

Women, Minorities, and Persons with Disabilities in Science and Engineering



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2009 Science and Engineering



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About This Report

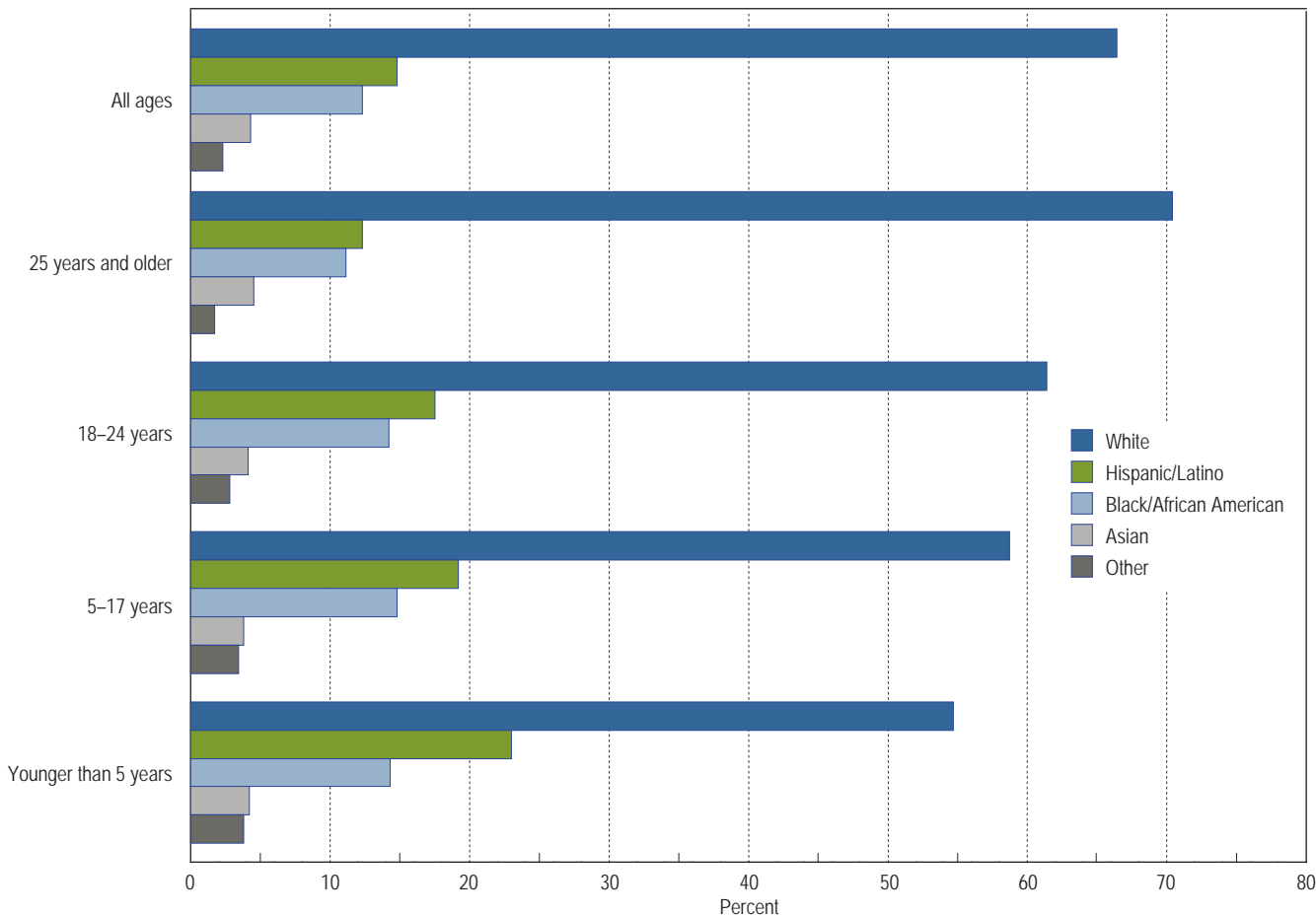
Women, Minorities, and Persons with Disabilities in Science and Engineering provides statistical information about the participation of women, minorities, and persons with disabilities in science and engineering education and employment. Its primary purpose is to serve as an information source; it offers no endorsement of or recommendations about policies or programs. National Science Foundation reporting on this topic is mandated by the Science and Engineering Equal Opportunities Act (Public Law 96-516).

This Web site (<http://www.nsf.gov/statistics/wmpd/>) contains charts and data tables organized by topic (e.g., undergraduate enrollment, graduate degrees, employment) and also by group (e.g., Hispanics, minority women, persons with disabilities). The charts contain bulleted information describing key points. This report is a dynamic Web-based information source with data updated as they become available. Tables and figures in the report

are current as of the Web release date, which appears at the bottom of each table and figure. Presentation slides, which are charts in PowerPoint, graphic, and spreadsheet formats, are provided for easy downloading. A complete update of the report is issued every 2 years for transmittal to Congress and federal agency heads.

The site also provides links to NSF and external analyses on these topics. Links for related NSF reports can be found at <http://www.nsf.gov/statistics/wmpd/related.htm>. Links to external reports on these topics and additional data sources (e.g., National Center for Education Statistics, American Council on Education) can be found at <http://www.nsf.gov/statistics/wmpd/addition.htm>. The Technical Notes section <http://www.nsf.gov/statistics/wmpd/technotes.htm> provides information on racial/ethnic and disability reporting categories, on the primary NSF and non-NSF sources of the data, and on sampling errors.

FIGURE A-1. Resident population of United States, by race/ethnicity and age: 2006



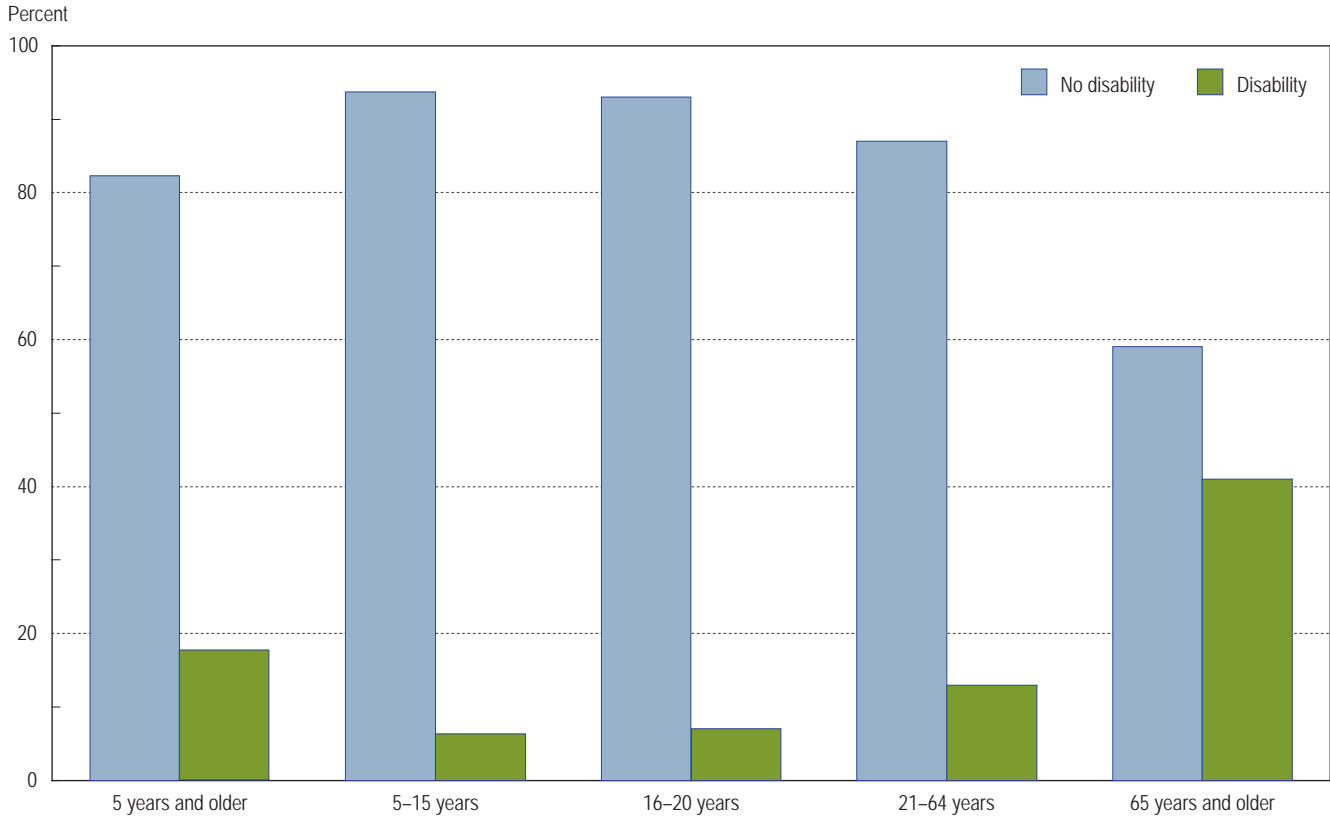
NOTES: Hispanics may be of any race. Other includes American Indians/Alaska Natives, Native Hawaiians/Other Pacific Islanders, and multiple race.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Digest of Education Statistics*, 2007, table 16, derived from U.S. Department of Commerce, Census Bureau, Population Estimates, from http://www.census.gov/popest/national/asrh/2006_nat_res.html.

Blacks and Hispanics are a larger percentage of young people in the United States than they are of older age groups.

- Blacks and Hispanics were 12% and 15%, respectively, of the U.S. population in 2006.
- They were 15% and 19%, respectively of the school age population (5–17 years) and 14% and 18%, respectively, of the college age population (18–24 years).
- Asians were roughly 4% of the population among all age groups.

FIGURE A-2. U.S. civilian noninstitutionalized population 5 years old and older, by disability status and age: 2006

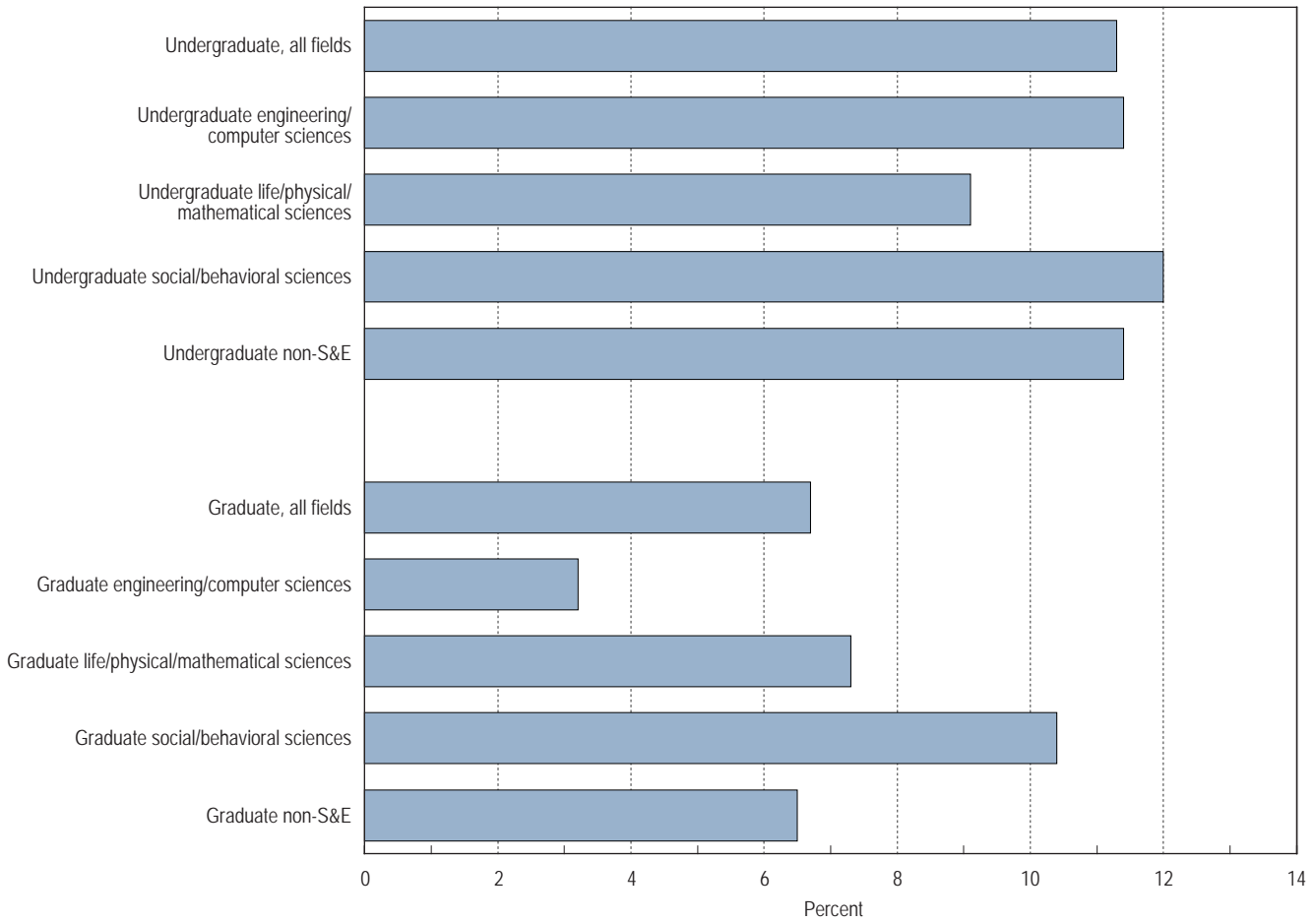


SOURCE: U.S. Bureau of the Census, 2003 American Community Survey Summary Tables, <http://www.census.gov/hhes/www/disability/2006acs.html>.

Persons with disabilities are a higher percentage of the older U.S. population than of younger age groups.

- Eighteen percent of the U.S. population ages 5 years and older have some disability.
- Forty-one percent of those ages 65 years and older have disabilities, compared with 6% of those ages 5–15, 7% of those ages 16–20, and 13% of the working age (21–64) population.

FIGURE B-1. Students with disabilities as a percentage of undergraduate and graduate students, by field: 2004



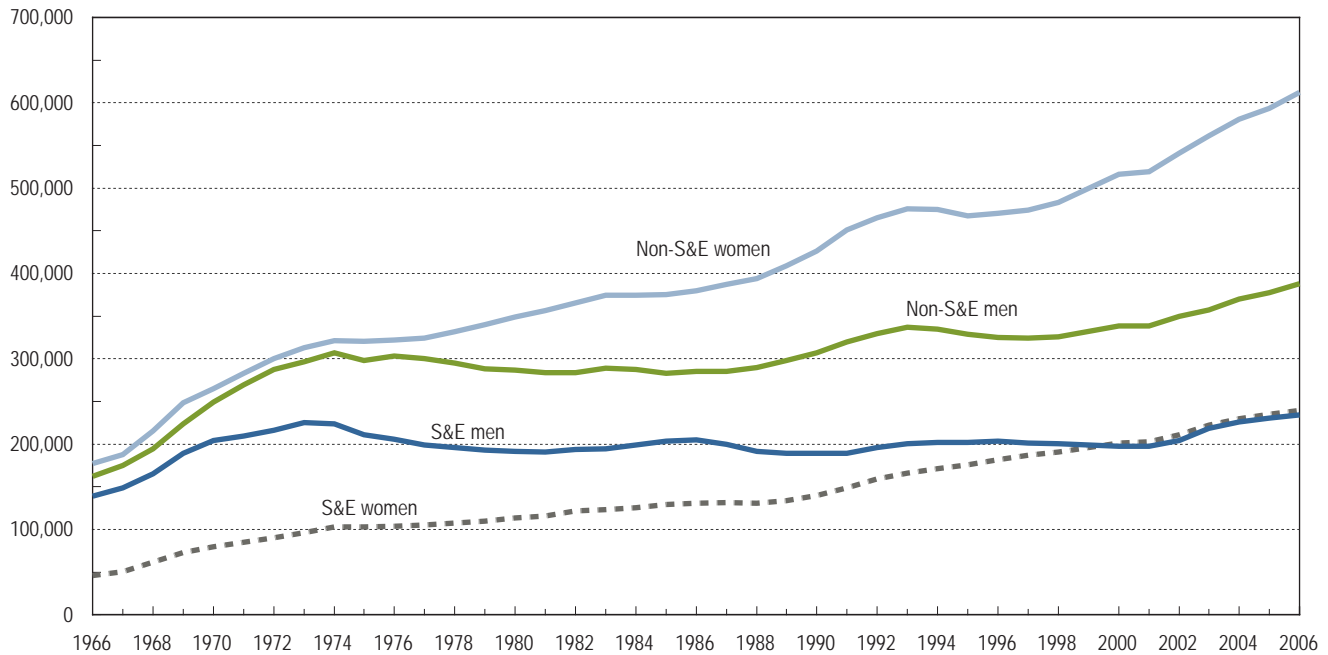
SOURCE: U.S. Department of Education, National Center for Education Statistics, 2003–04 National Postsecondary Student Aid Study (NPSAS:04).

Students with disabilities were a higher percentage of undergraduate than of graduate students in 2004.

- Among undergraduates, students with disabilities were roughly 11% of students in most fields.
- Among graduate students, students with disabilities were roughly 7% of students in most fields.
- Students with disabilities were a slightly higher percentage of social and behavioral sciences graduate students (10%) and a slightly lower percentage of engineering and computer sciences graduate students (3%) than of graduate students in other fields.

FIGURE C-1. Bachelor's degrees awarded in S&E and non-S&E fields, by sex: 1966–2006

Number of degrees



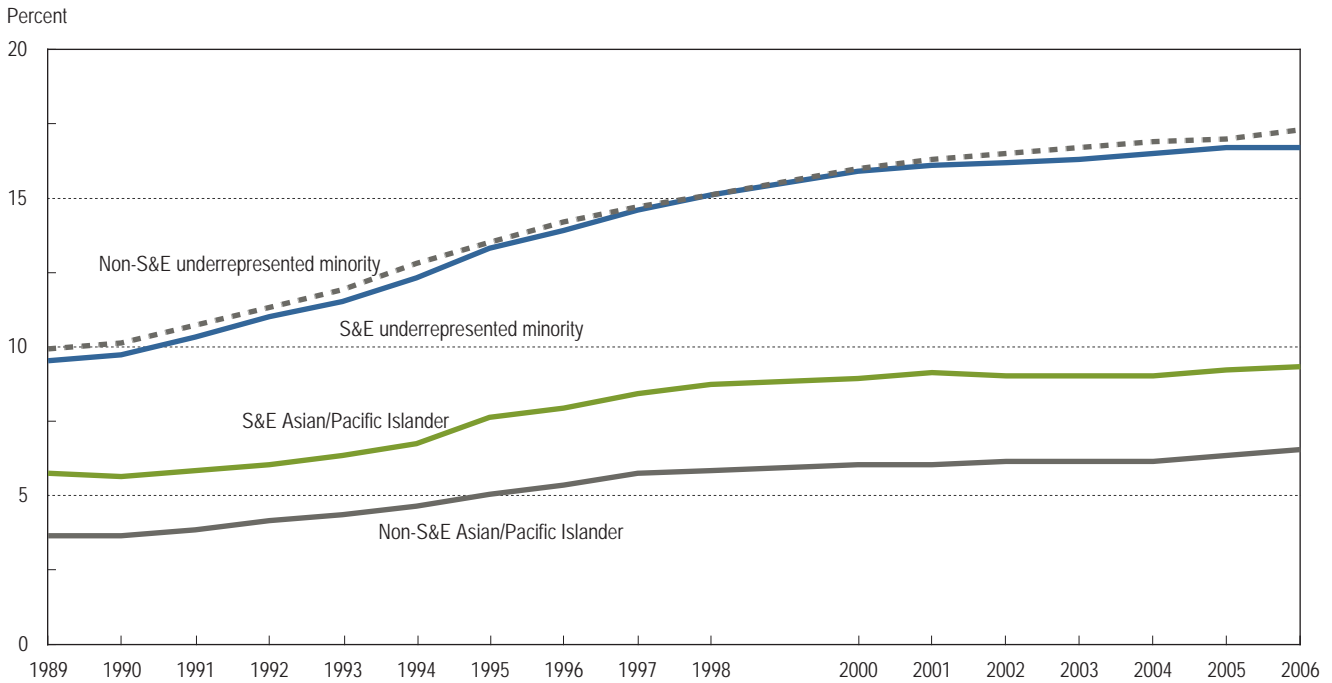
NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1966–2006.

Women and men have earned approximately the same number of S&E bachelor's degrees since 2000.

- The number of S&E bachelor's degrees earned by women has increased almost every year since 1966, reaching 239,273 in 2006.
- The number of bachelor's degrees in S&E earned by men fluctuated around 200,000 from 1976 to about 2002 and increased since then, reaching 234,260 in 2005.
- The number of non-S&E bachelor's degrees awarded to women is substantially higher than those awarded to men and is substantially higher than the number of S&E bachelor's degrees to either men or women.

FIGURE C-2. Minority share of S&E and non-S&E bachelor's degrees: 1989–2006



NOTES: Underrepresented minority refers to blacks, Hispanics, and American Indians/Alaska Natives. Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Data not available for 1999.

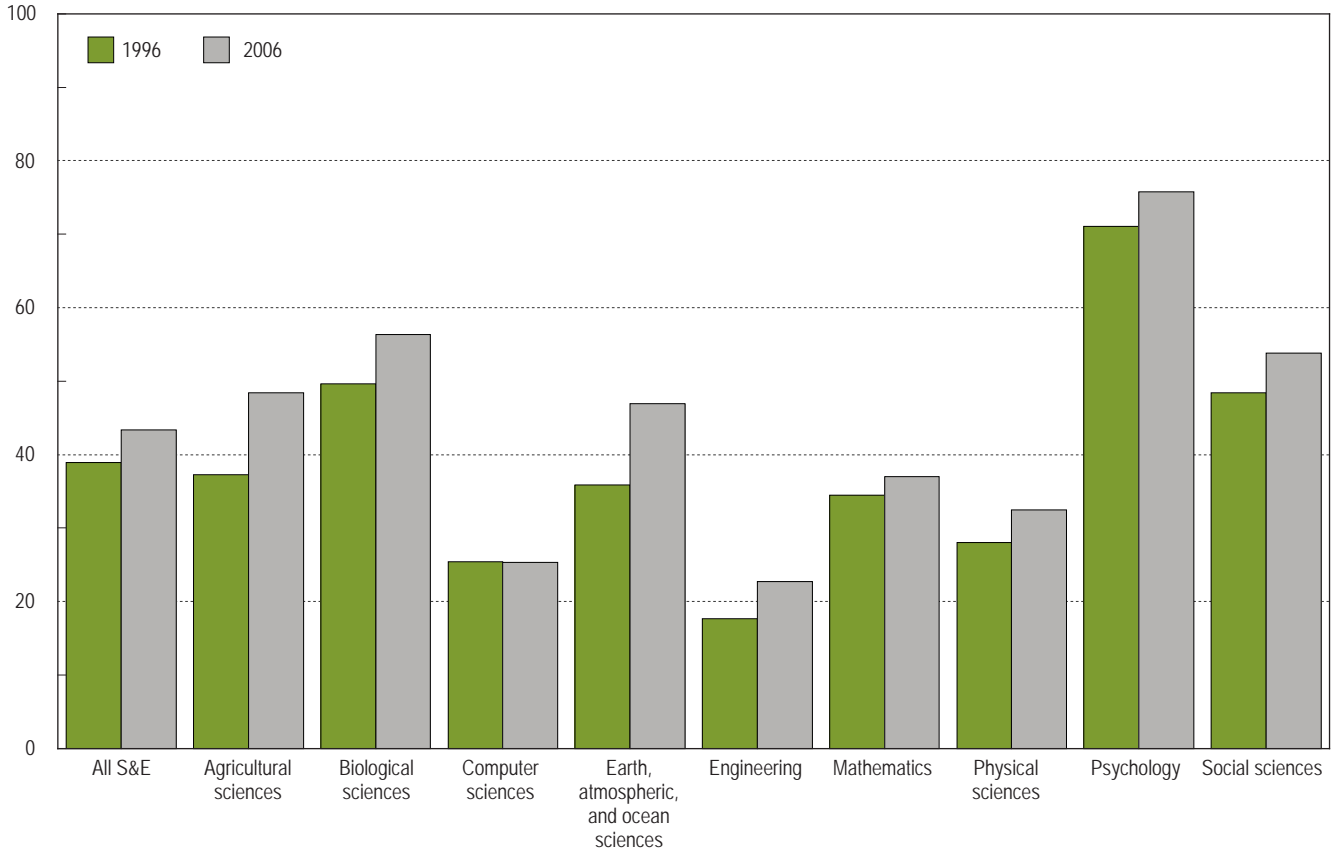
SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1989–2006.

Minorities earned an increasing share of S&E and non-S&E bachelor's degrees from 1989 to 2006.

- Underrepresented minorities (blacks, Hispanics, and American Indians/Alaska Natives as a group) earned 17% of both S&E and non-S&E bachelor's degrees in 2006, up from 10% in 1989.
- Asians/Pacific Islanders earned 9% of S&E bachelor's degrees and 7% of non-S&E bachelor's degrees in 2006, up from 6% and 4%, respectively, in 1989.

FIGURE D-1. Female share of S&E graduate students, by field: 1996 and 2006

Percent

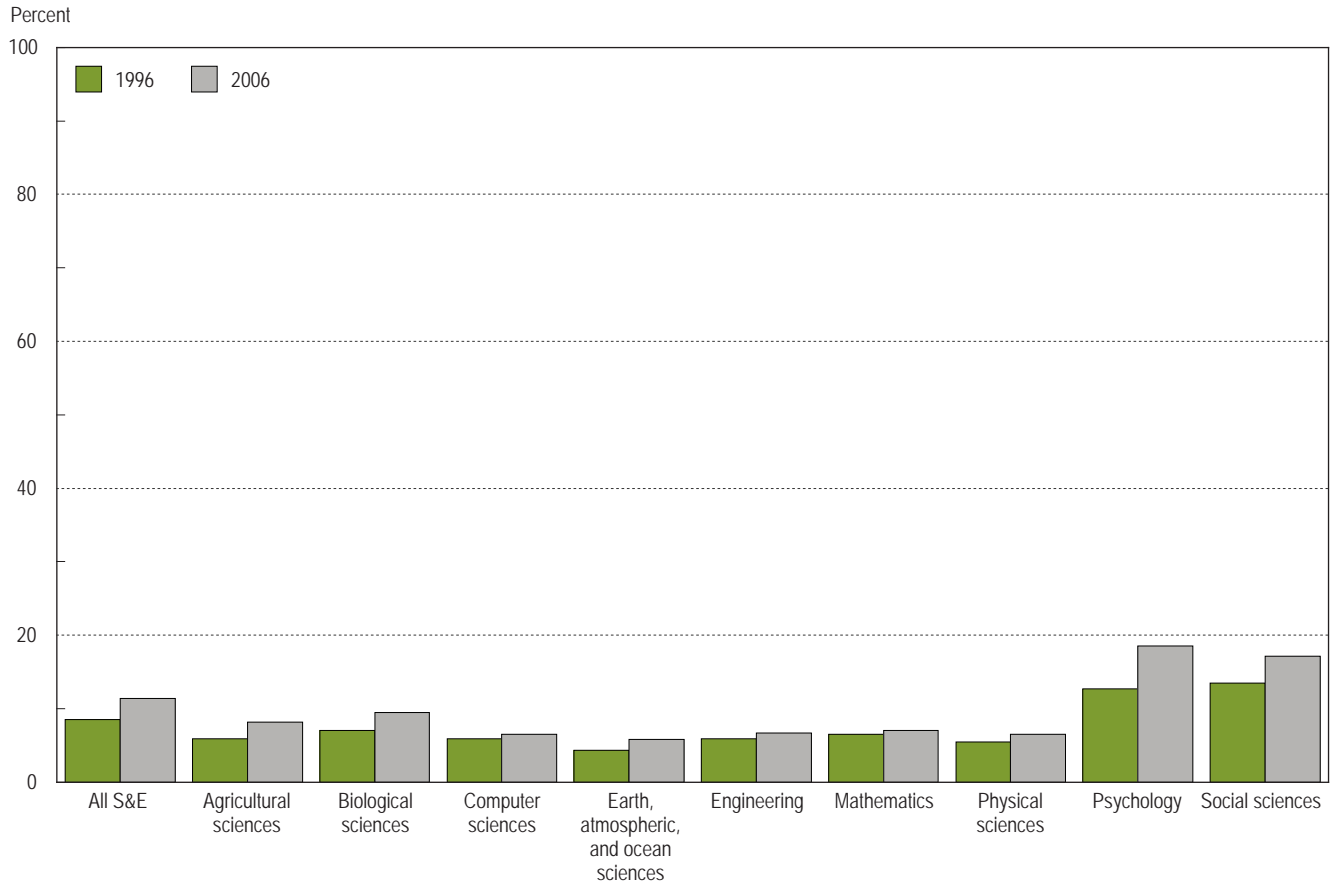


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1996 and 2006.

Women constituted a greater percentage of graduate students in S&E in 2006 (43%) than in 1996 (39%).

- Women accounted for more than half of all graduate students in some science fields. In 2006, women made up 76% of the graduate students in psychology, 56% in biological sciences, and 54% in social sciences.
- Women accounted for 23% of graduate students in engineering and 25% in computer sciences in 2006.
- Roughly 30%–45% of the graduate students in most other science fields were female.
- From 1996 to 2006, women's share of S&E graduate students increased in every field but computer sciences.

FIGURE D-2. Underrepresented minority share of S&E graduate students, by field: 1996 and 2006

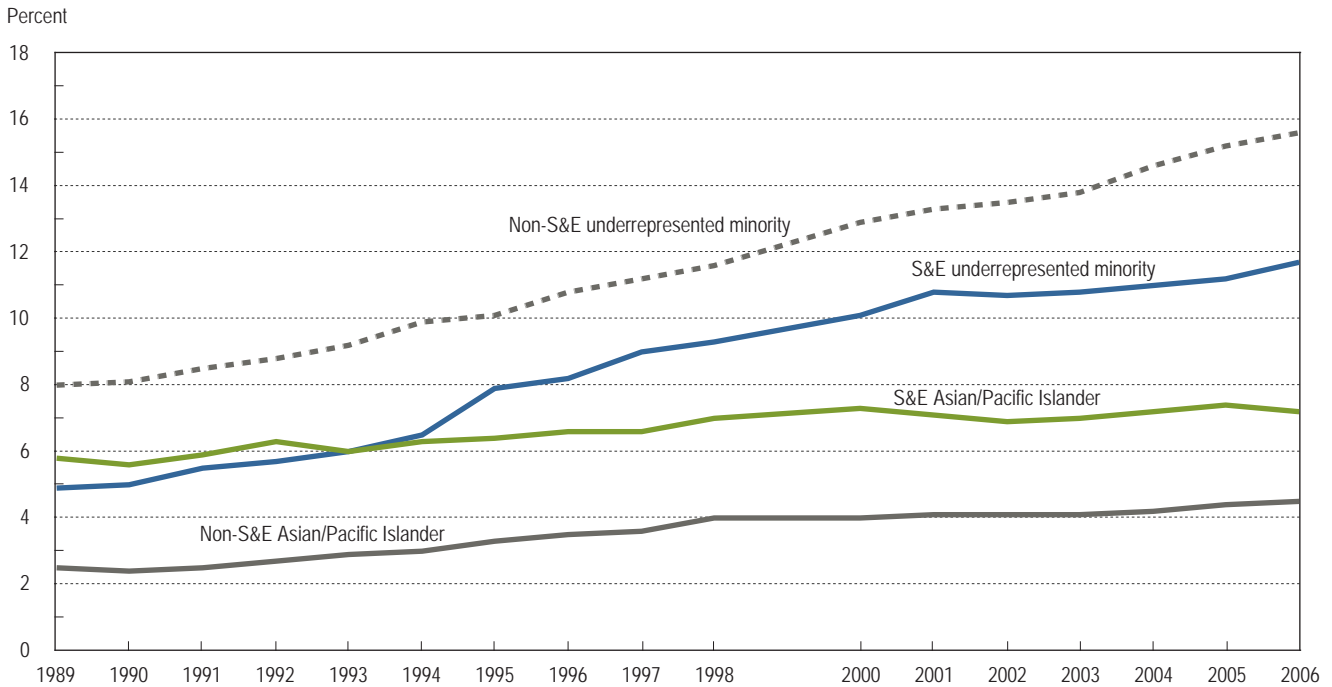


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1996 and 2006.

Underrepresented minorities (blacks, Hispanics, and American Indians/Alaska Natives) increased their share of S&E graduate students somewhat from 1996 to 2006 (from 9% to 11%), but their overall participation remained low.

- Only in psychology and the social sciences did underrepresented minorities' participation exceed 10% in either year. These were also the two fields with the largest increases in the percent of underrepresented minorities.
- Participation rates in other fields ranged from a low of 5.8% in earth, atmospheric & ocean sciences to a high of 9.5% in the biological sciences.
- These graduate study participation rates are well below the 17% share of S&E baccalaureate degrees earned by underrepresented minorities in 2006.

FIGURE E-1. Minority share of S&E and non-S&E master's degrees: 1989–2006



NOTES: Underrepresented minority refers to blacks, Hispanics, and American Indians/Alaska Natives. Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Data not available for 1999.

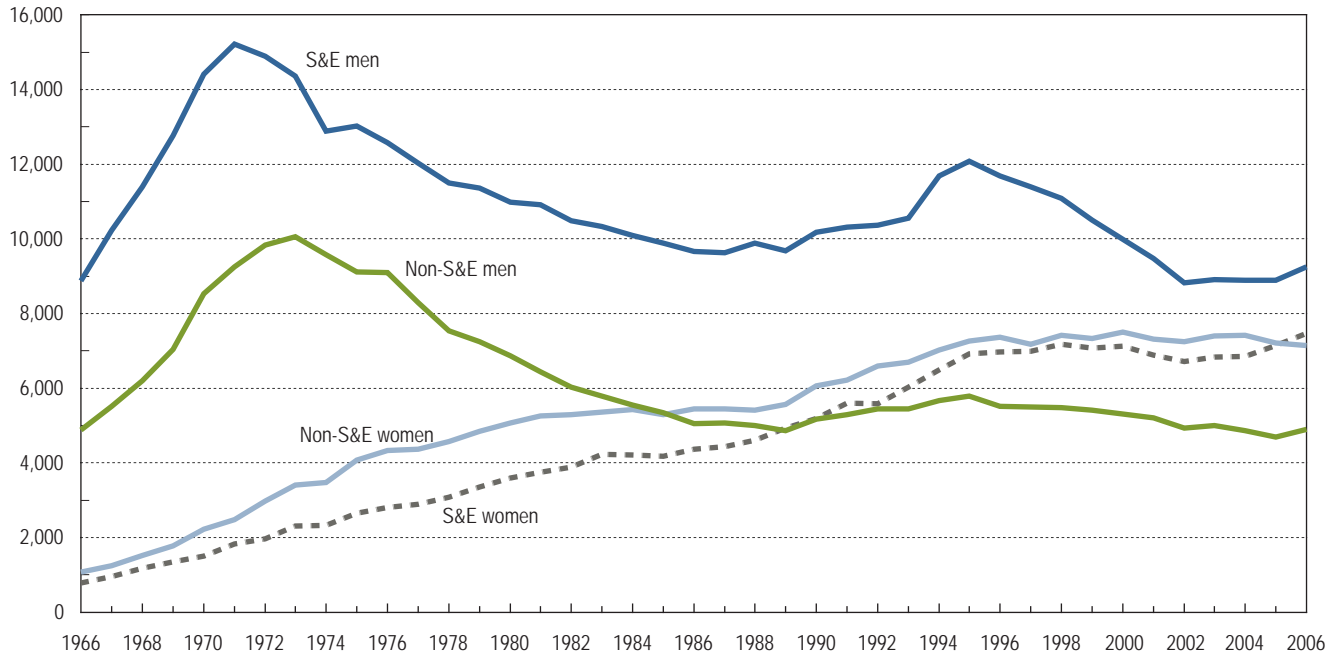
SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1989-2006.

Minorities earned an increasing share of S&E and non-S&E master's degrees from 1989 to 2006.

- Underrepresented minorities (blacks, Hispanics, and American Indians/Alaska Natives) earned 12% of S&E master's degrees in 2006, up from 5% in 1989.
- Underrepresented minorities earned a higher proportion of non-S&E than of S&E master's degrees.
- Asians/Pacific Islanders earned a higher proportion of S&E than of non-S&E master's degrees.
- Asians/Pacific Islanders earned 7% of S&E master's degrees in 2006, up from 6% in 1989.

FIGURE F-1. Doctoral degrees awarded in S&E and non-S&E fields to U.S. citizens and permanent residents, by sex: 1966–2006

Number of degrees



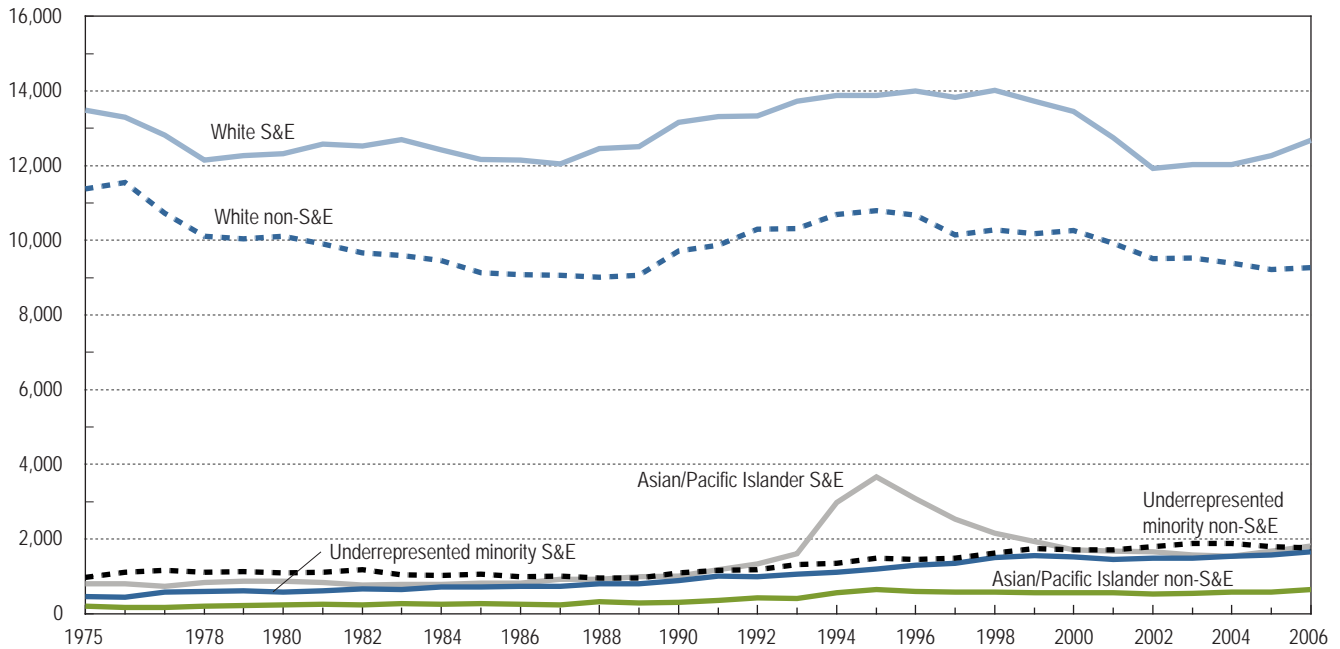
SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1966–2006.

Doctoral degrees to female U.S. citizens and permanent visa holders rose over three decades, in sharp contrast to the downward trend for men, then flattened after 1995.

- Degrees earned by men rose strongly until the early 1970s, dropped until the late 1980s, and dropped again after 1995.
- Degrees earned by women increased through most of the period until flattening from the mid-1990s onward.
- In 2006, women earned 45% of S&E and 59% of non-S&E doctoral degrees awarded to U.S. citizens and permanent residents, up from 8% and 18%, respectively, in 1966.

FIGURE F-2. Doctoral degrees awarded in S&E and non-S&E fields to U.S. citizens and permanent residents, by race/ethnicity: 1975–2006

Number of degrees



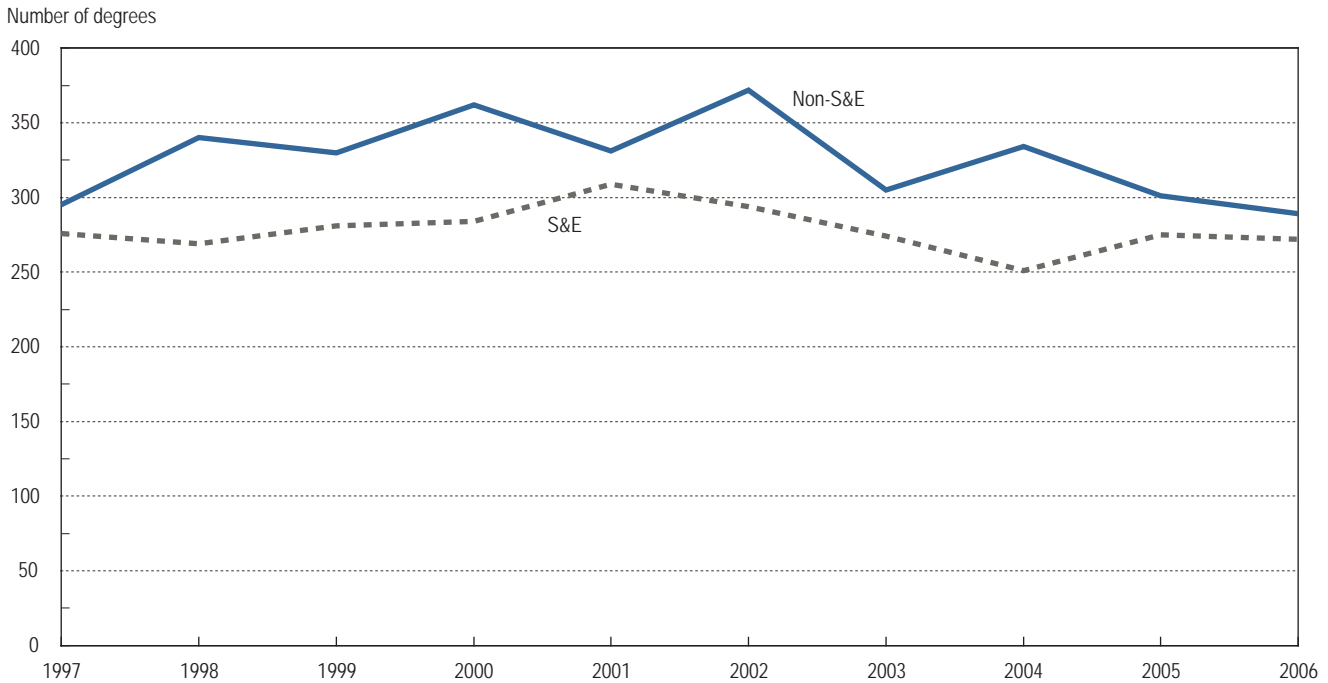
NOTE: The increase in Asian/Pacific Islanders in the mid-1990s is a result of the Chinese Student Protection Act of 1992 which made thousands of students from the People's Republic of China enrolled in U.S. universities eligible to apply for permanent resident visas.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1975–2006.

The number of S&E and non-S&E doctoral degrees awarded to U.S. citizen and permanent resident underrepresented minorities (blacks, Hispanics, and American Indians/Alaska Natives) increased over the past three decades but remains a small proportion of the total.

- The number of underrepresented minority U.S. citizen and permanent residents earning S&E doctoral degrees increased from 458 in 1975 to 1,661 in 2006.
- Underrepresented minorities earned slightly higher numbers of non-S&E than of S&E doctoral degrees and whites and Asian/Pacific Islanders earned higher numbers of S&E than of non-S&E doctoral degrees.
- Asians/Pacific Islanders earned 1,811 S&E doctorates in 2006, approximately 11% of the 16,712 S&E doctorates to U.S. citizens and permanent residents.
- Underrepresented minorities earned approximately 10% of S&E doctorates to U.S. citizens and permanent residents in 2006, up from 3% in 1975.

FIGURE F-3. Doctoral degrees awarded in S&E and non-S&E fields to U.S. citizens and permanent residents with disabilities: 1997–2006

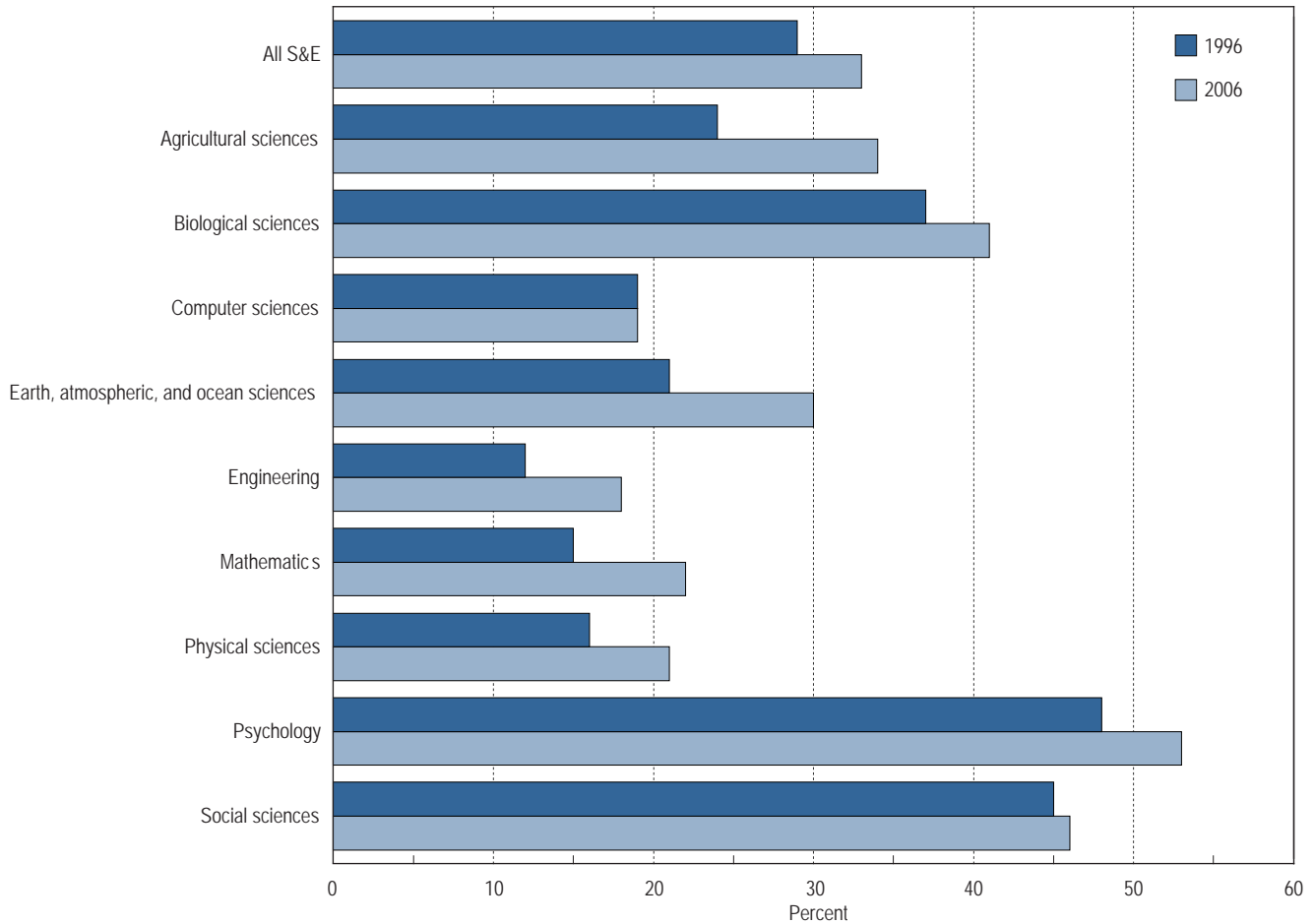


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2006.

The number of S&E and non-S&E doctoral degrees awarded to U.S. citizens and permanent residents with disabilities was about the same in 2006 as in 1997.

- U.S. citizens and permanent residents with disabilities earned 272 S&E doctorates in 2006, with numbers fluctuating between 251 and 309 over the 1997–2006 period.
- They earned from 289 to 372 non-S&E doctorates during that period.
- Persons with disabilities earned approximately 2% of the 16,712 S&E doctorates to U.S. citizens and permanent residents in 2006.

FIGURE G-1. Female share of S&E postdoctoral fellows, by field: 1996 and 2006

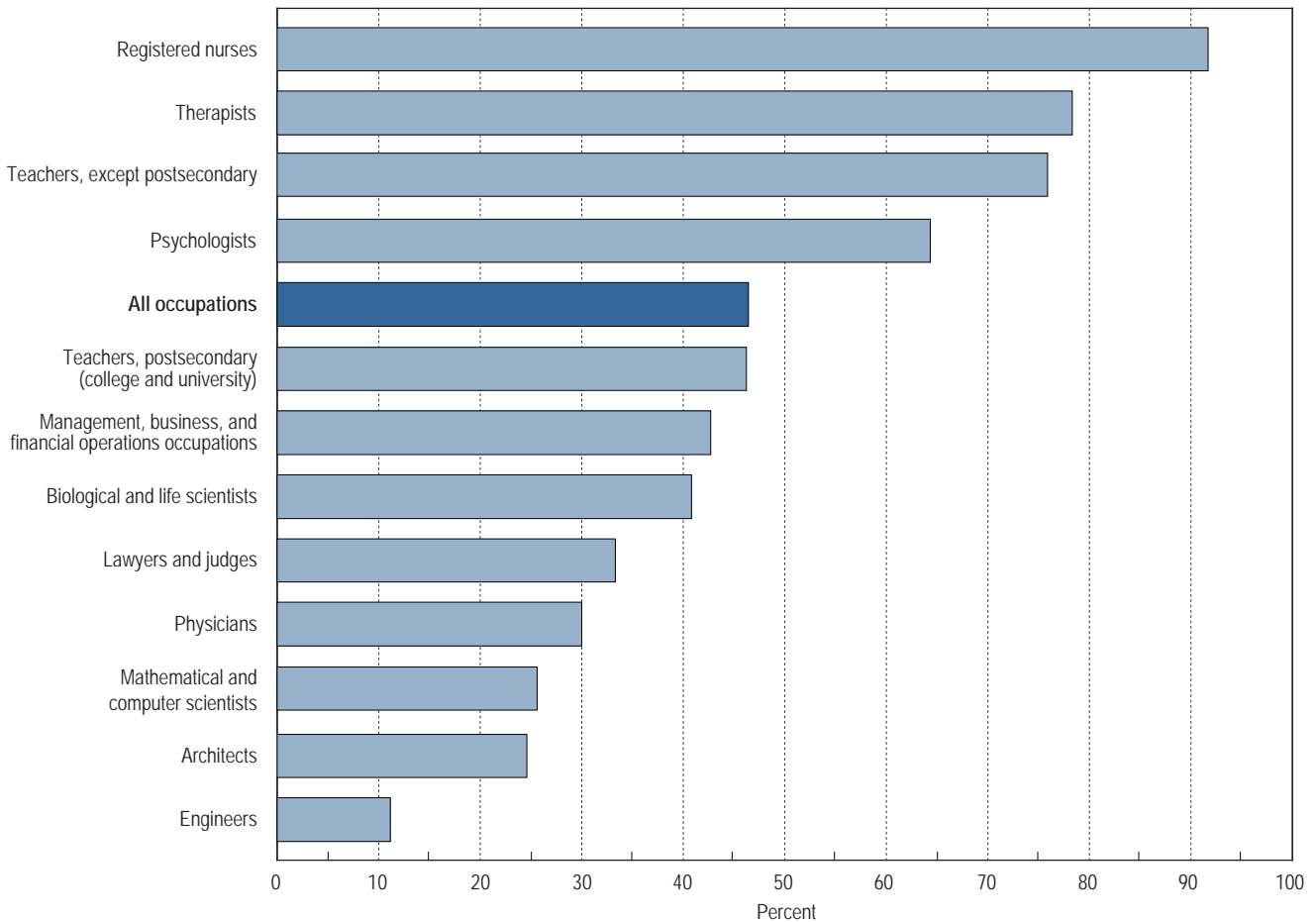


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1996 and 2006.

Women accounted for a rising share of postdocs in all fields except computer sciences and in 2006 represented one-third of all S&E postdocs, up from 29% in 1996.

- More than half (53%) of psychology postdocs, 46% of social sciences postdocs, and 41% of biological sciences postdocs were women.
- Fewer than 25% of postdocs in computer sciences, engineering, mathematics, and physical sciences were women.

FIGURE H-1. Employed women 16 years and older as a percentage of selected occupations: 2007



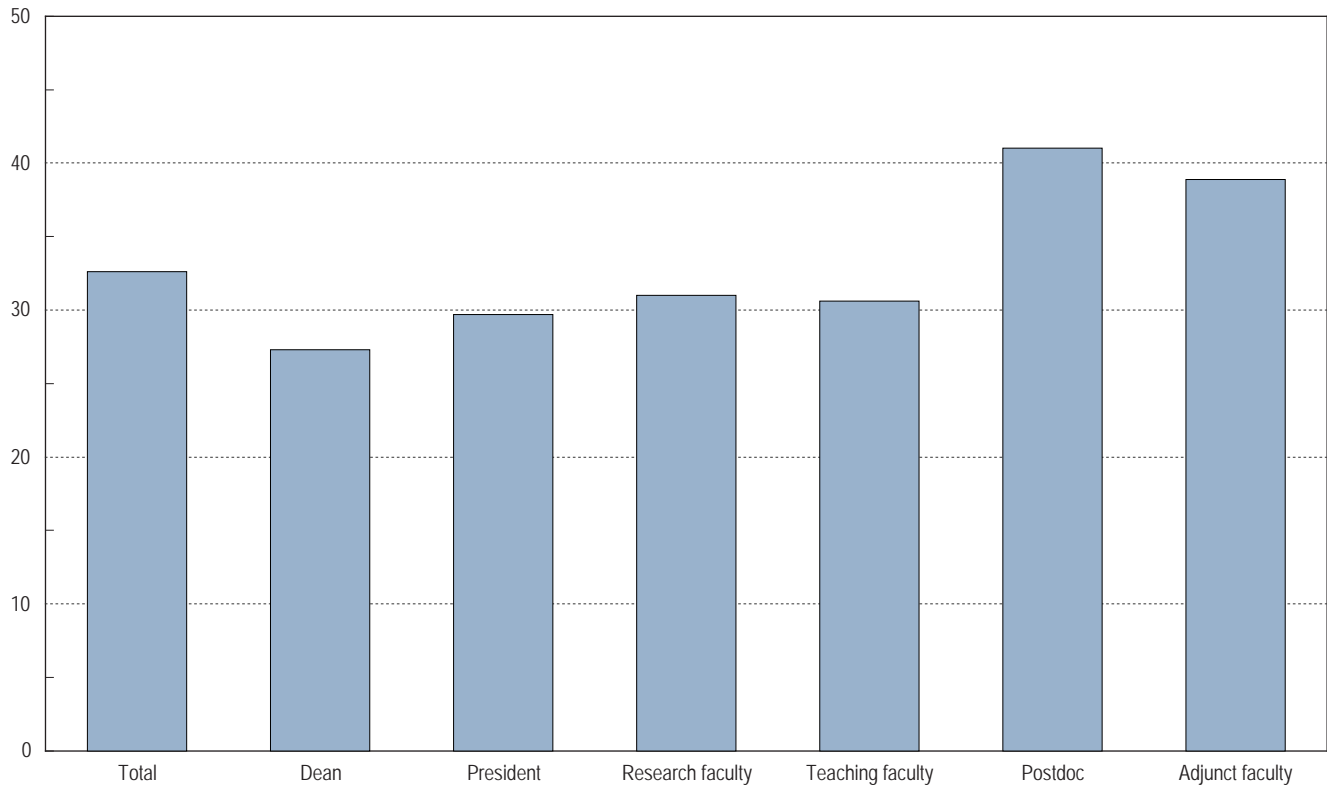
SOURCE: Bureau of Labor Statistics, Current Population Survey, 2007.

In 2007, women continue to constitute the vast majority of those employed in traditionally female occupations.

- More than three-quarters of registered nurses, therapists, and non-postsecondary teachers were female.
- Women were about half of people employed in all occupations and half of postsecondary teachers, one-third of lawyers and judges, and 30% of physicians.
- In science and engineering occupations, women were 64% of psychologists, 41% of biological and life scientists, 26% of mathematical and computer scientists, and 11% of engineers.

