31,711	31,815	33,038
Unknown race/ethnicity	934	1,152	1,223	1,493	1,767	2,027	2,974	2,857	2,678
Nonresident aliens ^b	721	711	766	753	915	798	972	1,014	1,036
Male	27,218	27,255	27,439	26,249	24,716	23,696	24,219	23,822	24,409
U.S. citizens and permanent residents ^a	26,688	26,729	26,900	25,722	24,072	23,169	23,604	23,186	23,762
Asian/Pacific Islander	1,233	1,266	1,689	1,378	1,318	1,302	1,286	1,234	1,261
Underrepresented minorities	2,816	3,000	3,096	2,997	2,971	2,781	2,820	2,872	2,877
American Indian/Alaskan Native	153	156	161	168	160	139	137	167	155
Black, non-Hispanic	1,387	1,437	1,467	1,494	1,438	1,299	1,279	1,273	1,301
Hispanic	1,276	1,407	1,468	1,335	1,373	1,343	1,404	1,432	1,421
White	22,057	21,757	21,375	20,459	18,781	17,941	17,826	17,487	18,121
Unknown race/ethnicity	582	706	740	888	1,002	1,145	1,672	1,593	1,503
Nonresident aliens ^b	530	526	539	527	644	527	615	636	647
Female	18,482	19,000	19,616	19,130	19,090	19,724	20,501	21,097	21,787
U.S. citizens and permanent residents ^a	18,291	18,815	19,389	18,904	18,819	19,453	20,144	20,719	21,398
Asian/Pacific Islander	1,048	1,172	1,418	1,268	1,244	1,432	1,463	1,556	1,607
Underrepresented minorities	2,951	3,089	3,281	3,290	3,250	3,391	3,494	3,571	3,699
American Indian/Alaskan Native	127	131	143	167	160	161	149	159	162
Black, non-Hispanic	1,745	1,822	1,886	1,957	1,856	1,906	1,997	1,944	2,036
Hispanic	1,079	1,136	1,252	1,166	1,234	1,324	1,348	1,468	1,501
White	13,940	14,108	14,207	13,741	13,560	13,748	13,885	14,328	14,917
Unknown race/ethnicity	352	446	483	605	765	882	1,302	1,264	1,175
Nonresident aliens ^b	191	185	227	226	271	271	357	378	389

^a Race/ethnicity categories are as designated on survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

^b Nonresident aliens include foreign citizens on temporary visas only.

NOTES: 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

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 2004). 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. The data on doctoral degrees were derived from the Survey of Earned Doctorates, which surveys all individuals earning research doctorates, rather than from the Completions Survey, which surveys the institutions awarding the doctorates. The Survey of Earned Doctorate 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. For a comparison of reporting on doctoral degrees in the Completions Survey and the Survey of Earned Doctorates, see *Science and Engineering Doctorates: 1960–91*, NSF 93-301, Detailed Statistical Tables (Washington, DC, 1993).

The race and ethnicity of U.S. citizens and permanent resident aliens who received degrees during the period 1995–2004 are reported. The following five racial/ethnic categories were the standard in federal government surveys of institutions in this reporting period:

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

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

Data on doctoral degrees in this report are reported using the term Alaska Native, rather than Alaskan Native, for the period 2001–04.

Asian or Pacific Islander—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.

For data on doctoral degrees in this report, Native Hawaiians and other Pacific Islanders are included within the category "Asian" for the period 1995–2000. For the period 2001–04, this group is included within 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).

Persons who are U.S. citizens or foreign citizens admitted for permanent residence are classified into the above categories. The ethnic category of 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. The nonresident aliens are not reported in the aforementioned racial/ethnic groups. The definition used in the survey is as follows:

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.

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 93 percent between 1995 and 2004. 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. Data on race/ethnicity of degree recipients were collected biennially by NCES for the Office of Civil Rights from 1987 through 1989 and have been collected annually since then.

In examining data on degrees awarded to minorities, it must be noted that 2–6 percent of all science and engineering degrees awarded in 1995–2004 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 detailed 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 1995–2004 the Survey of Earned Doctorates was funded jointly by the National Science Foundation (NSF) and five other federal agencies: the U.S. Department of Education, the National Institutes of Health, the National Endowment for the Humanities, the National Aeronautics and Space Administration, and the U.S. Department of Agriculture.

The survey collects information during 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.

Approximately 92 percent of the doctorate recipients complete and return the survey forms. For nonrespondents, commencement programs constitute a source of skeletal information on a few variables that is added to the data file. These variables are sex, field of study, institution, year of doctorate, and educational background.