FIGURE H-2. Science and engineering doctorate holders employed in 4-year colleges or universities who are women, by type of position: 2006

Percent

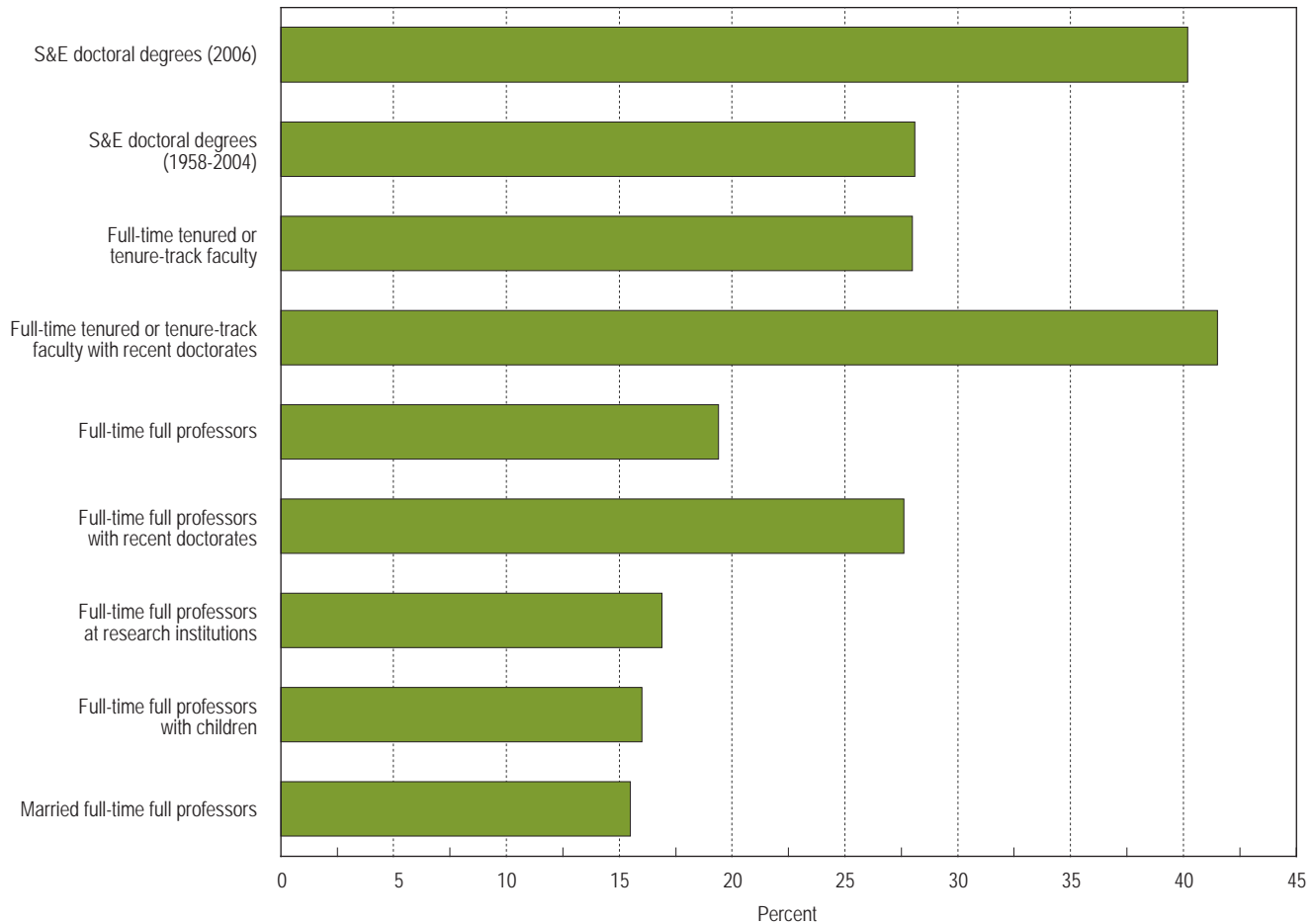


SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients: 2006.

Among science and engineering doctorate holders in academia, women were higher fractions of people employed in temporary positions than of those in top leadership positions in 2006.

- Women were 39% of science and engineering doctorate holders with adjunct faculty positions and 41% of those with postdoc positions in 2006.
- They were 27% of deans and 30% of presidents of colleges and universities.

FIGURE H-3. Women as a percentage of S&E doctoral degrees, full-time full professors, and full-time tenure-track faculty: 2006



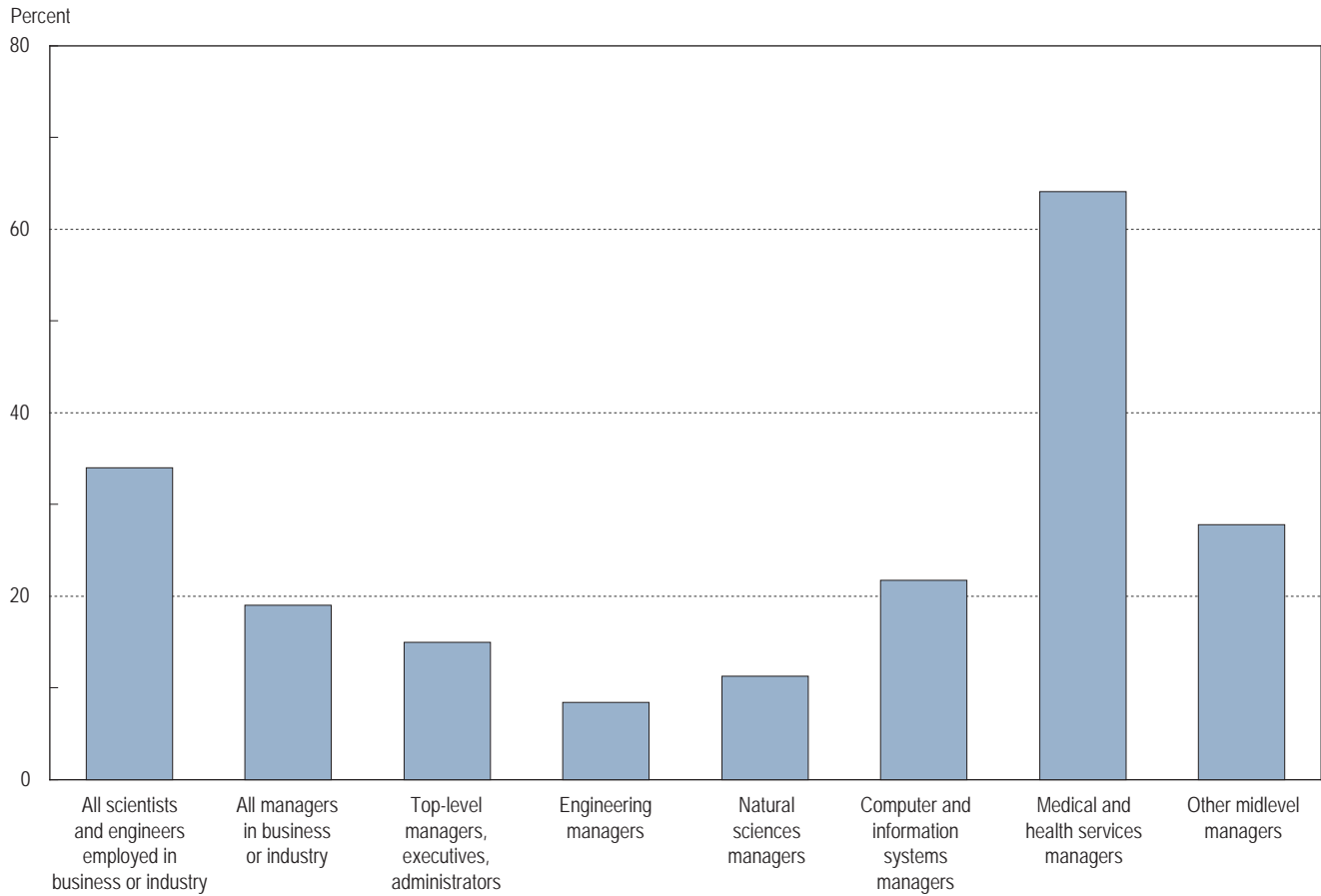
NOTES: Academic employment is limited to U.S. S&E doctorate holders employed at 2- or 4-year colleges or universities and does not include postdocs. For tenure or tenure-track faculty, “recent” doctorates refers to those earned within the previous 7 years. For full-time full professors, “recent” doctorates refers to those earned between 11 and 15 years prior to the survey.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients: 2006.

Women’s share of faculty with S&E doctorates is influenced by long-term trends in S&E doctoral degree production and differs by recency of degree, marital status, and presence of children in the home.

- In 2006, women were the same percentage of full-time tenured and tenure-track faculty as they were of S&E doctorate degree earners from 1958 to 2004.
- Women were a lower percentage of full-time full professors in 2006 than of S&E doctorate earners in 1958–2004.
- Women were a lower percentage of full-time full professors with children and a lower percentage of married full-time full professors than of all full-time full professors in 2006.

FIGURE H-4. Women scientists and engineers and managers in business or industry: 2006

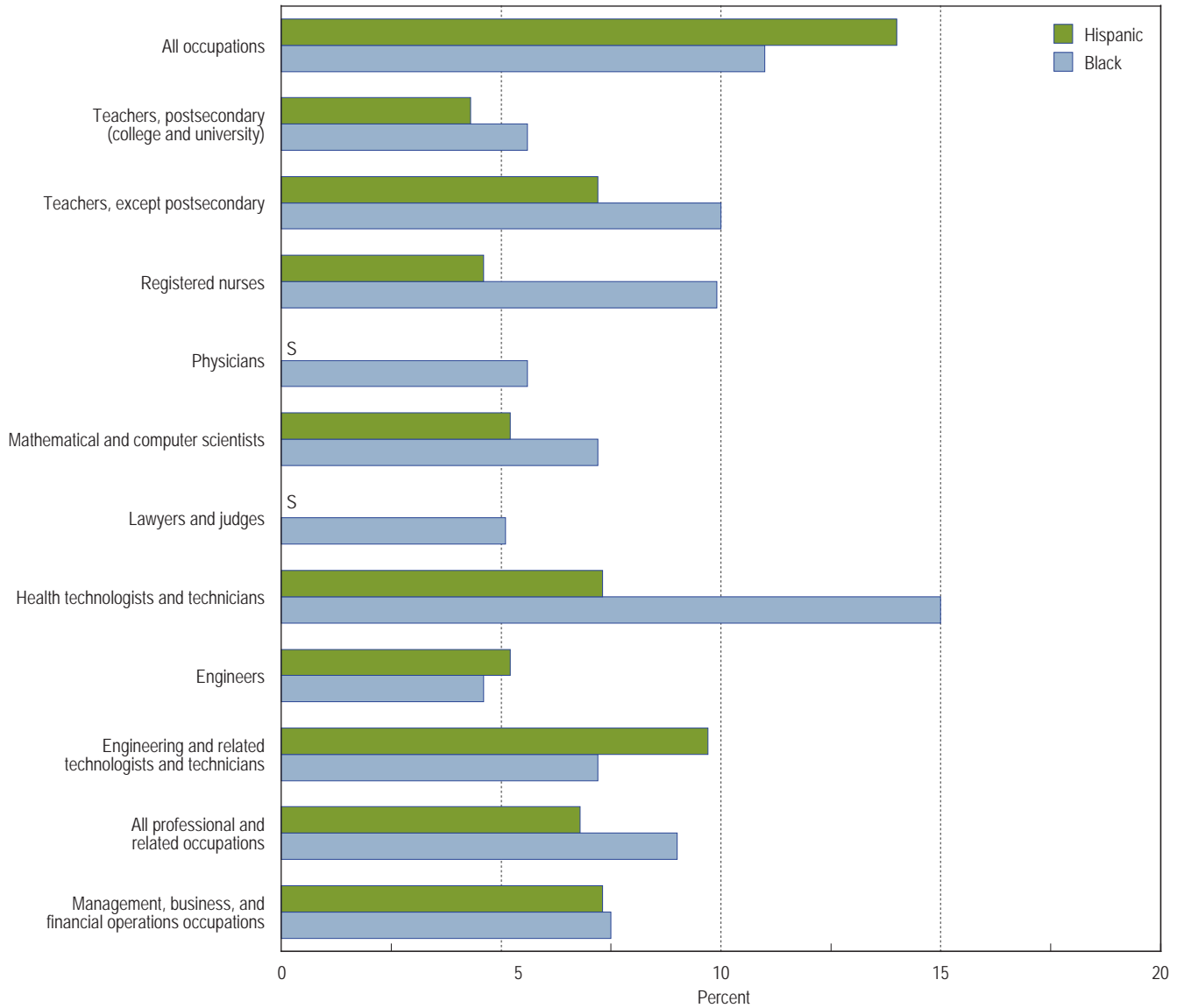


SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Women were a lower percentage of scientists and engineers who were managers than of all scientists and engineers employed in business or industry in 2006.

- Women were 19% of all managers and 15% of top-level managers in business or industry compared with 34% of all scientists and engineers in business or industry in 2006.
- Women were 8% of engineering managers and 11% of natural sciences managers.
- Only in medical and health services were women more than half of managers.

FIGURE H-5. Percentage of employed persons 16 years and older who are black or Hispanic, by selected occupation: 2007



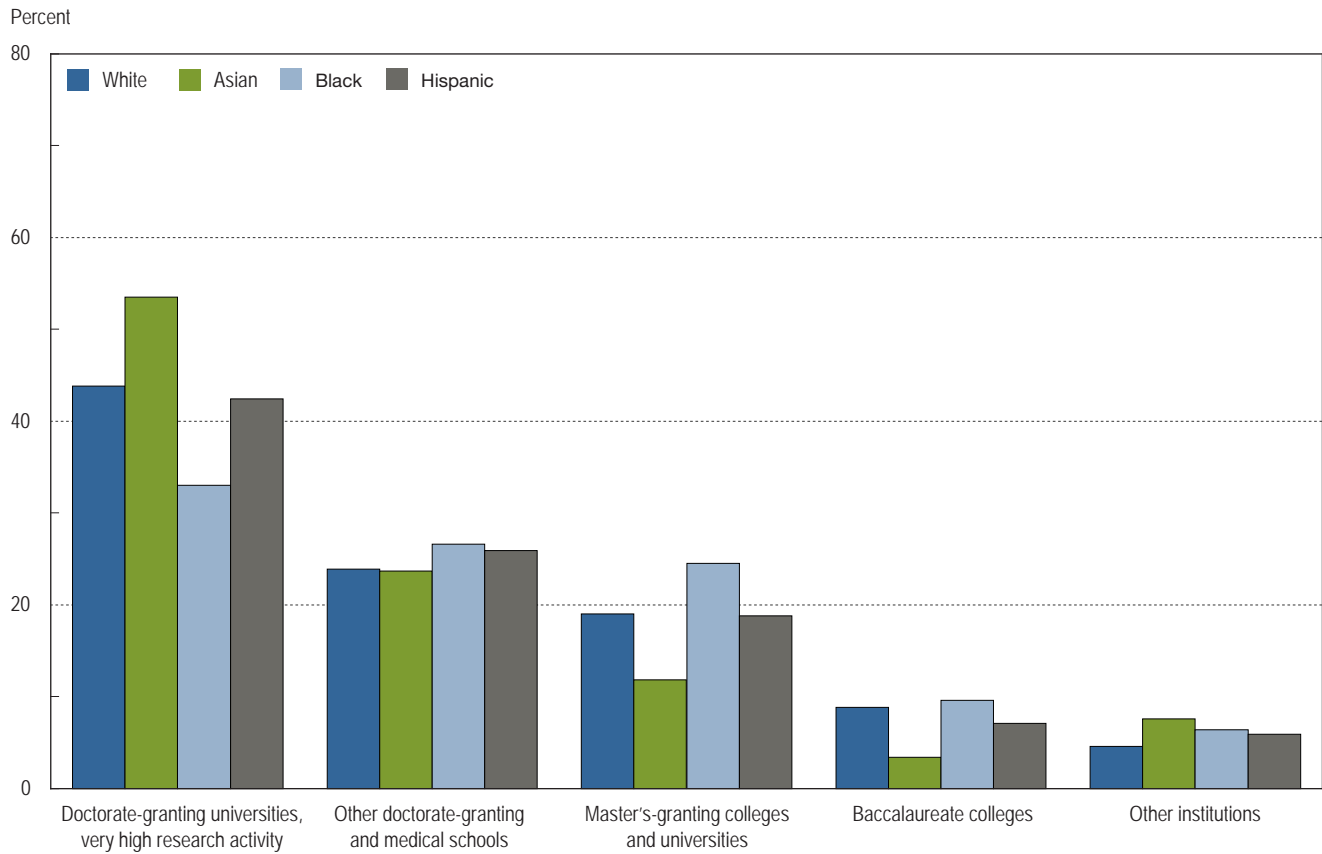
S = suppressed because fewer than 50,000 weighted cases.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 2007.

In 2007, blacks and Hispanics were lower percentages of professional and related occupations (including scientists and engineers) than of all occupations.

- Hispanics were 14% and blacks were 11% of all occupations in 2007.
- Hispanics were 4%–5% of mathematical and computer scientists, engineers, and postsecondary teachers.
- Blacks were 7% or less of postsecondary teachers, engineers, engineering technologists and technicians, and mathematical and computer scientists. They were also 6% or less of lawyers and judges and physicians but were 15% of health technologists and technicians.

FIGURE H-6. Distribution of S&E doctorate holders employed in 4-year colleges and universities among Carnegie classification of institution, by race/ethnicity: 2006



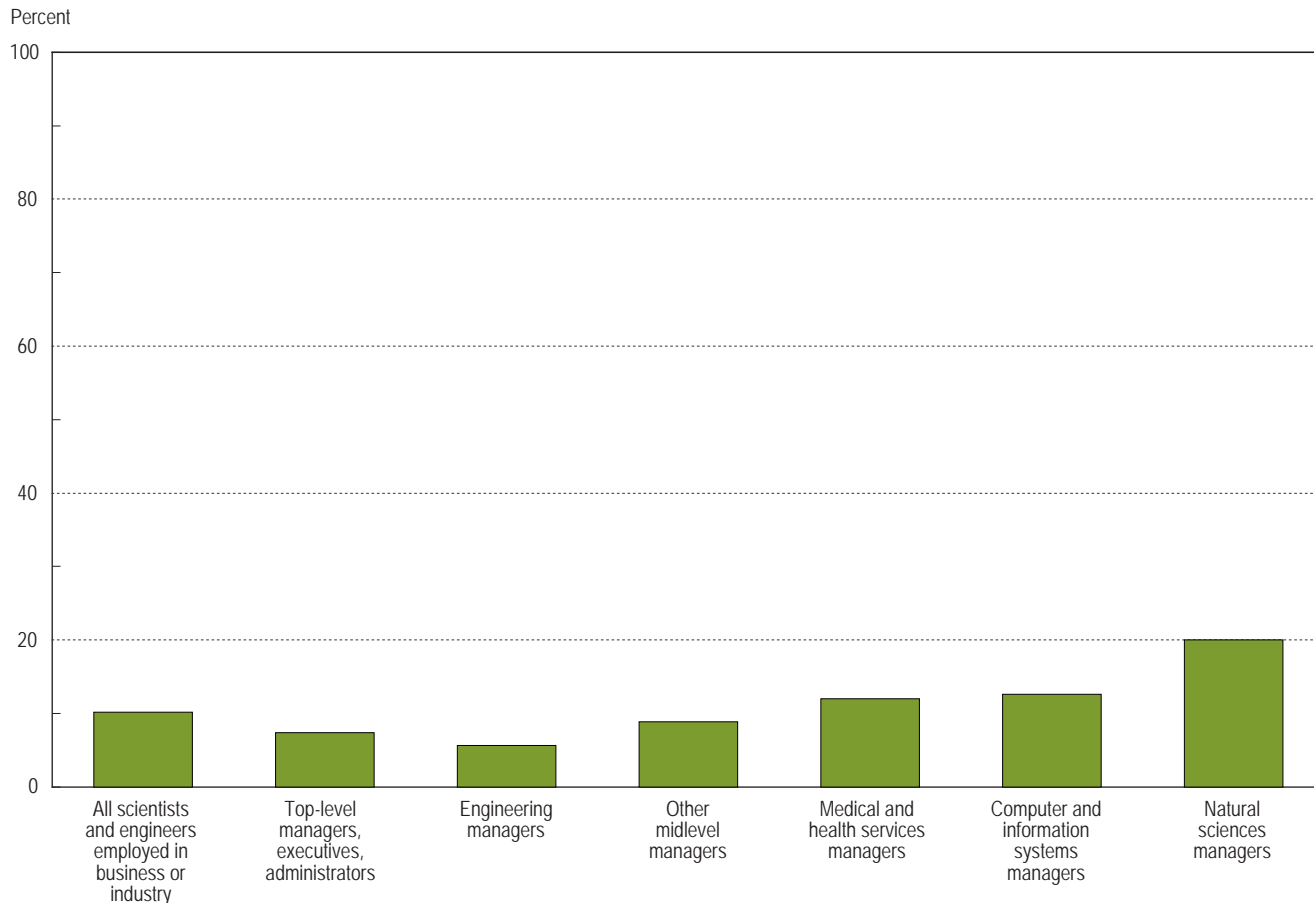
SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Among those employed by 4-year colleges and universities, a higher percentage of Asian and a lower percentage of black than of white S&E doctorate holders were in the nation's top research universities.

- One-third of black S&E doctorate holders employed in 4-year colleges and universities, compared with 42% of Hispanic and 44% of white S&E doctorate holders were employed in doctorate granting universities with very high research activity.
- More than half (54%) of Asian S&E doctorate holders employed in 4-year colleges and universities were employed in doctorate-granting universities with very high research activity.
- Black S&E doctorate holders employed in 4-year colleges and universities were more likely than other racial/ethnic groups to be employed in master's granting colleges and universities.

(For further information, see "Academic Institutions of Minority Faculty with S&E Doctorates," NSF 06-318, <http://www.nsf.gov/statistics/infbrief/nsf06318/>.)

FIGURE H-7. Scientists and engineers and managers in business or industry who are underrepresented minorities: 2006



NOTE: Underrepresented minority refers to blacks, Hispanics, American Indians/Alaska Natives, and Native Hawaiians/Other Pacific Islanders.

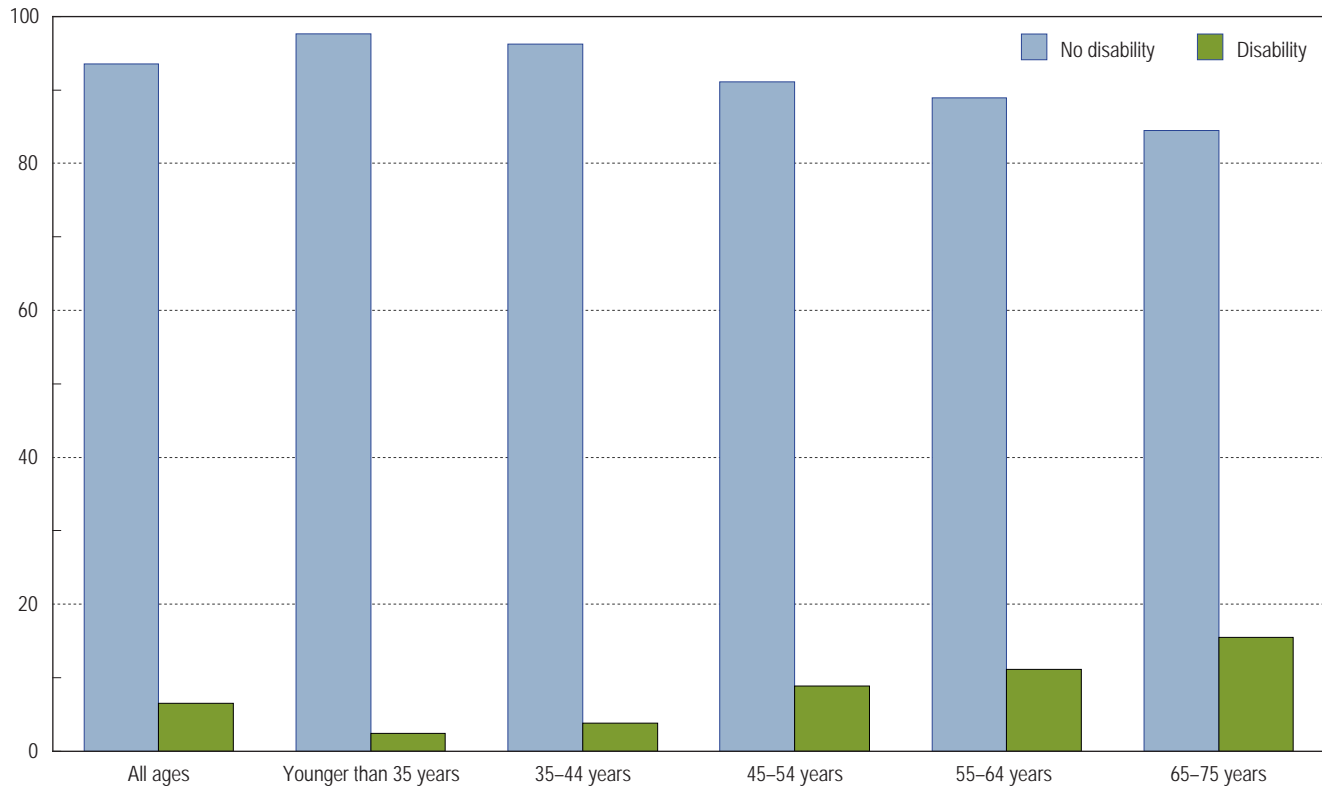
SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Underrepresented minorities (blacks, Hispanics, American Indians/Alaska Natives, and Native Hawaiians/other Pacific Islanders) were a similar percentage of scientists and engineers who were business or industry managers as they were of all scientists and engineers employed in business or industry in 2006.

- Underrepresented minorities were 10% of all scientists and engineers in business or industry in 2006, 7% of top-level managers, and 6%–13% of managers in most fields.
- They were a higher percentage (20%) of managers in natural sciences.

FIGURE H-8. Employed scientists and engineers, by disability status and age: 2006

Percent



SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

The percentage of employed scientists and engineers who have disabilities increases with age.

- Scientists and engineers with disabilities were 7% of all scientists and engineers in 2006.
- They were 15% of those ages 65–75 and 2% of those younger than 35.

TABLE A-1. Resident population of United States, by age and sex: 2006

| Age (years) | All residents | Female | | Male | |
|--------------------|---------------|-------------|---------|-------------|---------|
| | | Number | Percent | Number | Percent |
| All ages | 299,398,484 | 151,886,332 | 50.7 | 147,512,152 | 49.3 |
| Younger than 5 | 20,417,636 | 9,975,877 | 48.9 | 10,441,759 | 51.1 |
| 5-9 | 19,709,887 | 9,632,542 | 48.9 | 10,077,345 | 51.1 |
| 10-14 | 20,627,397 | 10,064,622 | 48.8 | 10,562,775 | 51.2 |
| 15-19 | 21,324,186 | 10,389,322 | 48.7 | 10,934,864 | 51.3 |
| 20-24 | 21,111,240 | 10,201,150 | 48.3 | 10,910,090 | 51.7 |
| 25-29 | 20,709,480 | 10,125,210 | 48.9 | 10,584,270 | 51.1 |
| 30-34 | 19,706,499 | 9,726,116 | 49.4 | 9,980,383 | 50.6 |
| 35-39 | 21,185,785 | 10,535,872 | 49.7 | 10,649,913 | 50.3 |
| 40-44 | 22,481,165 | 11,280,796 | 50.2 | 11,200,369 | 49.8 |
| 45-49 | 22,797,569 | 11,535,713 | 50.6 | 11,261,856 | 49.4 |
| 50-54 | 20,480,605 | 10,452,833 | 51.0 | 10,027,772 | 49.0 |
| 55-59 | 18,224,445 | 9,379,154 | 51.5 | 8,845,291 | 48.5 |
| 60-64 | 13,362,238 | 6,983,649 | 52.3 | 6,378,589 | 47.7 |
| 65-69 | 10,375,554 | 5,536,712 | 53.4 | 4,838,842 | 46.6 |
| 70-74 | 8,541,290 | 4,709,865 | 55.1 | 3,831,425 | 44.9 |
| 75-79 | 7,381,027 | 4,261,897 | 57.7 | 3,119,130 | 42.3 |
| 80-84 | 5,665,664 | 3,486,463 | 61.5 | 2,179,201 | 38.5 |
| 85-89 | 3,341,458 | 2,192,594 | 65.6 | 1,148,864 | 34.4 |
| 90-94 | 1,456,846 | 1,032,737 | 70.9 | 424,109 | 29.1 |
| 95-99 | 424,839 | 324,001 | 76.3 | 100,838 | 23.7 |
| 100 and older | 73,674 | 59,207 | 80.4 | 14,467 | 19.6 |
| Age groups | | | | | |
| Younger than 5 | 20,417,636 | 9,975,877 | 48.9 | 10,441,759 | 51.1 |
| 5-13 | 36,077,637 | 17,617,032 | 48.8 | 18,460,605 | 51.2 |
| 14-17 | 17,240,289 | 8,407,946 | 48.8 | 8,832,343 | 51.2 |
| 18-64 | 188,402,570 | 94,282,001 | 50.0 | 94,120,569 | 50.0 |
| 18-24 | 29,454,784 | 14,262,658 | 48.4 | 15,192,126 | 51.6 |
| 25-44 | 84,082,929 | 41,667,994 | 49.6 | 42,414,935 | 50.4 |
| 45-64 | 74,864,857 | 38,351,349 | 51.2 | 36,513,508 | 48.8 |
| 65 years and older | 37,260,352 | 21,603,476 | 58.0 | 15,656,876 | 42.0 |

NOTE: Age categories drawn from published Census tables.

SOURCE: U.S. Census Bureau, Population Division, Annual Estimates of the Population by Five-Year Age Groups and Sex for the United States: April 1, 2000 to July 1, 2006 (NC-EST2006-01) and Annual Estimates of the Population by Selected Age Groups and Sex for the United States: April 1, 2000 to July 1, 2006 (NC-EST2006-02).

TABLE A-2. Resident population of United States, by race/ethnicity and age: 2006

| Race/ethnicity | All ages | Age (years) | | | | |
|--|-------------|----------------|------------|------------|-------------|--------------|
| | | Younger than 5 | 5-17 | 18-24 | 25-64 | 65 and older |
| | | Number | | | | |
| All races/ethnicities | 299,398,484 | 20,417,636 | 53,317,926 | 29,454,784 | 158,947,786 | 37,260,352 |
| White | 198,744,494 | 11,161,705 | 31,304,152 | 18,098,213 | 107,992,836 | 30,187,588 |
| Asian | 12,881,639 | 862,378 | 2,041,387 | 1,198,349 | 7,614,556 | 1,164,969 |
| Black/African American | 36,689,680 | 2,916,626 | 7,871,875 | 4,179,898 | 18,634,351 | 3,086,930 |
| Hispanic/Latino | 44,321,038 | 4,705,039 | 10,261,325 | 5,146,358 | 21,808,996 | 2,399,320 |
| American Indian/Alaska Native | 2,258,877 | 175,698 | 485,111 | 279,954 | 1,143,035 | 175,079 |
| Native Hawaiian/Other Pacific Islander | 412,380 | 27,596 | 83,621 | 49,547 | 223,046 | 28,570 |
| Two or more races, non-Hispanic | 4,090,376 | 568,594 | 1,270,455 | 502,465 | 1,530,966 | 217,896 |
| | | Percent | | | | |
| All races/ethnicities | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| White | 66.4 | 54.7 | 58.7 | 61.4 | 67.9 | 81.0 |
| Asian | 4.3 | 4.2 | 3.8 | 4.1 | 4.8 | 3.1 |
| Black/African American | 12.3 | 14.3 | 14.8 | 14.2 | 11.7 | 8.3 |
| Hispanic/Latino | 14.8 | 23.0 | 19.2 | 17.5 | 13.7 | 6.4 |
| American Indian/Alaska Native | 0.8 | 0.9 | 0.9 | 1.0 | 0.7 | 0.5 |
| Native Hawaiian/Other Pacific Islander | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.1 |
| Two or more races, non-Hispanic | 1.4 | 2.8 | 2.4 | 1.7 | 1.0 | 0.6 |

NOTE: Hispanics may be of any race.

SOURCE: U.S. Department of Commerce, Census Bureau, Population Estimates, http://www.census.gov/popest/national/asrh/2006_nat_res.html.

TABLE A-3. U.S. civilian noninstitutionalized population 5 years old and older, by disability status, type of disability, sex, and age: 2006

| Disability status, type, and age (years) | Both sexes | | Male | | Female | |
|--|-------------|----------------------|------------|----------------------|------------|----------------------|
| | Number | Percent distribution | Number | Percent distribution | Number | Percent distribution |
| 5-15 years | 44,696,789 | 100.0 | 22,862,328 | 100.0 | 21,834,461 | 100.0 |
| No disability | 41,867,167 | 93.7 | 21,042,647 | 92.0 | 20,824,520 | 95.4 |
| With any disability | 2,829,622 | 6.3 | 1,819,681 | 8.0 | 1,009,941 | 4.6 |
| Sensory disability | 521,930 | 1.2 | 292,440 | 1.3 | 229,490 | 1.1 |
| Physical disability | 507,491 | 1.1 | 289,115 | 1.3 | 218,376 | 1.0 |
| Mental disability | 2,287,510 | 5.1 | 1,529,025 | 6.7 | 758,485 | 3.5 |
| Self-care disability | 388,277 | 0.9 | 240,054 | 1.0 | 148,223 | 0.7 |
| With one type of disability | 2,234,386 | 5.0 | 1,451,152 | 6.3 | 783,234 | 3.6 |
| With two or more types of disability | 595,236 | 1.3 | 368,529 | 1.6 | 226,707 | 1.0 |
| 16-20 years | 21,492,138 | 100.0 | 10,939,399 | 100.0 | 10,552,739 | 100.0 |
| No disability | 19,990,954 | 93.0 | 10,073,807 | 92.1 | 9,917,147 | 94.0 |
| With any disability | 1,501,184 | 7.0 | 865,592 | 7.9 | 635,592 | 6.0 |
| Sensory disability | 280,889 | 1.3 | 155,199 | 1.4 | 125,690 | 1.2 |
| Physical disability | 351,839 | 1.6 | 172,555 | 1.6 | 179,284 | 1.7 |
| Mental disability | 1,014,860 | 4.7 | 626,261 | 5.7 | 388,599 | 3.7 |
| Self-care disability | 155,434 | 0.7 | 88,997 | 0.8 | 66,437 | 0.6 |
| Go-outside-home disability | 336,219 | 1.6 | 188,456 | 1.7 | 147,763 | 1.4 |
| Employment disability | 511,769 | 2.4 | 292,648 | 2.7 | 219,121 | 2.1 |
| With one type of disability | 940,354 | 4.4 | 542,096 | 5.0 | 398,258 | 3.8 |
| With two or more types of disability | 560,830 | 2.6 | 323,496 | 3.0 | 237,334 | 2.2 |
| 21-64 years | 172,076,078 | 100.0 | 84,582,607 | 100.0 | 87,493,471 | 100.0 |
| No disability | 149,714,165 | 87.0 | 73,697,888 | 87.1 | 76,016,277 | 87.1 |
| With any disability | 22,361,913 | 13.0 | 10,884,719 | 12.9 | 11,477,194 | 13.1 |
| Sensory disability | 5,141,984 | 3.0 | 2,926,225 | 3.5 | 2,215,759 | 3.5 |
| Physical disability | 13,778,619 | 8.0 | 6,345,913 | 7.5 | 7,432,706 | 7.5 |
| Mental disability | 8,219,263 | 4.8 | 4,033,109 | 4.8 | 4,186,154 | 4.8 |
| Self-care disability | 4,032,058 | 2.3 | 1,835,008 | 2.2 | 2,197,050 | 2.2 |
| Go-outside-home disability | 5,879,172 | 3.4 | 2,593,481 | 3.1 | 3,285,691 | 3.1 |
| Employment disability | 13,155,479 | 7.6 | 6,313,321 | 7.5 | 6,842,158 | 7.5 |
| With one type of disability | 9,170,001 | 5.3 | 4,548,812 | 5.4 | 4,621,189 | 5.4 |
| With two or more types of disability | 13,191,912 | 7.7 | 6,335,907 | 7.5 | 6,856,005 | 7.5 |
| 65 years and over | 35,570,460 | 100.0 | 15,149,559 | 100.0 | 20,420,901 | 100.0 |
| No disability | 21,003,370 | 59.0 | 9,357,305 | 61.8 | 11,646,065 | 57.0 |
| With any disability | 14,567,090 | 41.0 | 5,792,254 | 38.2 | 8,774,836 | 43.0 |
| Sensory disability | 5,885,155 | 16.5 | 2,702,918 | 17.8 | 3,182,237 | 15.6 |
| Physical disability | 11,142,627 | 31.3 | 4,174,291 | 27.6 | 6,968,336 | 34.1 |
| Mental disability | 4,405,827 | 12.4 | 1,707,809 | 11.3 | 2,698,018 | 13.2 |
| Self-care disability | 3,719,244 | 10.5 | 1,262,260 | 8.3 | 2,456,984 | 12.0 |
| Go-outside-home disability | 6,301,502 | 17.7 | 1,939,108 | 12.8 | 4,362,394 | 21.4 |
| With one type of disability | 6,247,935 | 17.6 | 2,751,217 | 18.2 | 3,496,718 | 17.1 |
| With two or more types of disability | 8,319,155 | 23.4 | 3,041,037 | 20.1 | 5,278,118 | 25.8 |

NOTES: Data on disability status were derived from answers to two items in the American Community Survey. One asked about the existence of the following long-lasting conditions: blindness, deafness, severe vision or hearing impairment (sensory disability) or a condition that substantially limits physical activities such as walking, climbing stairs, reaching, lifting, or carrying (physical disability). The second question asked if the individual had a physical, mental, or emotional condition lasting 6 months or more that made it difficult to perform certain activities: (a) learning, remembering, or concentrating (mental disability); (b) dressing, bathing, or getting around inside the home (self-care disability); (c) going outside the home alone to shop or visit a doctor's office (go-outside-home disability); and (d) working at a job or business (employment disability). People aged 16 to 64 were classified by Census as having a disability if they responded yes to at least one of the above 6 conditions (sensory, physical, mental, self-care, go-outside-home, or employment disability). People aged 5 to 15 were classified as having a disability if they reported any one of the four conditions: sensory disability, physical disability, mental disability, or self-care disability. People over 65 were classified as having a disability if they reported any one of five conditions: sensory disability, physical disability, mental disability, self-care disability, or go-outside-home disability. Data are based on a sample and are subject to sampling variability. See source table for confidence intervals for these estimates. Age categories drawn from published Census tables.

SOURCE: U.S. Bureau of the Census, 2003 American Community Survey Summary Tables, <http://www.census.gov/hhes/www/disability/2006acs.html>.

TABLE B-1. Undergraduate enrollment at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1998–2006

| Race/ethnicity, citizenship, sex, and status | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|------------|------------|------------|------------|------------|------------|------------|------------|
| All enrolled | 12,750,061 | 13,435,923 | 13,532,275 | 14,083,538 | 14,200,204 | 14,424,448 | 14,514,807 | 15,408,394 |
| White | 8,303,212 | 8,659,934 | 8,561,393 | 8,794,221 | 8,849,625 | 8,894,602 | 8,892,473 | 9,298,148 |
| Asian/Pacific Islander | 732,167 | 791,431 | 810,599 | 849,951 | 845,542 | 865,669 | 883,526 | 948,130 |
| Black | 1,362,622 | 1,505,216 | 1,524,759 | 1,615,596 | 1,666,483 | 1,716,696 | 1,730,322 | 1,839,145 |
| Hispanic | 1,233,658 | 1,418,154 | 1,479,485 | 1,560,538 | 1,594,700 | 1,656,529 | 1,705,019 | 1,835,605 |
| American Indian/Alaska Native | 122,445 | 128,716 | 130,488 | 136,510 | 141,263 | 143,024 | 142,169 | 152,194 |
| Other or unknown race/ethnicity | 757,037 | 649,391 | 723,108 | 816,179 | 795,857 | 844,641 | 855,930 | 1,003,064 |
| Temporary resident | 238,920 | 283,081 | 302,443 | 310,543 | 306,734 | 303,287 | 305,368 | 332,108 |
| Female | 7,191,871 | 7,418,668 | 7,639,293 | 7,990,908 | 8,113,132 | 8,251,480 | 8,297,880 | 8,798,566 |
| White | 4,628,298 | 4,707,602 | 4,768,735 | 4,916,439 | 4,968,059 | 4,992,423 | 4,986,485 | 5,203,253 |
| Asian/Pacific Islander | 382,966 | 414,678 | 430,483 | 453,553 | 455,594 | 467,847 | 477,930 | 512,180 |
| Black | 857,208 | 928,866 | 967,782 | 1,031,739 | 1,072,135 | 1,106,821 | 1,113,021 | 1,179,153 |
| Hispanic | 711,276 | 808,648 | 857,372 | 910,648 | 941,667 | 979,370 | 1,005,277 | 1,079,271 |
| American Indian/Alaska Native | 72,395 | 75,652 | 78,303 | 82,291 | 86,410 | 87,004 | 86,915 | 91,801 |
| Other or unknown race/ethnicity | 427,983 | 347,413 | 390,478 | 442,574 | 435,250 | 463,040 | 470,629 | 561,791 |
| Temporary resident | 111,745 | 135,809 | 146,140 | 153,664 | 154,017 | 154,975 | 157,623 | 171,117 |
| Male | 5,558,190 | 6,017,255 | 5,892,982 | 6,092,630 | 6,087,072 | 6,172,968 | 6,216,927 | 6,609,828 |
| White | 3,674,914 | 3,952,332 | 3,792,658 | 3,877,782 | 3,881,566 | 3,902,179 | 3,905,988 | 4,094,895 |
| Asian/Pacific Islander | 349,201 | 376,753 | 380,116 | 396,398 | 389,948 | 397,822 | 405,596 | 435,950 |
| Black | 505,414 | 576,350 | 556,977 | 583,857 | 594,348 | 609,875 | 617,301 | 659,992 |
| Hispanic | 522,382 | 609,506 | 622,113 | 649,890 | 653,033 | 677,159 | 699,742 | 756,334 |
| American Indian/Alaska Native | 50,050 | 53,064 | 52,185 | 54,219 | 54,853 | 56,020 | 55,254 | 60,393 |
| Other or unknown race/ethnicity | 329,054 | 301,978 | 332,630 | 373,605 | 360,607 | 381,601 | 385,301 | 441,273 |
| Temporary resident | 127,175 | 147,272 | 156,303 | 156,879 | 152,717 | 148,312 | 147,745 | 160,991 |
| Full time | 7,563,837 | 7,868,117 | 8,238,951 | 8,621,417 | 8,861,940 | 9,050,853 | 9,137,628 | 9,702,582 |
| White | 5,127,987 | 5,218,794 | 5,390,022 | 5,569,647 | 5,708,833 | 5,775,988 | 5,811,033 | 6,073,768 |
| Asian/Pacific Islander | 451,912 | 467,236 | 489,698 | 514,704 | 523,936 | 537,188 | 549,128 | 593,122 |
| Black | 809,180 | 840,272 | 895,346 | 951,951 | 998,918 | 1,030,216 | 1,041,018 | 1,099,203 |
| Hispanic | 671,889 | 722,012 | 767,268 | 811,731 | 855,087 | 891,142 | 918,366 | 989,174 |
| American Indian/Alaska Native | 71,132 | 70,723 | 74,439 | 78,814 | 84,004 | 85,404 | 85,493 | 91,376 |
| Other or unknown race/ethnicity | 239,148 | 324,727 | 381,849 | 447,430 | 444,397 | 487,045 | 490,224 | 592,229 |
| Temporary resident | 192,589 | 224,353 | 240,329 | 247,140 | 246,765 | 243,870 | 242,366 | 263,710 |
| Female | 4,136,520 | 4,323,326 | 4,531,570 | 4,753,442 | 4,904,754 | 5,019,762 | 5,069,266 | 5,371,901 |
| White | 2,764,461 | 2,824,564 | 2,915,844 | 3,017,601 | 3,098,617 | 3,136,210 | 3,154,833 | 3,286,445 |
| Asian/Pacific Islander | 233,583 | 244,411 | 256,531 | 269,692 | 276,134 | 283,331 | 289,291 | 311,246 |
| Black | 494,942 | 514,856 | 551,501 | 588,379 | 620,165 | 642,180 | 647,728 | 680,292 |
| Hispanic | 388,691 | 421,963 | 448,876 | 475,005 | 503,353 | 524,551 | 540,318 | 578,784 |
| American Indian/Alaska Native | 40,963 | 41,289 | 43,653 | 46,303 | 50,037 | 50,481 | 50,612 | 53,456 |
| Other or unknown race/ethnicity | 126,394 | 171,822 | 202,386 | 237,546 | 236,455 | 261,895 | 264,820 | 329,487 |
| Temporary resident | 87,486 | 104,421 | 112,779 | 118,916 | 119,993 | 121,114 | 121,664 | 132,191 |
| Male | 3,427,317 | 3,544,791 | 3,707,381 | 3,867,975 | 3,957,186 | 4,031,091 | 4,068,362 | 4,330,681 |
| White | 2,363,526 | 2,394,230 | 2,474,178 | 2,552,046 | 2,610,216 | 2,639,778 | 2,656,200 | 2,787,323 |
| Asian/Pacific Islander | 218,329 | 222,825 | 233,167 | 245,012 | 247,802 | 253,857 | 259,837 | 281,876 |
| Black | 314,238 | 325,416 | 343,845 | 363,572 | 378,753 | 388,036 | 393,290 | 418,911 |
| Hispanic | 283,198 | 300,049 | 318,392 | 336,726 | 351,734 | 366,591 | 378,048 | 410,390 |
| American Indian/Alaska Native | 30,169 | 29,434 | 30,786 | 32,511 | 33,967 | 34,923 | 34,881 | 37,920 |
| Other or unknown race/ethnicity | 112,754 | 152,905 | 179,463 | 209,884 | 207,942 | 225,150 | 225,404 | 262,742 |
| Temporary resident | 105,103 | 119,932 | 127,550 | 128,224 | 126,772 | 122,756 | 120,702 | 131,519 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1998–2006.

TABLE B-2. Enrollment of first-time, first-year undergraduate students at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1998–2006

| Race/ethnicity, citizenship, sex, and status | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All enrolled | 2,194,148 | 2,376,968 | 2,394,388 | 2,475,168 | 2,494,265 | 2,505,637 | 2,521,437 | 2,576,746 |
| White | 1,480,364 | 1,565,273 | 1,548,045 | 1,587,781 | 1,595,855 | 1,575,137 | 1,573,607 | 1,565,308 |
| Asian/Pacific Islander | 114,720 | 125,198 | 129,933 | 132,352 | 130,972 | 135,686 | 140,474 | 151,955 |
| Black | 256,200 | 280,122 | 285,558 | 304,378 | 313,737 | 319,920 | 320,698 | 328,782 |
| Hispanic | 206,921 | 235,138 | 242,413 | 258,153 | 263,707 | 276,017 | 286,085 | 305,120 |
| American Indian/Alaska Native | 21,170 | 22,394 | 23,103 | 23,779 | 24,712 | 24,113 | 24,600 | 25,777 |
| Other or unknown race/ethnicity | 80,199 | 106,116 | 119,903 | 125,901 | 123,012 | 132,344 | 130,582 | 151,234 |
| Temporary resident | 34,574 | 42,727 | 45,433 | 42,824 | 42,270 | 42,420 | 45,391 | 48,570 |
| Female | 1,184,620 | 1,275,694 | 1,297,715 | 1,353,212 | 1,364,626 | 1,368,853 | 1,374,968 | 1,400,126 |
| White | 789,825 | 829,549 | 828,131 | 855,610 | 859,483 | 845,163 | 842,408 | 834,894 |
| Asian/Pacific Islander | 59,295 | 64,422 | 67,563 | 68,842 | 68,963 | 71,186 | 73,665 | 78,848 |
| Black | 150,754 | 163,443 | 168,633 | 180,987 | 186,423 | 190,596 | 190,095 | 193,788 |
| Hispanic | 115,388 | 131,604 | 136,766 | 146,027 | 149,943 | 156,550 | 161,837 | 171,099 |
| American Indian/Alaska Native | 11,741 | 12,683 | 13,041 | 13,510 | 14,186 | 13,673 | 13,968 | 14,330 |
| Other or unknown race/ethnicity | 41,728 | 54,397 | 62,242 | 66,957 | 64,580 | 70,374 | 70,455 | 83,546 |
| Temporary resident | 15,889 | 19,596 | 21,339 | 21,279 | 21,048 | 21,311 | 22,540 | 23,621 |
| Male | 1,009,528 | 1,101,274 | 1,096,673 | 1,121,956 | 1,129,639 | 1,136,784 | 1,146,469 | 1,176,620 |
| White | 690,539 | 735,724 | 719,914 | 732,171 | 736,372 | 729,974 | 731,199 | 730,414 |
| Asian/Pacific Islander | 55,425 | 60,776 | 62,370 | 63,510 | 62,009 | 64,500 | 66,809 | 73,107 |
| Black | 105,446 | 116,679 | 116,925 | 123,391 | 127,314 | 129,324 | 130,603 | 134,994 |
| Hispanic | 91,533 | 103,534 | 105,647 | 112,126 | 113,764 | 119,467 | 124,248 | 134,021 |
| American Indian/Alaska Native | 9,429 | 9,711 | 10,062 | 10,269 | 10,526 | 10,440 | 10,632 | 11,447 |
| Other or unknown race/ethnicity | 38,471 | 51,719 | 57,661 | 58,944 | 58,432 | 61,970 | 60,127 | 67,688 |
| Temporary resident | 18,685 | 23,131 | 24,094 | 21,545 | 21,222 | 21,109 | 22,851 | 24,949 |
| Full time | 1,759,875 | 1,850,185 | 1,909,576 | 1,976,669 | 2,019,262 | 2,044,074 | 2,075,623 | 2,115,020 |
| White | 1,208,675 | 1,245,642 | 1,265,978 | 1,301,363 | 1,323,373 | 1,319,054 | 1,331,439 | 1,325,239 |
| Asian/Pacific Islander | 93,126 | 99,737 | 104,581 | 107,814 | 107,005 | 111,224 | 116,359 | 125,739 |
| Black | 198,111 | 208,355 | 218,159 | 230,820 | 242,483 | 248,861 | 251,866 | 255,075 |
| Hispanic | 154,084 | 167,164 | 174,847 | 187,393 | 196,178 | 204,470 | 213,525 | 225,520 |
| American Indian/Alaska Native | 15,973 | 16,596 | 17,466 | 17,964 | 19,218 | 19,088 | 19,605 | 20,192 |
| Other or unknown race/ethnicity | 59,002 | 75,678 | 89,234 | 94,243 | 94,682 | 104,565 | 103,612 | 120,793 |
| Temporary resident | 30,904 | 37,013 | 39,311 | 37,072 | 36,323 | 36,812 | 39,217 | 42,462 |
| Female | 946,154 | 995,634 | 1,027,170 | 1,070,251 | 1,093,934 | 1,107,308 | 1,125,348 | 1,141,565 |
| White | 641,544 | 661,923 | 671,774 | 694,002 | 705,232 | 701,386 | 708,456 | 701,780 |
| Asian/Pacific Islander | 48,433 | 51,857 | 54,656 | 56,272 | 56,244 | 58,271 | 60,865 | 65,049 |
| Black | 116,086 | 122,133 | 127,820 | 135,763 | 142,829 | 147,051 | 148,515 | 149,089 |
| Hispanic | 86,956 | 95,219 | 99,677 | 106,814 | 112,088 | 116,588 | 121,660 | 127,389 |
| American Indian/Alaska Native | 8,812 | 9,281 | 9,815 | 10,092 | 10,849 | 10,739 | 11,038 | 11,094 |
| Other or unknown race/ethnicity | 30,376 | 38,516 | 45,221 | 49,144 | 48,966 | 55,092 | 55,627 | 66,781 |
| Temporary resident | 13,947 | 16,705 | 18,207 | 18,164 | 17,726 | 18,181 | 19,187 | 20,383 |
| Male | 813,721 | 854,551 | 882,406 | 906,418 | 925,328 | 936,766 | 950,275 | 973,455 |
| White | 567,131 | 583,719 | 594,204 | 607,361 | 618,141 | 617,668 | 622,983 | 623,459 |
| Asian/Pacific Islander | 44,693 | 47,880 | 49,925 | 51,542 | 50,761 | 52,953 | 55,494 | 60,690 |
| Black | 82,025 | 86,222 | 90,339 | 95,057 | 99,654 | 101,810 | 103,351 | 105,986 |
| Hispanic | 67,128 | 71,945 | 75,170 | 80,579 | 84,090 | 87,882 | 91,865 | 98,131 |
| American Indian/Alaska Native | 7,161 | 7,315 | 7,651 | 7,872 | 8,369 | 8,349 | 8,567 | 9,098 |
| Other or unknown race/ethnicity | 28,626 | 37,162 | 44,013 | 45,099 | 45,716 | 49,473 | 47,985 | 54,012 |
| Temporary resident | 16,957 | 20,308 | 21,104 | 18,908 | 18,597 | 18,631 | 20,030 | 22,079 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1998–2006.

TABLE B-3. Undergraduate enrollment at 2-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1998–2006

| Race/ethnicity, citizenship, sex, and status | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All enrolled | 5,404,368 | 5,889,694 | 5,758,879 | 6,069,162 | 6,026,937 | 6,098,849 | 6,074,993 | 6,398,908 |
| White | 3,287,566 | 3,636,571 | 3,457,130 | 3,601,252 | 3,579,835 | 3,586,634 | 3,534,392 | 3,667,509 |
| Asian/Pacific Islander | 331,225 | 374,458 | 377,961 | 398,900 | 383,577 | 390,921 | 395,182 | 424,772 |
| Black | 594,909 | 708,355 | 692,484 | 751,364 | 770,883 | 788,699 | 780,360 | 827,469 |
| Hispanic | 606,373 | 744,245 | 772,067 | 819,859 | 815,504 | 848,541 | 870,188 | 932,526 |
| American Indian/Alaska Native | 60,855 | 66,150 | 66,081 | 69,393 | 69,865 | 70,826 | 69,032 | 71,960 |
| Other or unknown race/ethnicity | 473,491 | 277,240 | 299,378 | 330,110 | 313,415 | 324,492 | 335,797 | 378,976 |
| Temporary resident | 49,949 | 82,675 | 93,778 | 98,284 | 93,858 | 88,736 | 90,042 | 95,696 |
| Female | 3,119,597 | 3,222,983 | 3,305,205 | 3,516,921 | 3,537,739 | 3,585,123 | 3,557,974 | 3,736,976 |
| White | 1,883,492 | 1,952,789 | 1,966,387 | 2,064,681 | 2,072,039 | 2,077,608 | 2,042,026 | 2,115,492 |
| Asian/Pacific Islander | 174,291 | 195,435 | 202,079 | 214,658 | 209,142 | 214,279 | 216,740 | 232,679 |
| Black | 379,620 | 430,668 | 445,818 | 489,502 | 509,166 | 521,147 | 510,851 | 538,938 |
| Hispanic | 347,724 | 415,959 | 442,195 | 475,214 | 480,352 | 500,511 | 510,055 | 544,809 |
| American Indian/Alaska Native | 36,703 | 39,101 | 40,187 | 42,476 | 43,392 | 44,025 | 43,090 | 44,177 |
| Other or unknown race/ethnicity | 271,853 | 145,358 | 158,578 | 177,201 | 172,122 | 178,105 | 184,721 | 207,415 |
| Temporary resident | 25,914 | 43,673 | 49,961 | 53,189 | 51,526 | 49,448 | 50,491 | 53,466 |
| Male | 2,284,771 | 2,666,711 | 2,453,674 | 2,552,241 | 2,489,198 | 2,513,726 | 2,517,019 | 2,661,932 |
| White | 1,404,074 | 1,683,782 | 1,490,743 | 1,536,571 | 1,507,796 | 1,509,026 | 1,492,366 | 1,552,017 |
| Asian/Pacific Islander | 156,934 | 179,023 | 175,882 | 184,242 | 174,435 | 176,642 | 178,442 | 192,093 |
| Black | 215,289 | 277,687 | 246,666 | 261,862 | 261,717 | 267,552 | 269,509 | 288,531 |
| Hispanic | 258,649 | 328,286 | 329,872 | 344,645 | 335,152 | 348,030 | 360,133 | 387,717 |
| American Indian/Alaska Native | 24,152 | 27,049 | 25,894 | 26,917 | 26,473 | 26,801 | 25,942 | 27,783 |
| Other or unknown race/ethnicity | 201,638 | 131,882 | 140,800 | 152,909 | 141,293 | 146,387 | 151,076 | 171,561 |
| Temporary resident | 24,035 | 39,002 | 43,817 | 45,095 | 42,332 | 39,288 | 39,551 | 42,230 |
| Full time | 1,888,668 | 1,981,502 | 2,126,360 | 2,300,233 | 2,376,612 | 2,408,281 | 2,384,449 | 2,515,062 |
| White | 1,211,124 | 1,228,237 | 1,297,161 | 1,389,483 | 1,437,562 | 1,450,499 | 1,426,096 | 1,482,454 |
| Asian/Pacific Islander | 122,822 | 124,749 | 131,104 | 140,689 | 140,439 | 140,822 | 140,525 | 153,122 |
| Black | 232,259 | 242,783 | 269,268 | 301,427 | 320,256 | 325,189 | 317,587 | 335,404 |
| Hispanic | 208,678 | 231,207 | 250,236 | 271,531 | 283,847 | 294,221 | 299,339 | 322,478 |
| American Indian/Alaska Native | 24,994 | 24,196 | 26,393 | 28,586 | 30,330 | 30,930 | 29,819 | 31,096 |
| Other or unknown race/ethnicity | 59,035 | 78,115 | 92,050 | 104,168 | 103,214 | 111,658 | 116,447 | 130,336 |
| Temporary resident | 29,756 | 52,215 | 60,148 | 64,349 | 60,964 | 54,962 | 54,636 | 60,172 |
| Female | 1,043,959 | 1,096,289 | 1,176,600 | 1,280,351 | 1,332,661 | 1,354,678 | 1,333,532 | 1,397,787 |
| White | 658,298 | 665,586 | 701,716 | 755,655 | 785,320 | 794,876 | 778,429 | 805,597 |
| Asian/Pacific Islander | 62,105 | 64,011 | 66,953 | 71,747 | 71,937 | 72,180 | 71,386 | 77,467 |
| Black | 143,614 | 150,008 | 168,311 | 190,127 | 204,288 | 207,404 | 199,628 | 209,126 |
| Hispanic | 120,159 | 135,452 | 145,945 | 158,102 | 166,506 | 171,994 | 173,846 | 185,667 |
| American Indian/Alaska Native | 14,889 | 14,745 | 15,961 | 17,295 | 18,476 | 18,930 | 18,199 | 18,624 |
| Other or unknown race/ethnicity | 30,351 | 40,071 | 46,866 | 53,943 | 54,282 | 60,122 | 62,830 | 69,294 |
| Temporary resident | 14,543 | 26,416 | 30,848 | 33,482 | 31,852 | 29,172 | 29,214 | 32,012 |
| Male | 844,709 | 885,213 | 949,760 | 1,019,882 | 1,043,951 | 1,053,603 | 1,050,917 | 1,117,275 |
| White | 552,826 | 562,651 | 595,445 | 633,828 | 652,242 | 655,623 | 647,667 | 676,857 |
| Asian/Pacific Islander | 60,717 | 60,738 | 64,151 | 68,942 | 68,502 | 68,642 | 69,139 | 75,655 |
| Black | 88,645 | 92,775 | 100,957 | 111,300 | 115,968 | 117,785 | 117,959 | 126,278 |
| Hispanic | 88,519 | 95,755 | 104,291 | 113,429 | 117,341 | 122,227 | 125,493 | 136,811 |
| American Indian/Alaska Native | 10,105 | 9,451 | 10,432 | 11,291 | 11,854 | 12,000 | 11,620 | 12,472 |
| Other or unknown race/ethnicity | 28,684 | 38,044 | 45,184 | 50,225 | 48,932 | 51,536 | 53,617 | 61,042 |
| Temporary resident | 15,213 | 25,799 | 29,300 | 30,867 | 29,112 | 25,790 | 25,422 | 28,160 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1998–2006.

TABLE B-4. Undergraduate enrollment at 4-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1998–2006

| Race/ethnicity, citizenship, sex, and status | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All enrolled | 7,345,693 | 7,546,229 | 7,773,396 | 8,014,376 | 8,173,267 | 8,325,599 | 8,439,814 | 9,009,486 |
| White | 5,015,646 | 5,023,363 | 5,104,263 | 5,192,969 | 5,269,790 | 5,307,968 | 5,358,081 | 5,630,639 |
| Asian/Pacific Islander | 400,942 | 416,973 | 432,638 | 451,051 | 461,965 | 474,748 | 488,344 | 523,358 |
| Black | 767,713 | 796,861 | 832,275 | 864,232 | 895,600 | 927,997 | 949,962 | 1,011,676 |
| Hispanic | 627,285 | 673,909 | 707,418 | 740,679 | 779,196 | 807,988 | 834,831 | 903,079 |
| American Indian/Alaska Native | 61,590 | 62,566 | 64,407 | 67,117 | 71,398 | 72,198 | 73,137 | 80,234 |
| Other or unknown race/ethnicity | 283,546 | 372,151 | 423,730 | 486,069 | 482,442 | 520,149 | 520,133 | 624,088 |
| Temporary resident | 188,971 | 200,406 | 208,665 | 212,259 | 212,876 | 214,551 | 215,326 | 236,412 |
| Female | 4,072,274 | 4,195,685 | 4,334,088 | 4,473,987 | 4,575,393 | 4,666,357 | 4,739,906 | 5,061,590 |
| White | 2,744,806 | 2,754,813 | 2,802,348 | 2,851,758 | 2,896,020 | 2,914,815 | 2,944,459 | 3,087,761 |
| Asian/Pacific Islander | 208,675 | 219,243 | 228,404 | 238,895 | 246,452 | 253,568 | 261,190 | 279,501 |
| Black | 477,588 | 498,198 | 521,964 | 542,237 | 562,969 | 585,674 | 602,170 | 640,215 |
| Hispanic | 363,552 | 392,689 | 415,177 | 435,434 | 461,315 | 478,859 | 495,222 | 534,462 |
| American Indian/Alaska Native | 35,692 | 36,551 | 38,116 | 39,815 | 43,018 | 42,979 | 43,825 | 47,624 |
| Other or unknown race/ethnicity | 156,130 | 202,055 | 231,900 | 265,373 | 263,128 | 284,935 | 285,908 | 354,376 |
| Temporary resident | 85,831 | 92,136 | 96,179 | 100,475 | 102,491 | 105,527 | 107,132 | 117,651 |
| Male | 3,273,419 | 3,350,544 | 3,439,308 | 3,540,389 | 3,597,874 | 3,659,242 | 3,699,908 | 3,947,896 |
| White | 2,270,840 | 2,268,550 | 2,301,915 | 2,341,211 | 2,373,770 | 2,393,153 | 2,413,622 | 2,542,878 |
| Asian/Pacific Islander | 192,267 | 197,730 | 204,234 | 212,156 | 215,513 | 221,180 | 227,154 | 243,857 |
| Black | 290,125 | 298,663 | 310,311 | 321,995 | 332,631 | 342,323 | 347,792 | 371,461 |
| Hispanic | 263,733 | 281,220 | 292,241 | 305,245 | 317,881 | 329,129 | 339,609 | 368,617 |
| American Indian/Alaska Native | 25,898 | 26,015 | 26,291 | 27,302 | 28,380 | 29,219 | 29,312 | 32,610 |
| Other or unknown race/ethnicity | 127,416 | 170,096 | 191,830 | 220,696 | 219,314 | 235,214 | 234,225 | 269,712 |
| Temporary resident | 103,140 | 108,270 | 112,486 | 111,784 | 110,385 | 109,024 | 108,194 | 118,761 |
| Full time | 5,675,169 | 5,886,615 | 6,112,591 | 6,321,184 | 6,485,328 | 6,642,572 | 6,753,179 | 7,187,520 |
| White | 3,916,863 | 3,990,557 | 4,092,861 | 4,180,164 | 4,271,271 | 4,325,489 | 4,384,937 | 4,591,314 |
| Asian/Pacific Islander | 329,090 | 342,487 | 358,594 | 374,015 | 383,497 | 396,366 | 408,603 | 440,000 |
| Black | 576,921 | 597,489 | 626,078 | 650,524 | 678,662 | 705,027 | 723,431 | 763,799 |
| Hispanic | 463,211 | 490,805 | 517,032 | 540,200 | 571,240 | 596,921 | 619,027 | 666,696 |
| American Indian/Alaska Native | 46,138 | 46,527 | 48,046 | 50,228 | 53,674 | 54,474 | 55,674 | 60,280 |
| Other or unknown race/ethnicity | 180,113 | 246,612 | 289,799 | 343,262 | 341,183 | 375,387 | 373,777 | 461,893 |
| Temporary resident | 162,833 | 172,138 | 180,181 | 182,791 | 185,801 | 188,908 | 187,730 | 203,538 |
| Female | 3,092,561 | 3,227,037 | 3,354,970 | 3,473,091 | 3,572,093 | 3,665,084 | 3,735,734 | 3,974,114 |
| White | 2,106,163 | 2,158,978 | 2,214,128 | 2,261,946 | 2,313,297 | 2,341,334 | 2,376,404 | 2,480,848 |
| Asian/Pacific Islander | 171,478 | 180,400 | 189,578 | 197,945 | 204,197 | 211,151 | 217,905 | 233,779 |
| Black | 351,328 | 364,848 | 383,190 | 398,252 | 415,877 | 434,776 | 448,100 | 471,166 |
| Hispanic | 268,532 | 286,511 | 302,931 | 316,903 | 336,847 | 352,557 | 366,472 | 393,117 |
| American Indian/Alaska Native | 26,074 | 26,544 | 27,692 | 29,008 | 31,561 | 31,551 | 32,413 | 34,832 |
| Other or unknown race/ethnicity | 96,043 | 131,751 | 155,520 | 183,603 | 182,173 | 201,773 | 201,990 | 260,193 |
| Temporary resident | 72,943 | 78,005 | 81,931 | 85,434 | 88,141 | 91,942 | 92,450 | 100,179 |
| Male | 2,582,608 | 2,659,578 | 2,757,621 | 2,848,093 | 2,913,235 | 2,977,488 | 3,017,445 | 3,213,406 |
| White | 1,810,700 | 1,831,579 | 1,878,733 | 1,918,218 | 1,957,974 | 1,984,155 | 2,008,533 | 2,110,466 |
| Asian/Pacific Islander | 157,612 | 162,087 | 169,016 | 176,070 | 179,300 | 185,215 | 190,698 | 206,221 |
| Black | 225,593 | 232,641 | 242,888 | 252,272 | 262,785 | 270,251 | 275,331 | 292,633 |
| Hispanic | 194,679 | 204,294 | 214,101 | 223,297 | 234,393 | 244,364 | 252,555 | 273,579 |
| American Indian/Alaska Native | 20,064 | 19,983 | 20,354 | 21,220 | 22,113 | 22,923 | 23,261 | 25,448 |
| Other or unknown race/ethnicity | 84,070 | 114,861 | 134,279 | 159,659 | 159,010 | 173,614 | 171,787 | 201,700 |
| Temporary resident | 89,890 | 94,133 | 98,250 | 97,357 | 97,660 | 96,966 | 95,280 | 103,359 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1998–2006.

TABLE B-5. Undergraduate enrollment status, by sex, race/ethnicity, citizenship, institutional control, and enrollment status: 2004

| Sex, race/ethnicity, and citizenship | All institutions | | | Public | | | Private | | |
|--------------------------------------|------------------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
| | Total | Full time | Part time | Total | Full time | Part time | Total | Full time | Part time |
| All undergraduates | 14,424,448 | 9,050,853 | 5,373,595 | 11,524,349 | 6,687,314 | 4,837,035 | 2,900,099 | 2,363,539 | 536,560 |
| Female | 8,251,480 | 5,019,762 | 3,231,718 | 6,578,978 | 3,677,996 | 2,900,982 | 1,672,502 | 1,341,766 | 330,736 |
| Male | 6,172,968 | 4,031,091 | 2,141,877 | 4,945,371 | 3,009,318 | 1,936,053 | 1,227,597 | 1,021,773 | 205,824 |
| White | 8,894,602 | 5,775,988 | 3,118,614 | 7,144,996 | 4,319,470 | 2,825,526 | 1,749,606 | 1,456,518 | 293,088 |
| Female | 4,992,423 | 3,136,210 | 1,856,213 | 4,000,495 | 2,323,605 | 1,676,890 | 991,928 | 812,605 | 179,323 |
| Male | 3,902,179 | 2,639,778 | 1,262,401 | 3,144,501 | 1,995,865 | 1,148,636 | 757,678 | 643,913 | 113,765 |
| Asian/Pacific Islander | 865,669 | 537,188 | 328,481 | 738,155 | 426,867 | 311,288 | 127,514 | 110,321 | 17,193 |
| Female | 467,847 | 283,331 | 184,516 | 396,227 | 221,359 | 174,868 | 71,620 | 61,972 | 9,648 |
| Male | 397,822 | 253,857 | 143,965 | 341,928 | 205,508 | 136,420 | 55,894 | 48,349 | 7,545 |
| Black | 1,716,696 | 1,030,216 | 686,480 | 1,374,769 | 770,665 | 604,104 | 341,927 | 259,551 | 82,376 |
| Female | 1,106,821 | 642,180 | 464,641 | 887,087 | 479,078 | 408,009 | 219,734 | 163,102 | 56,632 |
| Male | 609,875 | 388,036 | 221,839 | 487,682 | 291,587 | 196,095 | 122,193 | 96,449 | 25,744 |
| Hispanic | 1,656,529 | 891,142 | 765,387 | 1,366,228 | 661,264 | 704,964 | 290,301 | 229,878 | 60,423 |
| Female | 979,370 | 524,551 | 454,819 | 806,949 | 387,674 | 419,275 | 172,421 | 136,877 | 35,544 |
| Male | 677,159 | 366,591 | 310,568 | 559,279 | 273,590 | 285,689 | 117,880 | 93,001 | 24,879 |
| American Indian/Alaska Native | 143,024 | 85,404 | 57,620 | 123,817 | 70,526 | 53,291 | 19,207 | 14,878 | 4,329 |
| Female | 87,004 | 50,481 | 36,523 | 75,538 | 41,726 | 33,812 | 11,466 | 8,755 | 2,711 |
| Male | 56,020 | 34,923 | 21,097 | 48,279 | 28,800 | 19,479 | 7,741 | 6,123 | 1,618 |
| Other or unknown race/ethnicity | 844,641 | 487,045 | 357,596 | 568,550 | 282,948 | 285,602 | 276,091 | 204,097 | 71,994 |
| Female | 463,040 | 261,895 | 201,145 | 306,339 | 148,252 | 158,087 | 156,701 | 113,643 | 43,058 |
| Male | 381,601 | 225,150 | 156,451 | 262,211 | 134,696 | 127,515 | 119,390 | 90,454 | 28,936 |
| Temporary resident | 303,287 | 243,870 | 59,417 | 207,834 | 155,574 | 52,260 | 95,453 | 88,296 | 7,157 |
| Female | 154,975 | 121,114 | 33,861 | 106,343 | 76,302 | 30,041 | 48,632 | 44,812 | 3,820 |
| Male | 148,312 | 122,756 | 25,556 | 101,491 | 79,272 | 22,219 | 46,821 | 43,484 | 3,337 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 2004.

TABLE B-6. Disability status of undergraduate students, by age, institution type, financial aid, and enrollment status: 2004
(Percent distribution)

| Age, institution type, financial aid, and status | All | | |
|--|----------------|---------------|-----------------|
| | undergraduates | No disability | With disability |
| All undergraduates (number) | 19,054,000 | 16,897,500 | 2,156,400 |
| Age (years) | 100.0 | 100.0 | 100.0 |
| 15–23 | 56.8 | 58.2 | 45.8 |
| 24–29 | 17.3 | 17.6 | 15.5 |
| 30 and older | 25.9 | 24.3 | 38.7 |
| Institution type | | | |
| 4-year | 46.6 | 47.2 | 42.1 |
| 2-year | 42.7 | 42.2 | 47.2 |
| Less than 2-year | 3.1 | 3.1 | 3.6 |
| More than one institution | 7.5 | 7.6 | 7.2 |
| Type of aid for those with financial aid | | | |
| Grants only | 36.6 | 36.9 | 34.0 |
| Loans only | 13.4 | 13.4 | 13.2 |
| Work study only | 1.0 | 1.0 | 1.0 |
| Other only | 2.5 | 2.3 | 4.3 |
| Grants and loans | 28.5 | 28.4 | 30.0 |
| Grants and work study | 2.9 | 2.9 | 2.7 |
| Grants, loans, and work study | 6.1 | 6.2 | 5.4 |
| Grants, loans, and other | 3.5 | 3.5 | 3.6 |
| Other combination | 5.6 | 5.6 | 5.9 |
| Enrollment status | | | |
| Full time | | | |
| Full year | | | |
| One institution | 37.5 | 38.2 | 32.6 |
| More than one institution | 3.5 | 3.6 | 3.0 |
| Part year | 13.8 | 13.6 | 15.2 |
| Part time | | | |
| Full year | | | |
| One institution | 20.8 | 20.7 | 21.9 |
| More than one institution | 2.0 | 2.0 | 2.0 |
| Part year | 22.4 | 22.0 | 25.3 |

NOTES: For disability status, those who reported any type of disability related to blindness, deafness, severe vision or hearing impairment, substantial limitation of mobility, or any other physical, mental, or emotional condition that lasted 6 months or more were classified as "with disability." Differences in number of undergraduates in this table and tables B-1 through B-5 primarily reflect differences in the population of institutions surveyed. See U.S. Department of Education, National Center for Education Statistics, *Estimating Undergraduate Enrollment in Postsecondary Education Using National Center for Education Statistics Data* (NCES 2005-063) at <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2005063> for further explanation of these differences. Age categories used are consistent with those used in National Center for Education Statistics tables based on this survey.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 2004.

TABLE B-7. Major field of study of undergraduates, by disability status: 2004
(Percent distribution)

| Major field of study | All | | With disability |
|-------------------------------|----------------|---------------|-----------------|
| | undergraduates | No disability | |
| All fields (number) | 19,054,000 | 16,897,500 | 2,156,400 |
| All fields | 100.0 | 100.0 | 100.0 |
| Business/management | 19.8 | 20.0 | 18.7 |
| Education | 8.5 | 8.6 | 8.1 |
| Health | 16.4 | 16.4 | 15.7 |
| Humanities | 13.2 | 13.1 | 13.8 |
| S&E | 26.7 | 26.7 | 26.9 |
| Computer/information sciences | 6.2 | 6.1 | 7.2 |
| Engineering | 5.3 | 5.4 | 4.5 |
| Life sciences | 4.9 | 4.9 | 4.7 |
| Mathematics | 0.6 | 0.6 | 0.4 |
| Physical sciences | 0.8 | 0.8 | 0.7 |
| Social/behavioral sciences | 8.9 | 8.8 | 9.3 |
| Other | 15.4 | 15.2 | 16.9 |

NOTES: For disability status, those who reported any type of disability related to blindness, deafness, severe vision or hearing impairment, substantial limitation of mobility, or any other physical, mental, or emotional condition that lasted 6 months or more were classified as "with disability." Differences in number of undergraduates in this table and tables B-1 through B-5 primarily reflect differences in the population of institutions surveyed. See U.S. Department of Education, National Center for Education Statistics, *Estimating Undergraduate Enrollment in Postsecondary Education Using National Center for Education Statistics Data* (NCES 2005-063) at <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2005063> for further explanation of these differences.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 2004.

TABLE B-8. Intentions of freshmen to major in S&E fields, by race/ethnicity and sex: 2006
(Percent)

| Race/ethnicity and sex | All S&E majors | Biological/ agricultural sciences | Computer sciences | Engineering | Mathematics/ statistics | Physical sciences | Social/ behavioral sciences |
|--|----------------|---|----------------------|-------------|----------------------------|----------------------|-----------------------------------|
| All races/ethnicities | 32.0 | 8.8 | 1.6 | 8.0 | 0.8 | 2.3 | 10.5 |
| Female | 27.2 | 9.6 | 0.4 | 2.5 | 0.6 | 2.0 | 12.1 |
| Male | 37.9 | 8.1 | 3.0 | 14.5 | 0.9 | 2.8 | 8.6 |
| White | 29.5 | 7.5 | 1.5 | 7.6 | 0.8 | 2.5 | 9.6 |
| Female | 24.2 | 8.1 | 0.3 | 2.2 | 0.7 | 1.9 | 11.0 |
| Male | 36.4 | 7.0 | 3.0 | 14.2 | 0.9 | 3.0 | 8.3 |
| Asian | 44.7 | 17.3 | 1.5 | 11.7 | 1.1 | 2.8 | 10.3 |
| Female | 39.4 | 18.7 | 0.5 | 4.6 | 0.9 | 2.5 | 12.2 |
| Male | 50.7 | 15.3 | 2.8 | 19.7 | 1.3 | 3.3 | 8.3 |
| Black | 34.0 | 9.4 | 2.2 | 7.2 | 0.5 | 1.6 | 13.1 |
| Female | 32.1 | 11.0 | 1.1 | 2.3 | 0.4 | 1.6 | 15.7 |
| Male | 36.3 | 6.8 | 3.8 | 14.4 | 0.8 | 1.8 | 8.7 |
| Hispanic of Mexican/Chicano/Puerto Rican descent | 35.9 | 9.8 | 1.2 | 6.4 | 0.9 | 2.1 | 15.5 |
| Female | 32.5 | 10.1 | 0.1 | 2.1 | 0.7 | 1.6 | 17.9 |
| Male | 40.8 | 9.2 | 3.1 | 13.5 | 1.1 | 2.6 | 11.3 |
| Other Hispanic | 36.7 | 10.0 | 1.3 | 7.6 | 0.6 | 1.8 | 15.4 |
| Female | 34.2 | 10.6 | 0.3 | 2.8 | 0.6 | 1.5 | 18.4 |
| Male | 40.1 | 8.9 | 2.8 | 14.6 | 0.9 | 1.9 | 11.0 |
| American Indian | 34.4 | 10.0 | 1.6 | 7.5 | 0.4 | 2.7 | 12.2 |
| Female | 30.8 | 11.9 | 0.4 | 2.4 | 0.2 | 2.4 | 13.5 |
| Male | 39.5 | 7.7 | 3.3 | 14.2 | 0.7 | 3.2 | 10.4 |

NOTE: Includes first-year students at all 4-year colleges. Race/ethnicity categories are those used in the survey's data collection.

SOURCE: Higher Education Research Institute, University of California at Los Angeles, Survey of the American Freshman, special tabulations (Los Angeles, CA, 2007).

TABLE B-9. Undergraduate enrollment in engineering programs, by sex, race/ethnicity, and citizenship: 1995–2006

| Year and status | All | Female | Male | White | Asian | Black | Hispanic | Native American | Foreign national |
|-------------------------------------|----------------|--------|---------|---------|--------|--------|----------|-----------------|------------------|
| | undergraduates | | | | | | | | |
| Number | | | | | | | | | |
| All enrolled | | | | | | | | | |
| 1995 | 363,315 | 67,286 | 296,029 | 249,896 | 38,329 | 25,569 | 25,998 | 2,103 | 21,420 |
| 1996 | 356,177 | 67,618 | 288,559 | 243,270 | 37,873 | 24,922 | 26,483 | 2,396 | 21,233 |
| 1997 | 365,358 | 70,765 | 294,593 | 246,950 | 39,475 | 24,809 | 30,580 | 2,422 | 21,122 |
| 1998 | 366,991 | 72,393 | 294,598 | 248,439 | 40,523 | 25,699 | 28,802 | 2,418 | 21,110 |
| 1999 | 361,395 | 71,376 | 290,019 | 243,560 | 39,891 | 25,419 | 29,111 | 2,396 | 21,018 |
| 2000 | 390,803 | 76,027 | 314,776 | 263,931 | 44,652 | 26,096 | 31,107 | 2,385 | 22,632 |
| 2001 | 409,557 | 78,468 | 331,089 | 275,248 | 47,937 | 27,442 | 31,482 | 2,458 | 24,990 |
| 2002 | 421,178 | 77,952 | 343,226 | 286,246 | 49,696 | 26,433 | 33,311 | 2,362 | 23,130 |
| 2003 | 421,791 | 75,934 | 345,857 | 284,498 | 49,602 | 25,986 | 35,230 | 2,425 | 24,050 |
| 2004 | 419,387 | 74,139 | 345,248 | 284,610 | 47,872 | 25,313 | 35,060 | 2,458 | 24,074 |
| 2005 | 409,326 | 70,579 | 338,747 | 282,421 | 43,385 | 24,343 | 35,198 | 2,295 | 21,684 |
| 2006 | 405,489 | 69,869 | 335,620 | 277,921 | 43,902 | 23,414 | 36,389 | 2,598 | 21,265 |
| Full-time, first-year undergraduate | | | | | | | | | |
| 1995 | 86,299 | 17,197 | 69,102 | 59,864 | 7,767 | 7,890 | 6,500 | 601 | 3,677 |
| 1996 | 85,375 | 17,000 | 68,375 | 58,929 | 7,997 | 7,482 | 6,602 | 656 | 3,709 |
| 1997 | 90,882 | 17,943 | 72,939 | 61,882 | 9,125 | 7,403 | 7,757 | 688 | 4,027 |
| 1998 | 94,909 | 18,628 | 76,281 | 65,578 | 9,509 | 8,028 | 7,018 | 719 | 4,057 |
| 1999 | 93,951 | 18,032 | 75,919 | 64,472 | 9,570 | 7,989 | 7,070 | 676 | 4,174 |
| 2000 | 101,773 | 19,257 | 82,516 | 69,566 | 11,091 | 8,192 | 7,571 | 629 | 4,724 |
| 2001 | 106,825 | 19,509 | 87,316 | 72,848 | 11,446 | 8,552 | 7,715 | 663 | 5,601 |
| 2002 | 107,086 | 18,447 | 88,639 | 74,710 | 11,157 | 8,108 | 7,991 | 656 | 4,464 |
| 2003 | 103,834 | 17,047 | 86,787 | 72,471 | 10,421 | 7,619 | 8,403 | 642 | 4,278 |
| 2004 | 103,361 | 16,896 | 86,465 | 72,547 | 10,145 | 7,374 | 8,268 | 696 | 4,331 |
| 2005 | 100,411 | 16,238 | 84,173 | 70,732 | 9,281 | 7,212 | 8,338 | 623 | 4,225 |
| 2006 | 100,228 | 16,751 | 83,477 | 69,369 | 9,796 | 7,112 | 8,773 | 715 | 4,463 |
| Percent distribution | | | | | | | | | |
| All enrolled | | | | | | | | | |
| 1995 | 100.0 | 18.5 | 81.5 | 68.8 | 10.5 | 7.0 | 7.2 | 0.6 | 5.9 |
| 1996 | 100.0 | 19.0 | 81.0 | 68.3 | 10.6 | 7.0 | 7.4 | 0.7 | 6.0 |
| 1997 | 100.0 | 19.4 | 80.6 | 67.6 | 10.8 | 6.8 | 8.4 | 0.7 | 5.8 |
| 1998 | 100.0 | 19.7 | 80.3 | 67.7 | 11.0 | 7.0 | 7.8 | 0.7 | 5.8 |
| 1999 | 100.0 | 19.8 | 80.2 | 67.4 | 11.0 | 7.0 | 8.1 | 0.7 | 5.8 |
| 2000 | 100.0 | 19.5 | 80.5 | 67.5 | 11.4 | 6.7 | 8.0 | 0.6 | 5.8 |
| 2001 | 100.0 | 19.2 | 80.8 | 67.2 | 11.7 | 6.7 | 7.7 | 0.6 | 6.1 |
| 2002 | 100.0 | 18.5 | 81.5 | 68.0 | 11.8 | 6.3 | 7.9 | 0.6 | 5.5 |
| 2003 | 100.0 | 18.0 | 82.0 | 67.4 | 11.8 | 6.2 | 8.4 | 0.6 | 5.7 |
| 2004 | 100.0 | 17.7 | 82.3 | 67.9 | 11.4 | 6.0 | 8.4 | 0.6 | 5.7 |
| 2005 | 100.0 | 17.2 | 82.8 | 69.0 | 10.6 | 5.9 | 8.6 | 0.6 | 5.3 |
| 2006 | 100.0 | 17.2 | 82.8 | 68.5 | 10.8 | 5.8 | 9.0 | 0.6 | 5.2 |
| Full-time, first-year undergraduate | | | | | | | | | |
| 1995 | 100.0 | 19.9 | 80.1 | 69.4 | 9.0 | 9.1 | 7.5 | 0.7 | 4.3 |
| 1996 | 100.0 | 19.9 | 80.1 | 69.0 | 9.4 | 8.8 | 7.7 | 0.8 | 4.3 |
| 1997 | 100.0 | 19.7 | 80.3 | 68.1 | 10.0 | 8.1 | 8.5 | 0.8 | 4.4 |
| 1998 | 100.0 | 19.6 | 80.4 | 69.1 | 10.0 | 8.5 | 7.4 | 0.8 | 4.3 |
| 1999 | 100.0 | 19.2 | 80.8 | 68.6 | 10.2 | 8.5 | 7.5 | 0.7 | 4.4 |
| 2000 | 100.0 | 18.9 | 81.1 | 68.4 | 10.9 | 8.0 | 7.4 | 0.6 | 4.6 |
| 2001 | 100.0 | 18.3 | 81.7 | 68.2 | 10.7 | 8.0 | 7.2 | 0.6 | 5.2 |
| 2002 | 100.0 | 17.2 | 82.8 | 69.8 | 10.4 | 7.6 | 7.5 | 0.6 | 4.2 |
| 2003 | 100.0 | 16.4 | 83.6 | 69.8 | 10.0 | 7.3 | 8.1 | 0.6 | 4.1 |
| 2004 | 100.0 | 16.3 | 83.7 | 70.2 | 9.8 | 7.1 | 8.0 | 0.7 | 4.2 |
| 2005 | 100.0 | 16.2 | 83.8 | 70.4 | 9.2 | 7.2 | 8.3 | 0.6 | 4.2 |
| 2006 | 100.0 | 16.7 | 83.3 | 69.2 | 9.8 | 7.1 | 8.8 | 0.7 | 4.5 |

NOTE: Race/ethnicity/citizenship categories are those used in the survey's data collection.

SOURCE: Engineering Workforce Commission, *Engineering & Technology Enrollments: Fall 2006* (Washington, DC, 2007).

TABLE B-10. Undergraduate enrollment in engineering programs, by sex, race/ethnicity, and citizenship: 2006

| Sex and status | All | White | Asian | Black | Hispanic | Native | Foreign |
|-----------------------|----------------|---------|--------|--------|----------|----------|----------|
| | undergraduates | | | | | American | national |
| Number | | | | | | | |
| All enrolled | 405,489 | 277,921 | 43,902 | 23,414 | 36,389 | 2,598 | 21,265 |
| Male | 335,620 | 235,849 | 34,743 | 17,316 | 28,464 | 2,038 | 17,210 |
| Female | 69,869 | 42,072 | 9,159 | 6,098 | 7,925 | 560 | 4,055 |
| Full time, first year | 100,228 | 69,369 | 9,796 | 7,112 | 8,773 | 715 | 4,463 |
| Male | 83,477 | 59,127 | 7,784 | 5,376 | 6,969 | 535 | 3,686 |
| Female | 16,751 | 10,242 | 2,012 | 1,736 | 1,804 | 180 | 777 |
| Percent distribution | | | | | | | |
| All enrolled | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Male | 82.8 | 84.9 | 79.1 | 74.0 | 78.2 | 78.4 | 80.9 |
| Female | 17.2 | 15.1 | 20.9 | 26.0 | 21.8 | 21.6 | 19.1 |
| Full time, first year | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Male | 83.3 | 85.2 | 79.5 | 75.6 | 79.4 | 74.8 | 82.6 |
| Female | 16.7 | 14.8 | 20.5 | 24.4 | 20.6 | 25.2 | 17.4 |

NOTE: Race/ethnicity/citizenship categories are those used in the survey's data collection.

SOURCE: Engineering Workforce Commission, *Engineering & Technology Enrollments: Fall 2006* (Washington, DC, 2007).

TABLE C-1. Associate's degrees, by field and sex: 1997–2006

| Field and sex | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Both sexes | | | | | | | | | |
| All fields | 546,031 | 549,191 | 543,876 | 552,046 | 553,735 | 595,223 | 605,403 | 640,910 | 648,606 |
| S&E | 25,771 | 28,646 | 33,651 | 38,063 | 42,200 | 51,782 | 49,420 | 45,686 | 42,523 |
| Sciences | 23,883 | 26,539 | 31,921 | 36,272 | 40,553 | 49,966 | 47,280 | 43,614 | 40,618 |
| Agricultural sciences | 1,865 | 2,007 | 1,943 | 2,083 | 1,983 | 1,993 | 1,941 | 1,875 | 1,900 |
| Biological sciences | 2,181 | 2,176 | 1,468 | 1,519 | 1,519 | 1,783 | 1,749 | 1,985 | 2,039 |
| Computer sciences | 10,632 | 12,899 | 18,928 | 23,106 | 26,916 | 35,789 | 32,176 | 27,641 | 24,345 |
| Earth, atmospheric, and ocean sciences | 191 | 180 | 174 | 181 | 58 | 186 | 40 | 182 | 210 |
| Mathematics and statistics | 793 | 843 | 670 | 692 | 683 | 733 | 797 | 801 | 749 |
| Physical sciences | 1,540 | 1,518 | 1,271 | 1,136 | 1,284 | 1,085 | 1,545 | 1,556 | 1,639 |
| Psychology | 1,606 | 1,760 | 1,445 | 1,538 | 1,691 | 1,766 | 1,869 | 1,927 | 1,925 |
| Social sciences | 5,075 | 5,156 | 6,022 | 6,017 | 6,419 | 6,631 | 7,163 | 7,647 | 7,811 |
| Engineering | 1,888 | 2,107 | 1,730 | 1,791 | 1,647 | 1,816 | 2,140 | 2,072 | 1,905 |
| Non-S&E | 520,260 | 520,545 | 510,225 | 513,983 | 511,535 | 543,441 | 555,983 | 595,224 | 606,083 |
| Engineering technologies | 35,221 | 35,163 | 35,544 | 35,413 | 31,557 | 34,007 | 29,681 | 28,769 | 26,742 |
| Other non-S&E | 485,039 | 485,382 | 474,681 | 478,570 | 479,978 | 509,434 | 526,302 | 566,455 | 579,341 |
| Female | | | | | | | | | |
| All fields | 333,333 | 333,303 | 327,720 | 332,035 | 338,606 | 359,140 | 375,374 | 395,233 | 401,508 |
| S&E | 13,135 | 14,041 | 16,465 | 17,948 | 18,781 | 21,553 | 20,354 | 18,343 | 17,273 |
| Sciences | 12,864 | 13,718 | 16,227 | 17,651 | 18,510 | 21,264 | 19,879 | 18,055 | 16,992 |
| Agricultural sciences | 669 | 740 | 784 | 781 | 758 | 765 | 705 | 641 | 728 |
| Biological sciences | 1,392 | 1,383 | 974 | 1,022 | 1,035 | 1,204 | 1,142 | 1,311 | 1,327 |
| Computer sciences | 4,912 | 5,762 | 8,201 | 9,565 | 10,014 | 12,563 | 10,522 | 8,287 | 6,969 |
| Earth, atmospheric, and ocean sciences | 65 | 52 | 58 | 58 | 21 | 63 | 19 | 65 | 73 |
| Mathematics and statistics | 349 | 353 | 263 | 243 | 240 | 268 | 296 | 275 | 270 |
| Physical sciences | 807 | 811 | 671 | 552 | 610 | 509 | 669 | 624 | 666 |
| Psychology | 1,230 | 1,157 | 1,119 | 1,183 | 1,324 | 1,329 | 1,440 | 1,484 | 1,484 |
| Social sciences | 3,440 | 3,460 | 4,157 | 4,247 | 4,508 | 4,563 | 5,086 | 5,368 | 5,475 |
| Engineering | 271 | 323 | 238 | 297 | 271 | 289 | 475 | 288 | 281 |
| Non-S&E | 320,198 | 319,262 | 311,255 | 314,087 | 319,825 | 337,587 | 355,020 | 376,890 | 384,235 |
| Engineering technologies | 5,231 | 5,214 | 5,465 | 5,666 | 5,020 | 5,676 | 4,540 | 4,504 | 4,205 |
| Other non-S&E | 314,967 | 314,048 | 305,790 | 308,421 | 314,805 | 331,911 | 350,480 | 372,386 | 380,030 |
| Male | | | | | | | | | |
| All fields | 212,698 | 215,888 | 216,156 | 220,011 | 215,129 | 236,083 | 230,029 | 245,677 | 247,098 |
| S&E | 12,636 | 14,605 | 17,186 | 20,115 | 23,419 | 30,229 | 29,066 | 27,343 | 25,250 |
| Sciences | 11,019 | 12,821 | 15,694 | 18,621 | 22,043 | 28,702 | 27,401 | 25,559 | 23,626 |
| Agricultural sciences | 1,196 | 1,267 | 1,159 | 1,302 | 1,225 | 1,228 | 1,236 | 1,234 | 1,172 |
| Biological sciences | 789 | 793 | 494 | 497 | 484 | 579 | 607 | 674 | 712 |
| Computer sciences | 5,720 | 7,137 | 10,727 | 13,541 | 16,902 | 23,226 | 21,654 | 19,354 | 17,376 |
| Earth, atmospheric, and ocean sciences | 126 | 128 | 116 | 123 | 37 | 123 | 21 | 117 | 137 |
| Mathematics and statistics | 444 | 490 | 407 | 449 | 443 | 465 | 501 | 526 | 479 |
| Physical sciences | 733 | 707 | 600 | 584 | 674 | 576 | 876 | 932 | 973 |
| Psychology | 376 | 603 | 326 | 355 | 367 | 437 | 429 | 443 | 441 |
| Social sciences | 1,635 | 1,696 | 1,865 | 1,770 | 1,911 | 2,068 | 2,077 | 2,279 | 2,336 |
| Engineering | 1,617 | 1,784 | 1,492 | 1,494 | 1,376 | 1,527 | 1,665 | 1,784 | 1,624 |
| Non-S&E | 200,062 | 201,283 | 198,970 | 199,896 | 191,710 | 205,854 | 200,963 | 218,334 | 221,848 |
| Engineering technologies | 29,990 | 29,949 | 30,079 | 29,747 | 26,537 | 28,331 | 25,141 | 24,265 | 22,537 |
| Other non-S&E | 170,072 | 171,334 | 168,891 | 170,149 | 165,173 | 177,523 | 175,822 | 194,069 | 199,311 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-2. Associate's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 546,031 | 549,191 | 543,876 | 552,046 | 553,735 | 595,223 | 605,403 | 640,910 | 648,606 |
| S&E | 25,771 | 28,646 | 33,651 | 38,063 | 42,200 | 51,782 | 49,420 | 45,686 | 42,523 |
| Sciences | 23,883 | 26,539 | 31,921 | 36,272 | 40,553 | 49,966 | 47,280 | 43,614 | 40,618 |
| Agricultural sciences | 1,865 | 2,007 | 1,943 | 2,083 | 1,983 | 1,993 | 1,941 | 1,875 | 1,900 |
| Biological sciences | 2,181 | 2,176 | 1,468 | 1,519 | 1,519 | 1,783 | 1,749 | 1,985 | 2,039 |
| Computer sciences | 10,632 | 12,899 | 18,928 | 23,106 | 26,916 | 35,789 | 32,176 | 27,641 | 24,345 |
| Earth, atmospheric, and ocean sciences | 191 | 180 | 174 | 181 | 58 | 186 | 40 | 182 | 210 |
| Mathematics and statistics | 793 | 843 | 670 | 692 | 683 | 733 | 797 | 801 | 749 |
| Physical sciences | 1,540 | 1,518 | 1,271 | 1,136 | 1,284 | 1,085 | 1,545 | 1,556 | 1,639 |
| Psychology | 1,606 | 1,760 | 1,445 | 1,538 | 1,691 | 1,766 | 1,869 | 1,927 | 1,925 |
| Social sciences | 5,075 | 5,156 | 6,022 | 6,017 | 6,419 | 6,631 | 7,163 | 7,647 | 7,811 |
| Engineering | 1,888 | 2,107 | 1,730 | 1,791 | 1,647 | 1,816 | 2,140 | 2,072 | 1,905 |
| Non-S&E | 520,260 | 520,545 | 510,225 | 513,983 | 511,535 | 543,441 | 555,983 | 595,224 | 606,083 |
| Engineering technologies | 35,221 | 35,163 | 35,544 | 35,413 | 31,557 | 34,007 | 29,681 | 28,769 | 26,742 |
| Other non-S&E | 485,039 | 485,382 | 474,681 | 478,570 | 479,978 | 509,434 | 526,302 | 566,455 | 579,341 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 535,432 | 537,146 | 533,982 | 540,911 | 541,689 | 582,148 | 591,222 | 627,194 | 635,591 |
| S&E | 25,012 | 27,693 | 32,827 | 36,980 | 40,825 | 50,243 | 47,859 | 44,368 | 41,451 |
| Sciences | 23,191 | 25,719 | 31,165 | 35,285 | 39,235 | 48,507 | 45,827 | 42,416 | 39,632 |
| Agricultural sciences | 1,846 | 1,956 | 1,920 | 2,037 | 1,931 | 1,982 | 1,898 | 1,861 | 1,858 |
| Biological sciences | 2,103 | 2,094 | 1,441 | 1,484 | 1,489 | 1,734 | 1,692 | 1,927 | 1,975 |
| Computer sciences | 10,370 | 12,564 | 18,462 | 22,460 | 25,932 | 34,689 | 31,184 | 26,902 | 23,825 |
| Earth, atmospheric, and ocean sciences | 189 | 180 | 173 | 177 | 57 | 186 | 38 | 182 | 208 |
| Mathematics and statistics | 749 | 794 | 637 | 650 | 647 | 687 | 750 | 741 | 696 |
| Physical sciences | 1,448 | 1,443 | 1,216 | 1,103 | 1,240 | 1,027 | 1,460 | 1,440 | 1,514 |
| Psychology | 1,567 | 1,702 | 1,423 | 1,513 | 1,655 | 1,723 | 1,826 | 1,889 | 1,903 |
| Social sciences | 4,919 | 4,986 | 5,893 | 5,861 | 6,284 | 6,479 | 6,979 | 7,474 | 7,653 |
| Engineering | 1,821 | 1,974 | 1,662 | 1,695 | 1,590 | 1,736 | 2,032 | 1,952 | 1,819 |
| Non-S&E | 510,420 | 509,453 | 501,155 | 503,931 | 500,864 | 531,905 | 543,363 | 582,826 | 594,140 |
| Engineering technologies | 34,761 | 34,435 | 35,215 | 34,742 | 31,136 | 33,572 | 29,202 | 28,422 | 26,431 |
| Other non-S&E | 475,659 | 475,018 | 465,940 | 469,189 | 469,728 | 498,333 | 514,161 | 554,404 | 567,709 |
| White | | | | | | | | | |
| All fields | 400,307 | 396,735 | 380,777 | 378,041 | 372,372 | 393,947 | 393,977 | 417,202 | 421,159 |
| S&E | 16,835 | 18,415 | 20,982 | 23,970 | 26,204 | 31,433 | 29,640 | 27,588 | 25,651 |
| Sciences | 15,472 | 16,977 | 19,856 | 22,768 | 25,033 | 30,183 | 28,270 | 26,246 | 24,407 |
| Agricultural sciences | 1,680 | 1,768 | 1,718 | 1,824 | 1,715 | 1,788 | 1,681 | 1,703 | 1,673 |
| Biological sciences | 1,310 | 1,304 | 930 | 979 | 1,013 | 1,132 | 1,083 | 1,222 | 1,120 |
| Computer sciences | 7,052 | 8,473 | 11,821 | 14,438 | 16,446 | 21,550 | 19,329 | 16,774 | 15,022 |
| Earth, atmospheric, and ocean sciences | 160 | 155 | 150 | 156 | 54 | 146 | 34 | 143 | 169 |
| Mathematics and statistics | 492 | 501 | 379 | 358 | 381 | 372 | 436 | 408 | 377 |
| Physical sciences | 999 | 952 | 799 | 753 | 886 | 686 | 920 | 936 | 946 |
| Psychology | 1,087 | 1,068 | 952 | 1,005 | 1,111 | 1,111 | 1,141 | 1,124 | 1,138 |
| Social sciences | 2,692 | 2,756 | 3,107 | 3,255 | 3,427 | 3,398 | 3,646 | 3,936 | 3,962 |
| Engineering | 1,363 | 1,438 | 1,126 | 1,202 | 1,171 | 1,250 | 1,370 | 1,342 | 1,244 |
| Non-S&E | 383,472 | 378,320 | 359,795 | 354,071 | 346,168 | 362,514 | 364,337 | 389,614 | 395,508 |
| Engineering technologies | 26,522 | 26,208 | 25,643 | 24,999 | 21,971 | 23,383 | 20,541 | 20,787 | 19,303 |
| Other non-S&E | 356,950 | 352,112 | 334,152 | 329,072 | 324,197 | 339,131 | 343,796 | 368,827 | 376,205 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 23,882 | 23,909 | 25,654 | 25,780 | 28,032 | 28,929 | 28,855 | 29,782 | 30,957 |
| S&E | 1,700 | 1,884 | 2,384 | 2,502 | 2,877 | 3,438 | 3,158 | 2,749 | 2,472 |
| Sciences | 1,552 | 1,718 | 2,224 | 2,372 | 2,780 | 3,326 | 3,023 | 2,613 | 2,346 |
| Agricultural sciences | 4 | 8 | 19 | 9 | 9 | 9 | 18 | 11 | 10 |
| Biological sciences | 264 | 248 | 109 | 94 | 91 | 142 | 148 | 204 | 223 |
| Computer sciences | 661 | 820 | 1,381 | 1,651 | 2,026 | 2,465 | 2,004 | 1,509 | 1,183 |
| Earth, atmospheric, and ocean sciences | 4 | 3 | 1 | 0 | 0 | 5 | 0 | 2 | 3 |
| Mathematics and statistics | 87 | 100 | 90 | 106 | 91 | 102 | 100 | 95 | 84 |

TABLE C-2. Associate's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physical sciences | 176 | 170 | 145 | 81 | 86 | 105 | 190 | 175 | 206 |
| Psychology | 63 | 53 | 51 | 53 | 50 | 74 | 75 | 72 | 79 |
| Social sciences | 293 | 316 | 428 | 378 | 427 | 424 | 488 | 545 | 558 |
| Engineering | 148 | 166 | 160 | 130 | 97 | 112 | 135 | 136 | 126 |
| Non-S&E | 22,182 | 22,025 | 23,270 | 23,278 | 25,155 | 25,491 | 25,697 | 27,033 | 28,485 |
| Engineering technologies | 1,586 | 1,521 | 1,752 | 1,725 | 1,711 | 1,905 | 1,314 | 1,083 | 1,004 |
| Other non-S&E | 20,596 | 20,504 | 21,518 | 21,553 | 23,444 | 23,586 | 24,383 | 25,950 | 27,481 |
| Black | | | | | | | | | |
| All fields | 51,588 | 52,957 | 55,154 | 57,851 | 58,454 | 66,047 | 66,741 | 72,566 | 73,646 |
| S&E | 2,577 | 2,856 | 3,856 | 4,351 | 4,859 | 6,457 | 5,856 | 5,379 | 5,229 |
| Sciences | 2,446 | 2,747 | 3,733 | 4,247 | 4,741 | 6,340 | 5,706 | 5,217 | 5,102 |
| Agricultural sciences | 11 | 9 | 18 | 3 | 14 | 13 | 18 | 8 | 17 |
| Biological sciences | 140 | 155 | 137 | 127 | 121 | 145 | 135 | 147 | 188 |
| Computer sciences | 1,182 | 1,531 | 2,445 | 3,035 | 3,506 | 4,950 | 4,281 | 3,718 | 3,436 |
| Earth, atmospheric, and ocean sciences | 9 | 14 | 13 | 9 | 1 | 17 | 0 | 17 | 16 |
| Mathematics and statistics | 37 | 33 | 36 | 50 | 27 | 41 | 36 | 35 | 35 |
| Physical sciences | 96 | 112 | 85 | 80 | 77 | 63 | 73 | 78 | 95 |
| Psychology | 125 | 111 | 135 | 142 | 140 | 144 | 158 | 172 | 196 |
| Social sciences | 846 | 782 | 864 | 801 | 855 | 967 | 1,005 | 1,042 | 1,119 |
| Engineering | 131 | 109 | 123 | 104 | 118 | 117 | 150 | 162 | 127 |
| Non-S&E | 49,011 | 50,101 | 51,298 | 53,500 | 53,595 | 59,590 | 60,885 | 67,187 | 68,417 |
| Engineering technologies | 2,982 | 3,156 | 3,321 | 3,372 | 2,795 | 3,280 | 2,536 | 2,602 | 2,563 |
| Other non-S&E | 46,029 | 46,945 | 47,977 | 50,128 | 50,800 | 56,310 | 58,349 | 64,585 | 65,854 |
| Hispanic | | | | | | | | | |
| All fields | 42,784 | 45,452 | 50,488 | 54,333 | 55,900 | 59,942 | 63,669 | 68,205 | 69,610 |
| S&E | 2,773 | 3,103 | 3,868 | 4,131 | 4,531 | 5,539 | 5,374 | 5,205 | 4,892 |
| Sciences | 2,661 | 2,907 | 3,690 | 3,945 | 4,402 | 5,388 | 5,106 | 5,004 | 4,707 |
| Agricultural sciences | 75 | 85 | 77 | 109 | 86 | 68 | 54 | 43 | 58 |
| Biological sciences | 276 | 289 | 183 | 220 | 188 | 216 | 207 | 227 | 278 |
| Computer sciences | 1,065 | 1,299 | 2,033 | 2,154 | 2,567 | 3,391 | 3,007 | 2,708 | 2,335 |
| Earth, atmospheric, and ocean sciences | 8 | 3 | 1 | 1 | 1 | 1 | 2 | 5 | 3 |
| Mathematics and statistics | 110 | 120 | 97 | 99 | 105 | 124 | 131 | 154 | 154 |
| Physical sciences | 102 | 119 | 106 | 113 | 98 | 95 | 133 | 137 | 151 |
| Psychology | 209 | 180 | 192 | 218 | 259 | 293 | 333 | 379 | 361 |
| Social sciences | 816 | 812 | 1,001 | 1,031 | 1,098 | 1,200 | 1,239 | 1,351 | 1,367 |
| Engineering | 112 | 196 | 178 | 186 | 129 | 151 | 268 | 201 | 185 |
| Non-S&E | 40,011 | 42,349 | 46,620 | 50,202 | 51,369 | 54,403 | 58,295 | 63,000 | 64,718 |
| Engineering technologies | 2,728 | 2,621 | 3,283 | 3,369 | 3,069 | 2,829 | 2,863 | 2,405 | 2,159 |
| Other non-S&E | 37,283 | 39,728 | 43,337 | 46,833 | 48,300 | 51,574 | 55,432 | 60,595 | 62,559 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 5,520 | 6,161 | 5,697 | 5,758 | 5,965 | 6,515 | 6,886 | 7,059 | 7,248 |
| S&E | 455 | 500 | 525 | 501 | 577 | 679 | 709 | 686 | 674 |
| Sciences | 430 | 478 | 508 | 485 | 562 | 660 | 675 | 658 | 654 |
| Agricultural sciences | 54 | 64 | 67 | 48 | 49 | 53 | 58 | 55 | 56 |
| Biological sciences | 46 | 37 | 37 | 32 | 41 | 27 | 45 | 44 | 66 |
| Computer sciences | 120 | 148 | 188 | 208 | 217 | 326 | 289 | 237 | 240 |
| Earth, atmospheric, and ocean sciences | 1 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Mathematics and statistics | 2 | 13 | 7 | 12 | 7 | 13 | 10 | 13 | 10 |
| Physical sciences | 20 | 30 | 13 | 17 | 17 | 16 | 24 | 24 | 24 |
| Psychology | 38 | 37 | 38 | 34 | 32 | 31 | 36 | 56 | 41 |
| Social sciences | 149 | 146 | 158 | 134 | 199 | 192 | 213 | 229 | 215 |
| Engineering | 25 | 22 | 17 | 16 | 15 | 19 | 34 | 28 | 20 |
| Non-S&E | 5,065 | 5,661 | 5,172 | 5,257 | 5,388 | 5,836 | 6,177 | 6,373 | 6,574 |
| Engineering technologies | 236 | 286 | 273 | 253 | 239 | 314 | 341 | 278 | 285 |
| Other non-S&E | 4,829 | 5,375 | 4,899 | 5,004 | 5,149 | 5,522 | 5,836 | 6,095 | 6,289 |

TABLE C-2. Associate's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 11,351 | 11,932 | 16,212 | 19,148 | 20,966 | 26,768 | 31,094 | 32,380 | 32,971 |
| S&E | 672 | 935 | 1,212 | 1,525 | 1,777 | 2,697 | 3,122 | 2,761 | 2,533 |
| Sciences | 630 | 892 | 1,154 | 1,468 | 1,717 | 2,610 | 3,047 | 2,678 | 2,416 |
| Agricultural sciences | 22 | 22 | 21 | 44 | 58 | 51 | 69 | 41 | 44 |
| Biological sciences | 67 | 61 | 45 | 32 | 35 | 72 | 74 | 83 | 100 |
| Computer sciences | 290 | 293 | 594 | 974 | 1,170 | 2,007 | 2,274 | 1,956 | 1,609 |
| Earth, atmospheric, and ocean sciences | 7 | 2 | 8 | 11 | 1 | 15 | 2 | 15 | 15 |
| Mathematics and statistics | 21 | 27 | 28 | 25 | 36 | 35 | 37 | 36 | 36 |
| Physical sciences | 55 | 60 | 68 | 59 | 76 | 62 | 120 | 90 | 92 |
| Psychology | 45 | 253 | 55 | 61 | 63 | 70 | 83 | 86 | 88 |
| Social sciences | 123 | 174 | 335 | 262 | 278 | 298 | 388 | 371 | 432 |
| Engineering | 42 | 43 | 58 | 57 | 60 | 87 | 75 | 83 | 117 |
| Non-S&E | 10,679 | 10,997 | 15,000 | 17,623 | 19,189 | 24,071 | 27,972 | 29,619 | 30,438 |
| Engineering technologies | 707 | 643 | 943 | 1,024 | 1,351 | 1,861 | 1,607 | 1,267 | 1,117 |
| Other non-S&E | 9,972 | 10,354 | 14,057 | 16,599 | 17,838 | 22,210 | 26,365 | 28,352 | 29,321 |
| Temporary resident | | | | | | | | | |
| All fields | 10,599 | 12,045 | 9,894 | 11,135 | 12,046 | 13,075 | 14,181 | 13,716 | 13,015 |
| S&E | 759 | 953 | 824 | 1,083 | 1,375 | 1,539 | 1,561 | 1,318 | 1,072 |
| Sciences | 692 | 820 | 756 | 987 | 1,318 | 1,459 | 1,453 | 1,198 | 986 |
| Agricultural sciences | 19 | 51 | 23 | 46 | 52 | 11 | 43 | 14 | 42 |
| Biological sciences | 78 | 82 | 27 | 35 | 30 | 49 | 57 | 58 | 64 |
| Computer sciences | 262 | 335 | 466 | 646 | 984 | 1,100 | 992 | 739 | 520 |
| Earth, atmospheric, and ocean sciences | 2 | 0 | 1 | 4 | 1 | 0 | 2 | 0 | 2 |
| Mathematics and statistics | 44 | 49 | 33 | 42 | 36 | 46 | 47 | 60 | 53 |
| Physical sciences | 92 | 75 | 55 | 33 | 44 | 58 | 85 | 116 | 125 |
| Psychology | 39 | 58 | 22 | 25 | 36 | 43 | 43 | 38 | 22 |
| Social sciences | 156 | 170 | 129 | 156 | 135 | 152 | 184 | 173 | 158 |
| Engineering | 67 | 133 | 68 | 96 | 57 | 80 | 108 | 120 | 86 |
| Non-S&E | 9,840 | 11,092 | 9,070 | 10,052 | 10,671 | 11,536 | 12,620 | 12,398 | 11,943 |
| Engineering technologies | 460 | 728 | 329 | 671 | 421 | 435 | 479 | 347 | 311 |
| Other non-S&E | 9,380 | 10,364 | 8,741 | 9,381 | 10,250 | 11,101 | 12,141 | 12,051 | 11,632 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-3. S&E and S&E technologies associate's degrees, by sex, citizenship, race/ethnicity, and field: 2006

| Sex, citizenship, and race/ethnicity | Sciences | | | | | | | | | | | | S&E technologies | | | |
|--------------------------------------|------------|--------|--------------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|----------------------|-------------|--------|-------|
| | All fields | S&E | All sciences | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | All S&E technologies | Engineering | Health | Other |
| All degrees | 648,606 | 42,523 | 40,618 | 1,900 | 2,039 | 24,345 | 210 | 749 | 1,639 | 1,925 | 7,811 | 1,905 | 79,540 | 26,742 | 49,890 | 2,908 |
| Female | 401,508 | 17,273 | 16,992 | 728 | 1,327 | 6,969 | 73 | 270 | 666 | 1,484 | 5,475 | 281 | 45,628 | 4,205 | 40,661 | 762 |
| Male | 247,098 | 25,250 | 23,626 | 1,172 | 712 | 17,376 | 137 | 479 | 973 | 441 | 2,336 | 1,624 | 33,912 | 22,537 | 9,229 | 2,146 |
| U.S. citizen/permanent resident | 635,591 | 41,451 | 39,632 | 1,858 | 1,975 | 23,825 | 208 | 696 | 1,514 | 1,903 | 7,653 | 1,819 | 78,752 | 26,431 | 49,434 | 2,887 |
| Female | 393,597 | 16,823 | 16,555 | 693 | 1,280 | 6,806 | 73 | 247 | 615 | 1,470 | 5,371 | 268 | 45,227 | 4,139 | 40,336 | 752 |
| Male | 241,994 | 24,628 | 23,077 | 1,165 | 695 | 17,019 | 135 | 449 | 899 | 433 | 2,282 | 1,551 | 33,525 | 22,292 | 9,098 | 2,135 |
| White | 421,159 | 25,651 | 24,407 | 1,673 | 1,120 | 15,022 | 169 | 377 | 946 | 1,138 | 3,962 | 1,244 | 56,227 | 19,303 | 34,837 | 2,087 |
| Female | 255,451 | 9,371 | 9,206 | 608 | 712 | 3,696 | 54 | 145 | 378 | 874 | 2,739 | 165 | 32,023 | 2,797 | 28,700 | 526 |
| Male | 165,708 | 16,280 | 15,201 | 1,065 | 408 | 11,326 | 115 | 232 | 568 | 264 | 1,223 | 1,079 | 24,204 | 16,506 | 6,137 | 1,561 |
| Asian/Pacific Islander | 30,957 | 2,472 | 2,346 | 10 | 223 | 1,183 | 3 | 84 | 206 | 79 | 558 | 126 | 2,999 | 1,004 | 1,880 | 115 |
| Female | 18,557 | 1,087 | 1,059 | 4 | 148 | 383 | 2 | 31 | 83 | 61 | 347 | 28 | 1,530 | 167 | 1,328 | 35 |
| Male | 12,400 | 1,385 | 1,287 | 6 | 75 | 800 | 1 | 53 | 123 | 18 | 211 | 98 | 1,469 | 837 | 552 | 80 |
| Black | 73,646 | 5,229 | 5,102 | 17 | 188 | 3,436 | 16 | 35 | 95 | 196 | 1,119 | 127 | 8,648 | 2,563 | 5,729 | 356 |
| Female | 50,695 | 2,736 | 2,715 | 6 | 114 | 1,521 | 9 | 14 | 51 | 156 | 844 | 21 | 5,464 | 590 | 4,764 | 110 |
| Male | 22,951 | 2,493 | 2,387 | 11 | 74 | 1,915 | 7 | 21 | 44 | 40 | 275 | 106 | 3,184 | 1,973 | 965 | 246 |
| Hispanic | 69,610 | 4,892 | 4,707 | 58 | 278 | 2,335 | 3 | 154 | 151 | 361 | 1,367 | 185 | 6,717 | 2,159 | 4,391 | 167 |
| Female | 44,827 | 2,312 | 2,288 | 28 | 187 | 682 | 1 | 46 | 66 | 284 | 994 | 24 | 3,790 | 322 | 3,426 | 42 |
| Male | 24,783 | 2,580 | 2,419 | 30 | 91 | 1,653 | 2 | 108 | 85 | 77 | 373 | 161 | 2,927 | 1,837 | 965 | 125 |
| American Indian/Alaska Native | 7,248 | 674 | 654 | 56 | 66 | 240 | 2 | 10 | 24 | 41 | 215 | 20 | 793 | 285 | 490 | 18 |
| Female | 4,869 | 377 | 374 | 23 | 50 | 111 | 0 | 4 | 10 | 29 | 147 | 3 | 482 | 62 | 414 | 6 |
| Male | 2,379 | 297 | 280 | 33 | 16 | 129 | 2 | 6 | 14 | 12 | 68 | 17 | 311 | 223 | 76 | 12 |
| Other or unknown race/ethnicity | 32,971 | 2,533 | 2,416 | 44 | 100 | 1,609 | 15 | 36 | 92 | 88 | 432 | 117 | 3,368 | 1,117 | 2,107 | 144 |
| Female | 19,198 | 940 | 913 | 24 | 69 | 413 | 7 | 7 | 27 | 66 | 300 | 27 | 1,938 | 201 | 1,704 | 33 |
| Male | 13,773 | 1,593 | 1,503 | 20 | 31 | 1,196 | 8 | 29 | 65 | 22 | 132 | 90 | 1,430 | 916 | 403 | 111 |
| Temporary resident | 13,015 | 1,072 | 986 | 42 | 64 | 520 | 2 | 53 | 125 | 22 | 158 | 86 | 788 | 311 | 456 | 21 |
| Female | 7,911 | 450 | 437 | 35 | 47 | 163 | 0 | 23 | 51 | 14 | 104 | 13 | 401 | 66 | 325 | 10 |
| Male | 5,104 | 622 | 549 | 7 | 17 | 357 | 2 | 30 | 74 | 8 | 54 | 73 | 387 | 245 | 131 | 11 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2006.