Nonresponse for race/ethnicity is not imputed for individuals, but the percentage unknown has been low (around 1–2 percent of those with known citizenship; citizenship was unknown for 2–5 percent of degree recipients). Because changes in nonresponse do exist, small changes in numbers should be interpreted with caution. Data are also updated annually from completed survey forms received late, so numbers may change very slightly in each edition.

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	
01.05	Taxidermy/taxidermists	005	Animal breeding/genetics
01.08	Agriculture extension/communications	007	Animal husbandry
01.09	Animal sciences	010	Animal nutrition
01.10	Food sciences/technology	012	Dairy science
01.11	Plant sciences	014	Poultry science
01.12	Soil sciences	019	Animal sciences, other
01.99	Agriculture/agricultural sciences, other	020	Agronomy/crop science
03.01	Natural resources conservation	025	Agricultural/horticultural plant breeding/genetics
03.02	Natural resources management/protective services	030	Plant pathology/phytopathology
03.03	Fishing and fisheries sciences/management	032	Plant protection/pest management
03.05	Forestry/forest management	039	Plant sciences, other
03.06	Wildlife/wildlands management	040	Food sciences
03.99	Natural resources conservation, other	042	Food distribution
26.0707	Agricultural animal physiology	043	Food science
		044	Food sciences/technology, other
		045	Soil sciences
		046	Soil chemistry/microbiology
		049	Soil sciences, other
		050	Horticulture science
		054	Fish and wildlife
		055	Fishing and fisheries sciences/management
		060	Wildlife management
		065	Forestry science
		066	Forest sciences/biology
		068	Forest engineering
		070	Forest management/resources
		072	Wood science and pulp/paper technology
		074	Natural resources conservation, other
		079	Forestry and related sciences, other
		080	Wildlife/range management
		081	Environmental science
		098	Agricultural science, general
		099	Agricultural science, other
		580	Environmental science
Biological Sciences		Biological Sciences	
19.0505	Food systems administration	100	Biochemistry
26.01	Biology, general	103	Biomedical sciences
26.0202	Biochemistry	105	Biophysics
26.0203	Biophysics	107	Biotechnology research
26.0204	Molecular biology	110	Bacteriology
26.0209	Radiation biology/radiobiology	115	Plant genetics
26.03	Botany/plant biology	120	Plant pathology/phytopathology
26.0401	Cell/cellular biology and histology	125	Plant physiology
26.0403	Anatomy	129	Botany/plant biology
26.0405	Neurosciences	130	Anatomy
26.05	Microbiology/bacteriology	133	Biometrics/biostatistics
26.0504	Virology	136	Cell/cellular biology and histology
26.0505	Parasitology	139	Ecology
26.0599	Immunology	140	Hydrobiology
26.07	Zoology	142	Developmental biology/embryology
26.08	Genetics, plant/animal	145	Endocrinology
26.09	Medical neurobiology	148	Entomology
26.0910	Pathology	151	Biological immunology
26.10	Pharmacology/toxicology	154	Molecular biology
26.1101	Biometrics	156	Microbiology/bacteriology
26.1102	Biostatistics	157	Microbiology
26.12	Biotechnology research	160	Neuroscience
26.13	Ecology	163	Nutritional sciences
26.1302	Marine/aquatic biology	166	Parasitology
26.1303	Evolutionary biology	169	Toxicology
26.99	Biological sciences/life sciences, other	170	Genetics, human/animal
30.10	Biopsychology	171	Genetics
30.19	Nutritional sciences	175	Pathology, human/animal
30.24	Neuroscience	180	Pharmacology, human/animal