TABLE C-4. Bachelor's degrees, by sex and field: 1997–2006

| Sex and year | Sciences | | | | | | | | | | | | | |
|-------------------|------------|---------|--------------|--------------------------------------|---------------------|-------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|---------|
| | All fields | S&E | All sciences | Agricultural and Biological sciences | | | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | Non-S&E |
| | | | | Agri-cultural sciences | Biological sciences | Computer sciences | | | | | | | | |
| Number of degrees | | | | | | | | | | | | | | |
| Both sexes | | | | | | | | | | | | | | |
| 1997 | 1,186,589 | 388,482 | 326,130 | 17,361 | 65,139 | 25,393 | 4,466 | 12,723 | 15,264 | 74,734 | 111,050 | 62,352 | 798,107 | |
| 1998 | 1,199,579 | 390,618 | 329,704 | 17,967 | 67,112 | 27,674 | 4,321 | 12,094 | 15,273 | 74,457 | 110,806 | 60,914 | 808,961 | |
| 2000 | 1,253,121 | 398,622 | 339,086 | 18,244 | 64,904 | 37,388 | 4,047 | 11,735 | 14,580 | 74,654 | 113,534 | 59,536 | 854,499 | |
| 2001 | 1,257,648 | 400,206 | 340,948 | 17,467 | 62,089 | 43,184 | 3,968 | 11,455 | 14,163 | 74,168 | 114,454 | 59,258 | 857,442 | |
| 2002 | 1,305,730 | 415,611 | 354,972 | 17,360 | 61,768 | 49,135 | 3,984 | 12,273 | 14,016 | 77,323 | 119,113 | 60,639 | 890,119 | |
| 2003 | 1,359,843 | 441,087 | 377,314 | 17,693 | 63,582 | 56,329 | 3,949 | 12,882 | 14,122 | 79,115 | 129,642 | 63,773 | 918,756 | |
| 2004 | 1,407,009 | 455,848 | 391,173 | 17,041 | 64,762 | 57,405 | 3,903 | 13,755 | 14,240 | 82,510 | 137,557 | 64,675 | 951,161 | |
| 2005 | 1,437,200 | 466,003 | 399,870 | 17,111 | 67,982 | 50,564 | 3,959 | 14,840 | 15,030 | 85,936 | 144,448 | 66,133 | 971,197 | |
| 2006 | 1,473,735 | 473,533 | 405,412 | 17,300 | 72,938 | 43,277 | 3,998 | 15,311 | 16,405 | 88,285 | 147,898 | 68,121 | 1,000,202 | |
| Female | | | | | | | | | | | | | | |
| 1997 | 661,307 | 187,011 | 175,541 | 7,267 | 35,266 | 6,903 | 1,542 | 5,889 | 5,882 | 55,243 | 57,549 | 11,470 | 474,296 | |
| 1998 | 673,865 | 190,397 | 179,058 | 7,743 | 37,101 | 7,439 | 1,599 | 5,659 | 5,994 | 55,400 | 58,123 | 11,339 | 483,468 | |
| 2000 | 716,963 | 200,953 | 188,737 | 8,464 | 37,958 | 10,474 | 1,617 | 5,604 | 5,990 | 57,114 | 61,516 | 12,216 | 516,010 | |
| 2001 | 721,625 | 202,583 | 190,669 | 8,491 | 37,084 | 11,900 | 1,622 | 5,497 | 5,911 | 57,467 | 62,697 | 11,914 | 519,042 | |
| 2002 | 751,773 | 211,203 | 198,516 | 8,634 | 37,695 | 13,504 | 1,702 | 5,762 | 5,982 | 59,926 | 65,311 | 12,687 | 540,570 | |
| 2003 | 783,866 | 222,389 | 209,419 | 8,959 | 39,533 | 15,190 | 1,651 | 5,879 | 5,884 | 61,499 | 70,824 | 12,970 | 561,477 | |
| 2004 | 810,817 | 229,939 | 216,682 | 8,714 | 40,440 | 14,406 | 1,647 | 6,318 | 6,002 | 64,208 | 74,947 | 13,257 | 580,878 | |
| 2005 | 828,938 | 235,197 | 222,000 | 8,731 | 42,283 | 11,235 | 1,660 | 6,625 | 6,420 | 66,833 | 78,213 | 13,197 | 593,741 | |
| 2006 | 851,824 | 239,273 | 225,973 | 8,907 | 45,032 | 8,852 | 1,646 | 6,878 | 6,957 | 68,351 | 79,350 | 13,300 | 612,551 | |
| Male | | | | | | | | | | | | | | |
| 1997 | 525,282 | 201,471 | 150,589 | 10,094 | 29,873 | 18,490 | 2,924 | 6,834 | 9,382 | 19,491 | 53,501 | 50,882 | 323,811 | |
| 1998 | 525,714 | 200,221 | 150,646 | 10,224 | 30,011 | 20,235 | 2,722 | 6,435 | 9,279 | 19,057 | 52,683 | 49,575 | 325,493 | |
| 2000 | 536,158 | 197,669 | 150,349 | 9,780 | 26,946 | 26,914 | 2,430 | 6,131 | 8,590 | 17,540 | 52,018 | 47,320 | 338,489 | |
| 2001 | 536,023 | 197,623 | 150,279 | 8,976 | 25,005 | 31,284 | 2,346 | 5,958 | 8,252 | 16,701 | 51,757 | 47,344 | 338,400 | |
| 2002 | 553,957 | 204,408 | 156,456 | 8,726 | 24,073 | 35,631 | 2,282 | 6,511 | 8,034 | 17,397 | 53,802 | 47,952 | 349,549 | |
| 2003 | 575,977 | 218,698 | 167,895 | 8,734 | 24,049 | 41,139 | 2,298 | 7,003 | 8,238 | 17,616 | 58,818 | 50,803 | 357,279 | |
| 2004 | 596,192 | 225,909 | 174,491 | 8,327 | 24,322 | 42,999 | 2,256 | 7,437 | 8,238 | 18,302 | 62,610 | 51,418 | 370,283 | |
| 2005 | 608,262 | 230,806 | 177,870 | 8,380 | 25,699 | 39,329 | 2,299 | 8,215 | 8,610 | 19,103 | 66,235 | 52,936 | 377,456 | |
| 2006 | 621,911 | 234,260 | 179,439 | 8,393 | 27,906 | 34,425 | 2,352 | 8,433 | 9,448 | 19,934 | 68,548 | 54,821 | 387,651 | |
| Percent female | | | | | | | | | | | | | | |
| 1995 | 55.7 | 48.1 | 53.8 | 41.9 | 54.1 | 27.2 | 34.5 | 46.3 | 38.5 | 73.9 | 51.8 | 18.4 | 59.4 | |
| 1996 | 56.2 | 48.7 | 54.3 | 43.1 | 55.3 | 26.9 | 37.0 | 46.8 | 39.2 | 74.4 | 52.5 | 18.6 | 59.8 | |
| 1997 | 57.2 | 50.4 | 55.7 | 46.4 | 58.5 | 28.0 | 40.0 | 47.8 | 41.1 | 76.5 | 54.2 | 20.5 | 60.4 | |
| 1998 | 57.4 | 50.6 | 55.9 | 48.6 | 59.7 | 27.6 | 40.9 | 48.0 | 41.7 | 77.5 | 54.8 | 20.1 | 60.5 | |
| 2000 | 57.6 | 50.8 | 55.9 | 49.7 | 61.0 | 27.5 | 42.7 | 46.9 | 42.7 | 77.5 | 54.8 | 20.9 | 60.7 | |
| 2001 | 57.6 | 50.4 | 55.5 | 50.6 | 62.2 | 27.0 | 41.8 | 45.6 | 41.7 | 77.7 | 54.6 | 20.3 | 61.1 | |
| 2002 | 57.6 | 50.4 | 55.4 | 51.1 | 62.4 | 25.1 | 42.2 | 45.9 | 42.1 | 77.8 | 54.5 | 20.5 | 61.1 | |
| 2003 | 57.7 | 50.5 | 55.5 | 51.0 | 62.2 | 22.2 | 41.9 | 44.6 | 42.7 | 77.8 | 54.1 | 20.0 | 61.1 | |
| 2004 | 57.8 | 50.5 | 55.7 | 51.5 | 61.7 | 20.5 | 41.2 | 44.9 | 42.4 | 77.4 | 53.7 | 19.5 | 61.2 | |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-5. Bachelor's degrees, by field and sex: 1997–2006

| Field and sex | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All fields | 1,186,589 | 1,199,579 | 1,253,121 | 1,257,648 | 1,305,730 | 1,359,843 | 1,407,009 | 1,437,200 | 1,473,735 |
| S&E | 388,482 | 390,618 | 398,622 | 400,206 | 415,611 | 441,087 | 455,848 | 466,003 | 473,533 |
| Sciences | 326,130 | 329,704 | 339,086 | 340,948 | 354,972 | 377,314 | 391,173 | 399,870 | 405,412 |
| Agricultural sciences | 17,361 | 17,967 | 18,244 | 17,467 | 17,360 | 17,693 | 17,041 | 17,111 | 17,300 |
| Biological sciences | 65,139 | 67,112 | 64,904 | 62,089 | 61,768 | 63,582 | 64,762 | 67,982 | 72,938 |
| Computer sciences | 25,393 | 27,674 | 37,388 | 43,184 | 49,135 | 56,329 | 57,405 | 50,564 | 43,277 |
| Earth, atmospheric, and ocean sciences | 4,466 | 4,321 | 4,047 | 3,968 | 3,984 | 3,949 | 3,903 | 3,959 | 3,998 |
| Atmospheric sciences | 431 | 443 | 490 | 456 | 525 | 562 | 572 | 677 | 662 |
| Earth sciences | 3,830 | 3,665 | 3,359 | 3,334 | 3,234 | 3,252 | 3,170 | 3,146 | 3,231 |
| Ocean sciences | 205 | 213 | 198 | 178 | 225 | 135 | 161 | 136 | 105 |
| Mathematics and statistics | 12,723 | 12,094 | 11,735 | 11,455 | 12,273 | 12,882 | 13,755 | 14,840 | 15,311 |
| Physical sciences | 15,264 | 15,273 | 14,580 | 14,163 | 14,016 | 14,122 | 14,240 | 15,030 | 16,405 |
| Astronomy | 140 | 168 | 160 | 240 | 276 | 271 | 292 | 331 | 366 |
| Chemistry | 10,926 | 10,873 | 10,390 | 9,822 | 9,448 | 9,332 | 9,305 | 9,937 | 10,891 |
| Physics | 3,393 | 3,455 | 3,362 | 3,457 | 3,651 | 3,922 | 4,156 | 4,210 | 4,577 |
| Other physical sciences | 805 | 777 | 668 | 644 | 641 | 597 | 487 | 552 | 571 |
| Psychology | 74,734 | 74,457 | 74,654 | 74,168 | 77,323 | 79,115 | 82,510 | 85,936 | 88,285 |
| Social sciences | 111,050 | 110,806 | 113,534 | 114,454 | 119,113 | 129,642 | 137,557 | 144,448 | 147,898 |
| Anthropology | 6,759 | 6,894 | 7,057 | 6,898 | 7,198 | 7,542 | 7,629 | 7,739 | 8,100 |
| Area/ethnic studies | 5,257 | 5,441 | 5,617 | 5,561 | 5,844 | 5,745 | 6,242 | 6,611 | 6,975 |
| Economics | 17,701 | 18,244 | 19,400 | 20,377 | 21,827 | 23,871 | 24,933 | 25,164 | 24,703 |
| History of science | 31 | 39 | 92 | 101 | 103 | 103 | 140 | 117 | 113 |
| Linguistics | 577 | 680 | 727 | 757 | 861 | 920 | 1,047 | 1,053 | 1,201 |
| Political science and public administration | 37,807 | 36,654 | 36,439 | 36,651 | 38,573 | 43,735 | 47,353 | 51,417 | 53,397 |
| Sociology | 24,750 | 24,884 | 25,685 | 25,363 | 25,318 | 26,191 | 27,030 | 28,576 | 28,549 |
| Other social sciences | 18,168 | 17,970 | 18,517 | 18,746 | 19,389 | 21,535 | 23,183 | 23,771 | 24,860 |
| Engineering | 62,352 | 60,914 | 59,536 | 59,258 | 60,639 | 63,773 | 64,675 | 66,133 | 68,121 |
| Aerospace engineering | 1,290 | 1,247 | 1,267 | 1,498 | 1,747 | 2,017 | 2,318 | 2,384 | 2,753 |
| Chemical engineering | 6,977 | 6,721 | 6,219 | 6,088 | 5,946 | 5,545 | 5,185 | 4,889 | 4,857 |
| Civil engineering | 12,010 | 11,522 | 9,596 | 8,949 | 8,891 | 9,367 | 9,399 | 9,797 | 10,663 |
| Electrical engineering | 16,434 | 16,322 | 17,672 | 18,371 | 18,977 | 20,729 | 21,342 | 21,412 | 19,851 |
| Industrial engineering | 3,997 | 3,988 | 3,937 | 3,818 | 3,976 | 3,939 | 3,807 | 3,938 | 3,880 |
| Materials engineering | 1,063 | 1,007 | 972 | 930 | 933 | 950 | 865 | 906 | 1,006 |
| Mechanical engineering | 13,806 | 13,363 | 13,109 | 13,160 | 13,377 | 14,044 | 14,368 | 14,908 | 16,175 |
| Other engineering | 6,775 | 6,744 | 6,764 | 6,444 | 6,792 | 7,182 | 7,391 | 7,899 | 8,936 |
| Non-S&E | 798,107 | 808,961 | 854,499 | 857,442 | 890,119 | 918,756 | 951,161 | 971,197 | 1,000,202 |
| Female | | | | | | | | | |
| All fields | 661,307 | 673,865 | 716,963 | 721,625 | 751,773 | 783,866 | 810,817 | 828,938 | 851,824 |
| S&E | 187,011 | 190,397 | 200,953 | 202,583 | 211,203 | 222,389 | 229,939 | 235,197 | 239,273 |
| Sciences | 175,541 | 179,058 | 188,737 | 190,669 | 198,516 | 209,419 | 216,682 | 222,000 | 225,973 |
| Agricultural sciences | 7,267 | 7,743 | 8,464 | 8,491 | 8,634 | 8,959 | 8,714 | 8,731 | 8,907 |
| Biological sciences | 35,266 | 37,101 | 37,958 | 37,084 | 37,695 | 39,533 | 40,440 | 42,283 | 45,032 |
| Computer sciences | 6,903 | 7,439 | 10,474 | 11,900 | 13,504 | 15,190 | 14,406 | 11,235 | 8,852 |
| Earth, atmospheric, and ocean sciences | 1,542 | 1,599 | 1,617 | 1,622 | 1,702 | 1,651 | 1,647 | 1,660 | 1,646 |
| Atmospheric sciences | 83 | 104 | 114 | 132 | 151 | 176 | 203 | 241 | 219 |
| Earth sciences | 1,385 | 1,403 | 1,409 | 1,400 | 1,446 | 1,406 | 1,358 | 1,351 | 1,358 |
| Ocean sciences | 74 | 92 | 94 | 90 | 105 | 69 | 86 | 68 | 69 |
| Mathematics and statistics | 5,889 | 5,659 | 5,604 | 5,497 | 5,762 | 5,879 | 6,318 | 6,625 | 6,878 |

TABLE C-5. Bachelor's degrees, by field and sex: 1997–2006

| Field and sex | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Physical sciences | 5,882 | 5,994 | 5,990 | 5,911 | 5,982 | 5,884 | 6,002 | 6,420 | 6,957 |
| Astronomy | 46 | 58 | 54 | 95 | 116 | 110 | 123 | 143 | 131 |
| Chemistry | 4,883 | 4,973 | 4,907 | 4,775 | 4,729 | 4,682 | 4,755 | 5,146 | 5,637 |
| Physics | 652 | 666 | 724 | 756 | 826 | 840 | 908 | 903 | 946 |
| Other physical sciences | 301 | 297 | 305 | 285 | 311 | 252 | 216 | 228 | 243 |
| Psychology | 55,243 | 55,400 | 57,114 | 57,467 | 59,926 | 61,499 | 64,208 | 66,833 | 68,351 |
| Social sciences | 57,549 | 58,123 | 61,516 | 62,697 | 65,311 | 70,824 | 74,947 | 78,213 | 79,350 |
| Anthropology | 4,313 | 4,480 | 4,742 | 4,706 | 4,926 | 5,229 | 5,280 | 5,379 | 5,606 |
| Area/ethnic studies | 3,256 | 3,441 | 3,572 | 3,657 | 3,808 | 3,690 | 4,080 | 4,266 | 4,512 |
| Economics | 5,448 | 5,791 | 6,384 | 6,924 | 7,389 | 8,096 | 8,281 | 8,141 | 7,661 |
| History of science | 17 | 18 | 52 | 56 | 63 | 54 | 73 | 64 | 67 |
| Linguistics | 393 | 483 | 498 | 512 | 612 | 626 | 717 | 729 | 754 |
| Political science and public administration | 17,854 | 17,320 | 18,347 | 18,637 | 19,743 | 22,466 | 24,288 | 26,325 | 26,961 |
| Sociology | 16,904 | 17,122 | 18,028 | 17,923 | 18,011 | 18,638 | 19,310 | 20,138 | 19,997 |
| Other social sciences | 9,364 | 9,468 | 9,893 | 10,282 | 10,759 | 12,025 | 12,918 | 13,171 | 13,792 |
| Engineering | 11,470 | 11,339 | 12,216 | 11,914 | 12,687 | 12,970 | 13,257 | 13,197 | 13,300 |
| Aerospace engineering | 202 | 197 | 238 | 304 | 312 | 384 | 413 | 404 | 501 |
| Chemical engineering | 2,276 | 2,196 | 2,203 | 2,055 | 2,123 | 2,013 | 1,833 | 1,776 | 1,678 |
| Civil engineering | 2,569 | 2,576 | 2,333 | 2,041 | 2,224 | 2,249 | 2,279 | 2,349 | 2,422 |
| Electrical engineering | 2,018 | 2,012 | 2,350 | 2,542 | 2,720 | 2,909 | 3,032 | 2,833 | 2,571 |
| Industrial engineering | 1,079 | 1,020 | 1,307 | 1,224 | 1,341 | 1,312 | 1,265 | 1,269 | 1,172 |
| Materials engineering | 259 | 235 | 268 | 263 | 285 | 276 | 270 | 282 | 269 |
| Mechanical engineering | 1,635 | 1,636 | 1,784 | 1,739 | 1,783 | 1,861 | 1,952 | 1,953 | 2,107 |
| Other engineering | 1,432 | 1,467 | 1,733 | 1,746 | 1,899 | 1,966 | 2,213 | 2,331 | 2,580 |
| Non-S&E | 474,296 | 483,468 | 516,010 | 519,042 | 540,570 | 561,477 | 580,878 | 593,741 | 612,551 |
| Male | | | | | | | | | |
| All fields | 525,282 | 525,714 | 536,158 | 536,023 | 553,957 | 575,977 | 596,192 | 608,262 | 621,911 |
| S&E | 201,471 | 200,221 | 197,669 | 197,623 | 204,408 | 218,698 | 225,909 | 230,806 | 234,260 |
| Sciences | 150,589 | 150,646 | 150,349 | 150,279 | 156,456 | 167,895 | 174,491 | 177,870 | 179,439 |
| Agricultural sciences | 10,094 | 10,224 | 9,780 | 8,976 | 8,726 | 8,734 | 8,327 | 8,380 | 8,393 |
| Biological sciences | 29,873 | 30,011 | 26,946 | 25,005 | 24,073 | 24,049 | 24,322 | 25,699 | 27,906 |
| Computer sciences | 18,490 | 20,235 | 26,914 | 31,284 | 35,631 | 41,139 | 42,999 | 39,329 | 34,425 |
| Earth, atmospheric, and ocean sciences | 2,924 | 2,722 | 2,430 | 2,346 | 2,282 | 2,298 | 2,256 | 2,299 | 2,352 |
| Atmospheric sciences | 348 | 339 | 376 | 324 | 374 | 386 | 369 | 436 | 443 |
| Earth sciences | 2,445 | 2,262 | 1,950 | 1,934 | 1,788 | 1,846 | 1,812 | 1,795 | 1,873 |
| Ocean sciences | 131 | 121 | 104 | 88 | 120 | 66 | 75 | 68 | 36 |
| Mathematics and statistics | 6,834 | 6,435 | 6,131 | 5,958 | 6,511 | 7,003 | 7,437 | 8,215 | 8,433 |
| Physical sciences | 9,382 | 9,279 | 8,590 | 8,252 | 8,034 | 8,238 | 8,238 | 8,610 | 9,448 |
| Astronomy | 94 | 110 | 106 | 145 | 160 | 161 | 169 | 188 | 235 |
| Chemistry | 6,043 | 5,900 | 5,483 | 5,047 | 4,719 | 4,650 | 4,550 | 4,791 | 5,254 |
| Physics | 2,741 | 2,789 | 2,638 | 2,701 | 2,825 | 3,082 | 3,248 | 3,307 | 3,631 |
| Other physical sciences | 504 | 480 | 363 | 359 | 330 | 345 | 271 | 324 | 328 |
| Psychology | 19,491 | 19,057 | 17,540 | 16,701 | 17,397 | 17,616 | 18,302 | 19,103 | 19,934 |
| Social sciences | 53,501 | 52,683 | 52,018 | 51,757 | 53,802 | 58,818 | 62,610 | 66,235 | 68,548 |
| Anthropology | 2,446 | 2,414 | 2,315 | 2,192 | 2,272 | 2,313 | 2,349 | 2,360 | 2,494 |
| Area/ethnic studies | 2,001 | 2,000 | 2,045 | 1,904 | 2,036 | 2,055 | 2,162 | 2,345 | 2,463 |
| Economics | 12,253 | 12,453 | 13,016 | 13,453 | 14,438 | 15,775 | 16,652 | 17,023 | 17,042 |
| History of science | 14 | 21 | 40 | 45 | 40 | 49 | 67 | 53 | 46 |
| Linguistics | 184 | 197 | 229 | 245 | 249 | 294 | 330 | 324 | 447 |
| Political science and public administration | 19,953 | 19,334 | 18,092 | 18,014 | 18,830 | 21,269 | 23,065 | 25,092 | 26,436 |
| Sociology | 7,846 | 7,762 | 7,657 | 7,440 | 7,307 | 7,553 | 7,720 | 8,438 | 8,552 |
| Other social sciences | 8,804 | 8,502 | 8,624 | 8,464 | 8,630 | 9,510 | 10,265 | 10,600 | 11,068 |

TABLE C-5. Bachelor's degrees, by field and sex: 1997–2006

| Field and sex | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Engineering | 50,882 | 49,575 | 47,320 | 47,344 | 47,952 | 50,803 | 51,418 | 52,936 | 54,821 |
| Aerospace engineering | 1,088 | 1,050 | 1,029 | 1,194 | 1,435 | 1,633 | 1,905 | 1,980 | 2,252 |
| Chemical engineering | 4,701 | 4,525 | 4,016 | 4,033 | 3,823 | 3,532 | 3,352 | 3,113 | 3,179 |
| Civil engineering | 9,441 | 8,946 | 7,263 | 6,908 | 6,667 | 7,118 | 7,120 | 7,448 | 8,241 |
| Electrical engineering | 14,416 | 14,310 | 15,322 | 15,829 | 16,257 | 17,820 | 18,310 | 18,579 | 17,280 |
| Industrial engineering | 2,918 | 2,968 | 2,630 | 2,594 | 2,635 | 2,627 | 2,542 | 2,669 | 2,708 |
| Materials engineering | 804 | 772 | 704 | 667 | 648 | 674 | 595 | 624 | 737 |
| Mechanical engineering | 12,171 | 11,727 | 11,325 | 11,421 | 11,594 | 12,183 | 12,416 | 12,955 | 14,068 |
| Other engineering | 5,343 | 5,277 | 5,031 | 4,698 | 4,893 | 5,216 | 5,178 | 5,568 | 6,356 |
| Non-S&E | 323,811 | 325,493 | 338,489 | 338,400 | 349,549 | 357,279 | 370,283 | 377,456 | 387,651 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| All fields | 1,186,589 | 1,199,579 | 1,253,121 | 1,257,648 | 1,305,730 | 1,359,843 | 1,407,009 | 1,437,200 | 1,473,735 |
| S&E | 388,482 | 390,618 | 398,622 | 400,206 | 415,611 | 441,087 | 455,848 | 466,003 | 473,533 |
| Sciences | 326,130 | 329,704 | 339,086 | 340,948 | 354,972 | 377,314 | 391,173 | 399,870 | 405,412 |
| Agricultural sciences | 17,361 | 17,967 | 18,244 | 17,467 | 17,360 | 17,693 | 17,041 | 17,111 | 17,300 |
| Biological sciences | 65,139 | 67,112 | 64,904 | 62,089 | 61,768 | 63,582 | 64,762 | 67,982 | 72,938 |
| Computer sciences | 25,393 | 27,674 | 37,388 | 43,184 | 49,135 | 56,329 | 57,405 | 50,564 | 43,277 |
| Earth, atmospheric, and ocean sciences | 4,466 | 4,321 | 4,047 | 3,968 | 3,984 | 3,949 | 3,903 | 3,959 | 3,998 |
| Atmospheric sciences | 431 | 443 | 490 | 456 | 525 | 562 | 572 | 677 | 662 |
| Earth sciences | 3,830 | 3,665 | 3,359 | 3,334 | 3,234 | 3,252 | 3,170 | 3,146 | 3,231 |
| Ocean sciences | 205 | 213 | 198 | 178 | 225 | 135 | 161 | 136 | 105 |
| Mathematics and statistics | 12,723 | 12,094 | 11,735 | 11,455 | 12,273 | 12,882 | 13,755 | 14,840 | 15,311 |
| Physical sciences | 15,264 | 15,273 | 14,580 | 14,163 | 14,016 | 14,122 | 14,240 | 15,030 | 16,405 |
| Astronomy | 140 | 168 | 160 | 240 | 276 | 271 | 292 | 331 | 366 |
| Chemistry | 10,926 | 10,873 | 10,390 | 9,822 | 9,448 | 9,332 | 9,305 | 9,937 | 10,891 |
| Physics | 3,393 | 3,455 | 3,362 | 3,457 | 3,651 | 3,922 | 4,156 | 4,210 | 4,577 |
| Other | 805 | 777 | 668 | 644 | 641 | 597 | 487 | 552 | 571 |
| Psychology | 74,734 | 74,457 | 74,654 | 74,168 | 77,323 | 79,115 | 82,510 | 85,936 | 88,285 |
| Social sciences | 111,050 | 110,806 | 113,534 | 114,454 | 119,113 | 129,642 | 137,557 | 144,448 | 147,898 |
| Anthropology | 6,759 | 6,894 | 7,057 | 6,898 | 7,198 | 7,542 | 7,629 | 7,739 | 8,100 |
| Area and ethnic studies | 5,257 | 5,441 | 5,617 | 5,561 | 5,844 | 5,745 | 6,242 | 6,611 | 6,975 |
| Economics | 17,701 | 18,244 | 19,400 | 20,377 | 21,827 | 23,871 | 24,933 | 25,164 | 24,703 |
| History of science | 31 | 39 | 92 | 101 | 103 | 103 | 140 | 117 | 113 |
| Linguistics | 577 | 680 | 727 | 757 | 861 | 920 | 1,047 | 1,053 | 1,201 |
| Political science and public administration | 37,807 | 36,654 | 36,439 | 36,651 | 38,573 | 43,735 | 47,353 | 51,417 | 53,397 |
| Sociology | 24,750 | 24,884 | 25,685 | 25,363 | 25,318 | 26,191 | 27,030 | 28,576 | 28,549 |
| Other | 18,168 | 17,970 | 18,517 | 18,746 | 19,389 | 21,535 | 23,183 | 23,771 | 24,860 |
| Engineering | 62,352 | 60,914 | 59,536 | 59,258 | 60,639 | 63,773 | 64,675 | 66,133 | 68,121 |
| Aerospace engineering | 1,290 | 1,247 | 1,267 | 1,498 | 1,747 | 2,017 | 2,318 | 2,384 | 2,753 |
| Chemical engineering | 6,977 | 6,721 | 6,219 | 6,088 | 5,946 | 5,545 | 5,185 | 4,889 | 4,857 |
| Civil engineering | 12,010 | 11,522 | 9,596 | 8,949 | 8,891 | 9,367 | 9,399 | 9,797 | 10,663 |
| Electrical engineering | 16,434 | 16,322 | 17,672 | 18,371 | 18,977 | 20,729 | 21,342 | 21,412 | 19,851 |
| Industrial engineering | 3,997 | 3,988 | 3,937 | 3,818 | 3,976 | 3,939 | 3,807 | 3,938 | 3,880 |
| Materials engineering | 1,063 | 1,007 | 972 | 930 | 933 | 950 | 865 | 906 | 1,006 |
| Mechanical engineering | 13,806 | 13,363 | 13,109 | 13,160 | 13,377 | 14,044 | 14,368 | 14,908 | 16,175 |
| Other | 6,775 | 6,744 | 6,764 | 6,444 | 6,792 | 7,182 | 7,391 | 7,899 | 8,936 |
| Non-S&E | 798,107 | 808,961 | 854,499 | 857,442 | 890,119 | 918,756 | 951,161 | 971,197 | 1,000,202 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 1,147,815 | 1,160,692 | 1,214,326 | 1,218,169 | 1,264,606 | 1,317,020 | 1,362,834 | 1,392,752 | 1,428,643 |
| S&E | 373,745 | 375,909 | 383,438 | 384,492 | 399,288 | 423,358 | 437,228 | 447,559 | 455,441 |
| Sciences | 316,190 | 319,638 | 328,435 | 329,653 | 342,916 | 363,860 | 377,100 | 386,163 | 392,032 |
| Agricultural sciences | 17,108 | 17,674 | 17,986 | 17,219 | 17,098 | 17,423 | 16,792 | 16,837 | 17,034 |
| Biological sciences | 63,677 | 65,689 | 63,528 | 60,652 | 60,311 | 62,045 | 63,109 | 66,016 | 70,819 |
| Computer sciences | 23,378 | 25,537 | 34,502 | 39,792 | 45,247 | 51,643 | 52,544 | 46,688 | 40,333 |
| Earth, atmospheric, and ocean sciences | 4,388 | 4,239 | 4,001 | 3,919 | 3,925 | 3,892 | 3,853 | 3,879 | 3,922 |
| Atmospheric sciences | 420 | 439 | 482 | 454 | 519 | 554 | 569 | 667 | 657 |
| Earth sciences | 3,770 | 3,590 | 3,326 | 3,288 | 3,185 | 3,204 | 3,125 | 3,081 | 3,166 |
| Ocean sciences | 198 | 210 | 193 | 177 | 221 | 134 | 159 | 131 | 99 |
| Mathematics and statistics | 12,190 | 11,641 | 11,256 | 11,029 | 11,819 | 12,260 | 13,073 | 14,079 | 14,502 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Physical sciences | 14,671 | 14,680 | 14,048 | 13,605 | 13,471 | 13,599 | 13,649 | 14,360 | 15,641 |
| Astronomy | 132 | 157 | 156 | 227 | 260 | 256 | 282 | 311 | 353 |
| Chemistry | 10,530 | 10,488 | 10,046 | 9,487 | 9,105 | 9,006 | 8,955 | 9,539 | 10,425 |
| Physics | 3,217 | 3,277 | 3,202 | 3,275 | 3,484 | 3,754 | 3,967 | 4,009 | 4,334 |
| Other | 792 | 758 | 644 | 616 | 622 | 583 | 445 | 501 | 529 |
| Psychology | 73,685 | 73,287 | 73,390 | 72,885 | 75,956 | 77,721 | 81,039 | 84,432 | 86,708 |
| Social sciences | 107,093 | 106,891 | 109,724 | 110,552 | 115,089 | 125,277 | 133,041 | 139,872 | 143,073 |
| Anthropology | 6,586 | 6,792 | 6,941 | 6,778 | 7,084 | 7,448 | 7,523 | 7,624 | 7,977 |
| Area and ethnic studies | 5,059 | 5,264 | 5,439 | 5,394 | 5,684 | 5,585 | 6,078 | 6,448 | 6,800 |
| Economics | 15,877 | 16,461 | 17,709 | 18,553 | 19,923 | 21,823 | 22,763 | 22,964 | 22,567 |
| History of science | 31 | 38 | 91 | 98 | 101 | 100 | 140 | 116 | 110 |
| Linguistics | 491 | 580 | 644 | 680 | 780 | 840 | 973 | 976 | 1,127 |
| Political science and public administration | 36,755 | 35,475 | 35,285 | 35,504 | 37,411 | 42,451 | 46,046 | 50,151 | 51,923 |
| Sociology | 24,451 | 24,575 | 25,386 | 25,105 | 25,023 | 25,842 | 26,704 | 28,247 | 28,159 |
| Other | 17,843 | 17,706 | 18,229 | 18,440 | 19,083 | 21,188 | 22,814 | 23,346 | 24,410 |
| Engineering | 57,555 | 56,271 | 55,003 | 54,839 | 56,372 | 59,498 | 60,128 | 61,396 | 63,409 |
| Aerospace engineering | 1,161 | 1,110 | 1,146 | 1,350 | 1,625 | 1,857 | 2,144 | 2,213 | 2,606 |
| Chemical engineering | 6,406 | 6,214 | 5,774 | 5,664 | 5,499 | 5,186 | 4,817 | 4,478 | 4,421 |
| Civil engineering | 11,536 | 11,012 | 9,137 | 8,537 | 8,520 | 9,018 | 9,084 | 9,471 | 10,321 |
| Electrical engineering | 14,564 | 14,485 | 15,836 | 16,529 | 17,108 | 18,677 | 19,069 | 19,093 | 17,675 |
| Industrial engineering | 3,517 | 3,502 | 3,456 | 3,343 | 3,534 | 3,537 | 3,426 | 3,543 | 3,451 |
| Materials engineering | 1,035 | 974 | 935 | 888 | 904 | 919 | 836 | 866 | 960 |
| Mechanical engineering | 12,898 | 12,566 | 12,320 | 12,416 | 12,694 | 13,448 | 13,754 | 14,261 | 15,525 |
| Other | 6,438 | 6,408 | 6,399 | 6,112 | 6,488 | 6,856 | 6,998 | 7,471 | 8,450 |
| Non-S&E | 774,070 | 784,783 | 830,888 | 833,677 | 865,318 | 893,662 | 925,606 | 945,193 | 973,202 |
| White | | | | | | | | | |
| All fields | 877,759 | 878,018 | 895,129 | 888,412 | 912,956 | 940,495 | 962,887 | 977,279 | 996,473 |
| S&E | 274,800 | 272,561 | 270,416 | 267,848 | 276,379 | 290,306 | 296,576 | 301,172 | 306,191 |
| Sciences | 233,134 | 231,987 | 231,349 | 229,081 | 236,656 | 248,481 | 254,719 | 258,964 | 262,695 |
| Agricultural sciences | 15,246 | 15,616 | 15,655 | 14,950 | 14,729 | 14,925 | 14,353 | 14,347 | 14,387 |
| Biological sciences | 45,387 | 45,912 | 43,907 | 41,325 | 41,288 | 41,949 | 42,460 | 43,774 | 46,472 |
| Computer sciences | 15,846 | 17,069 | 21,719 | 24,491 | 27,506 | 30,458 | 30,357 | 27,615 | 24,485 |
| Earth, atmospheric, and ocean sciences | 3,986 | 3,803 | 3,561 | 3,436 | 3,450 | 3,442 | 3,338 | 3,366 | 3,368 |
| Atmospheric sciences | 390 | 416 | 437 | 395 | 467 | 493 | 508 | 597 | 583 |
| Earth sciences | 3,429 | 3,207 | 2,959 | 2,888 | 2,806 | 2,837 | 2,691 | 2,663 | 2,703 |
| Ocean sciences | 167 | 180 | 165 | 153 | 177 | 112 | 139 | 106 | 82 |
| Mathematics and statistics | 9,432 | 8,903 | 8,395 | 8,173 | 8,756 | 8,976 | 9,639 | 10,171 | 10,465 |
| Physical sciences | 10,934 | 10,763 | 10,096 | 9,812 | 9,701 | 9,934 | 9,833 | 10,296 | 11,025 |
| Astronomy | 112 | 127 | 131 | 185 | 204 | 212 | 220 | 234 | 269 |
| Chemistry | 7,537 | 7,370 | 6,900 | 6,505 | 6,268 | 6,281 | 6,153 | 6,595 | 7,024 |
| Physics | 2,623 | 2,652 | 2,543 | 2,625 | 2,742 | 2,970 | 3,128 | 3,101 | 3,342 |
| Other | 662 | 614 | 522 | 497 | 487 | 471 | 332 | 366 | 390 |
| Psychology | 55,346 | 54,225 | 52,397 | 51,562 | 53,324 | 54,676 | 56,515 | 58,043 | 59,281 |
| Social sciences | 76,957 | 75,696 | 75,619 | 75,332 | 77,902 | 84,121 | 88,224 | 91,352 | 93,212 |
| Anthropology | 5,225 | 5,383 | 5,378 | 5,222 | 5,380 | 5,592 | 5,496 | 5,583 | 5,784 |
| Area and ethnic studies | 3,026 | 2,987 | 2,943 | 2,938 | 3,076 | 2,948 | 3,178 | 3,239 | 3,374 |
| Economics | 11,437 | 11,599 | 12,102 | 12,419 | 13,374 | 14,302 | 14,662 | 14,723 | 14,428 |
| History of science | 24 | 33 | 58 | 57 | 60 | 68 | 100 | 86 | 83 |
| Linguistics | 359 | 397 | 450 | 499 | 585 | 603 | 652 | 637 | 771 |
| Political science and public administration | 26,770 | 25,624 | 24,976 | 24,963 | 26,162 | 29,547 | 31,681 | 33,838 | 34,977 |
| Sociology | 16,661 | 16,450 | 16,561 | 16,105 | 15,838 | 16,275 | 16,681 | 17,247 | 16,973 |
| Other | 13,455 | 13,223 | 13,151 | 13,129 | 13,427 | 14,786 | 15,774 | 15,999 | 16,822 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Engineering | 41,666 | 40,574 | 39,067 | 38,767 | 39,723 | 41,825 | 41,857 | 42,208 | 43,496 |
| Aerospace engineering | 869 | 877 | 899 | 1,058 | 1,279 | 1,447 | 1,629 | 1,723 | 2,005 |
| Chemical engineering | 4,631 | 4,405 | 4,062 | 4,061 | 3,976 | 3,746 | 3,483 | 3,203 | 3,086 |
| Civil engineering | 8,940 | 8,481 | 7,003 | 6,615 | 6,624 | 7,032 | 7,011 | 7,194 | 7,768 |
| Electrical engineering | 9,293 | 9,174 | 9,715 | 9,891 | 9,975 | 10,957 | 10,934 | 10,856 | 10,003 |
| Industrial engineering | 2,271 | 2,333 | 2,385 | 2,330 | 2,428 | 2,392 | 2,352 | 2,356 | 2,306 |
| Materials engineering | 813 | 760 | 741 | 708 | 712 | 701 | 614 | 633 | 671 |
| Mechanical engineering | 9,919 | 9,656 | 9,467 | 9,541 | 9,876 | 10,516 | 10,756 | 10,961 | 11,849 |
| Other | 4,930 | 4,888 | 4,795 | 4,563 | 4,853 | 5,034 | 5,078 | 5,282 | 5,808 |
| Non-S&E | 602,959 | 605,457 | 624,713 | 620,564 | 636,577 | 650,189 | 666,311 | 676,107 | 690,282 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 67,358 | 69,988 | 75,265 | 75,496 | 79,149 | 83,049 | 86,030 | 90,562 | 95,098 |
| S&E | 32,568 | 34,004 | 35,553 | 36,398 | 37,452 | 39,738 | 41,178 | 43,030 | 44,206 |
| Sciences | 25,483 | 27,002 | 28,699 | 29,373 | 30,331 | 32,326 | 33,553 | 34,822 | 35,663 |
| Agricultural sciences | 396 | 439 | 454 | 399 | 411 | 459 | 415 | 446 | 542 |
| Biological sciences | 8,541 | 8,869 | 8,025 | 7,493 | 7,209 | 7,399 | 7,786 | 8,832 | 10,080 |
| Computer sciences | 2,803 | 3,220 | 5,401 | 6,326 | 7,207 | 8,073 | 7,462 | 6,075 | 4,432 |
| Earth, atmospheric, and ocean sciences | 95 | 92 | 98 | 86 | 85 | 73 | 85 | 86 | 94 |
| Atmospheric sciences | 7 | 5 | 14 | 14 | 8 | 9 | 11 | 15 | 14 |
| Earth sciences | 77 | 76 | 77 | 64 | 65 | 58 | 65 | 69 | 75 |
| Ocean sciences | 11 | 11 | 7 | 8 | 12 | 6 | 9 | 2 | 5 |
| Mathematics and statistics | 852 | 834 | 891 | 916 | 1,000 | 1,153 | 1,244 | 1,420 | 1,446 |
| Physical sciences | 1,525 | 1,584 | 1,462 | 1,344 | 1,217 | 1,143 | 1,229 | 1,316 | 1,619 |
| Astronomy | 7 | 12 | 9 | 12 | 24 | 16 | 18 | 21 | 37 |
| Chemistry | 1,280 | 1,337 | 1,208 | 1,126 | 978 | 893 | 960 | 1,024 | 1,268 |
| Physics | 204 | 208 | 218 | 184 | 184 | 204 | 223 | 236 | 281 |
| Other | 34 | 27 | 27 | 22 | 31 | 30 | 28 | 35 | 33 |
| Psychology | 4,067 | 4,267 | 4,188 | 4,150 | 4,241 | 4,060 | 4,345 | 4,799 | 5,299 |
| Social sciences | 7,204 | 7,697 | 8,180 | 8,659 | 8,961 | 9,966 | 10,987 | 11,848 | 12,151 |
| Anthropology | 363 | 404 | 340 | 332 | 377 | 396 | 398 | 424 | 496 |
| Area and ethnic studies | 574 | 676 | 737 | 714 | 686 | 671 | 758 | 875 | 879 |
| Economics | 2,154 | 2,430 | 2,774 | 3,082 | 3,235 | 3,708 | 4,007 | 4,003 | 3,912 |
| History of science | 4 | 3 | 12 | 15 | 20 | 16 | 14 | 11 | 9 |
| Linguistics | 62 | 85 | 72 | 69 | 73 | 84 | 105 | 112 | 112 |
| Political science and public administration | 2,100 | 2,141 | 2,077 | 2,228 | 2,325 | 2,645 | 2,900 | 3,266 | 3,480 |
| Sociology | 1,228 | 1,212 | 1,324 | 1,300 | 1,325 | 1,372 | 1,596 | 1,853 | 1,907 |
| Other | 719 | 746 | 844 | 919 | 920 | 1,074 | 1,209 | 1,304 | 1,356 |
| Engineering | 7,085 | 7,002 | 6,854 | 7,025 | 7,121 | 7,412 | 7,625 | 8,208 | 8,543 |
| Aerospace engineering | 118 | 96 | 98 | 103 | 128 | 145 | 186 | 184 | 223 |
| Chemical engineering | 874 | 897 | 788 | 702 | 636 | 563 | 527 | 486 | 558 |
| Civil engineering | 1,017 | 909 | 646 | 521 | 482 | 500 | 493 | 585 | 770 |
| Electrical engineering | 2,663 | 2,757 | 3,143 | 3,522 | 3,774 | 3,966 | 4,083 | 4,290 | 3,836 |
| Industrial engineering | 437 | 369 | 332 | 319 | 356 | 386 | 376 | 352 | 362 |
| Materials engineering | 84 | 119 | 91 | 88 | 85 | 91 | 95 | 101 | 166 |
| Mechanical engineering | 1,135 | 1,128 | 1,002 | 998 | 892 | 939 | 928 | 1,082 | 1,248 |
| Other | 757 | 727 | 754 | 772 | 768 | 822 | 937 | 1,128 | 1,380 |
| Non-S&E | 34,790 | 35,984 | 39,712 | 39,098 | 41,697 | 43,311 | 44,852 | 47,532 | 50,892 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Black | | | | | | | | | |
| All fields | 92,067 | 95,878 | 104,212 | 106,648 | 111,032 | 117,257 | 122,618 | 125,678 | 129,824 |
| S&E | 29,825 | 30,751 | 32,924 | 33,290 | 34,796 | 36,711 | 38,369 | 39,283 | 39,409 |
| Sciences | 26,748 | 27,732 | 29,861 | 30,406 | 31,814 | 33,637 | 35,157 | 36,098 | 36,223 |
| Agricultural sciences | 367 | 409 | 450 | 428 | 454 | 452 | 450 | 444 | 485 |
| Biological sciences | 4,124 | 4,553 | 4,739 | 4,693 | 4,634 | 4,878 | 5,038 | 5,051 | 5,362 |
| Computer sciences | 2,432 | 2,666 | 3,497 | 4,291 | 4,954 | 5,867 | 5,934 | 5,303 | 4,667 |
| Earth, atmospheric, and ocean sciences | 57 | 70 | 51 | 56 | 62 | 60 | 65 | 68 | 58 |
| Atmospheric sciences | 8 | 7 | 10 | 2 | 10 | 12 | 20 | 8 | 14 |
| Earth sciences | 41 | 60 | 40 | 52 | 42 | 43 | 43 | 54 | 43 |
| Ocean sciences | 8 | 3 | 1 | 2 | 10 | 5 | 2 | 6 | 1 |
| Mathematics and statistics | 1,016 | 966 | 905 | 808 | 843 | 790 | 784 | 855 | 847 |
| Physical sciences | 1,053 | 1,057 | 1,090 | 996 | 1,018 | 928 | 958 | 966 | 1,040 |
| Astronomy | 0 | 2 | 1 | 2 | 3 | 1 | 3 | 4 | 9 |
| Chemistry | 861 | 824 | 888 | 827 | 796 | 744 | 756 | 761 | 827 |
| Physics | 148 | 179 | 152 | 133 | 182 | 147 | 166 | 166 | 171 |
| Other | 44 | 52 | 49 | 34 | 37 | 36 | 33 | 35 | 33 |
| Psychology | 6,647 | 6,852 | 7,572 | 7,562 | 7,747 | 8,011 | 8,479 | 9,130 | 9,075 |
| Social sciences | 11,052 | 11,159 | 11,557 | 11,572 | 12,102 | 12,651 | 13,449 | 14,281 | 14,689 |
| Anthropology | 220 | 234 | 268 | 242 | 253 | 258 | 338 | 320 | 337 |
| Area and ethnic studies | 653 | 692 | 738 | 691 | 784 | 749 | 805 | 905 | 1,011 |
| Economics | 925 | 979 | 1,044 | 1,089 | 1,221 | 1,326 | 1,409 | 1,377 | 1,379 |
| History of science | 2 | 0 | 6 | 6 | 4 | 6 | 8 | 5 | 4 |
| Linguistics | 8 | 21 | 14 | 24 | 25 | 17 | 32 | 33 | 44 |
| Political science and public administration | 3,761 | 3,638 | 3,602 | 3,554 | 3,737 | 4,048 | 4,423 | 4,844 | 5,059 |
| Sociology | 3,851 | 3,944 | 4,097 | 4,200 | 4,168 | 4,214 | 4,227 | 4,542 | 4,625 |
| Other | 1,632 | 1,651 | 1,788 | 1,766 | 1,910 | 2,033 | 2,207 | 2,255 | 2,230 |
| Engineering | 3,077 | 3,019 | 3,063 | 2,884 | 2,982 | 3,074 | 3,212 | 3,185 | 3,186 |
| Aerospace engineering | 50 | 35 | 40 | 39 | 43 | 65 | 70 | 71 | 85 |
| Chemical engineering | 373 | 385 | 383 | 373 | 346 | 317 | 303 | 273 | 231 |
| Civil engineering | 403 | 401 | 403 | 329 | 317 | 292 | 320 | 342 | 324 |
| Electrical engineering | 1,067 | 1,047 | 1,049 | 1,082 | 1,103 | 1,284 | 1,393 | 1,311 | 1,257 |
| Industrial engineering | 245 | 262 | 256 | 237 | 256 | 274 | 251 | 296 | 271 |
| Materials engineering | 20 | 32 | 24 | 27 | 32 | 22 | 22 | 19 | 28 |
| Mechanical engineering | 642 | 548 | 594 | 515 | 561 | 471 | 504 | 537 | 569 |
| Other | 277 | 309 | 314 | 282 | 324 | 349 | 349 | 336 | 421 |
| Non-S&E | 62,242 | 65,127 | 71,288 | 73,358 | 76,236 | 80,546 | 84,249 | 86,395 | 90,415 |
| Hispanic | | | | | | | | | |
| All fields | 74,938 | 78,125 | 88,324 | 89,972 | 95,104 | 100,352 | 105,165 | 109,643 | 115,279 |
| S&E | 24,445 | 25,712 | 27,984 | 28,321 | 29,871 | 32,331 | 33,437 | 35,202 | 36,402 |
| Sciences | 20,320 | 21,587 | 23,909 | 24,305 | 25,735 | 27,974 | 28,967 | 30,588 | 31,514 |
| Agricultural sciences | 559 | 631 | 634 | 607 | 662 | 686 | 673 | 710 | 648 |
| Biological sciences | 3,795 | 4,283 | 4,446 | 4,547 | 4,367 | 4,840 | 4,601 | 4,814 | 5,074 |
| Computer sciences | 1,327 | 1,473 | 2,155 | 2,354 | 2,714 | 3,445 | 3,535 | 3,179 | 2,909 |
| Earth, atmospheric, and ocean sciences | 113 | 118 | 127 | 157 | 136 | 119 | 131 | 151 | 143 |
| Atmospheric sciences | 8 | 8 | 9 | 15 | 10 | 10 | 13 | 20 | 20 |
| Earth sciences | 100 | 98 | 105 | 130 | 109 | 103 | 112 | 121 | 120 |
| Ocean sciences | 5 | 12 | 13 | 12 | 17 | 6 | 6 | 10 | 3 |
| Mathematics and statistics | 560 | 604 | 599 | 625 | 672 | 669 | 676 | 815 | 871 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physical sciences | 740 | 796 | 883 | 870 | 864 | 861 | 885 | 938 | 989 |
| Astronomy | 4 | 11 | 7 | 16 | 10 | 12 | 23 | 17 | 12 |
| Chemistry | 593 | 640 | 719 | 669 | 666 | 669 | 651 | 704 | 739 |
| Physics | 119 | 117 | 125 | 151 | 157 | 164 | 187 | 183 | 206 |
| Other | 24 | 28 | 32 | 34 | 31 | 16 | 24 | 34 | 32 |
| Psychology | 5,282 | 5,509 | 6,127 | 6,178 | 6,692 | 6,807 | 7,252 | 7,654 | 8,143 |
| Social sciences | 7,944 | 8,173 | 8,938 | 8,967 | 9,628 | 10,547 | 11,214 | 12,327 | 12,737 |
| Anthropology | 445 | 397 | 462 | 465 | 494 | 533 | 568 | 578 | 607 |
| Area and ethnic studies | 570 | 678 | 659 | 648 | 688 | 717 | 756 | 827 | 926 |
| Economics | 829 | 851 | 976 | 1,030 | 1,068 | 1,188 | 1,289 | 1,352 | 1,421 |
| History of science | 1 | 2 | 3 | 5 | 7 | 4 | 7 | 6 | 5 |
| Linguistics | 24 | 39 | 42 | 45 | 39 | 48 | 71 | 68 | 80 |
| Political science and public administration | 2,912 | 2,828 | 2,975 | 2,925 | 3,135 | 3,568 | 3,857 | 4,562 | 4,497 |
| Sociology | 1,908 | 2,081 | 2,317 | 2,291 | 2,440 | 2,555 | 2,665 | 2,874 | 2,969 |
| Other | 1,255 | 1,297 | 1,504 | 1,558 | 1,757 | 1,934 | 2,001 | 2,060 | 2,232 |
| Engineering | 4,125 | 4,125 | 4,075 | 4,016 | 4,136 | 4,357 | 4,470 | 4,614 | 4,888 |
| Aerospace engineering | 93 | 78 | 67 | 92 | 97 | 110 | 121 | 139 | 153 |
| Chemical engineering | 379 | 393 | 380 | 341 | 353 | 320 | 313 | 333 | 345 |
| Civil engineering | 874 | 920 | 762 | 742 | 761 | 798 | 836 | 888 | 952 |
| Electrical engineering | 1,123 | 1,070 | 1,283 | 1,302 | 1,411 | 1,428 | 1,551 | 1,521 | 1,528 |
| Industrial engineering | 451 | 450 | 391 | 356 | 372 | 364 | 332 | 364 | 388 |
| Materials engineering | 89 | 42 | 38 | 34 | 33 | 50 | 52 | 59 | 58 |
| Mechanical engineering | 832 | 866 | 846 | 880 | 819 | 950 | 935 | 962 | 1,049 |
| Other | 284 | 306 | 308 | 269 | 290 | 337 | 330 | 348 | 415 |
| Non-S&E | 50,493 | 52,413 | 60,340 | 61,651 | 65,233 | 68,021 | 71,728 | 74,441 | 78,877 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 7,238 | 7,706 | 8,431 | 8,664 | 8,668 | 9,242 | 9,914 | 9,556 | 10,046 |
| S&E | 2,298 | 2,392 | 2,611 | 2,796 | 2,642 | 2,892 | 3,231 | 3,167 | 3,286 |
| Sciences | 2,035 | 2,138 | 2,283 | 2,540 | 2,334 | 2,572 | 2,898 | 2,818 | 2,933 |
| Agricultural sciences | 146 | 151 | 190 | 215 | 158 | 163 | 187 | 160 | 185 |
| Biological sciences | 341 | 399 | 379 | 431 | 410 | 380 | 417 | 496 | 479 |
| Computer sciences | 99 | 112 | 172 | 271 | 229 | 263 | 416 | 249 | 228 |
| Earth, atmospheric, and ocean sciences | 31 | 25 | 43 | 35 | 26 | 24 | 31 | 25 | 36 |
| Atmospheric sciences | 1 | 0 | 4 | 5 | 1 | 4 | 1 | 1 | 1 |
| Earth sciences | 26 | 25 | 35 | 29 | 23 | 18 | 30 | 23 | 35 |
| Ocean sciences | 4 | 0 | 4 | 1 | 2 | 2 | 0 | 1 | 0 |
| Mathematics and statistics | 57 | 65 | 69 | 51 | 57 | 65 | 59 | 76 | 64 |
| Physical sciences | 69 | 81 | 65 | 73 | 83 | 94 | 76 | 103 | 102 |
| Astronomy | 0 | 0 | 2 | 2 | 2 | 4 | 1 | 3 | 1 |
| Chemistry | 54 | 64 | 49 | 47 | 57 | 71 | 50 | 65 | 73 |
| Physics | 11 | 14 | 12 | 19 | 21 | 17 | 20 | 33 | 24 |
| Other | 4 | 3 | 2 | 5 | 3 | 2 | 5 | 2 | 4 |
| Psychology | 496 | 515 | 518 | 561 | 542 | 544 | 596 | 552 | 593 |
| Social sciences | 796 | 790 | 847 | 903 | 829 | 1,039 | 1,116 | 1,157 | 1,246 |
| Anthropology | 86 | 80 | 89 | 93 | 85 | 111 | 103 | 98 | 114 |
| Area and ethnic studies | 62 | 75 | 80 | 106 | 121 | 128 | 145 | 134 | 127 |
| Economics | 68 | 69 | 71 | 68 | 65 | 95 | 108 | 95 | 104 |
| History of science | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Linguistics | 5 | 10 | 10 | 2 | 2 | 9 | 4 | 12 | 7 |
| Political science and public administration | 253 | 215 | 231 | 234 | 241 | 286 | 352 | 342 | 395 |
| Sociology | 192 | 197 | 220 | 225 | 184 | 244 | 228 | 259 | 271 |
| Other | 130 | 144 | 145 | 175 | 131 | 166 | 176 | 217 | 228 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Engineering | 263 | 254 | 328 | 256 | 308 | 320 | 333 | 349 | 353 |
| Aerospace engineering | 3 | 10 | 7 | 8 | 17 | 10 | 23 | 16 | 14 |
| Chemical engineering | 29 | 31 | 42 | 31 | 33 | 34 | 29 | 30 | 27 |
| Civil engineering | 71 | 62 | 84 | 65 | 67 | 67 | 64 | 73 | 73 |
| Electrical engineering | 50 | 53 | 81 | 56 | 70 | 99 | 88 | 84 | 69 |
| Industrial engineering | 19 | 15 | 23 | 17 | 21 | 12 | 15 | 27 | 17 |
| Materials engineering | 6 | 3 | 5 | 4 | 6 | 3 | 6 | 5 | 8 |
| Mechanical engineering | 45 | 47 | 53 | 51 | 61 | 58 | 73 | 72 | 91 |
| Other | 40 | 33 | 33 | 24 | 33 | 37 | 35 | 42 | 54 |
| Non-S&E | 4,940 | 5,314 | 5,820 | 5,868 | 6,026 | 6,350 | 6,683 | 6,389 | 6,760 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 28,455 | 30,977 | 42,965 | 48,977 | 57,697 | 66,625 | 76,220 | 80,034 | 81,923 |
| S&E | 9,809 | 10,489 | 13,950 | 15,839 | 18,148 | 21,380 | 24,437 | 25,705 | 25,947 |
| Sciences | 8,470 | 9,192 | 12,334 | 13,948 | 16,046 | 18,870 | 21,806 | 22,873 | 23,004 |
| Agricultural sciences | 394 | 428 | 603 | 620 | 684 | 738 | 714 | 730 | 787 |
| Biological sciences | 1,489 | 1,673 | 2,032 | 2,163 | 2,403 | 2,599 | 2,807 | 3,049 | 3,352 |
| Computer sciences | 871 | 997 | 1,558 | 2,059 | 2,637 | 3,537 | 4,840 | 4,267 | 3,612 |
| Earth, atmospheric, and ocean sciences | 106 | 131 | 121 | 149 | 166 | 174 | 203 | 183 | 223 |
| Atmospheric sciences | 6 | 3 | 8 | 23 | 23 | 26 | 16 | 26 | 25 |
| Earth sciences | 97 | 124 | 110 | 125 | 140 | 145 | 184 | 151 | 190 |
| Ocean sciences | 3 | 4 | 3 | 1 | 3 | 3 | 3 | 6 | 8 |
| Mathematics and statistics | 273 | 269 | 397 | 456 | 491 | 607 | 671 | 742 | 809 |
| Physical sciences | 350 | 399 | 452 | 510 | 588 | 639 | 668 | 741 | 866 |
| Astronomy | 9 | 5 | 6 | 10 | 17 | 11 | 17 | 32 | 25 |
| Chemistry | 205 | 253 | 282 | 313 | 340 | 348 | 385 | 390 | 494 |
| Physics | 112 | 107 | 152 | 163 | 198 | 252 | 243 | 290 | 310 |
| Other | 24 | 34 | 12 | 24 | 33 | 28 | 23 | 29 | 37 |
| Psychology | 1,847 | 1,919 | 2,588 | 2,872 | 3,410 | 3,623 | 3,852 | 4,254 | 4,317 |
| Social sciences | 3,140 | 3,376 | 4,583 | 5,119 | 5,667 | 6,953 | 8,051 | 8,907 | 9,038 |
| Anthropology | 247 | 294 | 404 | 424 | 495 | 558 | 620 | 621 | 639 |
| Area and ethnic studies | 174 | 156 | 282 | 297 | 329 | 372 | 436 | 468 | 483 |
| Economics | 464 | 533 | 742 | 865 | 960 | 1,204 | 1,288 | 1,414 | 1,323 |
| History of science | 0 | 0 | 11 | 15 | 10 | 6 | 11 | 8 | 9 |
| Linguistics | 33 | 28 | 56 | 41 | 56 | 79 | 109 | 114 | 113 |
| Political science and public administration | 959 | 1,029 | 1,424 | 1,600 | 1,811 | 2,357 | 2,833 | 3,299 | 3,515 |
| Sociology | 611 | 691 | 867 | 984 | 1,068 | 1,182 | 1,307 | 1,472 | 1,414 |
| Other | 652 | 645 | 797 | 893 | 938 | 1,195 | 1,447 | 1,511 | 1,542 |
| Engineering | 1,339 | 1,297 | 1,616 | 1,891 | 2,102 | 2,510 | 2,631 | 2,832 | 2,943 |
| Aerospace engineering | 28 | 14 | 35 | 50 | 61 | 80 | 115 | 80 | 126 |
| Chemical engineering | 120 | 103 | 119 | 156 | 155 | 206 | 162 | 153 | 174 |
| Civil engineering | 231 | 239 | 239 | 265 | 269 | 329 | 360 | 389 | 434 |
| Electrical engineering | 368 | 384 | 565 | 676 | 775 | 943 | 1,020 | 1,031 | 982 |
| Industrial engineering | 94 | 73 | 69 | 84 | 101 | 109 | 100 | 148 | 107 |
| Materials engineering | 23 | 18 | 36 | 27 | 36 | 52 | 47 | 49 | 29 |
| Mechanical engineering | 325 | 321 | 358 | 431 | 485 | 514 | 558 | 647 | 719 |
| Other | 150 | 145 | 195 | 202 | 220 | 277 | 269 | 335 | 372 |
| Non-S&E | 18,646 | 20,488 | 29,015 | 33,138 | 39,549 | 45,245 | 51,783 | 54,329 | 55,976 |