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
		185	Physiology, human/animal
		186	Animal/plant physiology
		189	Zoology, other
		198	Biology/biological sciences, general
		199	Biology/biomedical sciences, other
Computer sciences		Computer sciences	
11.01	Computer/information sciences, general	400	Computer science
11.02	Computer programming	410	Information science/systems
11.03	Data processing technology/technician	419	Computer/information science, other
11.04	Information sciences/systems		
11.05	Computer systems analysis		
11.07	Computer science		
11.08	Web page design, computer graphics, database management		
11.09	Computer systems networking and telecommunications		
11.10	System administration, networking, management		
11.99	Computer/information sciences, other		
Earth, atmospheric, and ocean sciences		Earth, atmospheric, and ocean sciences	
Atmospheric sciences		Atmospheric sciences	
40.0401	Atmospheric sciences/meteorology, general	510	Atmospheric chemistry/climatology
40.0402	Atmospheric chemistry/climatology	512	Atmospheric physics/dynamics
40.0403	Atmospheric physics/dynamics	514	Meteorology
40.0404	Meteorology	518	Atmospheric science/meteorology, general
40.0499	Atmospheric science/meteorology, other	519	Atmospheric science/meteorology, other
Earth sciences		Earth sciences	
40.0601	Geology	540	Geology
40.0602	Geochemistry	542	Geochemistry
40.0603	Geophysics/seismology	544	Geophysics/seismology
40.0604	Paleontology	545	Geophysics (solid earth)
40.0605	Hydrology/water resources sciences	546	Paleontology
40.0606	Geochemistry/petrology	548	Mineralogy/petrology
40.0699	Geological and related sciences, other	549	Mineralogy, petrology, geochemistry
		550	Stratigraphy/sedimentation
		552	Geomorphology/glacial geology
		554	Applied geology
		555	Applied geology/geological engineering
		558	Geological/earth sciences, general
		559	Geological/earth sciences, other
		585	Hydrology/water resources
Oceanography		Oceanography	
40.0607	Oceanography	590	Oceanography
		595	Marine sciences
		599	Ocean/marine sciences, other
Mathematics		Mathematics	
27.01	Mathematics, general	420	Applied mathematics
27.03	Applied mathematics	425	Algebra
27.05	Mathematical statistics	430	Analysis/functional analysis
27.99	Mathematics/statistics, other	435	Geometry/geometric analysis
52.1302	Business statistics	440	Logic
52.1304	Actuarial science	445	Number theory
		450	Mathematical statistics
		455	Topology
		460	Computing theory/practice
		465	Operations research
		498	Mathematics/statistics, general
		499	Mathematics/statistics, other
Physical sciences		Physical sciences	
Astronomy		Astronomy	
40.0201	Astronomy	500	Astronomy
40.0202	Astrophysics	505	Astrophysics
40.0299	Astronomy/astrophysics, other	506	Astronomy/astrophysics
Chemistry		Chemistry	
40.0501	Chemistry, general	520	Analytical chemistry
40.0502	Analytical chemistry	521	Agricultural/food chemistry
40.0503	Inorganic chemistry	522	Inorganic chemistry

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
40.0504	Organic chemistry	524	Nuclear chemistry
40.0506	Physical/theoretical chemistry	526	Organic chemistry
40.0507	Polymer chemistry	528	Medicinal/pharmaceutical chemistry
40.0508	Chemical physics	530	Physical chemistry
40.0599	Chemistry, other	532	Polymer chemistry
51.2004	Medicinal/pharmaceutical chemistry	534	Theoretical chemistry
		538	Chemistry, general
		539	Chemistry, other
Physics		Physics	
40.0801	Physics, general	560	Acoustics
40.0802	Chemical and atomic/molecular physics	561	Chemical and atomic/molecular physics
40.0804	Elementary particle physics	562	Electron physics
40.0805	Plasma/high-temperature physics	563	Electromagnetism
40.0806	Nuclear physics	564	Elementary particle physics
40.0807	Optics/optical sciences	565	Biophysics
40.0808	Solid state/low-temperature physics	566	Fluids
40.0809	Acoustics	567	Mechanics
40.0810	Theoretical/mathematical physics	568	Nuclear physics
40.0899	Physics, other	569	Optics/photonics
		570	Plasma/high-temperature physics
		572	Polymer physics
		573	Thermal physics
		574	Solid state/low-temperature physics
		575	Theoretical physics
		576	Applied physics
		578	Physics, general
		579	Physics, other
Other physical sciences		Other physical sciences	
40.01	Physical sciences, general	599	Physical sciences, other
40.99	Physical sciences, other		
Psychology		Psychology	
42.01	Psychology, general	600	Clinical psychology
42.02	Clinical psychology	603	Cognitive psychology/psycholinguistics
42.03	Cognitive psychology/psycholinguistics	606	Comparative psychology
42.04	Community psychology	609	Counseling psychology
42.05	Comparative psychology	612	Developmental/child psychology
42.06	Counseling psychology	613	Human development/family studies
42.07	Developmental/child psychology	615	Experimental psychology
42.08	Experimental psychology	616	Experimental, comparative, physiological psychology
42.09	Industrial/organizational psychology	618	Educational psychology
42.10	Personality psychology	619	Human engineering
42.11	Physiological psychology/psychobiology	620	Family psychology
42.16	Social psychology	621	Industrial/organizational psychology
42.19	Psychometrics	624	Personality psychology
42.20	Clinical child psychology	627	Physiological psychology/psychobiology
42.21	Environmental psychology	630	Psychometrics
42.22	Geropsychology	633	Quantitative psychology
42.23	Health/medical psychology	636	School psychology
42.24	Psychopharmacology	639	Social psychology
42.25	Family psychology	648	Psychology, general
42.26	Forensic psychology	649	Psychology, other
42.99	Psychology, other		
51.1507	Psychoanalysis		
51.3603	Hypnotherapy		
Social sciences		Social sciences	
Economics		Economics	
01.0103	Agricultural economics	000	Agricultural economics
45.06	Economics	666	Economics
		668	Econometrics
Political science		Political science	
44.04	Public administration	674	International relations/affairs
44.05	Public policy analysis	678	Political science/government
44.99	Public administration/services, other	679	Political science/public administration
45.09	International relations/affairs	682	Public policy analysis
45.10	Political science/government	976	Public administration