TABLE C-6. Bachelor's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Temporary resident | | | | | | | | | |
| All fields | 38,774 | 38,887 | 38,795 | 39,479 | 41,124 | 42,823 | 44,175 | 44,448 | 45,092 |
| S&E | 14,737 | 14,709 | 15,184 | 15,714 | 16,323 | 17,729 | 18,620 | 18,444 | 18,092 |
| Sciences | 9,940 | 10,066 | 10,651 | 11,295 | 12,056 | 13,454 | 14,073 | 13,707 | 13,380 |
| Agricultural sciences | 253 | 293 | 258 | 248 | 262 | 270 | 249 | 274 | 266 |
| Biological sciences | 1,462 | 1,423 | 1,376 | 1,437 | 1,457 | 1,537 | 1,653 | 1,966 | 2,119 |
| Computer sciences | 2,015 | 2,137 | 2,886 | 3,392 | 3,888 | 4,686 | 4,861 | 3,876 | 2,944 |
| Earth, atmospheric, and ocean sciences | 78 | 82 | 46 | 49 | 59 | 57 | 50 | 80 | 76 |
| Atmospheric sciences | 11 | 4 | 8 | 2 | 6 | 8 | 3 | 10 | 5 |
| Earth sciences | 60 | 75 | 33 | 46 | 49 | 48 | 45 | 65 | 65 |
| Ocean sciences | 7 | 3 | 5 | 1 | 4 | 1 | 2 | 5 | 6 |
| Mathematics and statistics | 533 | 453 | 479 | 426 | 454 | 622 | 682 | 761 | 809 |
| Physical sciences | 593 | 593 | 532 | 558 | 545 | 523 | 591 | 670 | 764 |
| Astronomy | 8 | 11 | 4 | 13 | 16 | 15 | 10 | 20 | 13 |
| Chemistry | 396 | 385 | 344 | 335 | 343 | 326 | 350 | 398 | 466 |
| Physics | 176 | 178 | 160 | 182 | 167 | 168 | 189 | 201 | 243 |
| Other | 13 | 19 | 24 | 28 | 19 | 14 | 42 | 51 | 42 |
| Psychology | 1,049 | 1,170 | 1,264 | 1,283 | 1,367 | 1,394 | 1,471 | 1,504 | 1,577 |
| Social sciences | 3,957 | 3,915 | 3,810 | 3,902 | 4,024 | 4,365 | 4,516 | 4,576 | 4,825 |
| Anthropology | 173 | 102 | 116 | 120 | 114 | 94 | 106 | 115 | 123 |
| Area and ethnic studies | 198 | 177 | 178 | 167 | 160 | 160 | 164 | 163 | 175 |
| Economics | 1,824 | 1,783 | 1,691 | 1,824 | 1,904 | 2,048 | 2,170 | 2,200 | 2,136 |
| History of science | 0 | 1 | 1 | 3 | 2 | 3 | 0 | 1 | 3 |
| Linguistics | 86 | 100 | 83 | 77 | 81 | 80 | 74 | 77 | 74 |
| Political science and public administration | 1,052 | 1,179 | 1,154 | 1,147 | 1,162 | 1,284 | 1,307 | 1,266 | 1,474 |
| Sociology | 299 | 309 | 299 | 258 | 295 | 349 | 326 | 329 | 390 |
| Other | 325 | 264 | 288 | 306 | 306 | 347 | 369 | 425 | 450 |
| Engineering | 4,797 | 4,643 | 4,533 | 4,419 | 4,267 | 4,275 | 4,547 | 4,737 | 4,712 |
| Aerospace engineering | 129 | 137 | 121 | 148 | 122 | 160 | 174 | 171 | 147 |
| Chemical engineering | 571 | 507 | 445 | 424 | 447 | 359 | 368 | 411 | 436 |
| Civil engineering | 474 | 510 | 459 | 412 | 371 | 349 | 315 | 326 | 342 |
| Electrical engineering | 1,870 | 1,837 | 1,836 | 1,842 | 1,869 | 2,052 | 2,273 | 2,319 | 2,176 |
| Industrial engineering | 480 | 486 | 481 | 475 | 442 | 402 | 381 | 395 | 429 |
| Materials engineering | 28 | 33 | 37 | 42 | 29 | 31 | 29 | 40 | 46 |
| Mechanical engineering | 908 | 797 | 789 | 744 | 683 | 596 | 614 | 647 | 650 |
| Other | 337 | 336 | 365 | 332 | 304 | 326 | 393 | 428 | 486 |
| Non-S&E | 24,037 | 24,178 | 23,611 | 23,765 | 24,801 | 25,094 | 25,555 | 26,004 | 27,000 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| White | | | | | | | | | |
| All fields | 76.5 | 75.6 | 73.7 | 72.9 | 72.2 | 71.4 | 70.7 | 70.2 | 69.7 |
| S&E | 73.5 | 72.5 | 70.5 | 69.7 | 69.2 | 68.6 | 67.8 | 67.3 | 67.2 |
| Sciences | 73.7 | 72.6 | 70.4 | 69.5 | 69.0 | 68.3 | 67.5 | 67.1 | 67.0 |
| Agricultural sciences | 89.1 | 88.4 | 87.0 | 86.8 | 86.1 | 85.7 | 85.5 | 85.2 | 84.5 |
| Biological sciences | 71.3 | 69.9 | 69.1 | 68.1 | 68.5 | 67.6 | 67.3 | 66.3 | 65.6 |
| Computer sciences | 67.8 | 66.8 | 62.9 | 61.5 | 60.8 | 59.0 | 57.8 | 59.1 | 60.7 |
| Earth, atmospheric, and ocean sciences | 90.8 | 89.7 | 89.0 | 87.7 | 87.9 | 88.4 | 86.6 | 86.8 | 85.9 |
| Atmospheric sciences | 92.9 | 94.8 | 90.7 | 87.0 | 90.0 | 89.0 | 89.3 | 89.5 | 88.7 |
| Earth sciences | 91.0 | 89.3 | 89.0 | 87.8 | 88.1 | 88.5 | 86.1 | 86.4 | 85.4 |
| Ocean sciences | 84.3 | 85.7 | 85.5 | 86.4 | 80.1 | 83.6 | 87.4 | 80.9 | 82.8 |
| Mathematics and statistics | 77.4 | 76.5 | 74.6 | 74.1 | 74.1 | 73.2 | 73.7 | 72.2 | 72.2 |
| Physical sciences | 74.5 | 73.3 | 71.9 | 72.1 | 72.0 | 73.0 | 72.0 | 71.7 | 70.5 |
| Astronomy | 84.8 | 80.9 | 84.0 | 81.5 | 78.5 | 82.8 | 78.0 | 75.2 | 76.2 |
| Chemistry | 71.6 | 70.3 | 68.7 | 68.6 | 68.8 | 69.7 | 68.7 | 69.1 | 67.4 |
| Physics | 81.5 | 80.9 | 79.4 | 80.2 | 78.7 | 79.1 | 78.9 | 77.4 | 77.1 |
| Other | 83.6 | 81.0 | 81.1 | 80.7 | 78.3 | 80.8 | 74.6 | 73.1 | 73.7 |
| Psychology | 75.1 | 74.0 | 71.4 | 70.7 | 70.2 | 70.3 | 69.7 | 68.7 | 68.4 |
| Social sciences | 71.9 | 70.8 | 68.9 | 68.1 | 67.7 | 67.1 | 66.3 | 65.3 | 65.1 |
| Anthropology | 79.3 | 79.3 | 77.5 | 77.0 | 75.9 | 75.1 | 73.1 | 73.2 | 72.5 |
| Area and ethnic studies | 59.8 | 56.7 | 54.1 | 54.5 | 54.1 | 52.8 | 52.3 | 50.2 | 49.6 |
| Economics | 72.0 | 70.5 | 68.3 | 66.9 | 67.1 | 65.5 | 64.4 | 64.1 | 63.9 |
| History of science | 77.4 | 86.8 | 63.7 | 58.2 | 59.4 | 68.0 | 71.4 | 74.1 | 75.5 |
| Linguistics | 73.1 | 68.4 | 69.9 | 73.4 | 75.0 | 71.8 | 67.0 | 65.3 | 68.4 |
| Political science and public administration | 72.8 | 72.2 | 70.8 | 70.3 | 69.9 | 69.6 | 68.8 | 67.5 | 67.4 |
| Sociology | 68.1 | 66.9 | 65.2 | 64.2 | 63.3 | 63.0 | 62.5 | 61.1 | 60.3 |
| Other | 75.4 | 74.7 | 72.1 | 71.2 | 70.4 | 69.8 | 69.1 | 68.5 | 68.9 |
| Engineering | 72.4 | 72.1 | 71.0 | 70.7 | 70.5 | 70.3 | 69.6 | 68.7 | 68.6 |
| Aerospace engineering | 74.8 | 79.0 | 78.4 | 78.4 | 78.7 | 77.9 | 76.0 | 77.9 | 76.9 |
| Chemical engineering | 72.3 | 70.9 | 70.3 | 71.7 | 72.3 | 72.2 | 72.3 | 71.5 | 69.8 |
| Civil engineering | 77.5 | 77.0 | 76.6 | 77.5 | 77.7 | 78.0 | 77.2 | 76.0 | 75.3 |
| Electrical engineering | 63.8 | 63.3 | 61.3 | 59.8 | 58.3 | 58.7 | 57.3 | 56.9 | 56.6 |
| Industrial engineering | 64.6 | 66.6 | 69.0 | 69.7 | 68.7 | 67.6 | 68.7 | 66.5 | 66.8 |
| Materials engineering | 78.6 | 78.0 | 79.3 | 79.7 | 78.8 | 76.3 | 73.4 | 73.1 | 69.9 |
| Mechanical engineering | 76.9 | 76.8 | 76.8 | 76.8 | 77.8 | 78.2 | 78.2 | 76.9 | 76.3 |
| Other | 76.6 | 76.3 | 74.9 | 74.7 | 74.8 | 73.4 | 72.6 | 70.7 | 68.7 |
| Non-S&E | 77.9 | 77.1 | 75.2 | 74.4 | 73.6 | 72.8 | 72.0 | 71.5 | 70.9 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 5.9 | 6.0 | 6.2 | 6.2 | 6.3 | 6.3 | 6.3 | 6.5 | 6.7 |
| S&E | 8.7 | 9.0 | 9.3 | 9.5 | 9.4 | 9.4 | 9.4 | 9.6 | 9.7 |
| Sciences | 8.1 | 8.4 | 8.7 | 8.9 | 8.8 | 8.9 | 8.9 | 9.0 | 9.1 |
| Agricultural sciences | 2.3 | 2.5 | 2.5 | 2.3 | 2.4 | 2.6 | 2.5 | 2.6 | 3.2 |
| Biological sciences | 13.4 | 13.5 | 12.6 | 12.4 | 12.0 | 11.9 | 12.3 | 13.4 | 14.2 |
| Computer sciences | 12.0 | 12.6 | 15.7 | 15.9 | 15.9 | 15.6 | 14.2 | 13.0 | 11.0 |
| Earth, atmospheric, and ocean sciences | 2.2 | 2.2 | 2.4 | 2.2 | 2.2 | 1.9 | 2.2 | 2.2 | 2.4 |
| Atmospheric sciences | 1.7 | 1.1 | 2.9 | 3.1 | 1.5 | 1.6 | 1.9 | 2.2 | 2.1 |

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Earth sciences | 2.0 | 2.1 | 2.3 | 1.9 | 2.0 | 1.8 | 2.1 | 2.2 | 2.4 |
| Ocean sciences | 5.6 | 5.2 | 3.6 | 4.5 | 5.4 | 4.5 | 5.7 | 1.5 | 5.1 |
| Mathematics and statistics | 7.0 | 7.2 | 7.9 | 8.3 | 8.5 | 9.4 | 9.5 | 10.1 | 10.0 |
| Physical sciences | 10.4 | 10.8 | 10.4 | 9.9 | 9.0 | 8.4 | 9.0 | 9.2 | 10.4 |
| Astronomy | 5.3 | 7.6 | 5.8 | 5.3 | 9.2 | 6.3 | 6.4 | 6.8 | 10.5 |
| Chemistry | 12.2 | 12.7 | 12.0 | 11.9 | 10.7 | 9.9 | 10.7 | 10.7 | 12.2 |
| Physics | 6.3 | 6.3 | 6.8 | 5.6 | 5.3 | 5.4 | 5.6 | 5.9 | 6.5 |
| Other | 4.3 | 3.6 | 4.2 | 3.6 | 5.0 | 5.1 | 6.3 | 7.0 | 6.2 |
| Psychology | 5.5 | 5.8 | 5.7 | 5.7 | 5.6 | 5.2 | 5.4 | 5.7 | 6.1 |
| Social sciences | 6.7 | 7.2 | 7.5 | 7.8 | 7.8 | 8.0 | 8.3 | 8.5 | 8.5 |
| Anthropology | 5.5 | 5.9 | 4.9 | 4.9 | 5.3 | 5.3 | 5.3 | 5.6 | 6.2 |
| Area and ethnic studies | 11.3 | 12.8 | 13.6 | 13.2 | 12.1 | 12.0 | 12.5 | 13.6 | 12.9 |
| Economics | 13.6 | 14.8 | 15.7 | 16.6 | 16.2 | 17.0 | 17.6 | 17.4 | 17.3 |
| History of science | 12.9 | 7.9 | 13.2 | 15.3 | 19.8 | 16.0 | 10.0 | 9.5 | 8.2 |
| Linguistics | 12.6 | 14.7 | 11.2 | 10.1 | 9.4 | 10.0 | 10.8 | 11.5 | 9.9 |
| Political science and public administration | 5.7 | 6.0 | 5.9 | 6.3 | 6.2 | 6.2 | 6.3 | 6.5 | 6.7 |
| Sociology | 5.0 | 4.9 | 5.2 | 5.2 | 5.3 | 5.3 | 6.0 | 6.6 | 6.8 |
| Other | 4.0 | 4.2 | 4.6 | 5.0 | 4.8 | 5.1 | 5.3 | 5.6 | 5.6 |
| Engineering | 12.3 | 12.4 | 12.5 | 12.8 | 12.6 | 12.5 | 12.7 | 13.4 | 13.5 |
| Aerospace engineering | 10.2 | 8.6 | 8.6 | 7.6 | 7.9 | 7.8 | 8.7 | 8.3 | 8.6 |
| Chemical engineering | 13.6 | 14.4 | 13.6 | 12.4 | 11.6 | 10.9 | 10.9 | 10.9 | 12.6 |
| Civil engineering | 8.8 | 8.3 | 7.1 | 6.1 | 5.7 | 5.5 | 5.4 | 6.2 | 7.5 |
| Electrical engineering | 18.3 | 19.0 | 19.8 | 21.3 | 22.1 | 21.2 | 21.4 | 22.5 | 21.7 |
| Industrial engineering | 12.4 | 10.5 | 9.6 | 9.5 | 10.1 | 10.9 | 11.0 | 9.9 | 10.5 |
| Materials engineering | 8.1 | 12.2 | 9.7 | 9.9 | 9.4 | 9.9 | 11.4 | 11.7 | 17.3 |
| Mechanical engineering | 8.8 | 9.0 | 8.1 | 8.0 | 7.0 | 7.0 | 6.7 | 7.6 | 8.0 |
| Other | 11.8 | 11.3 | 11.8 | 12.6 | 11.8 | 12.0 | 13.4 | 15.1 | 16.3 |
| Non-S&E | 4.5 | 4.6 | 4.8 | 4.7 | 4.8 | 4.8 | 4.8 | 5.0 | 5.2 |
| Black | | | | | | | | | |
| All fields | 8.0 | 8.3 | 8.6 | 8.8 | 8.8 | 8.9 | 9.0 | 9.0 | 9.1 |
| S&E | 8.0 | 8.2 | 8.6 | 8.7 | 8.7 | 8.7 | 8.8 | 8.8 | 8.7 |
| Sciences | 8.5 | 8.7 | 9.1 | 9.2 | 9.3 | 9.2 | 9.3 | 9.3 | 9.2 |
| Agricultural sciences | 2.1 | 2.3 | 2.5 | 2.5 | 2.7 | 2.6 | 2.7 | 2.6 | 2.8 |
| Biological sciences | 6.5 | 6.9 | 7.5 | 7.7 | 7.7 | 7.9 | 8.0 | 7.7 | 7.6 |
| Computer sciences | 10.4 | 10.4 | 10.1 | 10.8 | 10.9 | 11.4 | 11.3 | 11.4 | 11.6 |
| Earth, atmospheric, and ocean sciences | 1.3 | 1.7 | 1.3 | 1.4 | 1.6 | 1.5 | 1.7 | 1.8 | 1.5 |
| Atmospheric sciences | 1.9 | 1.6 | 2.1 | 0.4 | 1.9 | 2.2 | 3.5 | 1.2 | 2.1 |
| Earth sciences | 1.1 | 1.7 | 1.2 | 1.6 | 1.3 | 1.3 | 1.4 | 1.8 | 1.4 |
| Ocean sciences | 4.0 | 1.4 | 0.5 | 1.1 | 4.5 | 3.7 | 1.3 | 4.6 | 1.0 |
| Mathematics and statistics | 8.3 | 8.3 | 8.0 | 7.3 | 7.1 | 6.4 | 6.0 | 6.1 | 5.8 |
| Physical sciences | 7.2 | 7.2 | 7.8 | 7.3 | 7.6 | 6.8 | 7.0 | 6.7 | 6.6 |
| Astronomy | 0.0 | 1.3 | 0.6 | 0.9 | 1.2 | 0.4 | 1.1 | 1.3 | 2.5 |
| Chemistry | 8.2 | 7.9 | 8.8 | 8.7 | 8.7 | 8.3 | 8.4 | 8.0 | 7.9 |
| Physics | 4.6 | 5.5 | 4.7 | 4.1 | 5.2 | 3.9 | 4.2 | 4.1 | 3.9 |
| Other | 5.6 | 6.9 | 7.6 | 5.5 | 5.9 | 6.2 | 7.4 | 7.0 | 6.2 |
| Psychology | 9.0 | 9.3 | 10.3 | 10.4 | 10.2 | 10.3 | 10.5 | 10.8 | 10.5 |

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Social sciences | 10.3 | 10.4 | 10.5 | 10.5 | 10.5 | 10.1 | 10.1 | 10.2 | 10.3 |
| Anthropology | 3.3 | 3.4 | 3.9 | 3.6 | 3.6 | 3.5 | 4.5 | 4.2 | 4.2 |
| Area and ethnic studies | 12.9 | 13.1 | 13.6 | 12.8 | 13.8 | 13.4 | 13.2 | 14.0 | 14.9 |
| Economics | 5.8 | 5.9 | 5.9 | 5.9 | 6.1 | 6.1 | 6.2 | 6.0 | 6.1 |
| History of science | 6.5 | 0.0 | 6.6 | 6.1 | 4.0 | 6.0 | 5.7 | 4.3 | 3.6 |
| Linguistics | 1.6 | 3.6 | 2.2 | 3.5 | 3.2 | 2.0 | 3.3 | 3.4 | 3.9 |
| Political science and public administration | 10.2 | 10.3 | 10.2 | 10.0 | 10.0 | 9.5 | 9.6 | 9.7 | 9.7 |
| Sociology | 15.7 | 16.0 | 16.1 | 16.7 | 16.7 | 16.3 | 15.8 | 16.1 | 16.4 |
| Other | 9.1 | 9.3 | 9.8 | 9.6 | 10.0 | 9.6 | 9.7 | 9.7 | 9.1 |
| Engineering | 5.3 | 5.4 | 5.6 | 5.3 | 5.3 | 5.2 | 5.3 | 5.2 | 5.0 |
| Aerospace engineering | 4.3 | 3.2 | 3.5 | 2.9 | 2.6 | 3.5 | 3.3 | 3.2 | 3.3 |
| Chemical engineering | 5.8 | 6.2 | 6.6 | 6.6 | 6.3 | 6.1 | 6.3 | 6.1 | 5.2 |
| Civil engineering | 3.5 | 3.6 | 4.4 | 3.9 | 3.7 | 3.2 | 3.5 | 3.6 | 3.1 |
| Electrical engineering | 7.3 | 7.2 | 6.6 | 6.5 | 6.4 | 6.9 | 7.3 | 6.9 | 7.1 |
| Industrial engineering | 7.0 | 7.5 | 7.4 | 7.1 | 7.2 | 7.7 | 7.3 | 8.4 | 7.9 |
| Materials engineering | 1.9 | 3.3 | 2.6 | 3.0 | 3.5 | 2.4 | 2.6 | 2.2 | 2.9 |
| Mechanical engineering | 5.0 | 4.4 | 4.8 | 4.1 | 4.4 | 3.5 | 3.7 | 3.8 | 3.7 |
| Other | 4.3 | 4.8 | 4.9 | 4.6 | 5.0 | 5.1 | 5.0 | 4.5 | 5.0 |
| Non-S&E | 8.0 | 8.3 | 8.6 | 8.8 | 8.8 | 9.0 | 9.1 | 9.1 | 9.3 |
| Hispanic | | | | | | | | | |
| All fields | 6.5 | 6.7 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.9 | 8.1 |
| S&E | 6.5 | 6.8 | 7.3 | 7.4 | 7.5 | 7.6 | 7.6 | 7.9 | 8.0 |
| Sciences | 6.4 | 6.8 | 7.3 | 7.4 | 7.5 | 7.7 | 7.7 | 7.9 | 8.0 |
| Agricultural sciences | 3.3 | 3.6 | 3.5 | 3.5 | 3.9 | 3.9 | 4.0 | 4.2 | 3.8 |
| Biological sciences | 6.0 | 6.5 | 7.0 | 7.5 | 7.2 | 7.8 | 7.3 | 7.3 | 7.2 |
| Computer sciences | 5.7 | 5.8 | 6.2 | 5.9 | 6.0 | 6.7 | 6.7 | 6.8 | 7.2 |
| Earth, atmospheric, and ocean sciences | 2.6 | 2.8 | 3.2 | 4.0 | 3.5 | 3.1 | 3.4 | 3.9 | 3.6 |
| Atmospheric sciences | 1.9 | 1.8 | 1.9 | 3.3 | 1.9 | 1.8 | 2.3 | 3.0 | 3.0 |
| Earth sciences | 2.7 | 2.7 | 3.2 | 4.0 | 3.4 | 3.2 | 3.6 | 3.9 | 3.8 |
| Ocean sciences | 2.5 | 5.7 | 6.7 | 6.8 | 7.7 | 4.5 | 3.8 | 7.6 | 3.0 |
| Mathematics and statistics | 4.6 | 5.2 | 5.3 | 5.7 | 5.7 | 5.5 | 5.2 | 5.8 | 6.0 |
| Physical sciences | 5.0 | 5.4 | 6.3 | 6.4 | 6.4 | 6.3 | 6.5 | 6.5 | 6.3 |
| Astronomy | 3.0 | 7.0 | 4.5 | 7.0 | 3.8 | 4.7 | 8.2 | 5.5 | 3.4 |
| Chemistry | 5.6 | 6.1 | 7.2 | 7.1 | 7.3 | 7.4 | 7.3 | 7.4 | 7.1 |
| Physics | 3.7 | 3.6 | 3.9 | 4.6 | 4.5 | 4.4 | 4.7 | 4.6 | 4.8 |
| Other | 3.0 | 3.7 | 5.0 | 5.5 | 5.0 | 2.7 | 5.4 | 6.8 | 6.0 |
| Psychology | 7.2 | 7.5 | 8.3 | 8.5 | 8.8 | 8.8 | 8.9 | 9.1 | 9.4 |
| Social sciences | 7.4 | 7.6 | 8.1 | 8.1 | 8.4 | 8.4 | 8.4 | 8.8 | 8.9 |
| Anthropology | 6.8 | 5.8 | 6.7 | 6.9 | 7.0 | 7.2 | 7.6 | 7.6 | 7.6 |
| Area and ethnic studies | 11.3 | 12.9 | 12.1 | 12.0 | 12.1 | 12.8 | 12.4 | 12.8 | 13.6 |
| Economics | 5.2 | 5.2 | 5.5 | 5.6 | 5.4 | 5.4 | 5.7 | 5.9 | 6.3 |
| History of science | 3.2 | 5.3 | 3.3 | 5.1 | 6.9 | 4.0 | 5.0 | 5.2 | 4.5 |
| Linguistics | 4.9 | 6.7 | 6.5 | 6.6 | 5.0 | 5.7 | 7.3 | 7.0 | 7.1 |
| Political science and public administration | 7.9 | 8.0 | 8.4 | 8.2 | 8.4 | 8.4 | 8.4 | 9.1 | 8.7 |
| Sociology | 7.8 | 8.5 | 9.1 | 9.1 | 9.8 | 9.9 | 10.0 | 10.2 | 10.5 |
| Other | 7.0 | 7.3 | 8.3 | 8.4 | 9.2 | 9.1 | 8.8 | 8.8 | 9.1 |

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Engineering | 7.2 | 7.3 | 7.4 | 7.3 | 7.3 | 7.3 | 7.4 | 7.5 | 7.7 |
| Aerospace engineering | 8.0 | 7.0 | 5.8 | 6.8 | 6.0 | 5.9 | 5.6 | 6.3 | 5.9 |
| Chemical engineering | 5.9 | 6.3 | 6.6 | 6.0 | 6.4 | 6.2 | 6.5 | 7.4 | 7.8 |
| Civil engineering | 7.6 | 8.4 | 8.3 | 8.7 | 8.9 | 8.8 | 9.2 | 9.4 | 9.2 |
| Electrical engineering | 7.7 | 7.4 | 8.1 | 7.9 | 8.2 | 7.6 | 8.1 | 8.0 | 8.6 |
| Industrial engineering | 12.8 | 12.8 | 11.3 | 10.6 | 10.5 | 10.3 | 9.7 | 10.3 | 11.2 |
| Materials engineering | 8.6 | 4.3 | 4.1 | 3.8 | 3.7 | 5.4 | 6.2 | 6.8 | 6.0 |
| Mechanical engineering | 6.5 | 6.9 | 6.9 | 7.1 | 6.5 | 7.1 | 6.8 | 6.7 | 6.8 |
| Other | 4.4 | 4.8 | 4.8 | 4.4 | 4.5 | 4.9 | 4.7 | 4.7 | 4.9 |
| Non-S&E | 6.5 | 6.7 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.9 | 8.1 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| S&E | 0.6 | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| Sciences | 0.6 | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 |
| Agricultural sciences | 0.9 | 0.9 | 1.1 | 1.2 | 0.9 | 0.9 | 1.1 | 1.0 | 1.1 |
| Biological sciences | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 | 0.7 |
| Computer sciences | 0.4 | 0.4 | 0.5 | 0.7 | 0.5 | 0.5 | 0.8 | 0.5 | 0.6 |
| Earth, atmospheric, and ocean sciences | 0.7 | 0.6 | 1.1 | 0.9 | 0.7 | 0.6 | 0.8 | 0.6 | 0.9 |
| Atmospheric sciences | 0.2 | 0.0 | 0.8 | 1.1 | 0.2 | 0.7 | 0.2 | 0.1 | 0.2 |
| Earth sciences | 0.7 | 0.7 | 1.1 | 0.9 | 0.7 | 0.6 | 1.0 | 0.7 | 1.1 |
| Ocean sciences | 2.0 | 0.0 | 2.1 | 0.6 | 0.9 | 1.5 | 0.0 | 0.8 | 0.0 |
| Mathematics and statistics | 0.5 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 |
| Physical sciences | 0.5 | 0.6 | 0.5 | 0.5 | 0.6 | 0.7 | 0.6 | 0.7 | 0.7 |
| Astronomy | 0.0 | 0.0 | 1.3 | 0.9 | 0.8 | 1.6 | 0.4 | 1.0 | 0.3 |
| Chemistry | 0.5 | 0.6 | 0.5 | 0.5 | 0.6 | 0.8 | 0.6 | 0.7 | 0.7 |
| Physics | 0.3 | 0.4 | 0.4 | 0.6 | 0.6 | 0.5 | 0.5 | 0.8 | 0.6 |
| Other | 0.5 | 0.4 | 0.3 | 0.8 | 0.5 | 0.3 | 1.1 | 0.4 | 0.8 |
| Psychology | 0.7 | 0.7 | 0.7 | 0.8 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| Social sciences | 0.7 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 | 0.8 | 0.8 | 0.9 |
| Anthropology | 1.3 | 1.2 | 1.3 | 1.4 | 1.2 | 1.5 | 1.4 | 1.3 | 1.4 |
| Area and ethnic studies | 1.2 | 1.4 | 1.5 | 2.0 | 2.1 | 2.3 | 2.4 | 2.1 | 1.9 |
| Economics | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.4 | 0.5 | 0.4 | 0.5 |
| History of science | 0.0 | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Linguistics | 1.0 | 1.7 | 1.6 | 0.3 | 0.3 | 1.1 | 0.4 | 1.2 | 0.6 |
| Political science and public administration | 0.7 | 0.6 | 0.7 | 0.7 | 0.6 | 0.7 | 0.8 | 0.7 | 0.8 |
| Sociology | 0.8 | 0.8 | 0.9 | 0.9 | 0.7 | 0.9 | 0.9 | 0.9 | 1.0 |
| Other | 0.7 | 0.8 | 0.8 | 0.9 | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 |
| Engineering | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 |
| Aerospace engineering | 0.3 | 0.9 | 0.6 | 0.6 | 1.0 | 0.5 | 1.1 | 0.7 | 0.5 |
| Chemical engineering | 0.5 | 0.5 | 0.7 | 0.5 | 0.6 | 0.7 | 0.6 | 0.7 | 0.6 |
| Civil engineering | 0.6 | 0.6 | 0.9 | 0.8 | 0.8 | 0.7 | 0.7 | 0.8 | 0.7 |
| Electrical engineering | 0.3 | 0.4 | 0.5 | 0.3 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 |
| Industrial engineering | 0.5 | 0.4 | 0.7 | 0.5 | 0.6 | 0.3 | 0.4 | 0.8 | 0.5 |
| Materials engineering | 0.6 | 0.3 | 0.5 | 0.5 | 0.7 | 0.3 | 0.7 | 0.6 | 0.8 |
| Mechanical engineering | 0.3 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 |
| Other | 0.6 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 |
| Non-S&E | 0.6 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |

TABLE C-7. Racial/ethnic distribution of S&E bachelor's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 2.5 | 2.7 | 3.5 | 4.0 | 4.6 | 5.1 | 5.6 | 5.7 | 5.7 |
| S&E | 2.6 | 2.8 | 3.6 | 4.1 | 4.5 | 5.1 | 5.6 | 5.7 | 5.7 |
| Sciences | 2.7 | 2.9 | 3.8 | 4.2 | 4.7 | 5.2 | 5.8 | 5.9 | 5.9 |
| Agricultural sciences | 2.3 | 2.4 | 3.4 | 3.6 | 4.0 | 4.2 | 4.3 | 4.3 | 4.6 |
| Biological sciences | 2.3 | 2.5 | 3.2 | 3.6 | 4.0 | 4.2 | 4.4 | 4.6 | 4.7 |
| Computer sciences | 3.7 | 3.9 | 4.5 | 5.2 | 5.8 | 6.8 | 9.2 | 9.1 | 9.0 |
| Earth, atmospheric, and ocean sciences | 2.4 | 3.1 | 3.0 | 3.8 | 4.2 | 4.5 | 5.3 | 4.7 | 5.7 |
| Atmospheric sciences | 1.4 | 0.7 | 1.7 | 5.1 | 4.4 | 4.7 | 2.8 | 3.9 | 3.8 |
| Earth sciences | 2.6 | 3.5 | 3.3 | 3.8 | 4.4 | 4.5 | 5.9 | 4.9 | 6.0 |
| Ocean sciences | 1.5 | 1.9 | 1.6 | 0.6 | 1.4 | 2.2 | 1.9 | 4.6 | 8.1 |
| Mathematics and statistics | 2.2 | 2.3 | 3.5 | 4.1 | 4.2 | 5.0 | 5.1 | 5.3 | 5.6 |
| Physical sciences | 2.4 | 2.7 | 3.2 | 3.7 | 4.4 | 4.7 | 4.9 | 5.2 | 5.5 |
| Astronomy | 6.8 | 3.2 | 3.8 | 4.4 | 6.5 | 4.3 | 6.0 | 10.3 | 7.1 |
| Chemistry | 1.9 | 2.4 | 2.8 | 3.3 | 3.7 | 3.9 | 4.3 | 4.1 | 4.7 |
| Physics | 3.5 | 3.3 | 4.7 | 5.0 | 5.7 | 6.7 | 6.1 | 7.2 | 7.2 |
| Other | 3.0 | 4.5 | 1.9 | 3.9 | 5.3 | 4.8 | 5.2 | 5.8 | 7.0 |
| Psychology | 2.5 | 2.6 | 3.5 | 3.9 | 4.5 | 4.7 | 4.8 | 5.0 | 5.0 |
| Social sciences | 2.9 | 3.2 | 4.2 | 4.6 | 4.9 | 5.6 | 6.1 | 6.4 | 6.3 |
| Anthropology | 3.8 | 4.3 | 5.8 | 6.3 | 7.0 | 7.5 | 8.2 | 8.1 | 8.0 |
| Area and ethnic studies | 3.4 | 3.0 | 5.2 | 5.5 | 5.8 | 6.7 | 7.2 | 7.3 | 7.1 |
| Economics | 2.9 | 3.2 | 4.2 | 4.7 | 4.8 | 5.5 | 5.7 | 6.2 | 5.9 |
| History of science | 0.0 | 0.0 | 12.1 | 15.3 | 9.9 | 6.0 | 7.9 | 6.9 | 8.2 |
| Linguistics | 6.7 | 4.8 | 8.7 | 6.0 | 7.2 | 9.4 | 11.2 | 11.7 | 10.0 |
| Political science and public administration | 2.6 | 2.9 | 4.0 | 4.5 | 4.8 | 5.6 | 6.2 | 6.6 | 6.8 |
| Sociology | 2.5 | 2.8 | 3.4 | 3.9 | 4.3 | 4.6 | 4.9 | 5.2 | 5.0 |
| Other | 3.7 | 3.6 | 4.4 | 4.8 | 4.9 | 5.6 | 6.3 | 6.5 | 6.3 |
| Engineering | 2.3 | 2.3 | 2.9 | 3.4 | 3.7 | 4.2 | 4.4 | 4.6 | 4.6 |
| Aerospace engineering | 2.4 | 1.3 | 3.1 | 3.7 | 3.8 | 4.3 | 5.4 | 3.6 | 4.8 |
| Chemical engineering | 1.9 | 1.7 | 2.1 | 2.8 | 2.8 | 4.0 | 3.4 | 3.4 | 3.9 |
| Civil engineering | 2.0 | 2.2 | 2.6 | 3.1 | 3.2 | 3.6 | 4.0 | 4.1 | 4.2 |
| Electrical engineering | 2.5 | 2.7 | 3.6 | 4.1 | 4.5 | 5.0 | 5.3 | 5.4 | 5.6 |
| Industrial engineering | 2.7 | 2.1 | 2.0 | 2.5 | 2.9 | 3.1 | 2.9 | 4.2 | 3.1 |
| Materials engineering | 2.2 | 1.8 | 3.9 | 3.0 | 4.0 | 5.7 | 5.6 | 5.7 | 3.0 |
| Mechanical engineering | 2.5 | 2.6 | 2.9 | 3.5 | 3.8 | 3.8 | 4.1 | 4.5 | 4.6 |
| Other | 2.3 | 2.3 | 3.0 | 3.3 | 3.4 | 4.0 | 3.8 | 4.5 | 4.4 |
| Non-S&E | 2.4 | 2.6 | 3.5 | 4.0 | 4.6 | 5.1 | 5.6 | 5.7 | 5.8 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-8. Bachelor's degrees awarded in engineering, by sex, race/ethnicity, and citizenship: 1990–2007

| Year | All recipients | Sex | | Race/ethnicity | | | | | Foreign national |
|------|----------------|--------|--------|----------------|----------|----------|----------|----------|------------------|
| | | Female | Male | White | Asian | African | Hispanic | Native | |
| | | | | | American | American | American | American | |
| 1990 | 65,967 | 10,130 | 55,837 | 50,099 | 5,989 | 2,173 | 2,473 | 112 | 5,121 |
| 1991 | 63,986 | 10,016 | 53,970 | 48,028 | 6,305 | 2,304 | 2,663 | 146 | 4,540 |
| 1992 | 63,653 | 9,972 | 53,681 | 47,540 | 6,479 | 2,374 | 2,708 | 163 | 4,389 |
| 1993 | 65,001 | 10,453 | 54,548 | 47,976 | 6,764 | 2,637 | 2,845 | 175 | 4,604 |
| 1994 | 64,946 | 10,800 | 54,146 | 47,136 | 6,881 | 2,769 | 3,045 | 207 | 4,908 |
| 1995 | 64,749 | 11,303 | 53,446 | 46,264 | 7,056 | 2,897 | 3,409 | 230 | 4,893 |
| 1996 | 65,267 | 11,737 | 53,530 | 45,952 | 7,333 | 3,120 | 3,557 | 263 | 5,042 |
| 1997 | 65,091 | 12,160 | 52,931 | 44,976 | 7,625 | 3,203 | 4,005 | 265 | 5,017 |
| 1998 | 63,262 | 11,796 | 51,466 | 43,719 | 7,131 | 3,144 | 3,938 | 247 | 5,083 |
| 1999 | 62,500 | 12,360 | 50,140 | 42,650 | 7,226 | 3,171 | 4,073 | 328 | 5,052 |
| 2000 | 63,635 | 13,140 | 50,495 | 43,437 | 7,529 | 3,150 | 4,124 | 347 | 5,048 |
| 2001 | 65,195 | 13,195 | 52,000 | 44,407 | 8,340 | 3,182 | 4,152 | 275 | 4,839 |
| 2002 | 68,648 | 14,102 | 54,546 | 47,149 | 8,669 | 3,358 | 4,298 | 315 | 4,859 |
| 2003 | 75,031 | 15,114 | 59,917 | 51,297 | 9,705 | 3,429 | 4,652 | 388 | 5,560 |
| 2004 | 76,003 | 15,282 | 60,721 | 51,420 | 9,941 | 3,699 | 4,813 | 362 | 5,768 |
| 2005 | 76,003 | 14,868 | 61,135 | 51,302 | 10,033 | 3,756 | 4,890 | 378 | 5,644 |
| 2006 | 76,103 | 14,654 | 61,449 | 51,944 | 9,719 | 3,673 | 4,957 | 456 | 5,354 |
| 2007 | 75,823 | 14,101 | 61,722 | 51,911 | 9,466 | 3,735 | 5,133 | 426 | 5,152 |

NOTE: These data differ from data collected by the National Center for Education Statistics (NCES) due to differences in population covered and taxonomy. The primary difference is that these data include some degrees that are counted as computer science by NCES. Race/ethnicity categories are those used in the survey's data collection.

SOURCE: Engineering Workforce Commission, *Engineering and Technology Degrees, 2007* (Washington, DC, 2008).

TABLE C-9. Bachelor's degrees awarded by historically black colleges and universities to U.S.-citizen and permanent-resident blacks, by field: 1997–2006

| Institution type and field | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|---|--------|---------|---------|---------|---------|---------|---------|---------|
| | Number of recipients | | | | | | | | |
| All institutions | | | | | | | | | |
| All fields | 92,067 | 95,878 | 104,212 | 106,648 | 111,032 | 117,257 | 122,618 | 125,678 | 129,824 |
| S&E | 29,825 | 30,751 | 32,924 | 33,290 | 34,796 | 36,711 | 38,369 | 39,283 | 39,409 |
| Sciences | 26,748 | 27,732 | 29,861 | 30,406 | 31,814 | 33,637 | 35,157 | 36,098 | 36,223 |
| Agricultural sciences | 367 | 409 | 450 | 428 | 454 | 452 | 450 | 444 | 485 |
| Biological sciences | 4,124 | 4,553 | 4,739 | 4,693 | 4,634 | 4,878 | 5,038 | 5,051 | 5,362 |
| Computer sciences | 2,432 | 2,666 | 3,497 | 4,291 | 4,954 | 5,867 | 5,934 | 5,303 | 4,667 |
| Earth, atmospheric, and ocean sciences | 57 | 70 | 51 | 56 | 62 | 60 | 65 | 68 | 58 |
| Mathematical sciences | 1,016 | 966 | 905 | 808 | 843 | 790 | 784 | 855 | 847 |
| Physical sciences | 1,053 | 1,057 | 1,090 | 996 | 1,018 | 928 | 958 | 966 | 1,040 |
| Psychology | 6,647 | 6,852 | 7,572 | 7,562 | 7,747 | 8,011 | 8,479 | 9,130 | 9,075 |
| Social sciences | 11,052 | 11,159 | 11,557 | 11,572 | 12,102 | 12,651 | 13,449 | 14,281 | 14,689 |
| Engineering | 3,077 | 3,019 | 3,063 | 2,884 | 2,982 | 3,074 | 3,212 | 3,185 | 3,186 |
| Non-S&E | 62,242 | 65,127 | 71,288 | 73,358 | 76,236 | 80,546 | 84,249 | 86,395 | 90,415 |
| Historically black colleges and universities | | | | | | | | | |
| All fields | 25,215 | 25,546 | 25,558 | 25,142 | 25,166 | 26,075 | 26,518 | 26,443 | 26,613 |
| S&E | 8,814 | 8,830 | 8,530 | 8,682 | 8,607 | 8,720 | 8,909 | 8,765 | 8,598 |
| Sciences | 7,909 | 7,987 | 7,836 | 8,013 | 7,940 | 8,070 | 8,259 | 8,056 | 7,959 |
| Agricultural sciences | 202 | 210 | 213 | 198 | 229 | 218 | 189 | 183 | 218 |
| Biological sciences | 1,841 | 1,920 | 1,884 | 1,943 | 1,823 | 1,741 | 1,806 | 1,749 | 1,731 |
| Computer sciences | 834 | 904 | 987 | 1,220 | 1,274 | 1,487 | 1,563 | 1,409 | 1,182 |
| Earth, atmospheric, and ocean sciences | 6 | 23 | 5 | 7 | 4 | 7 | 8 | 11 | 6 |
| Mathematical sciences | 478 | 444 | 427 | 345 | 339 | 302 | 290 | 277 | 278 |
| Physical sciences | 497 | 462 | 491 | 464 | 427 | 374 | 378 | 360 | 367 |
| Psychology | 1,653 | 1,636 | 1,682 | 1,677 | 1,685 | 1,753 | 1,816 | 1,848 | 1,919 |
| Social sciences | 2,398 | 2,388 | 2,147 | 2,159 | 2,159 | 2,188 | 2,209 | 2,219 | 2,258 |
| Engineering | 905 | 843 | 694 | 669 | 667 | 650 | 650 | 709 | 639 |
| Non-S&E | 16,401 | 16,716 | 17,028 | 16,460 | 16,559 | 17,355 | 17,609 | 17,678 | 18,015 |
| | Percent from historically black colleges and universities | | | | | | | | |
| All fields | 27.4 | 26.6 | 24.5 | 23.6 | 22.7 | 22.2 | 21.6 | 21.0 | 20.5 |
| S&E | 29.6 | 28.7 | 25.9 | 26.1 | 24.7 | 23.8 | 23.2 | 22.3 | 21.8 |
| Sciences | 29.6 | 28.8 | 26.2 | 26.4 | 25.0 | 24.0 | 23.5 | 22.3 | 22.0 |
| Agricultural sciences | 55.0 | 51.3 | 47.3 | 46.3 | 50.4 | 48.2 | 42.0 | 41.2 | 44.9 |
| Biological sciences | 44.6 | 42.2 | 39.8 | 41.4 | 39.3 | 35.7 | 35.8 | 34.6 | 32.3 |
| Computer sciences | 34.3 | 33.9 | 28.2 | 28.4 | 25.7 | 25.3 | 26.3 | 26.6 | 25.3 |
| Earth, atmospheric, and ocean sciences | 10.5 | 32.9 | 9.8 | 12.5 | 6.5 | 11.7 | 12.3 | 16.2 | 10.3 |
| Mathematical sciences | 47.0 | 46.0 | 47.2 | 42.7 | 40.2 | 38.2 | 37.0 | 32.4 | 32.8 |
| Physical sciences | 47.2 | 43.7 | 45.0 | 46.6 | 41.9 | 40.3 | 39.5 | 37.3 | 35.3 |
| Psychology | 24.9 | 23.9 | 22.2 | 22.2 | 21.8 | 21.9 | 21.4 | 20.2 | 21.1 |
| Social sciences | 21.7 | 21.4 | 18.6 | 18.7 | 17.8 | 17.3 | 16.4 | 15.5 | 15.4 |
| Engineering | 29.4 | 27.9 | 22.7 | 23.2 | 22.4 | 21.1 | 20.2 | 22.3 | 20.1 |
| Non-S&E | 26.4 | 25.7 | 23.9 | 22.4 | 21.7 | 21.5 | 20.9 | 20.5 | 19.9 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-10. Bachelor's degrees awarded to U.S.-citizen and permanent-resident Hispanics, by institution type and field: 1997–2006

| Institution type and field | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--|--------|--------|--------|--------|---------|---------|---------|---------|
| | Number of recipients | | | | | | | | |
| All institutions | | | | | | | | | |
| All fields | 74,938 | 78,125 | 88,324 | 89,972 | 95,104 | 100,352 | 105,165 | 109,643 | 115,279 |
| S&E | 24,445 | 25,712 | 27,984 | 28,321 | 29,871 | 32,331 | 33,437 | 35,202 | 36,402 |
| Sciences | 20,320 | 21,587 | 23,909 | 24,305 | 25,735 | 27,974 | 28,967 | 30,588 | 31,514 |
| Agricultural sciences | 559 | 631 | 634 | 607 | 662 | 686 | 673 | 710 | 648 |
| Biological sciences | 3,795 | 4,283 | 4,446 | 4,547 | 4,367 | 4,840 | 4,601 | 4,814 | 5,074 |
| Computer sciences | 1,327 | 1,473 | 2,155 | 2,354 | 2,714 | 3,445 | 3,535 | 3,179 | 2,909 |
| Earth, atmospheric, and ocean sciences | 113 | 118 | 127 | 157 | 136 | 119 | 131 | 151 | 143 |
| Mathematical sciences | 560 | 604 | 599 | 625 | 672 | 669 | 676 | 815 | 871 |
| Physical sciences | 740 | 796 | 883 | 870 | 864 | 861 | 885 | 938 | 989 |
| Psychology | 5,282 | 5,509 | 6,127 | 6,178 | 6,692 | 6,807 | 7,252 | 7,654 | 8,143 |
| Social sciences | 7,944 | 8,173 | 8,938 | 8,967 | 9,628 | 10,547 | 11,214 | 12,327 | 12,737 |
| Engineering | 4,125 | 4,125 | 4,075 | 4,016 | 4,136 | 4,357 | 4,470 | 4,614 | 4,888 |
| Non-S&E | 50,493 | 52,413 | 60,340 | 61,651 | 65,233 | 68,021 | 71,728 | 74,441 | 78,877 |
| High-Hispanic-enrollment institutions | | | | | | | | | |
| All fields | 29,704 | 29,925 | 34,160 | 34,531 | 37,230 | 38,683 | 39,830 | 40,111 | 42,217 |
| S&E | 8,491 | 8,811 | 9,448 | 9,678 | 10,154 | 10,986 | 10,833 | 11,083 | 11,359 |
| Sciences | 6,724 | 7,153 | 7,861 | 8,030 | 8,463 | 9,212 | 9,056 | 9,202 | 9,399 |
| Agricultural sciences | 193 | 204 | 215 | 231 | 237 | 238 | 235 | 242 | 228 |
| Biological sciences | 1,601 | 1,820 | 1,981 | 2,018 | 1,965 | 2,165 | 1,832 | 1,789 | 1,900 |
| Computer sciences | 473 | 545 | 674 | 711 | 727 | 979 | 999 | 963 | 887 |
| Earth, atmospheric, and ocean sciences | 35 | 29 | 30 | 42 | 29 | 23 | 45 | 32 | 36 |
| Mathematical sciences | 218 | 203 | 219 | 208 | 251 | 225 | 215 | 252 | 268 |
| Physical sciences | 367 | 402 | 481 | 443 | 441 | 418 | 429 | 418 | 477 |
| Psychology | 1,703 | 1,808 | 2,021 | 2,081 | 2,302 | 2,387 | 2,484 | 2,494 | 2,597 |
| Social sciences | 2,134 | 2,142 | 2,240 | 2,296 | 2,511 | 2,777 | 2,817 | 3,012 | 3,006 |
| Engineering | 1,767 | 1,658 | 1,587 | 1,648 | 1,691 | 1,774 | 1,777 | 1,881 | 1,960 |
| Non-S&E | 21,213 | 21,114 | 24,712 | 24,853 | 27,076 | 27,697 | 28,997 | 29,028 | 30,858 |
| | Percent from high-Hispanic-enrollment institutions | | | | | | | | |
| All fields | 39.6 | 38.3 | 38.7 | 38.4 | 39.1 | 38.5 | 37.9 | 36.6 | 36.6 |
| S&E | 34.7 | 34.3 | 33.8 | 34.2 | 34.0 | 34.0 | 32.4 | 31.5 | 31.2 |
| Sciences | 33.1 | 33.1 | 32.9 | 33.0 | 32.9 | 32.9 | 31.3 | 30.1 | 29.8 |
| Agricultural sciences | 34.5 | 32.3 | 33.9 | 38.1 | 35.8 | 34.7 | 34.9 | 34.1 | 35.2 |
| Biological sciences | 42.2 | 42.5 | 44.6 | 44.4 | 45.0 | 44.7 | 39.8 | 37.2 | 37.4 |
| Computer sciences | 35.6 | 37.0 | 31.3 | 30.2 | 26.8 | 28.4 | 28.3 | 30.3 | 30.5 |
| Earth, atmospheric, and ocean sciences | 31.0 | 24.6 | 23.6 | 26.8 | 21.3 | 19.3 | 34.4 | 21.2 | 25.2 |
| Mathematical sciences | 38.9 | 33.6 | 36.6 | 33.3 | 37.4 | 33.6 | 31.8 | 30.9 | 30.8 |
| Physical sciences | 49.6 | 50.5 | 54.5 | 50.9 | 51.0 | 48.5 | 48.5 | 44.6 | 48.2 |
| Psychology | 32.2 | 32.8 | 33.0 | 33.7 | 34.4 | 35.1 | 34.3 | 32.6 | 31.9 |
| Social sciences | 26.9 | 26.2 | 25.1 | 25.6 | 26.1 | 26.3 | 25.1 | 24.4 | 23.6 |
| Engineering | 42.8 | 40.2 | 38.9 | 41.0 | 40.9 | 40.7 | 39.8 | 40.8 | 40.1 |
| Non-S&E | 42.0 | 40.3 | 41.0 | 40.3 | 41.5 | 40.7 | 40.4 | 39.0 | 39.1 |