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
Sociology		Sociology	
45.05	Demography/population studies	662	Demography/population studies
45.11	Sociology	686	Sociology
Other social sciences		Other social sciences	
05	Area, ethnic, cultural, gender studies	650	Anthropology
16.0102	Linguistics	652	Area studies
30.1101	Gerontology	658	Criminology
30.1501	Science, technology, society	670	Geography
30.1701	Behavioral sciences	690	Statistics
30.2001	International/global studies	694	Urban affairs/studies
30.2301	Intercultural/multicultural and diversity studies	698	Social sciences, general
45.01	Social sciences, general	699	Social sciences, other
45.02	Anthropology	710	History/philosophy of science and technology
45.03	Archeology	729	Linguistics
45.04	Criminology	770	American studies
45.07	Geography	773	Archeology
45.10	Canadian government/politics		
45.12	Urban affairs/studies		
45.99	Social sciences/history, other		
53.3201	Bioethics/medical ethics		
54.0000	Social sciences/history		
54.0404	History/philosophy of science and technology		
Engineering		Engineering	
Aeronautical/astronautical engineering		Aeronautical/astronautical engineering	
14.02	Aerospace, aeronautical, astronautical engineering	300	Aerospace, aeronautical, astronautical engineering
Chemical engineering		Chemical engineering	
14.07	Chemical engineering	312	Chemical engineering
14.25	Petroleum engineering	366	Petroleum engineering
14.32	Polymer/plastics engineering	369	Polymer/plastics engineering
		547	Fuel technology/petroleum engineering
Civil engineering		Civil engineering	
14.04	Architectural engineering	315	Civil engineering
14.08	Civil engineering	336	Environmental health engineering
14.14	Environmental/environmental health engineering		
Electrical engineering		Electrical engineering	
14.09	Computer engineering	318	Communications engineering
14.10	Electrical, electronics, communications engineering	321	Computer engineering
14.38	Surveying engineering	322	Electrical engineering
		323	Electronics engineering
		324	Electrical, electronics, communications engineering
Mechanical engineering		Mechanical engineering	
14.11	Engineering mechanics	327	Engineering mechanics
14.19	Mechanical engineering	345	Mechanical engineering
Materials/metallurgical engineering		Materials/metallurgical engineering	
14.06	Ceramic sciences/engineering	309	Ceramic sciences
14.18	Materials engineering	342	Materials science
14.20	Metallurgical engineering	348	Metallurgical engineering
14.31	Materials science		
Other engineering		Other engineering	
14.01	Engineering, general	303	Agricultural engineering
14.03	Agricultural engineering	306	Bioengineering/biomedical engineering
14.05	Bioengineering/biomedical engineering	330	Engineering physics
14.12	Engineering physics	333	Engineering science
14.13	Engineering science	351	Mining/mineral engineering
14.15	Geological engineering	354	Naval architecture/marine engineering
14.16	Geophysical engineering	357	Nuclear engineering
14.21	Mining/mineral engineering	360	Ocean engineering
14.22	Naval architecture/marine engineering	363	Operations research
14.23	Nuclear engineering	372	Systems engineering
14.24	Ocean engineering	375	Textile engineering
14.27	Systems engineering	398	Engineering, general
14.28	Textile sciences/engineering	399	Engineering, other
14.29	Engineering design		