NOTES: High-Hispanic-enrollment institutions are defined as those on the U.S. Department of Education's list of minority-serving institutions with high Hispanic enrollment in 2006. See <http://www.ed.gov/about/offices/list/ocr/edlite-minorityinst-list-hisp-tab.html>. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-11. Bachelor's degrees awarded by tribal colleges and universities to U.S.-citizen and permanent-resident American Indians/Alaska Natives, by field: 1997–2006

| Institution type and field | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|---|-------|-------|-------|-------|-------|-------|-------|--------|
| | Number of recipients | | | | | | | | |
| All institutions | | | | | | | | | |
| All fields | 7,238 | 7,706 | 8,431 | 8,664 | 8,668 | 9,242 | 9,914 | 9,556 | 10,046 |
| S&E | 2,298 | 2,392 | 2,611 | 2,796 | 2,642 | 2,892 | 3,231 | 3,167 | 3,286 |
| Sciences | 2,035 | 2,138 | 2,283 | 2,540 | 2,334 | 2,572 | 2,898 | 2,818 | 2,933 |
| Agricultural sciences | 146 | 151 | 190 | 215 | 158 | 163 | 187 | 160 | 185 |
| Biological sciences | 341 | 399 | 379 | 431 | 410 | 380 | 417 | 496 | 479 |
| Computer sciences | 99 | 112 | 172 | 271 | 229 | 263 | 416 | 249 | 228 |
| Earth, atmospheric, and ocean sciences | 31 | 25 | 43 | 35 | 26 | 24 | 31 | 25 | 36 |
| Mathematical sciences | 57 | 65 | 69 | 51 | 57 | 65 | 59 | 76 | 64 |
| Physical sciences | 69 | 81 | 65 | 73 | 83 | 94 | 76 | 103 | 102 |
| Psychology | 496 | 515 | 518 | 561 | 542 | 544 | 596 | 552 | 593 |
| Social sciences | 796 | 790 | 847 | 903 | 829 | 1,039 | 1,116 | 1,157 | 1,246 |
| Engineering | 263 | 254 | 328 | 256 | 308 | 320 | 333 | 349 | 353 |
| Non-S&E | 4,940 | 5,314 | 5,820 | 5,868 | 6,026 | 6,350 | 6,683 | 6,389 | 6,760 |
| Tribal colleges and universities | | | | | | | | | |
| All fields | 67 | 48 | 98 | 112 | 122 | 133 | 148 | 137 | 186 |
| S&E | 24 | 15 | 28 | 44 | 29 | 43 | 66 | 43 | 58 |
| Sciences | 24 | 15 | 28 | 44 | 29 | 43 | 66 | 43 | 58 |
| Agricultural sciences | 7 | 3 | 5 | 8 | 10 | 14 | 22 | 10 | 20 |
| Biological sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Computer sciences | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 2 |
| Earth, atmospheric, and ocean sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mathematical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Physical sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Psychology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Social sciences | 17 | 12 | 23 | 34 | 19 | 29 | 43 | 28 | 36 |
| Engineering | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Non-S&E | 43 | 33 | 70 | 68 | 93 | 90 | 82 | 94 | 128 |
| | Percent from tribal colleges and universities | | | | | | | | |
| All fields | 0.9 | 0.6 | 1.2 | 1.3 | 1.4 | 1.4 | 1.5 | 1.4 | 1.9 |
| S&E | 1.0 | 0.6 | 1.1 | 1.6 | 1.1 | 1.5 | 2.0 | 1.4 | 1.8 |
| Sciences | 1.2 | 0.7 | 1.2 | 1.7 | 1.2 | 1.7 | 2.3 | 1.5 | 2.0 |
| Agricultural sciences | 4.8 | 2.0 | 2.6 | 3.7 | 6.3 | 8.6 | 11.8 | 6.3 | 10.8 |
| Biological sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Computer sciences | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.2 | 2.0 | 0.9 |
| Earth, atmospheric, and ocean sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mathematical sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Physical sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Psychology | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Social sciences | 2.1 | 1.5 | 2.7 | 3.8 | 2.3 | 2.8 | 3.9 | 2.4 | 2.9 |
| Engineering | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Non-S&E | 0.9 | 0.6 | 1.2 | 1.2 | 1.5 | 1.4 | 1.2 | 1.5 | 1.9 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 661,307 | 673,865 | 716,963 | 721,625 | 751,773 | 783,866 | 810,817 | 828,938 | 851,824 |
| S&E | 187,011 | 190,397 | 200,953 | 202,583 | 211,203 | 222,389 | 229,939 | 235,197 | 239,273 |
| Sciences | 175,541 | 179,058 | 188,737 | 190,669 | 198,516 | 209,419 | 216,682 | 222,000 | 225,973 |
| Agricultural sciences | 7,267 | 7,743 | 8,464 | 8,491 | 8,634 | 8,959 | 8,714 | 8,731 | 8,907 |
| Biological sciences | 35,266 | 37,101 | 37,958 | 37,084 | 37,695 | 39,533 | 40,440 | 42,283 | 45,032 |
| Computer sciences | 6,903 | 7,439 | 10,474 | 11,900 | 13,504 | 15,190 | 14,406 | 11,235 | 8,852 |
| Earth, atmospheric, and ocean sciences | 1,542 | 1,599 | 1,617 | 1,622 | 1,702 | 1,651 | 1,647 | 1,660 | 1,646 |
| Atmospheric sciences | 83 | 104 | 114 | 132 | 151 | 176 | 203 | 241 | 219 |
| Earth sciences | 1,385 | 1,403 | 1,409 | 1,400 | 1,446 | 1,406 | 1,358 | 1,351 | 1,358 |
| Ocean sciences | 74 | 92 | 94 | 90 | 105 | 69 | 86 | 68 | 69 |
| Mathematics and statistics | 5,889 | 5,659 | 5,604 | 5,497 | 5,762 | 5,879 | 6,318 | 6,625 | 6,878 |
| Physical sciences | 5,882 | 5,994 | 5,990 | 5,911 | 5,982 | 5,884 | 6,002 | 6,420 | 6,957 |
| Astronomy | 46 | 58 | 54 | 95 | 116 | 110 | 123 | 143 | 131 |
| Chemistry | 4,883 | 4,973 | 4,907 | 4,775 | 4,729 | 4,682 | 4,755 | 5,146 | 5,637 |
| Physics | 652 | 666 | 724 | 756 | 826 | 840 | 908 | 903 | 946 |
| Other | 301 | 297 | 305 | 285 | 311 | 252 | 216 | 228 | 243 |
| Psychology | 55,243 | 55,400 | 57,114 | 57,467 | 59,926 | 61,499 | 64,208 | 66,833 | 68,351 |
| Social sciences | 57,549 | 58,123 | 61,516 | 62,697 | 65,311 | 70,824 | 74,947 | 78,213 | 79,350 |
| Anthropology | 4,313 | 4,480 | 4,742 | 4,706 | 4,926 | 5,229 | 5,280 | 5,379 | 5,606 |
| Area and ethnic studies | 3,256 | 3,441 | 3,572 | 3,657 | 3,808 | 3,690 | 4,080 | 4,266 | 4,512 |
| Economics | 5,448 | 5,791 | 6,384 | 6,924 | 7,389 | 8,096 | 8,281 | 8,141 | 7,661 |
| History of science | 17 | 18 | 52 | 56 | 63 | 54 | 73 | 64 | 67 |
| Linguistics | 393 | 483 | 498 | 512 | 612 | 626 | 717 | 729 | 754 |
| Political science and public administration | 17,854 | 17,320 | 18,347 | 18,637 | 19,743 | 22,466 | 24,288 | 26,325 | 26,961 |
| Sociology | 16,904 | 17,122 | 18,028 | 17,923 | 18,011 | 18,638 | 19,310 | 20,138 | 19,997 |
| Other | 9,364 | 9,468 | 9,893 | 10,282 | 10,759 | 12,025 | 12,918 | 13,171 | 13,792 |
| Engineering | 11,470 | 11,339 | 12,216 | 11,914 | 12,687 | 12,970 | 13,257 | 13,197 | 13,300 |
| Aerospace engineering | 202 | 197 | 238 | 304 | 312 | 384 | 413 | 404 | 501 |
| Chemical engineering | 2,276 | 2,196 | 2,203 | 2,055 | 2,123 | 2,013 | 1,833 | 1,776 | 1,678 |
| Civil engineering | 2,569 | 2,576 | 2,333 | 2,041 | 2,224 | 2,249 | 2,279 | 2,349 | 2,422 |
| Electrical engineering | 2,018 | 2,012 | 2,350 | 2,542 | 2,720 | 2,909 | 3,032 | 2,833 | 2,571 |
| Industrial engineering | 1,079 | 1,020 | 1,307 | 1,224 | 1,341 | 1,312 | 1,265 | 1,269 | 1,172 |
| Materials engineering | 259 | 235 | 268 | 263 | 285 | 276 | 270 | 282 | 269 |
| Mechanical engineering | 1,635 | 1,636 | 1,784 | 1,739 | 1,783 | 1,861 | 1,952 | 1,953 | 2,107 |
| Other | 1,432 | 1,467 | 1,733 | 1,746 | 1,899 | 1,966 | 2,213 | 2,331 | 2,580 |
| Non-S&E | 474,296 | 483,468 | 516,010 | 519,042 | 540,570 | 561,477 | 580,878 | 593,741 | 612,551 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 644,156 | 656,430 | 698,782 | 702,996 | 731,965 | 763,300 | 789,508 | 807,293 | 829,374 |
| S&E | 181,754 | 185,125 | 194,917 | 196,328 | 204,525 | 215,161 | 222,363 | 227,719 | 231,551 |
| Sciences | 170,960 | 174,414 | 183,507 | 185,191 | 192,590 | 202,968 | 210,015 | 215,481 | 219,280 |
| Agricultural sciences | 7,176 | 7,619 | 8,339 | 8,362 | 8,485 | 8,807 | 8,567 | 8,574 | 8,760 |
| Biological sciences | 34,473 | 36,358 | 37,129 | 36,227 | 36,776 | 38,598 | 39,429 | 41,039 | 43,702 |
| Computer sciences | 6,330 | 6,815 | 9,569 | 10,844 | 12,272 | 13,720 | 12,990 | 10,286 | 8,155 |
| Earth, atmospheric, and ocean sciences | 1,513 | 1,565 | 1,600 | 1,609 | 1,676 | 1,624 | 1,622 | 1,624 | 1,612 |
| Atmospheric sciences | 82 | 102 | 113 | 131 | 149 | 174 | 202 | 237 | 216 |
| Earth sciences | 1,360 | 1,372 | 1,393 | 1,388 | 1,425 | 1,382 | 1,335 | 1,323 | 1,332 |
| Ocean sciences | 71 | 91 | 94 | 90 | 102 | 68 | 85 | 64 | 64 |
| Mathematics and statistics | 5,676 | 5,492 | 5,429 | 5,337 | 5,586 | 5,652 | 6,021 | 6,317 | 6,556 |
| Physical sciences | 5,671 | 5,782 | 5,782 | 5,676 | 5,752 | 5,663 | 5,754 | 6,130 | 6,620 |
| Astronomy | 45 | 55 | 51 | 89 | 109 | 102 | 117 | 132 | 128 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemistry | 4,709 | 4,799 | 4,748 | 4,595 | 4,558 | 4,516 | 4,571 | 4,932 | 5,370 |
| Physics | 619 | 637 | 684 | 710 | 780 | 796 | 857 | 847 | 892 |
| Other | 298 | 291 | 299 | 282 | 305 | 249 | 209 | 219 | 230 |
| Psychology | 54,449 | 54,526 | 56,124 | 56,454 | 58,867 | 60,385 | 63,041 | 65,647 | 67,094 |
| Social sciences | 55,672 | 56,257 | 59,535 | 60,682 | 63,176 | 68,519 | 72,591 | 75,864 | 76,781 |
| Anthropology | 4,202 | 4,411 | 4,664 | 4,624 | 4,849 | 5,160 | 5,205 | 5,298 | 5,515 |
| Area and ethnic studies | 3,131 | 3,318 | 3,450 | 3,535 | 3,699 | 3,582 | 3,966 | 4,162 | 4,394 |
| Economics | 4,798 | 5,133 | 5,727 | 6,195 | 6,568 | 7,225 | 7,387 | 7,238 | 6,808 |
| History of science | 17 | 17 | 52 | 54 | 62 | 52 | 73 | 64 | 65 |
| Linguistics | 323 | 405 | 431 | 452 | 543 | 564 | 657 | 669 | 698 |
| Political science and public administration | 17,308 | 16,727 | 17,672 | 17,991 | 19,079 | 21,739 | 23,516 | 25,589 | 26,075 |
| Sociology | 16,702 | 16,915 | 17,817 | 17,728 | 17,804 | 18,384 | 19,084 | 19,906 | 19,720 |
| Other | 9,191 | 9,331 | 9,722 | 10,103 | 10,572 | 11,813 | 12,703 | 12,938 | 13,506 |
| Engineering | 10,794 | 10,711 | 11,410 | 11,137 | 11,935 | 12,193 | 12,348 | 12,238 | 12,271 |
| Aerospace engineering | 190 | 184 | 224 | 280 | 291 | 362 | 387 | 382 | 480 |
| Chemical engineering | 2,119 | 2,075 | 2,061 | 1,941 | 1,994 | 1,890 | 1,713 | 1,643 | 1,530 |
| Civil engineering | 2,477 | 2,497 | 2,236 | 1,951 | 2,143 | 2,179 | 2,190 | 2,263 | 2,325 |
| Electrical engineering | 1,803 | 1,819 | 2,067 | 2,271 | 2,433 | 2,604 | 2,679 | 2,461 | 2,207 |
| Industrial engineering | 1,000 | 926 | 1,192 | 1,109 | 1,235 | 1,213 | 1,165 | 1,151 | 1,038 |
| Materials engineering | 253 | 227 | 260 | 247 | 279 | 270 | 254 | 272 | 251 |
| Mechanical engineering | 1,574 | 1,582 | 1,707 | 1,675 | 1,731 | 1,793 | 1,883 | 1,886 | 2,027 |
| Other | 1,378 | 1,401 | 1,663 | 1,663 | 1,829 | 1,882 | 2,077 | 2,180 | 2,413 |
| Non-S&E | 462,402 | 471,305 | 503,865 | 506,668 | 527,440 | 548,139 | 567,145 | 579,574 | 597,823 |
| White | | | | | | | | | |
| All fields | 485,218 | 489,011 | 506,958 | 504,580 | 518,797 | 535,094 | 546,765 | 555,024 | 566,470 |
| S&E | 129,706 | 130,189 | 133,128 | 132,664 | 136,725 | 142,624 | 145,345 | 147,288 | 149,419 |
| Sciences | 122,651 | 123,267 | 125,846 | 125,607 | 129,289 | 134,977 | 137,775 | 139,948 | 141,966 |
| Agricultural sciences | 6,236 | 6,554 | 7,101 | 7,121 | 7,179 | 7,422 | 7,166 | 7,131 | 7,202 |
| Biological sciences | 23,970 | 24,977 | 25,228 | 24,286 | 24,716 | 25,632 | 25,893 | 26,483 | 27,956 |
| Computer sciences | 3,599 | 3,795 | 4,971 | 5,448 | 5,967 | 6,362 | 5,719 | 4,614 | 3,669 |
| Earth, atmospheric, and ocean sciences | 1,335 | 1,364 | 1,404 | 1,383 | 1,462 | 1,446 | 1,367 | 1,367 | 1,358 |
| Atmospheric sciences | 74 | 92 | 102 | 115 | 133 | 160 | 176 | 209 | 189 |
| Earth sciences | 1,200 | 1,191 | 1,224 | 1,188 | 1,251 | 1,223 | 1,119 | 1,106 | 1,114 |
| Ocean sciences | 61 | 81 | 78 | 80 | 78 | 63 | 72 | 52 | 55 |
| Mathematics and statistics | 4,387 | 4,164 | 4,049 | 3,928 | 4,068 | 4,121 | 4,392 | 4,581 | 4,679 |
| Physical sciences | 3,890 | 3,912 | 3,814 | 3,819 | 3,815 | 3,865 | 3,813 | 4,036 | 4,250 |
| Astronomy | 37 | 45 | 43 | 66 | 85 | 82 | 89 | 89 | 94 |
| Chemistry | 3,131 | 3,146 | 3,024 | 2,984 | 2,934 | 2,967 | 2,925 | 3,169 | 3,339 |
| Physics | 471 | 493 | 500 | 549 | 567 | 611 | 635 | 623 | 656 |
| Other | 251 | 228 | 247 | 220 | 229 | 205 | 164 | 155 | 161 |
| Psychology | 40,826 | 40,307 | 40,003 | 39,977 | 41,393 | 42,469 | 43,819 | 44,938 | 45,601 |
| Social sciences | 38,408 | 38,194 | 39,276 | 39,645 | 40,689 | 43,660 | 45,606 | 46,798 | 47,251 |
| Anthropology | 3,303 | 3,476 | 3,594 | 3,561 | 3,671 | 3,835 | 3,759 | 3,835 | 3,946 |
| Area and ethnic studies | 1,832 | 1,834 | 1,807 | 1,907 | 1,956 | 1,837 | 2,010 | 2,039 | 2,107 |
| Economics | 3,070 | 3,220 | 3,491 | 3,675 | 3,810 | 4,039 | 4,042 | 4,005 | 3,781 |
| History of science | 13 | 16 | 33 | 30 | 35 | 36 | 52 | 46 | 50 |
| Linguistics | 224 | 272 | 299 | 324 | 400 | 402 | 433 | 433 | 453 |
| Political science and public administration | 11,929 | 11,297 | 11,719 | 11,868 | 12,520 | 14,155 | 15,047 | 15,918 | 16,318 |
| Sociology | 11,350 | 11,328 | 11,607 | 11,315 | 11,172 | 11,462 | 11,888 | 12,025 | 11,717 |
| Other | 6,687 | 6,751 | 6,726 | 6,965 | 7,125 | 7,894 | 8,375 | 8,497 | 8,879 |
| Engineering | 7,055 | 6,922 | 7,282 | 7,057 | 7,436 | 7,647 | 7,570 | 7,340 | 7,453 |
| Aerospace engineering | 140 | 152 | 175 | 216 | 232 | 287 | 282 | 294 | 361 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemical engineering | 1,397 | 1,303 | 1,271 | 1,229 | 1,273 | 1,238 | 1,130 | 1,064 | 941 |
| Civil engineering | 1,810 | 1,802 | 1,620 | 1,402 | 1,527 | 1,540 | 1,552 | 1,524 | 1,596 |
| Electrical engineering | 878 | 880 | 981 | 1,006 | 1,011 | 1,092 | 1,046 | 948 | 847 |
| Industrial engineering | 601 | 568 | 731 | 693 | 727 | 749 | 706 | 651 | 622 |
| Materials engineering | 169 | 157 | 187 | 187 | 194 | 191 | 180 | 191 | 152 |
| Mechanical engineering | 1,081 | 1,084 | 1,186 | 1,161 | 1,218 | 1,293 | 1,301 | 1,253 | 1,397 |
| Other | 979 | 976 | 1,131 | 1,163 | 1,254 | 1,257 | 1,373 | 1,415 | 1,537 |
| Non-S&E | 355,512 | 358,822 | 373,830 | 371,916 | 382,072 | 392,470 | 401,420 | 407,736 | 417,051 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 35,626 | 37,400 | 40,697 | 41,291 | 43,410 | 45,273 | 47,635 | 50,134 | 52,784 |
| S&E | 14,942 | 15,828 | 16,981 | 17,423 | 18,104 | 18,954 | 20,012 | 20,961 | 21,900 |
| Sciences | 13,468 | 14,261 | 15,317 | 15,739 | 16,250 | 17,099 | 17,995 | 18,908 | 19,814 |
| Agricultural sciences | 229 | 251 | 274 | 256 | 250 | 282 | 266 | 295 | 337 |
| Biological sciences | 4,533 | 4,688 | 4,460 | 4,280 | 4,325 | 4,491 | 4,849 | 5,503 | 6,194 |
| Computer sciences | 849 | 892 | 1,741 | 2,046 | 2,352 | 2,542 | 2,275 | 1,588 | 1,046 |
| Earth, atmospheric, and ocean sciences | 49 | 47 | 45 | 43 | 48 | 29 | 41 | 44 | 43 |
| Atmospheric sciences | 4 | 1 | 4 | 6 | 4 | 4 | 5 | 7 | 2 |
| Earth sciences | 42 | 43 | 37 | 36 | 36 | 23 | 31 | 36 | 38 |
| Ocean sciences | 3 | 3 | 4 | 1 | 8 | 2 | 5 | 1 | 3 |
| Mathematics and statistics | 380 | 390 | 444 | 434 | 485 | 551 | 573 | 627 | 677 |
| Physical sciences | 690 | 726 | 679 | 657 | 595 | 554 | 601 | 693 | 838 |
| Astronomy | 4 | 3 | 4 | 10 | 12 | 5 | 10 | 9 | 14 |
| Chemistry | 621 | 673 | 609 | 590 | 514 | 487 | 526 | 614 | 754 |
| Physics | 59 | 38 | 56 | 46 | 54 | 54 | 53 | 53 | 53 |
| Other | 6 | 12 | 10 | 11 | 15 | 8 | 12 | 17 | 17 |
| Psychology | 2,862 | 3,044 | 3,150 | 3,106 | 3,124 | 2,988 | 3,296 | 3,605 | 3,942 |
| Social sciences | 3,876 | 4,223 | 4,524 | 4,917 | 5,071 | 5,662 | 6,094 | 6,553 | 6,737 |
| Anthropology | 244 | 289 | 237 | 239 | 253 | 288 | 290 | 320 | 375 |
| Area and ethnic studies | 378 | 449 | 487 | 490 | 473 | 421 | 498 | 573 | 587 |
| Economics | 876 | 1,010 | 1,174 | 1,355 | 1,427 | 1,697 | 1,746 | 1,664 | 1,587 |
| History of science | 2 | 1 | 5 | 10 | 14 | 8 | 6 | 5 | 6 |
| Linguistics | 49 | 70 | 50 | 53 | 57 | 65 | 77 | 85 | 82 |
| Political science and public administration | 1,117 | 1,169 | 1,220 | 1,338 | 1,407 | 1,595 | 1,678 | 1,881 | 1,986 |
| Sociology | 837 | 824 | 904 | 925 | 925 | 963 | 1,103 | 1,268 | 1,335 |
| Other | 373 | 411 | 447 | 507 | 515 | 625 | 696 | 757 | 779 |
| Engineering | 1,474 | 1,567 | 1,664 | 1,684 | 1,854 | 1,855 | 2,017 | 2,053 | 2,086 |
| Aerospace engineering | 16 | 10 | 16 | 22 | 24 | 21 | 43 | 35 | 44 |
| Chemical engineering | 326 | 344 | 352 | 298 | 313 | 261 | 233 | 224 | 230 |
| Civil engineering | 254 | 273 | 189 | 149 | 171 | 181 | 183 | 229 | 244 |
| Electrical engineering | 401 | 459 | 530 | 641 | 739 | 751 | 805 | 769 | 709 |
| Industrial engineering | 109 | 96 | 124 | 118 | 144 | 156 | 153 | 131 | 123 |
| Materials engineering | 29 | 38 | 41 | 31 | 34 | 30 | 28 | 38 | 56 |
| Mechanical engineering | 165 | 162 | 172 | 168 | 149 | 157 | 209 | 226 | 229 |
| Other | 174 | 185 | 240 | 257 | 280 | 298 | 363 | 401 | 451 |
| Non-S&E | 20,684 | 21,572 | 23,716 | 23,868 | 25,306 | 26,319 | 27,623 | 29,173 | 30,884 |
| Black | | | | | | | | | |
| All fields | 59,341 | 62,225 | 68,564 | 70,270 | 73,826 | 78,266 | 81,926 | 83,760 | 86,432 |
| S&E | 18,330 | 19,053 | 20,948 | 21,327 | 22,375 | 23,456 | 24,630 | 25,288 | 25,141 |
| Sciences | 17,273 | 18,011 | 19,858 | 20,301 | 21,284 | 22,400 | 23,534 | 24,214 | 24,162 |
| Agricultural sciences | 196 | 230 | 267 | 261 | 275 | 256 | 282 | 267 | 297 |
| Biological sciences | 2,820 | 3,105 | 3,359 | 3,367 | 3,358 | 3,586 | 3,721 | 3,756 | 3,969 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Computer sciences | 1,179 | 1,294 | 1,670 | 1,989 | 2,324 | 2,750 | 2,667 | 2,220 | 1,892 |
| Earth, atmospheric, and ocean sciences | 20 | 37 | 24 | 24 | 32 | 27 | 40 | 38 | 30 |
| Atmospheric sciences | 1 | 3 | 4 | 0 | 5 | 5 | 10 | 3 | 9 |
| Earth sciences | 15 | 32 | 19 | 23 | 20 | 21 | 29 | 33 | 21 |
| Ocean sciences | 4 | 2 | 1 | 1 | 7 | 1 | 1 | 2 | 0 |
| Mathematics and statistics | 533 | 504 | 471 | 451 | 470 | 416 | 447 | 439 | 427 |
| Physical sciences | 624 | 569 | 645 | 580 | 611 | 551 | 592 | 586 | 626 |
| Astronomy | 0 | 1 | 0 | 0 | 1 | 1 | 2 | 3 | 4 |
| Chemistry | 559 | 484 | 561 | 513 | 519 | 489 | 510 | 508 | 558 |
| Physics | 47 | 65 | 63 | 43 | 69 | 41 | 62 | 57 | 49 |
| Other | 18 | 19 | 21 | 24 | 22 | 20 | 18 | 18 | 15 |
| Psychology | 5,056 | 5,308 | 5,926 | 6,005 | 6,210 | 6,448 | 6,906 | 7,498 | 7,415 |
| Social sciences | 6,845 | 6,964 | 7,496 | 7,624 | 8,004 | 8,366 | 8,879 | 9,410 | 9,506 |
| Anthropology | 154 | 167 | 198 | 172 | 199 | 198 | 257 | 243 | 253 |
| Area and ethnic studies | 421 | 463 | 493 | 479 | 510 | 512 | 546 | 598 | 666 |
| Economics | 394 | 423 | 452 | 527 | 593 | 618 | 655 | 607 | 550 |
| History of science | 1 | 0 | 3 | 4 | 3 | 3 | 5 | 4 | 3 |
| Linguistics | 6 | 17 | 12 | 20 | 20 | 9 | 30 | 26 | 34 |
| Political science and public administration | 2,224 | 2,193 | 2,273 | 2,255 | 2,411 | 2,605 | 2,903 | 3,205 | 3,214 |
| Sociology | 2,647 | 2,719 | 2,916 | 3,033 | 3,018 | 3,072 | 3,045 | 3,292 | 3,362 |
| Other | 998 | 982 | 1,149 | 1,134 | 1,250 | 1,349 | 1,438 | 1,435 | 1,424 |
| Engineering | 1,057 | 1,042 | 1,090 | 1,026 | 1,091 | 1,056 | 1,096 | 1,074 | 979 |
| Aerospace engineering | 6 | 2 | 6 | 8 | 9 | 17 | 12 | 10 | 19 |
| Chemical engineering | 208 | 220 | 214 | 194 | 190 | 168 | 154 | 152 | 130 |
| Civil engineering | 128 | 147 | 147 | 114 | 126 | 111 | 133 | 141 | 104 |
| Electrical engineering | 290 | 265 | 296 | 323 | 322 | 355 | 374 | 352 | 280 |
| Industrial engineering | 123 | 106 | 126 | 117 | 141 | 128 | 123 | 141 | 126 |
| Materials engineering | 7 | 18 | 14 | 11 | 20 | 9 | 14 | 11 | 14 |
| Mechanical engineering | 183 | 150 | 151 | 134 | 154 | 123 | 138 | 126 | 132 |
| Other | 112 | 134 | 136 | 125 | 129 | 145 | 148 | 141 | 174 |
| Non-S&E | 41,011 | 43,172 | 47,616 | 48,943 | 51,451 | 54,810 | 57,296 | 58,472 | 61,291 |
| Hispanic | | | | | | | | | |
| All fields | 44,388 | 46,409 | 53,667 | 54,667 | 58,357 | 61,840 | 64,818 | 68,134 | 71,838 |
| S&E | 12,945 | 13,744 | 15,460 | 15,580 | 16,750 | 18,110 | 18,784 | 19,922 | 20,519 |
| Sciences | 12,016 | 12,798 | 14,472 | 14,618 | 15,695 | 17,050 | 17,676 | 18,767 | 19,353 |
| Agricultural sciences | 264 | 313 | 319 | 310 | 357 | 386 | 379 | 416 | 394 |
| Biological sciences | 2,196 | 2,460 | 2,710 | 2,791 | 2,748 | 3,117 | 3,015 | 3,150 | 3,247 |
| Computer sciences | 437 | 512 | 695 | 726 | 836 | 1,103 | 1,009 | 851 | 697 |
| Earth, atmospheric, and ocean sciences | 54 | 56 | 53 | 83 | 52 | 51 | 62 | 79 | 70 |
| Atmospheric sciences | 2 | 6 | 1 | 5 | 1 | 2 | 4 | 7 | 8 |
| Earth sciences | 50 | 47 | 45 | 71 | 44 | 48 | 54 | 67 | 61 |
| Ocean sciences | 2 | 3 | 7 | 7 | 7 | 1 | 4 | 5 | 1 |
| Mathematics and statistics | 234 | 286 | 273 | 295 | 332 | 297 | 308 | 347 | 391 |
| Physical sciences | 331 | 384 | 452 | 414 | 437 | 412 | 450 | 485 | 513 |
| Astronomy | 3 | 2 | 2 | 7 | 2 | 7 | 6 | 8 | 5 |
| Chemistry | 300 | 352 | 404 | 357 | 383 | 365 | 391 | 417 | 441 |
| Physics | 22 | 22 | 31 | 33 | 32 | 34 | 46 | 43 | 48 |
| Other | 6 | 8 | 15 | 17 | 20 | 6 | 7 | 17 | 19 |
| Psychology | 3,997 | 4,127 | 4,699 | 4,782 | 5,130 | 5,321 | 5,660 | 5,954 | 6,385 |
| Social sciences | 4,503 | 4,660 | 5,271 | 5,217 | 5,803 | 6,363 | 6,793 | 7,485 | 7,656 |
| Anthropology | 285 | 249 | 309 | 301 | 342 | 372 | 394 | 411 | 429 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Area and ethnic studies | 356 | 428 | 430 | 415 | 462 | 485 | 524 | 561 | 633 |
| Economics | 294 | 286 | 332 | 328 | 393 | 451 | 464 | 466 | 479 |
| History of science | 1 | 0 | 3 | 2 | 4 | 3 | 5 | 4 | 1 |
| Linguistics | 17 | 26 | 27 | 29 | 30 | 34 | 46 | 50 | 55 |
| Political science and public administration | 1,516 | 1,480 | 1,630 | 1,602 | 1,718 | 1,988 | 2,192 | 2,608 | 2,525 |
| Sociology | 1,316 | 1,443 | 1,639 | 1,632 | 1,789 | 1,872 | 1,948 | 2,106 | 2,134 |
| Other | 718 | 748 | 901 | 908 | 1,065 | 1,158 | 1,220 | 1,279 | 1,400 |
| Engineering | 929 | 946 | 988 | 962 | 1,055 | 1,060 | 1,108 | 1,155 | 1,166 |
| Aerospace engineering | 23 | 17 | 15 | 24 | 16 | 22 | 23 | 26 | 29 |
| Chemical engineering | 153 | 172 | 166 | 157 | 153 | 139 | 138 | 147 | 174 |
| Civil engineering | 213 | 212 | 198 | 198 | 217 | 229 | 233 | 252 | 255 |
| Electrical engineering | 179 | 166 | 198 | 206 | 247 | 244 | 293 | 240 | 246 |
| Industrial engineering | 142 | 143 | 185 | 157 | 183 | 144 | 150 | 181 | 144 |
| Materials engineering | 43 | 11 | 8 | 11 | 14 | 23 | 18 | 15 | 17 |
| Mechanical engineering | 105 | 152 | 131 | 139 | 138 | 156 | 144 | 180 | 164 |
| Other | 71 | 73 | 87 | 70 | 87 | 103 | 109 | 114 | 137 |
| Non-S&E | 31,443 | 32,665 | 38,207 | 39,087 | 41,607 | 43,730 | 46,034 | 48,212 | 51,319 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 4,323 | 4,627 | 5,074 | 5,141 | 5,253 | 5,636 | 5,957 | 5,728 | 6,222 |
| S&E | 1,255 | 1,270 | 1,445 | 1,478 | 1,465 | 1,634 | 1,760 | 1,746 | 1,880 |
| Sciences | 1,188 | 1,223 | 1,356 | 1,414 | 1,391 | 1,560 | 1,670 | 1,666 | 1,809 |
| Agricultural sciences | 70 | 68 | 90 | 97 | 69 | 91 | 89 | 82 | 103 |
| Biological sciences | 184 | 208 | 223 | 237 | 247 | 240 | 263 | 308 | 318 |
| Computer sciences | 28 | 36 | 59 | 78 | 85 | 82 | 93 | 78 | 66 |
| Earth, atmospheric, and ocean sciences | 16 | 13 | 21 | 16 | 9 | 8 | 20 | 14 | 15 |
| Atmospheric sciences | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| Earth sciences | 16 | 13 | 17 | 16 | 9 | 6 | 20 | 13 | 15 |
| Ocean sciences | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 0 |
| Mathematics and statistics | 28 | 27 | 38 | 23 | 28 | 35 | 22 | 28 | 31 |
| Physical sciences | 27 | 28 | 32 | 33 | 40 | 48 | 29 | 42 | 46 |
| Astronomy | 0 | 0 | 1 | 2 | 1 | 3 | 0 | 2 | 1 |
| Chemistry | 21 | 24 | 26 | 23 | 32 | 40 | 25 | 32 | 38 |
| Physics | 3 | 2 | 4 | 6 | 7 | 5 | 3 | 7 | 5 |
| Other | 3 | 2 | 1 | 2 | 0 | 0 | 1 | 1 | 2 |
| Psychology | 372 | 368 | 390 | 405 | 417 | 424 | 469 | 421 | 464 |
| Social sciences | 463 | 475 | 503 | 525 | 496 | 632 | 685 | 693 | 766 |
| Anthropology | 57 | 53 | 57 | 61 | 61 | 74 | 69 | 70 | 83 |
| Area and ethnic studies | 36 | 45 | 52 | 60 | 78 | 85 | 88 | 84 | 92 |
| Economics | 23 | 23 | 22 | 24 | 21 | 36 | 41 | 31 | 28 |
| History of science | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Linguistics | 3 | 5 | 9 | 1 | 2 | 4 | 2 | 8 | 6 |
| Political science and public administration | 135 | 124 | 123 | 121 | 121 | 155 | 201 | 166 | 215 |
| Sociology | 139 | 133 | 153 | 159 | 137 | 180 | 168 | 191 | 199 |
| Other | 70 | 92 | 87 | 99 | 76 | 98 | 116 | 143 | 143 |
| Engineering | 67 | 47 | 89 | 64 | 74 | 74 | 90 | 80 | 71 |
| Aerospace engineering | 1 | 1 | 1 | 1 | 2 | 1 | 7 | 4 | 5 |
| Chemical engineering | 8 | 6 | 12 | 9 | 12 | 9 | 11 | 14 | 7 |
| Civil engineering | 24 | 14 | 26 | 26 | 18 | 23 | 17 | 19 | 21 |
| Electrical engineering | 7 | 5 | 13 | 8 | 10 | 21 | 20 | 11 | 5 |
| Industrial engineering | 8 | 2 | 8 | 4 | 5 | 4 | 9 | 9 | 2 |
| Materials engineering | 1 | 2 | 1 | 1 | 2 | 0 | 2 | 1 | 3 |
| Mechanical engineering | 9 | 7 | 12 | 12 | 17 | 7 | 12 | 14 | 14 |
| Other | 9 | 10 | 16 | 3 | 8 | 9 | 12 | 8 | 14 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Non-S&E | 3,068 | 3,357 | 3,629 | 3,663 | 3,788 | 4,002 | 4,197 | 3,982 | 4,342 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 15,260 | 16,758 | 23,822 | 27,047 | 32,322 | 37,191 | 42,407 | 44,513 | 45,628 |
| S&E | 4,576 | 5,041 | 6,955 | 7,856 | 9,106 | 10,383 | 11,832 | 12,514 | 12,692 |
| Sciences | 4,364 | 4,854 | 6,658 | 7,512 | 8,681 | 9,882 | 11,365 | 11,978 | 12,176 |
| Agricultural sciences | 181 | 203 | 288 | 317 | 355 | 370 | 385 | 383 | 427 |
| Biological sciences | 770 | 920 | 1,149 | 1,266 | 1,382 | 1,532 | 1,688 | 1,839 | 2,018 |
| Computer sciences | 238 | 286 | 433 | 557 | 708 | 881 | 1,227 | 935 | 785 |
| Earth, atmospheric, and ocean sciences | 39 | 48 | 53 | 60 | 73 | 63 | 92 | 82 | 96 |
| Atmospheric sciences | 1 | 0 | 1 | 5 | 6 | 1 | 7 | 11 | 8 |
| Earth sciences | 37 | 46 | 51 | 54 | 65 | 61 | 82 | 68 | 83 |
| Ocean sciences | 1 | 2 | 1 | 1 | 2 | 1 | 3 | 3 | 5 |
| Mathematics and statistics | 114 | 121 | 154 | 206 | 203 | 232 | 279 | 295 | 351 |
| Physical sciences | 109 | 163 | 160 | 173 | 254 | 233 | 269 | 288 | 347 |
| Astronomy | 1 | 4 | 1 | 4 | 8 | 4 | 10 | 21 | 10 |
| Chemistry | 77 | 120 | 124 | 128 | 176 | 168 | 194 | 192 | 240 |
| Physics | 17 | 17 | 30 | 33 | 51 | 51 | 58 | 64 | 81 |
| Other | 14 | 22 | 5 | 8 | 19 | 10 | 7 | 11 | 16 |
| Psychology | 1,336 | 1,372 | 1,956 | 2,179 | 2,593 | 2,735 | 2,891 | 3,231 | 3,287 |
| Social sciences | 1,577 | 1,741 | 2,465 | 2,754 | 3,113 | 3,836 | 4,534 | 4,925 | 4,865 |
| Anthropology | 159 | 177 | 269 | 290 | 323 | 393 | 436 | 419 | 429 |
| Area and ethnic studies | 108 | 99 | 181 | 184 | 220 | 242 | 300 | 307 | 309 |
| Economics | 141 | 171 | 256 | 286 | 324 | 384 | 439 | 465 | 383 |
| History of science | 0 | 0 | 8 | 8 | 6 | 2 | 5 | 5 | 5 |
| Linguistics | 24 | 15 | 34 | 25 | 34 | 50 | 69 | 67 | 68 |
| Political science and public administration | 387 | 464 | 707 | 807 | 902 | 1,241 | 1,495 | 1,811 | 1,817 |
| Sociology | 413 | 468 | 598 | 664 | 763 | 835 | 932 | 1,024 | 973 |
| Other | 345 | 347 | 412 | 490 | 541 | 689 | 858 | 827 | 881 |
| Engineering | 212 | 187 | 297 | 344 | 425 | 501 | 467 | 536 | 516 |
| Aerospace engineering | 4 | 2 | 11 | 9 | 8 | 14 | 20 | 13 | 22 |
| Chemical engineering | 27 | 30 | 46 | 54 | 53 | 75 | 47 | 42 | 48 |
| Civil engineering | 48 | 49 | 56 | 62 | 84 | 95 | 72 | 98 | 105 |
| Electrical engineering | 48 | 44 | 49 | 87 | 104 | 141 | 141 | 141 | 120 |
| Industrial engineering | 17 | 11 | 18 | 20 | 35 | 32 | 24 | 38 | 21 |
| Materials engineering | 4 | 1 | 9 | 6 | 15 | 17 | 12 | 16 | 9 |
| Mechanical engineering | 31 | 27 | 55 | 61 | 55 | 57 | 79 | 87 | 91 |
| Other | 33 | 23 | 53 | 45 | 71 | 70 | 72 | 101 | 100 |
| Non-S&E | 10,684 | 11,717 | 16,867 | 19,191 | 23,216 | 26,808 | 30,575 | 31,999 | 32,936 |
| Temporary resident | | | | | | | | | |
| All fields | 17,151 | 17,435 | 18,181 | 18,629 | 19,808 | 20,566 | 21,309 | 21,645 | 22,450 |
| S&E | 5,257 | 5,272 | 6,036 | 6,255 | 6,678 | 7,228 | 7,576 | 7,478 | 7,722 |
| Sciences | 4,581 | 4,644 | 5,230 | 5,478 | 5,926 | 6,451 | 6,667 | 6,519 | 6,693 |
| Agricultural sciences | 91 | 124 | 125 | 129 | 149 | 152 | 147 | 157 | 147 |
| Biological sciences | 793 | 743 | 829 | 857 | 919 | 935 | 1,011 | 1,244 | 1,330 |
| Computer sciences | 573 | 624 | 905 | 1,056 | 1,232 | 1,470 | 1,416 | 949 | 697 |
| Earth, atmospheric, and ocean sciences | 29 | 34 | 17 | 13 | 26 | 27 | 25 | 36 | 34 |
| Atmospheric sciences | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 4 | 3 |
| Earth sciences | 25 | 31 | 16 | 12 | 21 | 24 | 23 | 28 | 26 |
| Ocean sciences | 3 | 1 | 0 | 0 | 3 | 1 | 1 | 4 | 5 |
| Mathematics and statistics | 213 | 167 | 175 | 160 | 176 | 227 | 297 | 308 | 322 |

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physical sciences | 211 | 212 | 208 | 235 | 230 | 221 | 248 | 290 | 337 |
| Astronomy | 1 | 3 | 3 | 6 | 7 | 8 | 6 | 11 | 3 |
| Chemistry | 174 | 174 | 159 | 180 | 171 | 166 | 184 | 214 | 267 |
| Physics | 33 | 29 | 40 | 46 | 46 | 44 | 51 | 56 | 54 |
| Other | 3 | 6 | 6 | 3 | 6 | 3 | 7 | 9 | 13 |
| Psychology | 794 | 874 | 990 | 1,013 | 1,059 | 1,114 | 1,167 | 1,186 | 1,257 |
| Social sciences | 1,877 | 1,866 | 1,981 | 2,015 | 2,135 | 2,305 | 2,356 | 2,349 | 2,569 |
| Anthropology | 111 | 69 | 78 | 82 | 77 | 69 | 75 | 81 | 91 |
| Area and ethnic studies | 125 | 123 | 122 | 122 | 109 | 108 | 114 | 104 | 118 |
| Economics | 650 | 658 | 657 | 729 | 821 | 871 | 894 | 903 | 853 |
| History of science | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 0 | 2 |
| Linguistics | 70 | 78 | 67 | 60 | 69 | 62 | 60 | 60 | 56 |
| Political science and public administration | 546 | 593 | 675 | 646 | 664 | 727 | 772 | 736 | 886 |
| Sociology | 202 | 207 | 211 | 195 | 207 | 254 | 226 | 232 | 277 |
| Other | 173 | 137 | 171 | 179 | 187 | 212 | 215 | 233 | 286 |
| Engineering | 676 | 628 | 806 | 777 | 752 | 777 | 909 | 959 | 1,029 |
| Aerospace engineering | 12 | 13 | 14 | 24 | 21 | 22 | 26 | 22 | 21 |
| Chemical engineering | 157 | 121 | 142 | 114 | 129 | 123 | 120 | 133 | 148 |
| Civil engineering | 92 | 79 | 97 | 90 | 81 | 70 | 89 | 86 | 97 |
| Electrical engineering | 215 | 193 | 283 | 271 | 287 | 305 | 353 | 372 | 364 |
| Industrial engineering | 79 | 94 | 115 | 115 | 106 | 99 | 100 | 118 | 134 |
| Materials engineering | 6 | 8 | 8 | 16 | 6 | 6 | 16 | 10 | 18 |
| Mechanical engineering | 61 | 54 | 77 | 64 | 52 | 68 | 69 | 67 | 80 |
| Other | 54 | 66 | 70 | 83 | 70 | 84 | 136 | 151 | 167 |
| Non-S&E | 11,894 | 12,163 | 12,145 | 12,374 | 13,130 | 13,338 | 13,733 | 14,167 | 14,728 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 525,282 | 525,714 | 536,158 | 536,023 | 553,957 | 575,977 | 596,192 | 608,262 | 621,911 |
| S&E | 201,471 | 200,221 | 197,669 | 197,623 | 204,408 | 218,698 | 225,909 | 230,806 | 234,260 |
| Sciences | 150,589 | 150,646 | 150,349 | 150,279 | 156,456 | 167,895 | 174,491 | 177,870 | 179,439 |
| Agricultural sciences | 10,094 | 10,224 | 9,780 | 8,976 | 8,726 | 8,734 | 8,327 | 8,380 | 8,393 |
| Biological sciences | 29,873 | 30,011 | 26,946 | 25,005 | 24,073 | 24,049 | 24,322 | 25,699 | 27,906 |
| Computer sciences | 18,490 | 20,235 | 26,914 | 31,284 | 35,631 | 41,139 | 42,999 | 39,329 | 34,425 |
| Earth, atmospheric, and ocean sciences | 2,924 | 2,722 | 2,430 | 2,346 | 2,282 | 2,298 | 2,256 | 2,299 | 2,352 |
| Atmospheric sciences | 348 | 339 | 376 | 324 | 374 | 386 | 369 | 436 | 443 |
| Earth sciences | 2,445 | 2,262 | 1,950 | 1,934 | 1,788 | 1,846 | 1,812 | 1,795 | 1,873 |
| Ocean sciences | 131 | 121 | 104 | 88 | 120 | 66 | 75 | 68 | 36 |
| Mathematics and statistics | 6,834 | 6,435 | 6,131 | 5,958 | 6,511 | 7,003 | 7,437 | 8,215 | 8,433 |
| Physical sciences | 9,382 | 9,279 | 8,590 | 8,252 | 8,034 | 8,238 | 8,238 | 8,610 | 9,448 |
| Astronomy | 94 | 110 | 106 | 145 | 160 | 161 | 169 | 188 | 235 |
| Chemistry | 6,043 | 5,900 | 5,483 | 5,047 | 4,719 | 4,650 | 4,550 | 4,791 | 5,254 |
| Physics | 2,741 | 2,789 | 2,638 | 2,701 | 2,825 | 3,082 | 3,248 | 3,307 | 3,631 |
| Other | 504 | 480 | 363 | 359 | 330 | 345 | 271 | 324 | 328 |
| Psychology | 19,491 | 19,057 | 17,540 | 16,701 | 17,397 | 17,616 | 18,302 | 19,103 | 19,934 |
| Social sciences | 53,501 | 52,683 | 52,018 | 51,757 | 53,802 | 58,818 | 62,610 | 66,235 | 68,548 |
| Anthropology | 2,446 | 2,414 | 2,315 | 2,192 | 2,272 | 2,313 | 2,349 | 2,360 | 2,494 |
| Area and ethnic studies | 2,001 | 2,000 | 2,045 | 1,904 | 2,036 | 2,055 | 2,162 | 2,345 | 2,463 |
| Economics | 12,253 | 12,453 | 13,016 | 13,453 | 14,438 | 15,775 | 16,652 | 17,023 | 17,042 |
| History of science | 14 | 21 | 40 | 45 | 40 | 49 | 67 | 53 | 46 |
| Linguistics | 184 | 197 | 229 | 245 | 249 | 294 | 330 | 324 | 447 |
| Political science and public administration | 19,953 | 19,334 | 18,092 | 18,014 | 18,830 | 21,269 | 23,065 | 25,092 | 26,436 |
| Sociology | 7,846 | 7,762 | 7,657 | 7,440 | 7,307 | 7,553 | 7,720 | 8,438 | 8,552 |
| Other | 8,804 | 8,502 | 8,624 | 8,464 | 8,630 | 9,510 | 10,265 | 10,600 | 11,068 |
| Engineering | 50,882 | 49,575 | 47,320 | 47,344 | 47,952 | 50,803 | 51,418 | 52,936 | 54,821 |
| Aerospace engineering | 1,088 | 1,050 | 1,029 | 1,194 | 1,435 | 1,633 | 1,905 | 1,980 | 2,252 |
| Chemical engineering | 4,701 | 4,525 | 4,016 | 4,033 | 3,823 | 3,532 | 3,352 | 3,113 | 3,179 |
| Civil engineering | 9,441 | 8,946 | 7,263 | 6,908 | 6,667 | 7,118 | 7,120 | 7,448 | 8,241 |
| Electrical engineering | 14,416 | 14,310 | 15,322 | 15,829 | 16,257 | 17,820 | 18,310 | 18,579 | 17,280 |
| Industrial engineering | 2,918 | 2,968 | 2,630 | 2,594 | 2,635 | 2,627 | 2,542 | 2,669 | 2,708 |
| Materials engineering | 804 | 772 | 704 | 667 | 648 | 674 | 595 | 624 | 737 |
| Mechanical engineering | 12,171 | 11,727 | 11,325 | 11,421 | 11,594 | 12,183 | 12,416 | 12,955 | 14,068 |
| Other | 5,343 | 5,277 | 5,031 | 4,698 | 4,893 | 5,216 | 5,178 | 5,568 | 6,356 |
| Non-S&E | 323,811 | 325,493 | 338,489 | 338,400 | 349,549 | 357,279 | 370,283 | 377,456 | 387,651 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 503,659 | 504,262 | 515,544 | 515,173 | 532,641 | 553,720 | 573,326 | 585,459 | 599,269 |
| S&E | 191,991 | 190,784 | 188,521 | 188,164 | 194,763 | 208,197 | 214,865 | 219,840 | 223,890 |
| Sciences | 145,230 | 145,224 | 144,928 | 144,462 | 150,326 | 160,892 | 167,085 | 170,682 | 172,752 |
| Agricultural sciences | 9,932 | 10,055 | 9,647 | 8,857 | 8,613 | 8,616 | 8,225 | 8,263 | 8,274 |
| Biological sciences | 29,204 | 29,331 | 26,399 | 24,425 | 23,535 | 23,447 | 23,680 | 24,977 | 27,117 |
| Computer sciences | 17,048 | 18,722 | 24,933 | 28,948 | 32,975 | 37,923 | 39,554 | 36,402 | 32,178 |
| Earth, atmospheric, and ocean sciences | 2,875 | 2,674 | 2,401 | 2,310 | 2,249 | 2,268 | 2,231 | 2,255 | 2,310 |
| Atmospheric sciences | 338 | 337 | 369 | 323 | 370 | 380 | 367 | 430 | 441 |
| Earth sciences | 2,410 | 2,218 | 1,933 | 1,900 | 1,760 | 1,822 | 1,790 | 1,758 | 1,834 |
| Ocean sciences | 127 | 119 | 99 | 87 | 119 | 66 | 74 | 67 | 35 |
| Mathematics and statistics | 6,514 | 6,149 | 5,827 | 5,692 | 6,233 | 6,608 | 7,052 | 7,762 | 7,946 |
| Physical sciences | 9,000 | 8,898 | 8,266 | 7,929 | 7,719 | 7,936 | 7,895 | 8,230 | 9,021 |
| Astronomy | 87 | 102 | 105 | 138 | 151 | 154 | 165 | 179 | 225 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemistry | 5,821 | 5,689 | 5,298 | 4,892 | 4,547 | 4,490 | 4,384 | 4,607 | 5,055 |
| Physics | 2,598 | 2,640 | 2,518 | 2,565 | 2,704 | 2,958 | 3,110 | 3,162 | 3,442 |
| Other | 494 | 467 | 345 | 334 | 317 | 334 | 236 | 282 | 299 |
| Psychology | 19,236 | 18,761 | 17,266 | 16,431 | 17,089 | 17,336 | 17,998 | 18,785 | 19,614 |
| Social sciences | 51,421 | 50,634 | 50,189 | 49,870 | 51,913 | 56,758 | 60,450 | 64,008 | 66,292 |
| Anthropology | 2,384 | 2,381 | 2,277 | 2,154 | 2,235 | 2,288 | 2,318 | 2,326 | 2,462 |
| Area and ethnic studies | 1,928 | 1,946 | 1,989 | 1,859 | 1,985 | 2,003 | 2,112 | 2,286 | 2,406 |
| Economics | 11,079 | 11,328 | 11,982 | 12,358 | 13,355 | 14,598 | 15,376 | 15,726 | 15,759 |
| History of science | 14 | 21 | 39 | 44 | 39 | 48 | 67 | 52 | 45 |
| Linguistics | 168 | 175 | 213 | 228 | 237 | 276 | 316 | 307 | 429 |
| Political science and public administration | 19,447 | 18,748 | 17,613 | 17,513 | 18,332 | 20,712 | 22,530 | 24,562 | 25,848 |
| Sociology | 7,749 | 7,660 | 7,569 | 7,377 | 7,219 | 7,458 | 7,620 | 8,341 | 8,439 |
| Other | 8,652 | 8,375 | 8,507 | 8,337 | 8,511 | 9,375 | 10,111 | 10,408 | 10,904 |
| Engineering | 46,761 | 45,560 | 43,593 | 43,702 | 44,437 | 47,305 | 47,780 | 49,158 | 51,138 |
| Aerospace engineering | 971 | 926 | 922 | 1,070 | 1,334 | 1,495 | 1,757 | 1,831 | 2,126 |
| Chemical engineering | 4,287 | 4,139 | 3,713 | 3,723 | 3,505 | 3,296 | 3,104 | 2,835 | 2,891 |
| Civil engineering | 9,059 | 8,515 | 6,901 | 6,586 | 6,377 | 6,839 | 6,894 | 7,208 | 7,996 |
| Electrical engineering | 12,761 | 12,666 | 13,769 | 14,258 | 14,675 | 16,073 | 16,390 | 16,632 | 15,468 |
| Industrial engineering | 2,517 | 2,576 | 2,264 | 2,234 | 2,299 | 2,324 | 2,261 | 2,392 | 2,413 |
| Materials engineering | 782 | 747 | 675 | 641 | 625 | 649 | 582 | 594 | 709 |
| Mechanical engineering | 11,324 | 10,984 | 10,613 | 10,741 | 10,963 | 11,655 | 11,871 | 12,375 | 13,498 |
| Other | 5,060 | 5,007 | 4,736 | 4,449 | 4,659 | 4,974 | 4,921 | 5,291 | 6,037 |
| Non-S&E | 311,668 | 313,478 | 327,023 | 327,009 | 337,878 | 345,523 | 358,461 | 365,619 | 375,379 |
| White | | | | | | | | | |
| All fields | 392,541 | 389,007 | 388,171 | 383,832 | 394,159 | 405,401 | 416,122 | 422,255 | 430,003 |
| S&E | 145,094 | 142,372 | 137,288 | 135,184 | 139,654 | 147,682 | 151,231 | 153,884 | 156,772 |
| Sciences | 110,483 | 108,720 | 105,503 | 103,474 | 107,367 | 113,504 | 116,944 | 119,016 | 120,729 |
| Agricultural sciences | 9,010 | 9,062 | 8,554 | 7,829 | 7,550 | 7,503 | 7,187 | 7,216 | 7,185 |
| Biological sciences | 21,417 | 20,935 | 18,679 | 17,039 | 16,572 | 16,317 | 16,567 | 17,291 | 18,516 |
| Computer sciences | 12,247 | 13,274 | 16,748 | 19,043 | 21,539 | 24,096 | 24,638 | 23,001 | 20,816 |
| Earth, atmospheric, and ocean sciences | 2,651 | 2,439 | 2,157 | 2,053 | 1,988 | 1,996 | 1,971 | 1,999 | 2,010 |
| Atmospheric sciences | 316 | 324 | 335 | 280 | 334 | 333 | 332 | 388 | 394 |
| Earth sciences | 2,229 | 2,016 | 1,735 | 1,700 | 1,555 | 1,614 | 1,572 | 1,557 | 1,589 |
| Ocean sciences | 106 | 99 | 87 | 73 | 99 | 49 | 67 | 54 | 27 |
| Mathematics and statistics | 5,045 | 4,739 | 4,346 | 4,245 | 4,688 | 4,855 | 5,247 | 5,590 | 5,786 |
| Physical sciences | 7,044 | 6,851 | 6,282 | 5,993 | 5,886 | 6,069 | 6,020 | 6,260 | 6,775 |
| Astronomy | 75 | 82 | 88 | 119 | 119 | 130 | 131 | 145 | 175 |
| Chemistry | 4,406 | 4,224 | 3,876 | 3,521 | 3,334 | 3,314 | 3,228 | 3,426 | 3,685 |
| Physics | 2,152 | 2,159 | 2,043 | 2,076 | 2,175 | 2,359 | 2,493 | 2,478 | 2,686 |
| Other | 411 | 386 | 275 | 277 | 258 | 266 | 168 | 211 | 229 |
| Psychology | 14,520 | 13,918 | 12,394 | 11,585 | 11,931 | 12,207 | 12,696 | 13,105 | 13,680 |
| Social sciences | 38,549 | 37,502 | 36,343 | 35,687 | 37,213 | 40,461 | 42,618 | 44,554 | 45,961 |
| Anthropology | 1,922 | 1,907 | 1,784 | 1,661 | 1,709 | 1,757 | 1,737 | 1,748 | 1,838 |
| Area and ethnic studies | 1,194 | 1,153 | 1,136 | 1,031 | 1,120 | 1,111 | 1,168 | 1,200 | 1,267 |
| Economics | 8,367 | 8,379 | 8,611 | 8,744 | 9,564 | 10,263 | 10,620 | 10,718 | 10,647 |
| History of science | 11 | 17 | 25 | 27 | 25 | 32 | 48 | 40 | 33 |
| Linguistics | 135 | 125 | 151 | 175 | 185 | 201 | 219 | 204 | 318 |
| Political science and public administration | 14,841 | 14,327 | 13,257 | 13,095 | 13,642 | 15,392 | 16,634 | 17,920 | 18,659 |
| Sociology | 5,311 | 5,122 | 4,954 | 4,790 | 4,666 | 4,813 | 4,793 | 5,222 | 5,256 |
| Other | 6,768 | 6,472 | 6,425 | 6,164 | 6,302 | 6,892 | 7,399 | 7,502 | 7,943 |
| Engineering | 34,611 | 33,652 | 31,785 | 31,710 | 32,287 | 34,178 | 34,287 | 34,868 | 36,043 |
| Aerospace engineering | 729 | 725 | 724 | 842 | 1,047 | 1,160 | 1,347 | 1,429 | 1,644 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemical engineering | 3,234 | 3,102 | 2,791 | 2,832 | 2,703 | 2,508 | 2,353 | 2,139 | 2,145 |
| Civil engineering | 7,130 | 6,679 | 5,383 | 5,213 | 5,097 | 5,492 | 5,459 | 5,670 | 6,172 |
| Electrical engineering | 8,415 | 8,294 | 8,734 | 8,885 | 8,964 | 9,865 | 9,888 | 9,908 | 9,156 |
| Industrial engineering | 1,670 | 1,765 | 1,654 | 1,637 | 1,701 | 1,643 | 1,646 | 1,705 | 1,684 |
| Materials engineering | 644 | 603 | 554 | 521 | 518 | 510 | 434 | 442 | 519 |
| Mechanical engineering | 8,838 | 8,572 | 8,281 | 8,380 | 8,658 | 9,223 | 9,455 | 9,708 | 10,452 |
| Other | 3,951 | 3,912 | 3,664 | 3,400 | 3,599 | 3,777 | 3,705 | 3,867 | 4,271 |
| Non-S&E | 247,447 | 246,635 | 250,883 | 248,648 | 254,505 | 257,719 | 264,891 | 268,371 | 273,231 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 31,732 | 32,588 | 34,568 | 34,205 | 35,739 | 37,776 | 38,395 | 40,428 | 42,314 |
| S&E | 17,626 | 18,176 | 18,572 | 18,975 | 19,348 | 20,784 | 21,166 | 22,069 | 22,306 |
| Sciences | 12,015 | 12,741 | 13,382 | 13,634 | 14,081 | 15,227 | 15,558 | 15,914 | 15,849 |
| Agricultural sciences | 167 | 188 | 180 | 143 | 161 | 177 | 149 | 151 | 205 |
| Biological sciences | 4,008 | 4,181 | 3,565 | 3,213 | 2,884 | 2,908 | 2,937 | 3,329 | 3,886 |
| Computer sciences | 1,954 | 2,328 | 3,660 | 4,280 | 4,855 | 5,531 | 5,187 | 4,487 | 3,386 |
| Earth, atmospheric, and ocean sciences | 46 | 45 | 53 | 43 | 37 | 44 | 44 | 42 | 51 |
| Atmospheric sciences | 3 | 4 | 10 | 8 | 4 | 5 | 6 | 8 | 12 |
| Earth sciences | 35 | 33 | 40 | 28 | 29 | 35 | 34 | 33 | 37 |
| Ocean sciences | 8 | 8 | 3 | 7 | 4 | 4 | 4 | 1 | 2 |
| Mathematics and statistics | 472 | 444 | 447 | 482 | 515 | 602 | 671 | 793 | 769 |
| Physical sciences | 835 | 858 | 783 | 687 | 622 | 589 | 628 | 623 | 781 |
| Astronomy | 3 | 9 | 5 | 2 | 12 | 11 | 8 | 12 | 23 |
| Chemistry | 659 | 664 | 599 | 536 | 464 | 406 | 434 | 410 | 514 |
| Physics | 145 | 170 | 162 | 138 | 130 | 150 | 170 | 183 | 228 |
| Other | 28 | 15 | 17 | 11 | 16 | 22 | 16 | 18 | 16 |
| Psychology | 1,205 | 1,223 | 1,038 | 1,044 | 1,117 | 1,072 | 1,049 | 1,194 | 1,357 |
| Social sciences | 3,328 | 3,474 | 3,656 | 3,742 | 3,890 | 4,304 | 4,893 | 5,295 | 5,414 |
| Anthropology | 119 | 115 | 103 | 93 | 124 | 108 | 108 | 104 | 121 |
| Area and ethnic studies | 196 | 227 | 250 | 224 | 213 | 250 | 260 | 302 | 292 |
| Economics | 1,278 | 1,420 | 1,600 | 1,727 | 1,808 | 2,011 | 2,261 | 2,339 | 2,325 |
| History of science | 2 | 2 | 7 | 5 | 6 | 8 | 8 | 6 | 3 |
| Linguistics | 13 | 15 | 22 | 16 | 16 | 19 | 28 | 27 | 30 |
| Political science and public administration | 983 | 972 | 857 | 890 | 918 | 1,050 | 1,222 | 1,385 | 1,494 |
| Sociology | 391 | 388 | 420 | 375 | 400 | 409 | 493 | 585 | 572 |
| Other | 346 | 335 | 397 | 412 | 405 | 449 | 513 | 547 | 577 |
| Engineering | 5,611 | 5,435 | 5,190 | 5,341 | 5,267 | 5,557 | 5,608 | 6,155 | 6,457 |
| Aerospace engineering | 102 | 86 | 82 | 81 | 104 | 124 | 143 | 149 | 179 |
| Chemical engineering | 548 | 553 | 436 | 404 | 323 | 302 | 294 | 262 | 328 |
| Civil engineering | 763 | 636 | 457 | 372 | 311 | 319 | 310 | 356 | 526 |
| Electrical engineering | 2,262 | 2,298 | 2,613 | 2,881 | 3,035 | 3,215 | 3,278 | 3,521 | 3,127 |
| Industrial engineering | 328 | 273 | 208 | 201 | 212 | 230 | 223 | 221 | 239 |
| Materials engineering | 55 | 81 | 50 | 57 | 51 | 61 | 67 | 63 | 110 |
| Mechanical engineering | 970 | 966 | 830 | 830 | 743 | 782 | 719 | 856 | 1,019 |
| Other | 583 | 542 | 514 | 515 | 488 | 524 | 574 | 727 | 929 |
| Non-S&E | 14,106 | 14,412 | 15,996 | 15,230 | 16,391 | 16,992 | 17,229 | 18,359 | 20,008 |
| Black | | | | | | | | | |
| All fields | 32,726 | 33,653 | 35,648 | 36,378 | 37,206 | 38,991 | 40,692 | 41,918 | 43,392 |
| S&E | 11,495 | 11,698 | 11,976 | 11,963 | 12,421 | 13,255 | 13,739 | 13,995 | 14,268 |
| Sciences | 9,475 | 9,721 | 10,003 | 10,105 | 10,530 | 11,237 | 11,623 | 11,884 | 12,061 |
| Agricultural sciences | 171 | 179 | 183 | 167 | 179 | 196 | 168 | 177 | 188 |
| Biological sciences | 1,304 | 1,448 | 1,380 | 1,326 | 1,276 | 1,292 | 1,317 | 1,295 | 1,393 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Computer sciences | 1,253 | 1,372 | 1,827 | 2,302 | 2,630 | 3,117 | 3,267 | 3,083 | 2,775 |
| Earth, atmospheric, and ocean sciences | 37 | 33 | 27 | 32 | 30 | 33 | 25 | 30 | 28 |
| Atmospheric sciences | 7 | 4 | 6 | 2 | 5 | 7 | 10 | 5 | 5 |
| Earth sciences | 26 | 28 | 21 | 29 | 22 | 22 | 14 | 21 | 22 |
| Ocean sciences | 4 | 1 | 0 | 1 | 3 | 4 | 1 | 4 | 1 |
| Mathematics and statistics | 483 | 462 | 434 | 357 | 373 | 374 | 337 | 416 | 420 |
| Physical sciences | 429 | 488 | 445 | 416 | 407 | 377 | 366 | 380 | 414 |
| Astronomy | 0 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 5 |
| Chemistry | 302 | 340 | 327 | 314 | 277 | 255 | 246 | 253 | 269 |
| Physics | 101 | 114 | 89 | 90 | 113 | 106 | 104 | 109 | 122 |
| Other | 26 | 33 | 28 | 10 | 15 | 16 | 15 | 17 | 18 |
| Psychology | 1,591 | 1,544 | 1,646 | 1,557 | 1,537 | 1,563 | 1,573 | 1,632 | 1,660 |
| Social sciences | 4,207 | 4,195 | 4,061 | 3,948 | 4,098 | 4,285 | 4,570 | 4,871 | 5,183 |
| Anthropology | 66 | 67 | 70 | 70 | 54 | 60 | 81 | 77 | 84 |
| Area and ethnic studies | 232 | 229 | 245 | 212 | 274 | 237 | 259 | 307 | 345 |
| Economics | 531 | 556 | 592 | 562 | 628 | 708 | 754 | 770 | 829 |
| History of science | 1 | 0 | 3 | 2 | 1 | 3 | 3 | 1 | 1 |
| Linguistics | 2 | 4 | 2 | 4 | 5 | 8 | 2 | 7 | 10 |
| Political science and public administration | 1,537 | 1,445 | 1,329 | 1,299 | 1,326 | 1,443 | 1,520 | 1,639 | 1,845 |
| Sociology | 1,204 | 1,225 | 1,181 | 1,167 | 1,150 | 1,142 | 1,182 | 1,250 | 1,263 |
| Other | 634 | 669 | 639 | 632 | 660 | 684 | 769 | 820 | 806 |
| Engineering | 2,020 | 1,977 | 1,973 | 1,858 | 1,891 | 2,018 | 2,116 | 2,111 | 2,207 |
| Aerospace engineering | 44 | 33 | 34 | 31 | 34 | 48 | 58 | 61 | 66 |
| Chemical engineering | 165 | 165 | 169 | 179 | 156 | 149 | 149 | 121 | 101 |
| Civil engineering | 275 | 254 | 256 | 215 | 191 | 181 | 187 | 201 | 220 |
| Electrical engineering | 777 | 782 | 753 | 759 | 781 | 929 | 1,019 | 959 | 977 |
| Industrial engineering | 122 | 156 | 130 | 120 | 115 | 146 | 128 | 155 | 145 |
| Materials engineering | 13 | 14 | 10 | 16 | 12 | 13 | 8 | 8 | 14 |
| Mechanical engineering | 459 | 398 | 443 | 381 | 407 | 348 | 366 | 411 | 437 |
| Other | 165 | 175 | 178 | 157 | 195 | 204 | 201 | 195 | 247 |
| Non-S&E | 21,231 | 21,955 | 23,672 | 24,415 | 24,785 | 25,736 | 26,953 | 27,923 | 29,124 |
| Hispanic | | | | | | | | | |
| All fields | 30,550 | 31,716 | 34,657 | 35,305 | 36,747 | 38,512 | 40,347 | 41,509 | 43,441 |
| S&E | 11,500 | 11,968 | 12,524 | 12,741 | 13,121 | 14,221 | 14,653 | 15,280 | 15,883 |
| Sciences | 8,304 | 8,789 | 9,437 | 9,687 | 10,040 | 10,924 | 11,291 | 11,821 | 12,161 |
| Agricultural sciences | 295 | 318 | 315 | 297 | 305 | 300 | 294 | 294 | 254 |
| Biological sciences | 1,599 | 1,823 | 1,736 | 1,756 | 1,619 | 1,723 | 1,586 | 1,664 | 1,827 |
| Computer sciences | 890 | 961 | 1,460 | 1,628 | 1,878 | 2,342 | 2,526 | 2,328 | 2,212 |
| Earth, atmospheric, and ocean sciences | 59 | 62 | 74 | 74 | 84 | 68 | 69 | 72 | 73 |
| Atmospheric sciences | 6 | 2 | 8 | 10 | 9 | 8 | 9 | 13 | 12 |
| Earth sciences | 50 | 51 | 60 | 59 | 65 | 55 | 58 | 54 | 59 |
| Ocean sciences | 3 | 9 | 6 | 5 | 10 | 5 | 2 | 5 | 2 |
| Mathematics and statistics | 326 | 318 | 326 | 330 | 340 | 372 | 368 | 468 | 480 |
| Physical sciences | 409 | 412 | 431 | 456 | 427 | 449 | 435 | 453 | 476 |
| Astronomy | 1 | 9 | 5 | 9 | 8 | 5 | 17 | 9 | 7 |
| Chemistry | 293 | 288 | 315 | 312 | 283 | 304 | 260 | 287 | 298 |
| Physics | 97 | 95 | 94 | 118 | 125 | 130 | 141 | 140 | 158 |
| Other | 18 | 20 | 17 | 17 | 11 | 10 | 17 | 17 | 13 |
| Psychology | 1,285 | 1,382 | 1,428 | 1,396 | 1,562 | 1,486 | 1,592 | 1,700 | 1,758 |
| Social sciences | 3,441 | 3,513 | 3,667 | 3,750 | 3,825 | 4,184 | 4,421 | 4,842 | 5,081 |
| Anthropology | 160 | 148 | 153 | 164 | 152 | 161 | 174 | 167 | 178 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Area and ethnic studies | 214 | 250 | 229 | 233 | 226 | 232 | 232 | 266 | 293 |
| Economics | 535 | 565 | 644 | 702 | 675 | 737 | 825 | 886 | 942 |
| History of science | 0 | 2 | 0 | 3 | 3 | 1 | 2 | 2 | 4 |
| Linguistics | 7 | 13 | 15 | 16 | 9 | 14 | 25 | 18 | 25 |
| Political science and public administration | 1,396 | 1,348 | 1,345 | 1,323 | 1,417 | 1,580 | 1,665 | 1,954 | 1,972 |
| Sociology | 592 | 638 | 678 | 659 | 651 | 683 | 717 | 768 | 835 |
| Other | 537 | 549 | 603 | 650 | 692 | 776 | 781 | 781 | 832 |
| Engineering | 3,196 | 3,179 | 3,087 | 3,054 | 3,081 | 3,297 | 3,362 | 3,459 | 3,722 |
| Aerospace engineering | 70 | 61 | 52 | 68 | 81 | 88 | 98 | 113 | 124 |
| Chemical engineering | 226 | 221 | 214 | 184 | 200 | 181 | 175 | 186 | 171 |
| Civil engineering | 661 | 708 | 564 | 544 | 544 | 569 | 603 | 636 | 697 |
| Electrical engineering | 944 | 904 | 1,085 | 1,096 | 1,164 | 1,184 | 1,258 | 1,281 | 1,282 |
| Industrial engineering | 309 | 307 | 206 | 199 | 189 | 220 | 182 | 183 | 244 |
| Materials engineering | 46 | 31 | 30 | 23 | 19 | 27 | 34 | 44 | 41 |
| Mechanical engineering | 727 | 714 | 715 | 741 | 681 | 794 | 791 | 782 | 885 |
| Other | 213 | 233 | 221 | 199 | 203 | 234 | 221 | 234 | 278 |
| Non-S&E | 19,050 | 19,748 | 22,133 | 22,564 | 23,626 | 24,291 | 25,694 | 26,229 | 27,558 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 2,915 | 3,079 | 3,357 | 3,523 | 3,415 | 3,606 | 3,957 | 3,828 | 3,824 |
| S&E | 1,043 | 1,122 | 1,166 | 1,318 | 1,177 | 1,258 | 1,471 | 1,421 | 1,406 |
| Sciences | 847 | 915 | 927 | 1,126 | 943 | 1,012 | 1,228 | 1,152 | 1,124 |
| Agricultural sciences | 76 | 83 | 100 | 118 | 89 | 72 | 98 | 78 | 82 |
| Biological sciences | 157 | 191 | 156 | 194 | 163 | 140 | 154 | 188 | 161 |
| Computer sciences | 71 | 76 | 113 | 193 | 144 | 181 | 323 | 171 | 162 |
| Earth, atmospheric, and ocean sciences | 15 | 12 | 22 | 19 | 17 | 16 | 11 | 11 | 21 |
| Atmospheric sciences | 1 | 0 | 3 | 5 | 1 | 2 | 1 | 1 | 1 |
| Earth sciences | 10 | 12 | 18 | 13 | 14 | 12 | 10 | 10 | 20 |
| Ocean sciences | 4 | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 |
| Mathematics and statistics | 29 | 38 | 31 | 28 | 29 | 30 | 37 | 48 | 33 |
| Physical sciences | 42 | 53 | 33 | 40 | 43 | 46 | 47 | 61 | 56 |
| Astronomy | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 |
| Chemistry | 33 | 40 | 23 | 24 | 25 | 31 | 25 | 33 | 35 |
| Physics | 8 | 12 | 8 | 13 | 14 | 12 | 17 | 26 | 19 |
| Other | 1 | 1 | 1 | 3 | 3 | 2 | 4 | 1 | 2 |
| Psychology | 124 | 147 | 128 | 156 | 125 | 120 | 127 | 131 | 129 |
| Social sciences | 333 | 315 | 344 | 378 | 333 | 407 | 431 | 464 | 480 |
| Anthropology | 29 | 27 | 32 | 32 | 24 | 37 | 34 | 28 | 31 |
| Area and ethnic studies | 26 | 30 | 28 | 46 | 43 | 43 | 57 | 50 | 35 |
| Economics | 45 | 46 | 49 | 44 | 44 | 59 | 67 | 64 | 76 |
| History of science | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Linguistics | 2 | 5 | 1 | 1 | 0 | 5 | 2 | 4 | 1 |
| Political science and public administration | 118 | 91 | 108 | 113 | 120 | 131 | 151 | 176 | 180 |
| Sociology | 53 | 64 | 67 | 66 | 47 | 64 | 60 | 68 | 72 |
| Other | 60 | 52 | 58 | 76 | 55 | 68 | 60 | 74 | 85 |
| Engineering | 196 | 207 | 239 | 192 | 234 | 246 | 243 | 269 | 282 |
| Aerospace engineering | 2 | 9 | 6 | 7 | 15 | 9 | 16 | 12 | 9 |
| Chemical engineering | 21 | 25 | 30 | 22 | 21 | 25 | 18 | 16 | 20 |
| Civil engineering | 47 | 48 | 58 | 39 | 49 | 44 | 47 | 54 | 52 |
| Electrical engineering | 43 | 48 | 68 | 48 | 60 | 78 | 68 | 73 | 64 |
| Industrial engineering | 11 | 13 | 15 | 13 | 16 | 8 | 6 | 18 | 15 |
| Materials engineering | 5 | 1 | 4 | 3 | 4 | 3 | 4 | 4 | 5 |
| Mechanical engineering | 36 | 40 | 41 | 39 | 44 | 51 | 61 | 58 | 77 |
| Other | 31 | 23 | 17 | 21 | 25 | 28 | 23 | 34 | 40 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Non-S&E | 1,872 | 1,957 | 2,191 | 2,205 | 2,238 | 2,348 | 2,486 | 2,407 | 2,418 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 13,195 | 14,219 | 19,143 | 21,930 | 25,375 | 29,434 | 33,813 | 35,521 | 36,295 |
| S&E | 5,233 | 5,448 | 6,995 | 7,983 | 9,042 | 10,997 | 12,605 | 13,191 | 13,255 |
| Sciences | 4,106 | 4,338 | 5,676 | 6,436 | 7,365 | 8,988 | 10,441 | 10,895 | 10,828 |
| Agricultural sciences | 213 | 225 | 315 | 303 | 329 | 368 | 329 | 347 | 360 |
| Biological sciences | 719 | 753 | 883 | 897 | 1,021 | 1,067 | 1,119 | 1,210 | 1,334 |
| Computer sciences | 633 | 711 | 1,125 | 1,502 | 1,929 | 2,656 | 3,613 | 3,332 | 2,827 |
| Earth, atmospheric, and ocean sciences | 67 | 83 | 68 | 89 | 93 | 111 | 111 | 101 | 127 |
| Atmospheric sciences | 5 | 3 | 7 | 18 | 17 | 25 | 9 | 15 | 17 |
| Earth sciences | 60 | 78 | 59 | 71 | 75 | 84 | 102 | 83 | 107 |
| Ocean sciences | 2 | 2 | 2 | 0 | 1 | 2 | 0 | 3 | 3 |
| Mathematics and statistics | 159 | 148 | 243 | 250 | 288 | 375 | 392 | 447 | 458 |
| Physical sciences | 241 | 236 | 292 | 337 | 334 | 406 | 399 | 453 | 519 |
| Astronomy | 8 | 1 | 5 | 6 | 9 | 7 | 7 | 11 | 15 |
| Chemistry | 128 | 133 | 158 | 185 | 164 | 180 | 191 | 198 | 254 |
| Physics | 95 | 90 | 122 | 130 | 147 | 201 | 185 | 226 | 229 |
| Other | 10 | 12 | 7 | 16 | 14 | 18 | 16 | 18 | 21 |
| Psychology | 511 | 547 | 632 | 693 | 817 | 888 | 961 | 1,023 | 1,030 |
| Social sciences | 1,563 | 1,635 | 2,118 | 2,365 | 2,554 | 3,117 | 3,517 | 3,982 | 4,173 |
| Anthropology | 88 | 117 | 135 | 134 | 172 | 165 | 184 | 202 | 210 |
| Area and ethnic studies | 66 | 57 | 101 | 113 | 109 | 130 | 136 | 161 | 174 |
| Economics | 323 | 362 | 486 | 579 | 636 | 820 | 849 | 949 | 940 |
| History of science | 0 | 0 | 3 | 7 | 4 | 4 | 6 | 3 | 4 |
| Linguistics | 9 | 13 | 22 | 16 | 22 | 29 | 40 | 47 | 45 |
| Political science and public administration | 572 | 565 | 717 | 793 | 909 | 1,116 | 1,338 | 1,488 | 1,698 |
| Sociology | 198 | 223 | 269 | 320 | 305 | 347 | 375 | 448 | 441 |
| Other | 307 | 298 | 385 | 403 | 397 | 506 | 589 | 684 | 661 |
| Engineering | 1,127 | 1,110 | 1,319 | 1,547 | 1,677 | 2,009 | 2,164 | 2,296 | 2,427 |
| Aerospace engineering | 24 | 12 | 24 | 41 | 53 | 66 | 95 | 67 | 104 |
| Chemical engineering | 93 | 73 | 73 | 102 | 102 | 131 | 115 | 111 | 126 |
| Civil engineering | 183 | 190 | 183 | 203 | 185 | 234 | 288 | 291 | 329 |
| Electrical engineering | 320 | 340 | 516 | 589 | 671 | 802 | 879 | 890 | 862 |
| Industrial engineering | 77 | 62 | 51 | 64 | 66 | 77 | 76 | 110 | 86 |
| Materials engineering | 19 | 17 | 27 | 21 | 21 | 35 | 35 | 33 | 20 |
| Mechanical engineering | 294 | 294 | 303 | 370 | 430 | 457 | 479 | 560 | 628 |
| Other | 117 | 122 | 142 | 157 | 149 | 207 | 197 | 234 | 272 |
| Non-S&E | 7,962 | 8,771 | 12,148 | 13,947 | 16,333 | 18,437 | 21,208 | 22,330 | 23,040 |
| Temporary resident | | | | | | | | | |
| All fields | 21,623 | 21,452 | 20,614 | 20,850 | 21,316 | 22,257 | 22,866 | 22,803 | 22,642 |
| S&E | 9,480 | 9,437 | 9,148 | 9,459 | 9,645 | 10,501 | 11,044 | 10,966 | 10,370 |
| Sciences | 5,359 | 5,422 | 5,421 | 5,817 | 6,130 | 7,003 | 7,406 | 7,188 | 6,687 |
| Agricultural sciences | 162 | 169 | 133 | 119 | 113 | 118 | 102 | 117 | 119 |
| Biological sciences | 669 | 680 | 547 | 580 | 538 | 602 | 642 | 722 | 789 |
| Computer sciences | 1,442 | 1,513 | 1,981 | 2,336 | 2,656 | 3,216 | 3,445 | 2,927 | 2,247 |
| Earth, atmospheric, and ocean sciences | 49 | 48 | 29 | 36 | 33 | 30 | 25 | 44 | 42 |
| Atmospheric sciences | 10 | 2 | 7 | 1 | 4 | 6 | 2 | 6 | 2 |
| Earth sciences | 35 | 44 | 17 | 34 | 28 | 24 | 22 | 37 | 39 |
| Ocean sciences | 4 | 2 | 5 | 1 | 1 | 0 | 1 | 1 | 1 |
| Mathematics and statistics | 320 | 286 | 304 | 266 | 278 | 395 | 385 | 453 | 487 |

TABLE C-13. Bachelor's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physical sciences | 382 | 381 | 324 | 323 | 315 | 302 | 343 | 380 | 427 |
| Astronomy | 7 | 8 | 1 | 7 | 9 | 7 | 4 | 9 | 10 |
| Chemistry | 222 | 211 | 185 | 155 | 172 | 160 | 166 | 184 | 199 |
| Physics | 143 | 149 | 120 | 136 | 121 | 124 | 138 | 145 | 189 |
| Other | 10 | 13 | 18 | 25 | 13 | 11 | 35 | 42 | 29 |
| Psychology | 255 | 296 | 274 | 270 | 308 | 280 | 304 | 318 | 320 |
| Social sciences | 2,080 | 2,049 | 1,829 | 1,887 | 1,889 | 2,060 | 2,160 | 2,227 | 2,256 |
| Anthropology | 62 | 33 | 38 | 38 | 37 | 25 | 31 | 34 | 32 |
| Area and ethnic studies | 73 | 54 | 56 | 45 | 51 | 52 | 50 | 59 | 57 |
| Economics | 1,174 | 1,125 | 1,034 | 1,095 | 1,083 | 1,177 | 1,276 | 1,297 | 1,283 |
| History of science | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| Linguistics | 16 | 22 | 16 | 17 | 12 | 18 | 14 | 17 | 18 |
| Political science and public administration | 506 | 586 | 479 | 501 | 498 | 557 | 535 | 530 | 588 |
| Sociology | 97 | 102 | 88 | 63 | 88 | 95 | 100 | 97 | 113 |
| Other | 152 | 127 | 117 | 127 | 119 | 135 | 154 | 192 | 164 |
| Engineering | 4,121 | 4,015 | 3,727 | 3,642 | 3,515 | 3,498 | 3,638 | 3,778 | 3,683 |
| Aerospace engineering | 117 | 124 | 107 | 124 | 101 | 138 | 148 | 149 | 126 |
| Chemical engineering | 414 | 386 | 303 | 310 | 318 | 236 | 248 | 278 | 288 |
| Civil engineering | 382 | 431 | 362 | 322 | 290 | 279 | 226 | 240 | 245 |
| Electrical engineering | 1,655 | 1,644 | 1,553 | 1,571 | 1,582 | 1,747 | 1,920 | 1,947 | 1,812 |
| Industrial engineering | 401 | 392 | 366 | 360 | 336 | 303 | 281 | 277 | 295 |
| Materials engineering | 22 | 25 | 29 | 26 | 23 | 25 | 13 | 30 | 28 |
| Mechanical engineering | 847 | 743 | 712 | 680 | 631 | 528 | 545 | 580 | 570 |
| Other | 283 | 270 | 295 | 249 | 234 | 242 | 257 | 277 | 319 |
| Non-S&E | 12,143 | 12,015 | 11,466 | 11,391 | 11,671 | 11,756 | 11,822 | 11,837 | 12,272 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE C-14. Bachelor's degrees, by race/ethnicity, citizenship, sex, and field: 2006

| Race/ethnicity, citizenship, and sex | Sciences | | | | | | | | | | | | |
|--------------------------------------|------------|---------|--|-----------------------|---------------------|-------------------|----------------------------|-------------------|------------|-----------------|-------------|--------|-----------|
| | All fields | S&E | Earth, atmospheric, and ocean sciences | | | | | | | | | | Non-S&E |
| | | | All sciences | Agricultural sciences | Biological sciences | Computer sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | | |
| Number of recipients | | | | | | | | | | | | | |
| All recipients | 1,473,735 | 473,533 | 405,412 | 17,300 | 72,938 | 43,277 | 3,998 | 15,311 | 16,405 | 88,285 | 147,898 | 68,121 | 1,000,202 |
| White | 996,473 | 306,191 | 262,695 | 14,387 | 46,472 | 24,485 | 3,368 | 10,465 | 11,025 | 59,281 | 93,212 | 43,496 | 690,282 |
| Asian/Pacific Islander | 95,098 | 44,206 | 35,663 | 542 | 10,080 | 4,432 | 94 | 1,446 | 1,619 | 5,299 | 12,151 | 8,543 | 50,892 |
| Black | 129,824 | 39,409 | 36,223 | 485 | 5,362 | 4,667 | 58 | 847 | 1,040 | 9,075 | 14,689 | 3,186 | 90,415 |
| Hispanic | 115,279 | 36,402 | 31,514 | 648 | 5,074 | 2,909 | 143 | 871 | 989 | 8,143 | 12,737 | 4,888 | 78,877 |
| American Indian/Alaska Native | 10,046 | 3,286 | 2,933 | 185 | 479 | 228 | 36 | 64 | 102 | 593 | 1,246 | 353 | 6,760 |
| Other or unknown race/ethnicity | 81,923 | 25,947 | 23,004 | 787 | 3,352 | 3,612 | 223 | 809 | 866 | 4,317 | 9,038 | 2,943 | 55,976 |
| Temporary resident | 45,092 | 18,092 | 13,380 | 266 | 2,119 | 2,944 | 76 | 809 | 764 | 1,577 | 4,825 | 4,712 | 27,000 |
| Female | 851,824 | 239,273 | 225,973 | 8,907 | 45,032 | 8,852 | 1,646 | 6,878 | 6,957 | 68,351 | 79,350 | 13,300 | 612,551 |
| White | 566,470 | 149,419 | 141,966 | 7,202 | 27,956 | 3,669 | 1,358 | 4,679 | 4,250 | 45,601 | 47,251 | 7,453 | 417,051 |
| Asian/Pacific Islander | 52,784 | 21,900 | 19,814 | 337 | 6,194 | 1,046 | 43 | 677 | 838 | 3,942 | 6,737 | 2,086 | 30,884 |
| Black | 86,432 | 25,141 | 24,162 | 297 | 3,969 | 1,892 | 30 | 427 | 626 | 7,415 | 9,506 | 979 | 61,291 |
| Hispanic | 71,838 | 20,519 | 19,353 | 394 | 3,247 | 697 | 70 | 391 | 513 | 6,385 | 7,656 | 1,166 | 51,319 |
| American Indian/Alaska Native | 6,222 | 1,880 | 1,809 | 103 | 318 | 66 | 15 | 31 | 46 | 464 | 766 | 71 | 4,342 |
| Other or unknown race/ethnicity | 45,628 | 12,692 | 12,176 | 427 | 2,018 | 785 | 96 | 351 | 347 | 3,287 | 4,865 | 516 | 32,936 |
| Temporary resident | 22,450 | 7,722 | 6,693 | 147 | 1,330 | 697 | 34 | 322 | 337 | 1,257 | 2,569 | 1,029 | 14,728 |
| Male | 621,911 | 234,260 | 179,439 | 8,393 | 27,906 | 34,425 | 2,352 | 8,433 | 9,448 | 19,934 | 68,548 | 54,821 | 387,651 |
| White | 430,003 | 156,772 | 120,729 | 7,185 | 18,516 | 20,816 | 2,010 | 5,786 | 6,775 | 13,680 | 45,961 | 36,043 | 273,231 |
| Asian/Pacific Islander | 42,314 | 22,306 | 15,849 | 205 | 3,886 | 3,386 | 51 | 769 | 781 | 1,357 | 5,414 | 6,457 | 20,008 |
| Black | 43,392 | 14,268 | 12,061 | 188 | 1,393 | 2,775 | 28 | 420 | 414 | 1,660 | 5,183 | 2,207 | 29,124 |
| Hispanic | 43,441 | 15,883 | 12,161 | 254 | 1,827 | 2,212 | 73 | 480 | 476 | 1,758 | 5,081 | 3,722 | 27,558 |
| American Indian/Alaska Native | 3,824 | 1,406 | 1,124 | 82 | 161 | 162 | 21 | 33 | 56 | 129 | 480 | 282 | 2,418 |
| Other or unknown race/ethnicity | 36,295 | 13,255 | 10,828 | 360 | 1,334 | 2,827 | 127 | 458 | 519 | 1,030 | 4,173 | 2,427 | 23,040 |
| Temporary resident | 22,642 | 10,370 | 6,687 | 119 | 789 | 2,247 | 42 | 487 | 427 | 320 | 2,256 | 3,683 | 12,272 |
| Percent female | | | | | | | | | | | | | |
| All recipients | 57.8 | 50.5 | 55.7 | 51.5 | 61.7 | 20.5 | 41.2 | 44.9 | 42.4 | 77.4 | 53.7 | 19.5 | 61.2 |
| White | 56.8 | 48.8 | 54.0 | 50.1 | 60.2 | 15.0 | 40.3 | 44.7 | 38.5 | 76.9 | 50.7 | 17.1 | 60.4 |
| Asian/Pacific Islander | 55.5 | 49.5 | 55.6 | 62.2 | 61.4 | 23.6 | 45.7 | 46.8 | 51.8 | 74.4 | 55.4 | 24.4 | 60.7 |
| Black | 66.6 | 63.8 | 66.7 | 61.2 | 74.0 | 40.5 | 51.7 | 50.4 | 60.2 | 81.7 | 64.7 | 30.7 | 67.8 |
| Hispanic | 62.3 | 56.4 | 61.4 | 60.8 | 64.0 | 24.0 | 49.0 | 44.9 | 51.9 | 78.4 | 60.1 | 23.9 | 65.1 |
| American Indian/Alaska Native | 61.9 | 57.2 | 61.7 | 55.7 | 66.4 | 28.9 | 41.7 | 48.4 | 45.1 | 78.2 | 61.5 | 20.1 | 64.2 |
| Other or unknown race/ethnicity | 55.7 | 48.9 | 52.9 | 54.3 | 60.2 | 21.7 | 43.0 | 43.4 | 40.1 | 76.1 | 53.8 | 17.5 | 58.8 |
| Temporary resident | 49.8 | 42.7 | 50.0 | 55.3 | 62.8 | 23.7 | 44.7 | 39.8 | 44.1 | 79.7 | 53.2 | 21.8 | 54.5 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2006.

TABLE C-15. First university degrees in selected countries, by sex and field: 2005

| Country and sex | Sciences | | | | | | | | | | |
|-------------------|------------|---------|----------|--------------|----------|----------|----------------|----------|---------------------|-------------|---------|
| | All fields | S&E | All | Agricultural | Computer | Life | Mathematics | Physical | Social/ | Engineering | Non-S&E |
| | | | sciences | sciences | sciences | sciences | and statistics | sciences | behavioral sciences | | |
| Number of degrees | | | | | | | | | | | |
| Both sexes | | | | | | | | | | | |
| Australia | 176,906 | 50,840 | 38,506 | 1,132 | 13,691 | 6,401 | 872 | 4,082 | 12,328 | 12,334 | 126,066 |
| Austria | 21,908 | 8,054 | 4,938 | 190 | 1,438 | 762 | 131 | 428 | 1,989 | 3,116 | 13,854 |
| Belgium | 24,682 | 9,546 | 6,149 | 436 | 1,108 | 936 | 183 | 473 | 3,013 | 3,397 | 15,136 |
| Canada | 149,910 | 59,970 | 47,658 | 1,152 | 6,678 | 7,824 | 2,217 | 1,926 | 27,861 | 12,312 | 89,940 |
| Czech Republic | 38,415 | 13,774 | 6,490 | 1,461 | 1,180 | 706 | 282 | 801 | 2,060 | 7,284 | 24,641 |
| Denmark | 31,222 | 6,931 | 3,547 | 132 | 598 | 451 | 358 | 294 | 1,714 | 3,384 | 24,291 |
| Finland | 36,506 | 13,418 | 5,480 | 795 | 1,777 | 383 | 258 | 610 | 1,657 | 7,938 | 23,088 |
| France | 273,523 | 94,605 | 56,203 | 2,193 | 9,740 | 9,067 | 5,206 | 8,827 | 21,170 | 38,402 | 178,918 |
| Germany | 197,770 | 74,970 | 41,605 | 2,321 | 12,199 | 5,641 | 3,904 | 6,813 | 10,727 | 33,365 | 122,800 |
| Greece | 35,219 | 14,618 | 11,370 | 559 | 1,745 | 1,161 | 1,231 | 1,754 | 4,920 | 3,248 | 20,601 |
| Hungary | 57,162 | 11,752 | 7,502 | 1,530 | 1,262 | 316 | 105 | 357 | 3,932 | 4,250 | 45,410 |
| Iceland | 2,451 | 582 | 446 | 18 | 86 | 71 | 1 | 52 | 218 | 136 | 1,869 |
| Ireland | 26,486 | 5,603 | 2,994 | 140 | 1,015 | 585 | 155 | 335 | 764 | 2,609 | 20,883 |
| Italy | 291,304 | 108,181 | 59,057 | 3,725 | 3,459 | 10,311 | 2,895 | 3,751 | 34,916 | 49,124 | 183,123 |
| Mexico | 309,266 | 107,981 | 60,653 | 3,722 | 27,702 | 3,796 | 1,158 | 4,354 | 19,921 | 47,328 | 201,285 |
| Netherlands | 90,033 | 24,399 | 17,438 | 1,690 | 3,902 | 1,134 | 274 | 1,109 | 9,329 | 6,961 | 65,634 |
| New Zealand | 29,178 | 8,089 | 6,448 | 244 | 1,888 | 1,285 | 321 | 673 | 2,037 | 1,641 | 21,089 |
| Norway | 24,987 | 5,444 | 3,384 | 142 | 1,133 | 104 | 29 | 91 | 1,885 | 2,060 | 19,543 |
| Poland | 287,607 | 93,698 | 64,578 | 5,114 | 13,116 | 2,054 | 2,179 | 4,487 | 37,628 | 29,120 | 193,909 |
| Portugal | 50,319 | 18,698 | 11,946 | 910 | 2,242 | 1,286 | 902 | 1,719 | 4,887 | 6,752 | 31,621 |
| Slovak Republic | 27,085 | 9,075 | 4,597 | 1,024 | 1,041 | 578 | 143 | 421 | 1,390 | 4,478 | 18,010 |
| South Korea | 268,833 | 117,921 | 47,119 | 4,401 | 9,378 | 7,149 | 5,116 | 6,944 | 14,131 | 70,802 | 150,912 |
| Spain | 195,946 | 64,889 | 36,027 | 4,279 | 8,488 | 3,892 | 1,762 | 4,296 | 13,310 | 28,862 | 131,057 |
| Sweden | 46,046 | 16,300 | 7,446 | 256 | 1,630 | 1,068 | 233 | 589 | 3,670 | 8,854 | 29,746 |
| Switzerland | 21,259 | 6,979 | 4,284 | 188 | 826 | 851 | 168 | 610 | 1,641 | 2,695 | 14,280 |
| Turkey | 150,421 | 55,429 | 37,322 | 4,267 | 1,970 | 2,954 | 4,265 | 6,192 | 17,674 | 18,107 | 94,992 |
| United Kingdom | 306,363 | 116,432 | 90,546 | 2,137 | 20,096 | 15,764 | 5,271 | 12,529 | 34,748 | 25,886 | 189,931 |
| United States | 1,439,264 | 476,655 | 387,611 | 16,956 | 54,111 | 64,611 | 14,351 | 18,905 | 218,677 | 89,044 | 962,609 |
| Female | | | | | | | | | | | |
| Australia | 104,665 | 21,880 | 18,830 | 546 | 3,528 | 3,757 | 337 | 2,175 | 8,487 | 3,050 | 82,785 |
| Austria | 11,650 | 3,118 | 2,492 | 103 | 272 | 527 | 50 | 139 | 1,401 | 626 | 8,532 |
| Belgium | 13,291 | 4,115 | 3,212 | 199 | 117 | 605 | 74 | 186 | 2,031 | 903 | 9,176 |
| Canada | 91,512 | 30,498 | 27,447 | 585 | 1,500 | 5,058 | 966 | 774 | 18,564 | 3,051 | 61,014 |
| Czech Republic | 21,086 | 5,038 | 3,431 | 810 | 179 | 493 | 146 | 353 | 1,450 | 1,607 | 16,048 |
| Denmark | 20,058 | 2,550 | 1,551 | 71 | 105 | 262 | 67 | 116 | 930 | 999 | 17,508 |
| Finland | 22,959 | 4,810 | 3,094 | 379 | 775 | 303 | 103 | 349 | 1,185 | 1,716 | 18,149 |
| France | 151,045 | 38,480 | 28,655 | 1,066 | 1,656 | 5,776 | 2,089 | 3,481 | 14,587 | 9,825 | 112,565 |
| Germany | 100,217 | 25,388 | 17,974 | 1,004 | 1,954 | 3,572 | 2,237 | 2,747 | 6,460 | 7,414 | 74,829 |
| Greece | 22,611 | 7,676 | 6,364 | 230 | 625 | 673 | 593 | 856 | 3,387 | 1,312 | 14,935 |
| Hungary | 36,582 | 5,324 | 4,210 | 783 | 403 | 223 | 42 | 137 | 2,622 | 1,114 | 31,258 |
| Iceland | 1,702 | 295 | 241 | 7 | 21 | 45 | 0 | 18 | 150 | 54 | 1,407 |
| Ireland | 15,645 | 2,094 | 1,568 | 44 | 308 | 433 | 51 | 156 | 576 | 526 | 13,551 |
| Italy | 167,549 | 48,591 | 34,372 | 1,425 | 668 | 6,995 | 1,731 | 1,500 | 22,053 | 14,219 | 118,958 |
| Mexico | 174,424 | 44,279 | 31,415 | 1,081 | 10,836 | 2,152 | 541 | 2,482 | 14,323 | 12,864 | 130,145 |
| Netherlands | 51,195 | 8,900 | 7,924 | 716 | 340 | 663 | 105 | 324 | 5,776 | 976 | 42,295 |
| New Zealand | 18,052 | 3,630 | 3,119 | 83 | 437 | 828 | 141 | 312 | 1,318 | 511 | 14,422 |
| Norway | 16,194 | 1,917 | 1,443 | 64 | 197 | 59 | 10 | 28 | 1,085 | 474 | 14,277 |
| Poland | 181,409 | 45,599 | 37,337 | 3,065 | 2,241 | 1,686 | 1,515 | 2,773 | 26,057 | 8,262 | 135,810 |
| Portugal | 33,876 | 9,572 | 7,179 | 553 | 485 | 928 | 635 | 1,136 | 3,442 | 2,393 | 24,304 |
| Slovak Republic | 15,325 | 3,572 | 2,149 | 425 | 134 | 379 | 76 | 199 | 936 | 1,423 | 11,753 |
| South Korea | 132,240 | 40,096 | 21,702 | 1,898 | 2,902 | 3,849 | 2,883 | 3,273 | 6,897 | 18,394 | 92,144 |
| Spain | 118,293 | 27,416 | 18,564 | 1,848 | 1,840 | 2,669 | 989 | 2,388 | 8,830 | 8,852 | 90,877 |
| Sweden | 29,680 | 7,056 | 4,398 | 125 | 604 | 755 | 87 | 310 | 2,517 | 2,658 | 22,624 |

TABLE C-15. First university degrees in selected countries, by sex and field: 2005

| Country and sex | Sciences | | | | | | | | | | |
|-----------------|------------|---------|--------------|-----------------------|-------------------|---------------|----------------------------|-------------------|----------------------------|-------------|---------|
| | All fields | S&E | All sciences | Agricultural sciences | Computer sciences | Life sciences | Mathematics and statistics | Physical sciences | Social/behavioral sciences | Engineering | Non-S&E |
| Switzerland | 10,027 | 2,269 | 1,905 | 47 | 65 | 440 | 47 | 202 | 1,104 | 364 | 7,758 |
| Turkey | 69,646 | 20,538 | 16,555 | 1,425 | 444 | 1,719 | 1,874 | 2,704 | 8,389 | 3,983 | 49,108 |
| United Kingdom | 172,483 | 48,322 | 43,722 | 1,444 | 4,294 | 8,436 | 2,195 | 5,407 | 21,946 | 4,600 | 124,161 |
| United States | 826,264 | 231,019 | 212,406 | 7,896 | 11,986 | 39,994 | 6,414 | 7,971 | 138,145 | 18,613 | 595,245 |
| Male | | | | | | | | | | | |
| Australia | 72,241 | 28,960 | 19,676 | 586 | 10,163 | 2,644 | 535 | 1,907 | 3,841 | 9,284 | 43,281 |
| Austria | 10,258 | 4,936 | 2,446 | 87 | 1,166 | 235 | 81 | 289 | 588 | 2,490 | 5,322 |
| Belgium | 11,391 | 5,431 | 2,937 | 237 | 991 | 331 | 109 | 287 | 982 | 2,494 | 5,960 |
| Canada | 58,398 | 29,472 | 20,211 | 567 | 5,178 | 2,766 | 1,251 | 1,152 | 9,297 | 9,261 | 28,926 |
| Czech Republic | 17,329 | 8,736 | 3,059 | 651 | 1,001 | 213 | 136 | 448 | 610 | 5,677 | 8,593 |
| Denmark | 11,164 | 4,381 | 1,996 | 61 | 493 | 189 | 291 | 178 | 784 | 2,385 | 6,783 |
| Finland | 13,547 | 8,608 | 2,386 | 416 | 1,002 | 80 | 155 | 261 | 472 | 6,222 | 4,939 |
| France | 122,478 | 56,125 | 27,548 | 1,127 | 8,084 | 3,291 | 3,117 | 5,346 | 6,583 | 28,577 | 66,353 |
| Germany | 97,553 | 49,582 | 23,631 | 1,317 | 10,245 | 2,069 | 1,667 | 4,066 | 4,267 | 25,951 | 47,971 |
| Greece | 12,608 | 6,942 | 5,006 | 329 | 1,120 | 488 | 638 | 898 | 1,533 | 1,936 | 5,666 |
| Hungary | 20,580 | 6,428 | 3,292 | 747 | 859 | 93 | 63 | 220 | 1,310 | 3,136 | 14,152 |
| Iceland | 749 | 287 | 205 | 11 | 65 | 26 | 1 | 34 | 68 | 82 | 462 |
| Ireland | 10,841 | 3,509 | 1,426 | 96 | 707 | 152 | 104 | 179 | 188 | 2,083 | 7,332 |
| Italy | 123,755 | 59,590 | 24,685 | 2,300 | 2,791 | 3,316 | 1,164 | 2,251 | 12,863 | 34,905 | 64,165 |
| Mexico | 134,842 | 63,702 | 29,238 | 2,641 | 16,866 | 1,644 | 617 | 1,872 | 5,598 | 34,464 | 71,140 |
| Netherlands | 38,838 | 15,499 | 9,514 | 974 | 3,562 | 471 | 169 | 785 | 3,553 | 5,985 | 23,339 |
| New Zealand | 11,126 | 4,459 | 3,329 | 161 | 1,451 | 457 | 180 | 361 | 719 | 1,130 | 6,667 |
| Norway | 8,793 | 3,527 | 1,941 | 78 | 936 | 45 | 19 | 63 | 800 | 1,586 | 5,266 |
| Poland | 106,198 | 48,099 | 27,241 | 2,049 | 10,875 | 368 | 664 | 1,714 | 11,571 | 20,858 | 58,099 |
| Portugal | 16,443 | 9,126 | 4,767 | 357 | 1,757 | 358 | 267 | 583 | 1,445 | 4,359 | 7,317 |
| Slovak Republic | 11,760 | 5,503 | 2,448 | 599 | 907 | 199 | 67 | 222 | 454 | 3,055 | 6,257 |
| South Korea | 136,593 | 77,825 | 25,417 | 2,503 | 6,476 | 3,300 | 2,233 | 3,671 | 7,234 | 52,408 | 58,768 |
| Spain | 77,653 | 37,473 | 17,463 | 2,431 | 6,648 | 1,223 | 773 | 1,908 | 4,480 | 20,010 | 40,180 |
| Sweden | 16,366 | 9,244 | 3,048 | 131 | 1,026 | 313 | 146 | 279 | 1,153 | 6,196 | 7,122 |
| Switzerland | 11,232 | 4,710 | 2,379 | 141 | 761 | 411 | 121 | 408 | 537 | 2,331 | 6,522 |
| Turkey | 80,775 | 34,891 | 20,767 | 2,842 | 1,526 | 1,235 | 2,391 | 3,488 | 9,285 | 14,124 | 45,884 |
| United Kingdom | 133,880 | 68,110 | 46,824 | 694 | 15,801 | 7,328 | 3,076 | 7,122 | 12,802 | 21,286 | 65,770 |
| United States | 613,000 | 245,636 | 175,205 | 9,060 | 42,125 | 24,617 | 7,937 | 10,934 | 80,532 | 70,431 | 367,364 |
| Percent female | | | | | | | | | | | |
| Australia | 59.2 | 43.0 | 48.9 | 48.2 | 25.8 | 58.7 | 38.6 | 53.3 | 68.8 | 24.7 | 65.7 |
| Austria | 53.2 | 38.7 | 50.5 | 54.2 | 18.9 | 69.2 | 38.2 | 32.5 | 70.4 | 20.1 | 61.6 |
| Belgium | 53.8 | 43.1 | 52.2 | 45.6 | 10.6 | 64.6 | 40.4 | 39.3 | 67.4 | 26.6 | 60.6 |
| Canada | 61.0 | 50.9 | 57.6 | 50.8 | 22.5 | 64.6 | 43.6 | 40.2 | 66.6 | 24.8 | 67.8 |
| Czech Republic | 54.9 | 36.6 | 52.9 | 55.4 | 15.2 | 69.8 | 51.8 | 44.1 | 70.4 | 22.1 | 65.1 |
| Denmark | 64.2 | 36.8 | 43.7 | 53.8 | 17.6 | 58.1 | 18.7 | 39.5 | 54.3 | 29.5 | 72.1 |
| Finland | 62.9 | 35.8 | 56.5 | 47.7 | 43.6 | 79.1 | 39.9 | 57.2 | 71.5 | 21.6 | 78.6 |
| France | 55.2 | 40.7 | 51.0 | 48.6 | 17.0 | 63.7 | 40.1 | 39.4 | 68.9 | 25.6 | 62.9 |
| Germany | 50.7 | 33.9 | 43.2 | 43.3 | 16.0 | 63.3 | 57.3 | 40.3 | 60.2 | 22.2 | 60.9 |
| Greece | 64.2 | 52.5 | 56.0 | 41.1 | 35.8 | 58.0 | 48.2 | 48.8 | 68.8 | 40.4 | 72.5 |
| Hungary | 64.0 | 45.3 | 56.1 | 51.2 | 31.9 | 70.6 | 40.0 | 38.4 | 66.7 | 26.2 | 68.8 |
| Iceland | 69.4 | 50.7 | 54.0 | 38.9 | 24.4 | 63.4 | 0.0 | 34.6 | 68.8 | 39.7 | 75.3 |
| Ireland | 59.1 | 37.4 | 52.4 | 31.4 | 30.3 | 74.0 | 32.9 | 46.6 | 75.4 | 20.2 | 64.9 |
| Italy | 57.5 | 44.9 | 58.2 | 38.3 | 19.3 | 67.8 | 59.8 | 40.0 | 63.2 | 28.9 | 65.0 |
| Mexico | 56.4 | 41.0 | 51.8 | 29.0 | 39.1 | 56.7 | 46.7 | 57.0 | 71.9 | 27.2 | 64.7 |
| Netherlands | 56.9 | 36.5 | 45.4 | 42.4 | 8.7 | 58.5 | 38.3 | 29.2 | 61.9 | 14.0 | 64.4 |
| New Zealand | 61.9 | 44.9 | 48.4 | 34.0 | 23.1 | 64.4 | 43.9 | 46.4 | 64.7 | 31.1 | 68.4 |
| Norway | 64.8 | 35.2 | 42.6 | 45.1 | 17.4 | 56.7 | 34.5 | 30.8 | 57.6 | 23.0 | 73.1 |
| Poland | 63.1 | 48.7 | 57.8 | 59.9 | 17.1 | 82.1 | 69.5 | 61.8 | 69.2 | 28.4 | 70.0 |
| Portugal | 67.3 | 51.2 | 60.1 | 60.8 | 21.6 | 72.2 | 70.4 | 66.1 | 70.4 | 35.4 | 76.9 |
| Slovak Republic | 56.6 | 39.4 | 46.7 | 41.5 | 12.9 | 65.6 | 53.1 | 47.3 | 67.3 | 31.8 | 65.3 |

TABLE C-15. First university degrees in selected countries, by sex and field: 2005

| Country and sex | Sciences | | | | | | | | | Engineering | Non-S&E |
|-----------------|------------|------|--------------|-----------------------|-------------------|---------------|----------------------------|-------------------|----------------------------|-------------|---------|
| | All fields | S&E | All sciences | Agricultural sciences | Computer sciences | Life sciences | Mathematics and statistics | Physical sciences | Social/behavioral sciences | | |
| South Korea | 49.2 | 34.0 | 46.1 | 43.1 | 30.9 | 53.8 | 56.4 | 47.1 | 48.8 | 26.0 | 61.1 |
| Spain | 60.4 | 42.3 | 51.5 | 43.2 | 21.7 | 68.6 | 56.1 | 55.6 | 66.3 | 30.7 | 69.3 |
| Sweden | 64.5 | 43.3 | 59.1 | 48.8 | 37.1 | 70.7 | 37.3 | 52.6 | 68.6 | 30.0 | 76.1 |
| Switzerland | 47.2 | 32.5 | 44.5 | 25.0 | 7.9 | 51.7 | 28.0 | 33.1 | 67.3 | 13.5 | 54.3 |
| Turkey | 46.3 | 37.1 | 44.4 | 33.4 | 22.5 | 58.2 | 43.9 | 43.7 | 47.5 | 22.0 | 51.7 |
| United Kingdom | 56.3 | 41.5 | 48.3 | 67.5 | 21.4 | 53.5 | 41.6 | 43.2 | 63.2 | 17.8 | 65.4 |
| United States | 57.4 | 48.5 | 54.8 | 46.6 | 22.2 | 61.9 | 44.7 | 42.2 | 63.2 | 20.9 | 61.8 |

NOTE: United States numbers differ from those in other tables in this report because of differences in coverage of institutions and field taxonomy.