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
14.34	Forest engineering		
14.37	Operations research		
14.39	Geological engineering		
14.99	Engineering, other		
45.0702	Cartography		
Non-science and engineering		Non-science and engineering	
Education		Education	
13	Education	800	Curriculum/instructions
31.05	Health/physical education	805	Education administration/supervision
39.0401	Religious education	806	Education leadership
42.1701	School psychology	810	Education/instructional media design
42.1801	Educational psychology	815	Education statistics/research methods
51.0913	Athletic training/trainer	820	Education assessment/testing/measures
		822	Educational psychology (see also 618)
		825	School psychology (see also 636)
		830	Social/philosophical foundations of education
		835	Special education
		840	Counseling education/counseling and guidance services
		845	Education evaluation/research
		850	Pre-elementary/early childhood teacher education
		852	Elementary teacher education
		854	Junior high teacher education
		856	Secondary teacher education
		858	Adult/continuing teacher education
		861	Art education
		862	Business education
		864	English education
		866	Foreign languages education
		867	Physical education, health, recreation
		870	Home economics education
		876	Music education
		880	Physical education/coaching
		882	Reading education
		886	Speech education
		888	Trade/industrial education
		889	Teacher education, specific academic/vocational programs, other
		898	Education, general
		899	Education, other
Health		Health	
Medical sciences		Medical sciences	
51	Health professions/related clinical sciences	205	Dentistry
60.01	Dentistry	210	Environmental health
60.02	Medicine/surgery	215	Public health
60.03	Veterinary medicine	219	Public health/epidemiology
26.0503	Medical microbiology/bacteriology	220	Epidemiology
26.0988	Medical physiology	225	Medicine/surgery
		235	Optometry/ophthalmology
		240	Pharmacy
		250	Veterinary science
		Other health sciences	
		200	Speech/language pathology and audiology
		212	Health systems/services administration
		224	Hospital administration
		230	Nursing
		245	Rehabilitation/therapeutic services
		298	Health sciences, general
		299	Health sciences, other
Humanities		Humanities	
English/literature		English/literature	
16.0104	Comparative literature	720	Classics
16.1200	Classics/languages	723	Comparative literature
23	American/English languages, literatures	725	English/American literature
		732	Literature, American
		733	Literature, English
		734	English language
		736	Speech/rhetorical studies

TABLE B-1. Fields of study classification

IPEDS Completion Survey		Survey of Earned Doctorates	
		738	Letters, general
		739	Letters, other
Foreign languages/literatures		Foreign languages/literatures	
16	Foreign languages/literatures	740	French
		743	German
		746	Italian
		749	Spanish
		752	Russian
		755	Slavic (other than Russian)
		758	Chinese
		762	Japanese
		765	Hebrew
		768	Arabic
		769	Other languages/literature
History		History	
54	History	700	History, American
		705	History, European
		718	History, general
		719	History, other
Religion/theology		Religion/theology	
38.02	Religious studies	790	Religion (see also 984)
39	Theology/ministries	791	Religion/theology
		984	Theology/religious education (see also 790)
Other humanities		Other humanities	
24	Liberal arts/other humanities	785	Philosophy (see also 440)
38.01	Philosophy	798	Humanities, general
50	Visual/performing arts	799	Humanities, other
Professional fields		Professional fields	
Business/management		Business/management	
01.01	Agricultural business/management	002	Agricultural business/management
01.03	Agricultural production operations	900	Accounting
01.05	Agricultural/domestic animal services	905	Banking/financial support services
01.06	Horticultural operations	910	Business administration/management
14.3701	Operations research	915	Business/managerial economics
52	Business, management, marketing, related support services	917	Management information systems/business data processing
		920	Marketing management/research
		925	Business statistics
		930	Operations research (see also 363, 465)
		935	Organizational behavior (see also 621)
		938	Business management/administrative services, general
		939	Business management/administrative services, other
Information fields (journalism, broadcasting, librarianship)		Information fields (journalism, broadcasting, librarianship)	
09	Communications	940	Communications research
10	Communications technologies	945	Journalism
25	Library science	947	Mass communications
		950	Radio/television
		957	Communication theory
		958	Communications, general
		959	Communications, other
		972	Library science
Other professional fields		Other professional fields	
04	Architecture/related programs	964	Home economics
12	Personal/culinary services	968	Law
15	Engineering-related technologies	974	Parks/recreation/leisure/fitness
19	Home economics/family studies	980	Social service professions
22	Law and legal studies	988	Professional fields, general
28	Reserve officer training corps (ROTC)	989	Professional fields, other
29	Military technologies	999	Other fields
30	Multi-/interdisciplinary studies		
31	Parks/recreation/leisure/fitness		
32	Basic skills		
33	Citizenship activities		
34	Health related knowledge/skills		
35	Interpersonal/social skills		

TABLE B-1. Fields of study classification

	IPEDS Completion Survey	Survey of Earned Doctorates
36	Personal awareness/self-improvement	
41	Science technologies	
43	Protective services	
44	Public administration/social services professions	
46	Construction trades	
47	Mechanic/repair technologies	
48	Precision production trades	
49	Transportation/materials moving workers	

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