SOURCE: Organisation for Economic Co-operation and Development, Education Online database--www.oecd.org/education/database.

TABLE C-16. S&E associate's degrees awarded by leading institutions, by sex: 2002-06

| Academic institution | Associate's degrees | Academic institution | Associate's degrees |
|--|---------------------|--|---------------------|
| Female | | Male | |
| All institutions | 145,661 | All institutions | 283,991 |
| Leading institutions | 41,870 | Leading institutions | 66,080 |
| Community College of the Air Force | 2,494 | Community College of the Air Force | 10,354 |
| Riverside Community College | 2,137 | Technical Career Institutes | 2,886 |
| Mt. San Jacinto Community College District | 1,805 | ECPI College of Technology | 2,833 |
| Sierra College | 1,506 | Purdue University main campus | 2,289 |
| San Jacinto College Central campus | 1,451 | New England Institute of Technology | 2,008 |
| ECPI College of Technology | 1,446 | Texas State Technical College Waco | 1,656 |
| Tidewater Community College | 1,358 | Pennsylvania College of Technology | 1,628 |
| Citrus College | 1,292 | DeVry University New Jersey | 1,568 |
| Sacramento City College | 1,264 | Keiser College Ft Lauderdale | 1,564 |
| Moraine Valley Community College | 1,250 | Pittsburgh Technical Institute | 1,372 |
| Butte College | 1,023 | Southeast Community College Area | 1,334 |
| McHenry County College | 900 | Riverside Community College | 1,236 |
| Napa Valley College | 891 | CUNY New York City College of Technology | 1,222 |
| San Joaquin Delta College | 890 | Salt Lake Community College | 1,123 |
| Lewis and Clark Community College | 874 | Ferris State University | 1,083 |
| Parkland College | 808 | Sinclair Community College | 1,060 |
| Keiser College Ft Lauderdale | 791 | San Jacinto College Central campus | 1,055 |
| Brookdale Community College | 790 | Excelsior College | 1,049 |
| CUNY La Guardia Community College | 778 | Cincinnati State Technical and Community College | 1,022 |
| American River College | 772 | Moraine Valley Community College | 1,020 |
| Lake Land College | 752 | ECPI Technical College (Richmond, VA) | 1,015 |
| Solano Community College | 701 | Milwaukee Area Technical College | 1,006 |
| Waubonsee Community College | 687 | ITT Technical Institute San Diego | 984 |
| Tulsa Community College | 672 | Hocking College | 975 |
| Oklahoma City Community College | 665 | Heald College Hayward | 974 |
| Thomas Nelson Community College | 663 | Cochise College | 972 |
| Southwestern Illinois College | 659 | Tidewater Community College | 971 |
| CUNY New York City College of Technology | 645 | Katharine Gibbs School New York City | 965 |
| Modesto Junior College | 645 | Heald College San Jose | 964 |
| College of the Canyons | 631 | Heald College Concord | 940 |
| Richard Bland College of the College of William and Mary | 621 | ITT Technical Institute San Bernardino | 930 |
| Victor Valley College | 601 | Columbus State Community College | 916 |
| Washtenaw Community College | 597 | DeVry University Illinois | 915 |
| Illinois Valley Community College | 570 | Remington College Tampa campus | 895 |
| Essex County College | 568 | Monroe Community College | 894 |
| Harrisburg Area Community College Harrisburg | 550 | ITT Technical Institute San Dimas | 884 |
| Kishwaukee College | 542 | Fox Valley Technical College | 846 |
| Mt San Antonio College | 530 | San Joaquin Delta College | 846 |
| Merritt College | 528 | Honolulu Community College | 844 |
| Bakersfield College | 527 | Vincennes University | 837 |
| El Camino Community College District | 525 | Robert Morris College (Chicago, IL) | 834 |
| John A Logan College | 516 | DeVry University California | 833 |
| Laney College | 509 | ITT Technical Institute Sylmar | 822 |
| CUNY Borough of Manhattan Community College | 504 | Springfield Technical Community College | 819 |
| Robert Morris College (Chicago, IL) | 503 | Sierra College | 815 |
| CUNY Bronx Community College | 502 | North Dakota State College of Science | 813 |
| Foothill College | 498 | Parkland College | 808 |
| ECPI Technical College (Richmond, VA) | 487 | Oklahoma City Community College | 804 |
| J Sargeant Reynolds Community College | 486 | Macomb Community College | 801 |
| CUNY Kingsborough Community College | 466 | Butte College | 796 |
| Other institutions | 103,791 | Other institutions | 217,911 |

NOTES: S&E includes science and engineering technologies and interdisciplinary fields. Institutions awarding the same number of degrees are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2002-06.

TABLE C-17. S&E associate's degrees awarded by leading institutions, by race/ethnicity of minority graduates: 2002–06

| Academic institution | Associate's degrees | Academic institution | Associate's degrees |
|---|---------------------|---|---------------------|
| Asian/Pacific Islander | | Black | |
| All institutions | 31,389 | All institutions | 67,964 |
| Leading institutions | 7,305 | Leading institutions | 15,106 |
| Honolulu Community College | 943 | Community College of the Air Force | 2,114 |
| Heald College San Jose | 541 | ECPI College of Technology | 1,436 |
| Sacramento City College | 462 | Keiser College Ft Lauderdale | 1,401 |
| San Joaquin Delta College | 385 | Technical Career Institutes | 1,159 |
| Heald College San Francisco | 376 | CUNY New York City College of Technology | 1,032 |
| Technical Career Institutes | 373 | Robert Morris College | 1,014 |
| CUNY New York City College of Technology | 358 | CUNY Kingsborough Community College | 639 |
| Community College of the Air Force | 341 | Essex County College | 591 |
| Mt San Antonio College | 339 | Community College of Philadelphia | 565 |
| Foothill College | 332 | ECPI Technical College (Richmond, VA) | 532 |
| Riverside Community College | 299 | Katharine Gibbs School New York City | 505 |
| Heald College Concord | 297 | CUNY Borough of Manhattan Community College | 498 |
| Kapiolani Community College | 297 | Miami Dade College | 491 |
| De Anza College | 293 | Monroe College main campus | 483 |
| Northern Virginia Community College | 290 | Merritt College | 472 |
| College of Dupage | 284 | CUNY La Guardia Community College | 458 |
| Laney College | 283 | Virginia College Birmingham | 455 |
| Ohlone College | 281 | Tidewater Community College | 438 |
| Mission College | 268 | CUNY Bronx Community College | 417 |
| Solano Community College | 263 | Southern University at Shreveport | 406 |
| Other institutions | 24,084 | Other institutions | 52,858 |
| Hispanic | | American Indian/Alaska Native | |
| All institutions | 61,497 | All institutions | 7,092 |
| Leading institutions | 14,853 | Leading institutions | 2,174 |
| Huertas Junior College | 1,294 | Diné College | 369 |
| Technical Career Institutes | 1,261 | Oglala Lakota College | 148 |
| Miami Dade College | 1,242 | San Juan College | 148 |
| South Texas College | 1,028 | Blackfeet Community College | 134 |
| Riverside Community College | 987 | Tulsa Community College | 128 |
| San Jacinto College Central campus | 798 | Bacone College | 105 |
| Citrus College | 705 | Eastern Oklahoma State College | 99 |
| Texas State Technical College Harlingen | 704 | Oklahoma City Community College | 90 |
| National College of Business and Technology Bayamon | 697 | Northeastern Oklahoma A&M College | 87 |
| CUNY La Guardia Community College | 696 | Oklahoma State University Okmulgee | 87 |
| El Paso Community College | 690 | Rose State College | 86 |
| Robert Morris College (Chicago, IL) | 608 | Connors State College | 85 |
| Keiser College Ft Lauderdale | 579 | United Tribes Technical College | 85 |
| National College of Business and Technology Arecibo | 534 | Robeson Community College | 80 |
| Mt San Antonio College | 524 | Community College of the Air Force | 79 |
| Mt. San Jacinto Community College District | 513 | Seminole State College | 79 |
| CUNY New York City College of Technology | 502 | Carl Albert State College | 74 |
| Del Mar College | 498 | Central New Mexico Community College | 74 |
| Katharine Gibbs School New York City | 497 | University of Alaska Anchorage | 73 |
| St Philips College | 496 | ITT Technical Institute Albuquerque | 64 |
| Other institutions | 46,644 | Other institutions | 4,918 |

NOTES: S&E includes science and engineering technologies and interdisciplinary fields. Institutions awarding the same number of degrees are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2002–06.

TABLE C-18. S&E bachelor's degrees awarded by leading institutions, by sex: 2002–06

| Academic institution | Bachelor's degrees | Academic institution | Bachelor's degrees |
|---|--------------------|---|--------------------|
| Female | | Male | |
| All institutions | 1,138,001 | All institutions | 1,114,081 |
| Leading institutions | 291,185 | Leading institutions | 332,466 |
| University of California Los Angeles | 13,346 | University of Texas at Austin | 11,382 |
| University of California Davis | 10,238 | University of California Los Angeles | 10,734 |
| University of California Berkeley | 10,224 | Pennsylvania State University main campus | 10,627 |
| University of California Irvine | 9,417 | University of California Berkeley | 10,018 |
| University of Washington Seattle campus | 9,374 | University of Illinois at Urbana Champaign | 9,925 |
| Rutgers University New Brunswick/Piscataway | 8,444 | University of Washington Seattle campus | 9,855 |
| University of Texas at Austin | 8,172 | Ohio State University main campus | 9,412 |
| University of Florida | 8,118 | Texas A & M University | 9,143 |
| University of California San Diego | 8,074 | University of Michigan Ann Arbor | 9,057 |
| Texas A & M University | 7,640 | University of California Irvine | 8,943 |
| Michigan State University | 7,415 | University of Maryland College Park | 8,874 |
| University of Michigan Ann Arbor | 7,357 | University of Florida | 8,802 |
| Ohio State University main campus | 7,000 | Purdue University main campus | 8,794 |
| University of Illinois at Urbana Champaign | 6,953 | Rutgers University New Brunswick/Piscataway | 8,461 |
| University of California Santa Barbara | 6,896 | University of Wisconsin Madison | 8,386 |
| University of Wisconsin Madison | 6,855 | University of California Davis | 8,324 |
| University of Maryland College Park | 6,765 | North Carolina State University at Raleigh | 8,248 |
| Pennsylvania State University main campus | 6,520 | Brigham Young University | 8,033 |
| University of Colorado at Boulder | 6,425 | Michigan State University | 7,897 |
| University of Minnesota Twin Cities | 6,166 | University of California San Diego | 7,829 |
| University of South Florida | 5,949 | University of Minnesota Twin Cities | 7,498 |
| North Carolina State University at Raleigh | 5,378 | Virginia Polytechnic Institute and State University | 7,407 |
| San Diego State University | 5,309 | Georgia Institute of Technology main campus | 7,014 |
| University of Arizona | 5,102 | University of Colorado at Boulder | 6,719 |
| Florida State University | 5,024 | University of Utah | 6,014 |
| University of California Santa Cruz | 4,818 | Iowa State University | 5,911 |
| University of Central Florida | 4,714 | Cornell University | 5,574 |
| University of North Carolina at Chapel Hill | 4,578 | University of Arizona | 5,550 |
| Boston University | 4,559 | University of California Santa Barbara | 5,336 |
| University of Virginia main campus | 4,543 | Florida State University | 5,254 |
| Purdue University main campus | 4,425 | California Polytechnic State University San Luis Obispo | 5,246 |
| University of Massachusetts Amherst | 4,394 | San Diego State University | 5,196 |
| California State University Northridge | 4,373 | Arizona State University Tempe | 5,170 |
| Cornell University | 4,330 | University of Massachusetts Amherst | 4,601 |
| Virginia Polytechnic Institute and State University | 4,267 | Auburn University main campus | 4,593 |
| Arizona State University Tempe | 4,259 | University of Pittsburgh main campus | 4,541 |
| University of Georgia | 4,181 | University of Virginia main campus | 4,527 |
| University of California Riverside | 4,032 | Indiana University Bloomington | 4,354 |
| University of Pittsburgh main campus | 4,027 | Oregon State University | 4,334 |
| Brigham Young University | 4,017 | University of South Florida | 4,319 |
| SUNY at Binghamton | 3,970 | University of Central Florida | 4,299 |
| Indiana University Bloomington | 3,897 | SUNY at Buffalo | 4,241 |
| New York University | 3,867 | University of Tennessee | 4,240 |
| University of Oregon | 3,860 | Kansas State University | 4,151 |
| Washington State University | 3,771 | Louisiana State University and A & M College | 4,118 |
| Louisiana State University and A & M College | 3,723 | University of Missouri Columbia | 4,089 |
| California State University Fullerton | 3,644 | Colorado State University | 3,954 |
| Colorado State University | 3,617 | University of Connecticut | 3,843 |
| San Francisco State University | 3,604 | University of Southern California | 3,826 |
| University of Tennessee | 3,554 | University of Georgia | 3,803 |
| Other institutions | 846,816 | Other institutions | 781,615 |

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2002–06.

TABLE C-19. S&E bachelor's degrees awarded by leading institutions, by race/ethnicity of minority graduates: 2002–06

| Academic institution | Bachelor's degrees | Academic institution | Bachelor's degrees |
|--|--------------------|--|--------------------|
| Asian/Pacific Islander | | Black | |
| All institutions | 205,604 | All institutions | 188,568 |
| Leading institutions | 79,579 | Leading institutions | 29,271 |
| University of California Irvine | 9,649 | Florida Agricultural and Mechanical University | 2,225 |
| University of California Los Angeles | 9,507 | Howard University | 1,893 |
| University of California Berkeley | 8,685 | University of Maryland College Park | 1,795 |
| University of California Davis | 6,565 | Georgia State University | 1,764 |
| University of California San Diego | 5,943 | Spelman College | 1,665 |
| University of Washington Seattle | 4,519 | Xavier University of Louisiana | 1,658 |
| Rutgers University New Brunswick/Piscataway | 3,882 | North Carolina A & T State University | 1,545 |
| University of Texas at Austin | 3,837 | Morgan State University | 1,489 |
| University of Hawaii at Manoa | 2,985 | Southern University and A & M College | 1,475 |
| University of California Riverside | 2,734 | Hampton University | 1,405 |
| University of Illinois at Urbana Champaign | 2,713 | Tennessee State University | 1,398 |
| University of Michigan Ann Arbor | 2,574 | Florida State University | 1,319 |
| San Jose State University | 2,412 | Strayer University | 1,288 |
| University of Maryland College Park | 2,410 | CUNY John Jay College Criminal Justice | 1,252 |
| University of Illinois at Chicago | 2,112 | Rutgers University New Brunswick/Piscataway | 1,246 |
| Cornell University | 1,946 | University of South Florida | 1,232 |
| Stony Brook University | 1,842 | Ohio State University main campus | 1,179 |
| California State Polytechnic University Pomona | 1,800 | North Carolina State University at Raleigh | 1,171 |
| University of Southern California | 1,743 | University of Florida | 1,141 |
| University of California Santa Barbara | 1,721 | Morehouse College | 1,131 |
| Other institutions | 126,025 | Other institutions | 159,297 |
| Hispanic | | American Indian/Alaska Native | |
| All institutions | 167,243 | All institutions | 15,218 |
| Leading institutions | 45,866 | Leading institutions | 3,947 |
| University of Puerto Rico Mayaguez | 5,839 | Oklahoma State University main campus | 445 |
| University of Puerto Rico Rio Piedras | 3,568 | University of Oklahoma Norman | 443 |
| Florida International University | 3,567 | Northeastern State University | 293 |
| University of California Los Angeles | 3,343 | University of North Carolina at Pembroke | 225 |
| University of Texas at Austin | 2,511 | University of Washington Seattle | 203 |
| University of Texas at San Antonio | 2,138 | Fort Lewis College | 200 |
| California State University Northridge | 2,045 | Arizona State University Tempe | 199 |
| San Diego State University | 2,043 | University of New Mexico main campus | 198 |
| University of Florida | 2,026 | George Mason University | 191 |
| University of California Irvine | 1,928 | Southeastern Oklahoma State University | 180 |
| University of California Santa Barbara | 1,850 | University of Arizona | 177 |
| University of California Berkeley | 1,771 | University of California Davis | 154 |
| University of Texas at El Paso | 1,741 | Northern Arizona University | 143 |
| University of California Davis | 1,697 | East Central University | 126 |
| University of Texas Pan American | 1,697 | Haskell Indian Nations University | 118 |
| Universidad Politecnica de Puerto Rico | 1,696 | DeVry University California | 117 |
| University of California Riverside | 1,649 | Western Washington University | 111 |
| Texas A & M University | 1,624 | University of California Berkeley | 109 |
| California State University Fullerton | 1,598 | New Mexico State University main campus | 105 |
| California State University Los Angeles | 1,535 | Stanford University | 105 |
| Other institutions | 121,377 | University of California Santa Barbara | 105 |
| | | Other institutions | 11,271 |

NOTE: Institutions awarding the same number of degrees are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2002–06.

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| All S&E graduate students | 411,182 | 413,536 | 429,229 | 454,834 | 474,645 | 475,873 | 478,275 | 486,287 |
| Science | 309,491 | 309,424 | 319,736 | 335,166 | 347,268 | 352,307 | 357,710 | 363,246 |
| Agricultural sciences | 12,312 | 12,023 | 12,235 | 12,698 | 13,197 | 13,445 | 13,123 | 13,016 |
| Biological sciences | 56,959 | 56,282 | 57,639 | 61,088 | 64,701 | 66,565 | 68,479 | 69,941 |
| Anatomy | 749 | 795 | 735 | 906 | 908 | 897 | 938 | 961 |
| Biochemistry | 5,101 | 4,966 | 4,917 | 5,190 | 5,552 | 5,612 | 5,814 | 5,824 |
| Biology | 13,989 | 13,407 | 13,352 | 13,822 | 14,770 | 15,458 | 15,681 | 16,463 |
| Biometry and epidemiology | 3,704 | 3,615 | 3,817 | 4,071 | 4,439 | 4,674 | 4,805 | 4,789 |
| Biophysics | 710 | 751 | 877 | 953 | 1,032 | 1,180 | 1,183 | 1,203 |
| Botany | 1,974 | 1,904 | 1,921 | 1,973 | 1,901 | 1,831 | 1,860 | 1,850 |
| Cell and molecular biology | 4,637 | 4,820 | 4,911 | 5,375 | 5,689 | 5,830 | 6,177 | 6,553 |
| Ecology | 1,704 | 1,762 | 1,888 | 1,967 | 2,230 | 2,185 | 2,165 | 2,162 |
| Entomology and parasitology | 1,145 | 1,104 | 1,170 | 1,191 | 1,206 | 1,241 | 1,126 | 1,114 |
| Genetics | 1,783 | 1,712 | 1,841 | 1,909 | 2,073 | 2,129 | 2,155 | 2,154 |
| Microbiology, immunology, and virology | 4,815 | 4,814 | 4,798 | 5,208 | 5,256 | 5,375 | 5,401 | 5,324 |
| Nutrition | 4,508 | 4,413 | 4,429 | 4,539 | 4,695 | 4,771 | 4,817 | 5,042 |
| Pathology | 1,580 | 1,531 | 1,637 | 1,613 | 1,541 | 1,557 | 1,593 | 1,612 |
| Pharmacology | 2,757 | 2,963 | 3,140 | 3,234 | 3,357 | 3,122 | 3,114 | 2,985 |
| Physiology | 2,083 | 2,015 | 1,967 | 2,076 | 2,328 | 2,409 | 2,399 | 2,416 |
| Zoology | 1,523 | 1,445 | 1,411 | 1,349 | 1,301 | 1,236 | 1,264 | 1,145 |
| Other | 4,197 | 4,265 | 4,828 | 5,712 | 6,423 | 7,058 | 7,987 | 8,344 |
| Computer sciences | 42,478 | 47,350 | 52,196 | 55,269 | 53,696 | 50,016 | 47,978 | 47,653 |
| Earth, atmospheric, and ocean sciences | 14,083 | 13,941 | 13,841 | 14,240 | 14,620 | 15,131 | 14,836 | 14,920 |
| Atmospheric | 913 | 963 | 924 | 1,036 | 1,150 | 1,086 | 1,146 | 1,079 |
| Earth | 6,637 | 6,596 | 6,544 | 6,712 | 6,889 | 7,358 | 7,212 | 7,177 |
| Ocean | 2,624 | 2,668 | 2,585 | 2,618 | 2,695 | 2,801 | 2,760 | 2,770 |
| Other | 3,909 | 3,714 | 3,788 | 3,874 | 3,886 | 3,886 | 3,718 | 3,894 |
| Mathematics and statistics | 16,257 | 15,650 | 16,651 | 18,163 | 19,465 | 19,931 | 20,210 | 20,815 |
| Mathematics/applied mathematics | 13,521 | 12,823 | 13,569 | 14,702 | 15,569 | 15,964 | 16,106 | 16,649 |
| Statistics | 2,736 | 2,827 | 3,082 | 3,461 | 3,896 | 3,967 | 4,104 | 4,166 |
| Physical sciences | 30,691 | 30,385 | 31,038 | 32,341 | 34,298 | 35,761 | 36,375 | 36,901 |
| Astronomy | 832 | 888 | 916 | 990 | 1,080 | 1,119 | 1,191 | 1,211 |
| Chemistry | 18,416 | 18,105 | 18,366 | 19,045 | 20,049 | 20,776 | 21,101 | 21,351 |
| Physics | 10,869 | 10,841 | 11,248 | 11,701 | 12,555 | 13,298 | 13,472 | 13,722 |
| Other | 574 | 551 | 508 | 605 | 614 | 568 | 611 | 617 |
| Psychology | 51,727 | 50,466 | 50,454 | 51,152 | 52,162 | 54,126 | 57,282 | 57,653 |
| Clinical | 12,798 | 12,488 | 12,488 | 12,609 | 13,118 | 13,771 | 14,283 | 13,947 |
| General | 16,071 | 15,429 | 15,638 | 14,969 | 15,364 | 16,089 | 16,620 | 16,622 |
| Nonclinical | 22,858 | 22,549 | 22,328 | 23,574 | 23,680 | 24,266 | 26,379 | 27,084 |
| Social sciences | 84,984 | 83,327 | 85,682 | 90,215 | 95,129 | 97,332 | 99,427 | 102,347 |
| Agricultural economics | 2,014 | 2,079 | 2,161 | 2,187 | 2,318 | 2,195 | 2,127 | 2,158 |
| Anthropology (cultural and social) | 7,633 | 7,626 | 7,491 | 7,481 | 7,789 | 7,826 | 7,750 | 8,150 |
| Economics | 10,562 | 10,748 | 11,408 | 12,009 | 12,316 | 12,318 | 11,805 | 12,132 |
| Geography | 4,250 | 4,036 | 4,304 | 4,383 | 4,721 | 4,809 | 4,800 | 4,750 |
| History and philosophy of science | 557 | 532 | 571 | 663 | 737 | 994 | 965 | 968 |
| Linguistics | 2,799 | 2,674 | 2,744 | 2,875 | 3,028 | 2,941 | 3,187 | 3,074 |
| Political science and public administration | 31,372 | 31,131 | 31,805 | 34,934 | 36,880 | 39,023 | 40,780 | 41,784 |
| Sociology | 9,707 | 9,397 | 9,620 | 9,665 | 9,900 | 9,713 | 9,866 | 9,872 |
| Other | 16,090 | 15,104 | 15,578 | 16,018 | 17,440 | 17,513 | 18,147 | 19,459 |
| Engineering | 101,691 | 104,112 | 109,493 | 119,668 | 127,377 | 123,566 | 120,565 | 123,041 |
| Aerospace | 3,349 | 3,407 | 3,451 | 3,685 | 4,048 | 4,089 | 4,170 | 4,482 |
| Agricultural | 986 | 943 | 947 | 952 | 1,058 | 1,041 | 1,059 | 1,073 |
| Biomedical | 3,069 | 3,197 | 3,599 | 4,338 | 5,301 | 5,807 | 6,067 | 6,482 |
| Chemical | 6,883 | 7,056 | 6,913 | 7,414 | 7,516 | 7,452 | 7,173 | 7,261 |
| Civil | 16,226 | 16,451 | 16,665 | 17,713 | 18,890 | 18,561 | 18,114 | 17,802 |
| Electrical | 31,822 | 33,611 | 36,100 | 39,948 | 41,763 | 38,995 | 37,450 | 38,265 |
| Engineering science/physics | 1,627 | 1,632 | 1,798 | 2,121 | 2,240 | 2,198 | 1,951 | 2,046 |
| Industrial/manufacturing | 11,803 | 12,119 | 12,940 | 14,033 | 14,313 | 13,852 | 13,650 | 13,829 |
| Mechanical | 14,956 | 15,235 | 15,852 | 17,139 | 18,393 | 17,852 | 17,373 | 17,919 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Metallurgical and materials | 4,481 | 4,377 | 4,721 | 4,992 | 5,131 | 5,059 | 5,160 | 5,268 |
| Mining | 328 | 287 | 240 | 267 | 278 | 308 | 279 | 244 |
| Nuclear | 830 | 792 | 801 | 795 | 885 | 971 | 1,013 | 1,099 |
| Petroleum | 642 | 627 | 656 | 766 | 849 | 845 | 808 | 813 |
| Other | 4,689 | 4,378 | 4,810 | 5,505 | 6,712 | 6,536 | 6,298 | 6,458 |
| U.S. citizens and permanent residents | 301,254 | 290,651 | 294,608 | 309,119 | 327,181 | 332,022 | 338,513 | 343,603 |
| Science | 241,066 | 234,000 | 237,718 | 247,842 | 259,871 | 265,643 | 271,962 | 275,905 |
| Agricultural sciences | 9,774 | 9,612 | 9,722 | 10,085 | 10,601 | 10,750 | 10,464 | 10,341 |
| Biological sciences | 45,770 | 44,521 | 45,196 | 47,253 | 49,865 | 50,734 | 52,012 | 53,034 |
| Anatomy | 596 | 618 | 559 | 707 | 705 | 718 | 743 | 746 |
| Biochemistry | 3,646 | 3,377 | 3,332 | 3,459 | 3,655 | 3,615 | 3,725 | 3,737 |
| Biology | 11,997 | 11,353 | 11,159 | 11,377 | 12,201 | 12,657 | 12,662 | 13,231 |
| Biometry and epidemiology | 2,953 | 2,794 | 2,914 | 2,972 | 3,243 | 3,462 | 3,603 | 3,553 |
| Biophysics | 556 | 547 | 614 | 654 | 713 | 805 | 808 | 818 |
| Botany | 1,386 | 1,320 | 1,347 | 1,355 | 1,317 | 1,229 | 1,195 | 1,148 |
| Cell and molecular biology | 3,739 | 3,789 | 3,778 | 4,113 | 4,257 | 4,205 | 4,489 | 4,729 |
| Ecology | 1,530 | 1,576 | 1,694 | 1,749 | 1,958 | 1,913 | 1,916 | 1,905 |
| Entomology and parasitology | 843 | 824 | 895 | 908 | 920 | 938 | 844 | 824 |
| Genetics | 1,400 | 1,335 | 1,399 | 1,476 | 1,558 | 1,564 | 1,565 | 1,556 |
| Microbiology, immunology, and virology | 3,872 | 3,879 | 3,794 | 4,011 | 4,113 | 4,147 | 4,181 | 4,225 |
| Nutrition | 3,444 | 3,297 | 3,269 | 3,377 | 3,495 | 3,595 | 3,666 | 3,850 |
| Pathology | 1,285 | 1,230 | 1,344 | 1,314 | 1,210 | 1,241 | 1,253 | 1,292 |
| Pharmacology | 2,188 | 2,338 | 2,492 | 2,554 | 2,584 | 2,318 | 2,261 | 2,243 |
| Physiology | 1,629 | 1,569 | 1,536 | 1,622 | 1,807 | 1,890 | 1,933 | 1,953 |
| Zoology | 1,364 | 1,271 | 1,210 | 1,130 | 1,121 | 1,054 | 1,053 | 948 |
| Other | 3,342 | 3,404 | 3,860 | 4,475 | 5,008 | 5,383 | 6,115 | 6,276 |
| Computer sciences | 25,323 | 25,088 | 26,142 | 28,203 | 29,420 | 28,261 | 27,409 | 26,675 |
| Earth, atmospheric, and ocean sciences | 11,563 | 11,249 | 11,059 | 11,463 | 11,837 | 12,337 | 12,058 | 12,153 |
| Atmospheric | 639 | 659 | 639 | 721 | 861 | 813 | 849 | 821 |
| Earth | 5,413 | 5,294 | 5,189 | 5,333 | 5,456 | 5,906 | 5,785 | 5,749 |
| Ocean | 2,108 | 2,142 | 2,071 | 2,152 | 2,206 | 2,304 | 2,270 | 2,267 |
| Other | 3,403 | 3,154 | 3,160 | 3,257 | 3,314 | 3,314 | 3,154 | 3,316 |
| Mathematics and statistics | 10,330 | 9,593 | 10,167 | 11,139 | 12,057 | 12,524 | 12,768 | 13,219 |
| Mathematics/applied mathematics | 8,861 | 8,146 | 8,722 | 9,488 | 10,264 | 10,640 | 10,825 | 11,290 |
| Statistics | 1,469 | 1,447 | 1,445 | 1,651 | 1,793 | 1,884 | 1,943 | 1,929 |
| Physical sciences | 19,559 | 18,730 | 18,835 | 19,251 | 20,171 | 21,148 | 21,675 | 22,144 |
| Astronomy | 593 | 617 | 633 | 687 | 747 | 749 | 828 | 845 |
| Chemistry | 12,331 | 11,883 | 11,797 | 11,792 | 12,168 | 12,637 | 12,833 | 13,050 |
| Physics | 6,140 | 5,757 | 5,991 | 6,259 | 6,744 | 7,270 | 7,473 | 7,722 |
| Other | 495 | 473 | 414 | 513 | 512 | 492 | 541 | 527 |
| Psychology | 49,488 | 48,203 | 47,933 | 48,295 | 49,055 | 50,932 | 54,228 | 54,802 |
| Clinical | 12,402 | 12,098 | 12,060 | 12,014 | 12,499 | 13,327 | 13,781 | 13,506 |
| General | 15,351 | 14,617 | 14,705 | 13,990 | 14,263 | 14,717 | 15,471 | 15,606 |
| Nonclinical | 21,735 | 21,488 | 21,168 | 22,291 | 22,293 | 22,888 | 24,976 | 25,690 |
| Social sciences | 69,259 | 67,004 | 68,664 | 72,153 | 76,865 | 78,957 | 81,348 | 83,537 |
| Agricultural economics | 1,089 | 1,065 | 1,109 | 1,141 | 1,221 | 1,202 | 1,162 | 1,176 |
| Anthropology (cultural and social) | 6,810 | 6,797 | 6,722 | 6,634 | 6,967 | 6,966 | 6,892 | 7,225 |
| Economics | 5,029 | 4,941 | 5,124 | 5,389 | 5,699 | 5,736 | 5,428 | 5,634 |
| Geography | 3,652 | 3,408 | 3,579 | 3,636 | 3,937 | 4,019 | 4,016 | 3,987 |
| History and philosophy of science | 498 | 463 | 501 | 595 | 668 | 925 | 886 | 881 |
| Linguistics | 1,837 | 1,714 | 1,782 | 1,893 | 2,065 | 1,936 | 2,257 | 2,124 |
| Political science and public administration | 27,453 | 26,972 | 27,582 | 30,280 | 32,003 | 34,054 | 35,895 | 36,477 |
| Sociology | 8,449 | 8,065 | 8,228 | 8,275 | 8,485 | 8,356 | 8,481 | 8,493 |
| Other | 14,442 | 13,579 | 14,037 | 14,310 | 15,820 | 15,763 | 16,331 | 17,540 |
| Engineering | 60,188 | 56,651 | 56,890 | 61,277 | 67,310 | 66,379 | 66,551 | 67,698 |
| Aerospace | 1,817 | 1,894 | 1,805 | 1,999 | 2,361 | 2,401 | 2,528 | 2,998 |
| Agricultural | 562 | 546 | 530 | 529 | 568 | 556 | 538 | 524 |
| Biomedical | 2,218 | 2,248 | 2,470 | 2,822 | 3,397 | 3,675 | 3,921 | 4,298 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemical | 3,869 | 3,711 | 3,398 | 3,686 | 3,736 | 3,753 | 3,675 | 3,685 |
| Civil | 10,801 | 10,306 | 10,072 | 10,553 | 11,458 | 11,436 | 11,415 | 11,421 |
| Electrical | 16,517 | 15,315 | 15,534 | 16,579 | 18,118 | 16,878 | 16,662 | 16,166 |
| Engineering science/physics | 1,093 | 955 | 1,054 | 1,239 | 1,230 | 1,187 | 1,096 | 1,170 |
| Industrial/manufacturing | 8,073 | 7,574 | 7,588 | 8,290 | 8,820 | 8,763 | 9,071 | 9,249 |
| Mechanical | 8,760 | 8,052 | 8,141 | 8,562 | 9,602 | 9,724 | 9,719 | 10,205 |
| Metallurgical and materials | 2,438 | 2,265 | 2,385 | 2,482 | 2,546 | 2,501 | 2,518 | 2,690 |
| Mining | 219 | 155 | 136 | 165 | 167 | 189 | 161 | 129 |
| Nuclear | 498 | 457 | 445 | 464 | 532 | 616 | 674 | 780 |
| Petroleum | 148 | 265 | 267 | 298 | 174 | 194 | 192 | 195 |
| Other | 3,175 | 2,908 | 3,065 | 3,609 | 4,601 | 4,506 | 4,381 | 4,188 |
| White | 216,750 | 205,569 | 206,018 | 213,135 | 222,674 | 224,850 | 225,776 | 227,993 |
| Science | 174,687 | 166,486 | 167,559 | 172,576 | 179,205 | 181,615 | 182,908 | 184,700 |
| Agricultural sciences | 8,383 | 8,152 | 8,147 | 8,486 | 8,799 | 8,936 | 8,662 | 8,384 |
| Biological sciences | 34,319 | 33,255 | 33,193 | 34,568 | 35,809 | 36,053 | 36,627 | 37,163 |
| Anatomy | 447 | 470 | 440 | 507 | 503 | 491 | 523 | 523 |
| Biochemistry | 2,665 | 2,532 | 2,373 | 2,509 | 2,515 | 2,573 | 2,582 | 2,629 |
| Biology | 8,929 | 8,447 | 8,309 | 8,468 | 8,921 | 9,147 | 9,112 | 9,349 |
| Biometry and epidemiology | 2,022 | 1,851 | 1,920 | 1,964 | 2,155 | 2,237 | 2,227 | 2,208 |
| Biophysics | 383 | 374 | 425 | 460 | 502 | 586 | 562 | 592 |
| Botany | 1,189 | 1,133 | 1,122 | 1,087 | 1,065 | 968 | 966 | 904 |
| Cell and molecular biology | 2,773 | 2,708 | 2,628 | 2,816 | 2,860 | 2,876 | 2,986 | 3,129 |
| Ecology | 1,363 | 1,360 | 1,466 | 1,507 | 1,634 | 1,597 | 1,593 | 1,556 |
| Entomology and parasitology | 757 | 733 | 764 | 794 | 800 | 816 | 713 | 689 |
| Genetics | 1,022 | 977 | 1,029 | 1,084 | 1,107 | 1,132 | 1,164 | 1,146 |
| Microbiology, immunology, and virology | 2,791 | 2,799 | 2,658 | 2,814 | 2,832 | 2,865 | 2,857 | 2,890 |
| Nutrition | 2,667 | 2,566 | 2,445 | 2,546 | 2,575 | 2,559 | 2,593 | 2,809 |
| Pathology | 926 | 906 | 962 | 937 | 834 | 874 | 890 | 919 |
| Pharmacology | 1,589 | 1,731 | 1,779 | 1,795 | 1,809 | 1,567 | 1,514 | 1,469 |
| Physiology | 1,119 | 1,064 | 1,035 | 1,086 | 1,210 | 1,218 | 1,264 | 1,270 |
| Zoology | 1,240 | 1,147 | 1,088 | 1,006 | 985 | 932 | 922 | 829 |
| Other | 2,437 | 2,457 | 2,750 | 3,188 | 3,502 | 3,615 | 4,159 | 4,252 |
| Computer sciences | 14,377 | 14,468 | 15,057 | 15,962 | 17,260 | 16,938 | 16,555 | 15,943 |
| Earth, atmospheric, and ocean sciences | 10,007 | 9,812 | 9,573 | 9,799 | 9,963 | 10,342 | 10,126 | 10,116 |
| Atmospheric | 552 | 557 | 547 | 623 | 713 | 663 | 697 | 690 |
| Earth | 4,796 | 4,720 | 4,603 | 4,639 | 4,691 | 5,111 | 5,010 | 4,896 |
| Ocean | 1,815 | 1,872 | 1,769 | 1,845 | 1,871 | 1,933 | 1,896 | 1,898 |
| Other | 2,844 | 2,663 | 2,654 | 2,692 | 2,688 | 2,635 | 2,523 | 2,632 |
| Mathematics and statistics | 7,659 | 6,955 | 7,386 | 7,923 | 8,414 | 8,859 | 8,916 | 9,201 |
| Mathematics/applied mathematics | 6,560 | 5,905 | 6,313 | 6,758 | 7,130 | 7,601 | 7,662 | 7,917 |
| Statistics | 1,099 | 1,050 | 1,073 | 1,165 | 1,284 | 1,258 | 1,254 | 1,284 |
| Physical sciences | 15,037 | 14,343 | 14,248 | 14,620 | 15,107 | 15,726 | 16,299 | 16,325 |
| Astronomy | 511 | 523 | 527 | 570 | 610 | 631 | 677 | 683 |
| Chemistry | 9,394 | 9,028 | 8,977 | 8,926 | 8,955 | 9,171 | 9,435 | 9,314 |
| Physics | 4,840 | 4,514 | 4,485 | 4,789 | 5,209 | 5,600 | 5,765 | 5,937 |
| Other | 292 | 278 | 259 | 335 | 333 | 324 | 422 | 391 |
| Psychology | 36,267 | 33,801 | 33,569 | 33,464 | 33,552 | 33,580 | 34,359 | 35,045 |
| Clinical | 9,212 | 8,662 | 8,361 | 8,185 | 8,472 | 8,632 | 8,608 | 8,610 |
| General | 11,409 | 10,446 | 10,503 | 10,080 | 9,975 | 10,037 | 10,584 | 10,545 |
| Nonclinical | 15,646 | 14,693 | 14,705 | 15,199 | 15,105 | 14,911 | 15,167 | 15,890 |
| Social sciences | 48,638 | 45,700 | 46,386 | 47,754 | 50,301 | 51,181 | 51,364 | 52,523 |
| Agricultural economics | 881 | 866 | 888 | 914 | 998 | 965 | 912 | 911 |
| Anthropology (cultural and social) | 5,440 | 5,311 | 5,190 | 5,153 | 5,316 | 5,258 | 5,097 | 5,287 |
| Economics | 3,595 | 3,448 | 3,504 | 3,567 | 3,780 | 3,854 | 3,713 | 3,768 |
| Geography | 3,131 | 2,906 | 3,048 | 3,068 | 3,255 | 3,314 | 3,273 | 3,220 |
| History and philosophy of science | 424 | 386 | 414 | 426 | 514 | 700 | 679 | 673 |
| Linguistics | 1,375 | 1,237 | 1,293 | 1,335 | 1,418 | 1,349 | 1,540 | 1,503 |
| Political science and public administration | 18,317 | 17,401 | 17,635 | 18,785 | 19,525 | 20,468 | 20,966 | 21,242 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 5,796 | 5,445 | 5,590 | 5,549 | 5,602 | 5,535 | 5,560 | 5,597 |
| Other | 9,679 | 8,700 | 8,824 | 8,957 | 9,893 | 9,738 | 9,624 | 10,322 |
| Engineering | 42,063 | 39,083 | 38,459 | 40,559 | 43,469 | 43,235 | 42,868 | 43,293 |
| Aerospace | 1,437 | 1,451 | 1,434 | 1,512 | 1,747 | 1,791 | 1,844 | 1,969 |
| Agricultural | 454 | 429 | 402 | 427 | 464 | 463 | 441 | 425 |
| Biomedical | 1,633 | 1,602 | 1,668 | 1,894 | 2,163 | 2,314 | 2,424 | 2,626 |
| Chemical | 2,805 | 2,627 | 2,417 | 2,565 | 2,554 | 2,666 | 2,561 | 2,556 |
| Civil | 8,088 | 7,759 | 7,492 | 7,707 | 8,333 | 8,270 | 8,139 | 7,971 |
| Electrical | 9,897 | 8,982 | 8,876 | 9,121 | 9,709 | 9,444 | 9,150 | 8,875 |
| Engineering science/physics | 787 | 673 | 717 | 893 | 928 | 865 | 793 | 830 |
| Industrial/manufacturing | 5,761 | 5,329 | 5,255 | 5,668 | 5,680 | 5,484 | 5,658 | 5,586 |
| Mechanical | 6,491 | 6,005 | 5,932 | 6,254 | 6,883 | 6,998 | 6,898 | 7,337 |
| Metallurgical and materials | 1,935 | 1,751 | 1,839 | 1,882 | 1,909 | 1,815 | 1,859 | 1,926 |
| Mining | 162 | 133 | 115 | 136 | 138 | 157 | 121 | 108 |
| Nuclear | 424 | 382 | 364 | 383 | 439 | 492 | 534 | 603 |
| Petroleum | 124 | 110 | 112 | 121 | 125 | 123 | 114 | 117 |
| Other | 2,065 | 1,850 | 1,836 | 1,996 | 2,397 | 2,353 | 2,332 | 2,364 |
| Asian/Pacific Islander | 27,570 | 24,998 | 26,494 | 29,229 | 31,786 | 30,645 | 30,574 | 30,179 |
| Science | 19,409 | 17,784 | 18,568 | 19,930 | 21,099 | 20,933 | 20,844 | 21,000 |
| Agricultural sciences | 310 | 250 | 262 | 286 | 316 | 329 | 290 | 338 |
| Biological sciences | 4,476 | 4,246 | 4,701 | 4,826 | 5,158 | 5,277 | 5,420 | 5,709 |
| Anatomy | 71 | 74 | 63 | 92 | 91 | 100 | 85 | 85 |
| Biochemistry | 541 | 423 | 477 | 412 | 466 | 444 | 458 | 466 |
| Biology | 793 | 721 | 725 | 731 | 819 | 893 | 871 | 1,038 |
| Biometry and epidemiology | 387 | 424 | 444 | 497 | 488 | 554 | 581 | 587 |
| Biophysics | 100 | 101 | 129 | 119 | 126 | 113 | 131 | 113 |
| Botany | 73 | 73 | 94 | 119 | 108 | 94 | 76 | 84 |
| Cell and molecular biology | 496 | 508 | 527 | 584 | 601 | 563 | 668 | 702 |
| Ecology | 45 | 42 | 47 | 43 | 55 | 51 | 53 | 62 |
| Entomology and parasitology | 19 | 24 | 46 | 27 | 29 | 34 | 28 | 30 |
| Genetics | 161 | 109 | 138 | 159 | 193 | 172 | 157 | 173 |
| Microbiology, immunology, and virology | 412 | 417 | 479 | 467 | 492 | 487 | 487 | 507 |
| Nutrition | 255 | 224 | 254 | 246 | 299 | 304 | 333 | 297 |
| Pathology | 180 | 155 | 181 | 188 | 183 | 183 | 161 | 166 |
| Pharmacology | 288 | 289 | 365 | 374 | 341 | 305 | 307 | 330 |
| Physiology | 276 | 268 | 288 | 309 | 331 | 383 | 372 | 324 |
| Zoology | 33 | 27 | 32 | 29 | 31 | 40 | 35 | 29 |
| Other | 346 | 367 | 412 | 430 | 505 | 557 | 617 | 716 |
| Computer sciences | 6,144 | 5,332 | 5,427 | 5,953 | 5,767 | 5,102 | 4,573 | 4,222 |
| Earth, atmospheric, and ocean sciences | 400 | 351 | 341 | 346 | 355 | 428 | 400 | 389 |
| Atmospheric | 41 | 41 | 26 | 22 | 46 | 53 | 44 | 35 |
| Earth | 144 | 132 | 139 | 149 | 126 | 149 | 136 | 141 |
| Ocean | 67 | 64 | 51 | 64 | 48 | 69 | 65 | 57 |
| Other | 148 | 114 | 125 | 111 | 135 | 157 | 155 | 156 |
| Mathematics and statistics | 1,002 | 948 | 985 | 1,184 | 1,364 | 1,298 | 1,372 | 1,413 |
| Mathematics/applied mathematics | 799 | 742 | 826 | 958 | 1,124 | 1,004 | 1,030 | 1,087 |
| Statistics | 203 | 206 | 159 | 226 | 240 | 294 | 342 | 326 |
| Physical sciences | 1,682 | 1,524 | 1,458 | 1,424 | 1,577 | 1,678 | 1,631 | 1,753 |
| Astronomy | 31 | 33 | 36 | 44 | 53 | 38 | 46 | 54 |
| Chemistry | 1,133 | 1,079 | 983 | 950 | 1,061 | 1,123 | 1,093 | 1,173 |
| Physics | 490 | 393 | 422 | 405 | 431 | 492 | 470 | 500 |
| Other | 28 | 19 | 17 | 25 | 32 | 25 | 22 | 26 |
| Psychology | 2,038 | 2,063 | 2,176 | 2,186 | 2,374 | 2,443 | 2,551 | 2,612 |
| Clinical | 579 | 569 | 578 | 554 | 610 | 671 | 670 | 663 |
| General | 672 | 710 | 737 | 667 | 785 | 812 | 868 | 860 |
| Nonclinical | 787 | 784 | 861 | 965 | 979 | 960 | 1,013 | 1,089 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Social sciences | 3,357 | 3,070 | 3,218 | 3,725 | 4,188 | 4,378 | 4,607 | 4,564 |
| Agricultural economics | 53 | 30 | 29 | 39 | 39 | 45 | 43 | 52 |
| Anthropology (cultural and social) | 256 | 260 | 253 | 252 | 283 | 294 | 308 | 311 |
| Economics | 597 | 476 | 495 | 584 | 655 | 618 | 593 | 600 |
| Geography | 101 | 85 | 99 | 114 | 140 | 144 | 154 | 166 |
| History and philosophy of science | 20 | 20 | 21 | 28 | 29 | 48 | 36 | 35 |
| Linguistics | 148 | 106 | 154 | 183 | 215 | 176 | 247 | 177 |
| Political science and public administration | 1,163 | 1,206 | 1,225 | 1,489 | 1,622 | 1,784 | 1,950 | 1,970 |
| Sociology | 406 | 367 | 374 | 387 | 456 | 402 | 397 | 433 |
| Other | 613 | 520 | 568 | 649 | 749 | 867 | 879 | 820 |
| Engineering | 8,161 | 7,214 | 7,926 | 9,299 | 10,687 | 9,712 | 9,730 | 9,179 |
| Aerospace | 153 | 206 | 138 | 186 | 207 | 212 | 251 | 312 |
| Agricultural | 41 | 38 | 45 | 40 | 36 | 47 | 37 | 34 |
| Biomedical | 308 | 361 | 426 | 495 | 643 | 742 | 795 | 877 |
| Chemical | 486 | 486 | 474 | 551 | 540 | 453 | 493 | 496 |
| Civil | 931 | 744 | 771 | 855 | 1,024 | 997 | 1,006 | 957 |
| Electrical | 3,491 | 3,119 | 3,454 | 4,079 | 4,606 | 3,823 | 3,762 | 3,414 |
| Engineering science/physics | 170 | 103 | 123 | 161 | 152 | 163 | 143 | 159 |
| Industrial/manufacturing | 784 | 628 | 667 | 850 | 998 | 929 | 1,026 | 1,010 |
| Mechanical | 1,008 | 759 | 903 | 870 | 994 | 973 | 962 | 940 |
| Metallurgical and materials | 240 | 246 | 244 | 298 | 316 | 346 | 315 | 337 |
| Mining | 50 | 11 | 12 | 21 | 5 | 6 | 6 | 1 |
| Nuclear | 22 | 24 | 27 | 31 | 30 | 42 | 47 | 45 |
| Petroleum | 11 | 38 | 39 | 44 | 12 | 24 | 21 | 15 |
| Other | 466 | 451 | 603 | 818 | 1,124 | 955 | 866 | 582 |
| Black | 20,273 | 20,834 | 21,455 | 22,668 | 24,174 | 24,624 | 25,248 | 25,664 |
| Science | 17,308 | 17,857 | 18,540 | 19,594 | 20,962 | 21,225 | 21,778 | 22,092 |
| Agricultural sciences | 310 | 292 | 327 | 375 | 460 | 394 | 417 | 453 |
| Biological sciences | 2,218 | 2,241 | 2,351 | 2,479 | 2,757 | 2,902 | 2,991 | 3,071 |
| Anatomy | 31 | 31 | 20 | 37 | 37 | 50 | 48 | 40 |
| Biochemistry | 140 | 144 | 129 | 123 | 159 | 156 | 169 | 180 |
| Biology | 744 | 745 | 755 | 690 | 796 | 786 | 795 | 840 |
| Biometry and epidemiology | 188 | 164 | 176 | 201 | 229 | 263 | 282 | 276 |
| Biophysics | 17 | 17 | 17 | 18 | 17 | 23 | 24 | 29 |
| Botany | 22 | 16 | 24 | 29 | 26 | 18 | 17 | 24 |
| Cell and molecular biology | 114 | 135 | 143 | 160 | 168 | 186 | 176 | 208 |
| Ecology | 22 | 24 | 26 | 24 | 43 | 27 | 28 | 27 |
| Entomology and parasitology | 17 | 14 | 15 | 17 | 15 | 11 | 14 | 19 |
| Genetics | 55 | 57 | 56 | 60 | 75 | 68 | 70 | 66 |
| Microbiology, immunology, and virology | 186 | 191 | 178 | 218 | 245 | 244 | 255 | 259 |
| Nutrition | 218 | 208 | 231 | 252 | 246 | 297 | 274 | 263 |
| Pathology | 49 | 44 | 51 | 52 | 56 | 62 | 70 | 78 |
| Pharmacology | 151 | 147 | 169 | 173 | 185 | 193 | 184 | 164 |
| Physiology | 78 | 102 | 98 | 94 | 102 | 105 | 97 | 108 |
| Zoology | 16 | 13 | 10 | 16 | 11 | 11 | 12 | 12 |
| Other | 170 | 189 | 253 | 315 | 347 | 402 | 476 | 478 |
| Computer sciences | 1,485 | 1,512 | 1,709 | 1,898 | 1,951 | 1,799 | 1,761 | 1,774 |
| Earth, atmospheric, and ocean sciences | 213 | 220 | 227 | 266 | 270 | 261 | 262 | 263 |
| Atmospheric | 7 | 18 | 19 | 25 | 32 | 36 | 30 | 26 |
| Earth | 62 | 56 | 57 | 64 | 75 | 84 | 82 | 71 |
| Ocean | 28 | 28 | 31 | 36 | 35 | 30 | 37 | 41 |
| Other | 116 | 118 | 120 | 141 | 128 | 111 | 113 | 125 |
| Mathematics and statistics | 594 | 572 | 590 | 626 | 655 | 696 | 720 | 711 |
| Mathematics/applied mathematics | 543 | 509 | 525 | 546 | 561 | 583 | 616 | 607 |
| Statistics | 51 | 63 | 65 | 80 | 94 | 113 | 104 | 104 |
| Physical sciences | 903 | 918 | 875 | 893 | 939 | 993 | 1,006 | 1,009 |
| Astronomy | 9 | 9 | 12 | 10 | 9 | 10 | 10 | 11 |
| Chemistry | 633 | 650 | 631 | 636 | 663 | 711 | 692 | 732 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Physics | 234 | 235 | 211 | 220 | 236 | 248 | 272 | 229 |
| Other | 27 | 24 | 21 | 27 | 31 | 24 | 32 | 37 |
| Psychology | 3,749 | 4,214 | 4,343 | 4,487 | 4,692 | 4,990 | 5,238 | 5,089 |
| Clinical | 710 | 756 | 740 | 786 | 853 | 895 | 872 | 870 |
| General | 1,385 | 1,413 | 1,439 | 1,484 | 1,536 | 1,785 | 1,658 | 1,536 |
| Nonclinical | 1,654 | 2,045 | 2,164 | 2,217 | 2,303 | 2,310 | 2,708 | 2,683 |
| Social sciences | 7,836 | 7,888 | 8,118 | 8,570 | 9,238 | 9,190 | 9,383 | 9,722 |
| Agricultural economics | 84 | 80 | 76 | 83 | 78 | 52 | 65 | 67 |
| Anthropology (cultural and social) | 291 | 270 | 274 | 248 | 276 | 272 | 277 | 278 |
| Economics | 291 | 317 | 314 | 322 | 363 | 382 | 319 | 355 |
| Geography | 92 | 86 | 114 | 112 | 141 | 150 | 160 | 154 |
| History and philosophy of science | 14 | 14 | 16 | 24 | 25 | 30 | 42 | 31 |
| Linguistics | 49 | 44 | 47 | 44 | 49 | 47 | 64 | 46 |
| Political science and public administration | 4,097 | 4,073 | 4,264 | 4,632 | 4,849 | 4,917 | 4,932 | 5,063 |
| Sociology | 1,159 | 1,098 | 1,132 | 1,132 | 1,201 | 1,164 | 1,194 | 1,140 |
| Other | 1,759 | 1,906 | 1,881 | 1,973 | 2,256 | 2,176 | 2,330 | 2,588 |
| Engineering | 2,965 | 2,977 | 2,915 | 3,074 | 3,212 | 3,399 | 3,470 | 3,572 |
| Aerospace | 52 | 57 | 45 | 51 | 59 | 68 | 73 | 79 |
| Agricultural | 27 | 26 | 30 | 27 | 30 | 23 | 25 | 27 |
| Biomedical | 100 | 111 | 118 | 141 | 156 | 191 | 192 | 204 |
| Chemical | 147 | 168 | 167 | 160 | 173 | 169 | 146 | 149 |
| Civil | 450 | 448 | 431 | 453 | 428 | 453 | 456 | 508 |
| Electrical | 886 | 830 | 812 | 846 | 812 | 850 | 843 | 828 |
| Engineering science/physics | 35 | 34 | 33 | 36 | 42 | 38 | 36 | 44 |
| Industrial/manufacturing | 541 | 557 | 591 | 616 | 685 | 714 | 764 | 763 |
| Mechanical | 375 | 396 | 354 | 358 | 382 | 369 | 411 | 419 |
| Metallurgical and materials | 92 | 94 | 107 | 112 | 110 | 105 | 102 | 129 |
| Mining | 1 | 5 | 1 | 1 | 2 | 5 | 3 | 3 |
| Nuclear | 15 | 17 | 13 | 11 | 12 | 20 | 21 | 18 |
| Petroleum | 5 | 7 | 4 | 6 | 11 | 21 | 31 | 24 |
| Other | 239 | 227 | 209 | 256 | 310 | 373 | 367 | 377 |
| Hispanic | 16,520 | 17,203 | 17,974 | 19,634 | 21,241 | 22,212 | 23,387 | 24,140 |
| Science | 13,596 | 14,185 | 14,791 | 16,173 | 17,262 | 18,048 | 19,297 | 19,759 |
| Agricultural sciences | 422 | 440 | 425 | 406 | 490 | 524 | 506 | 535 |
| Biological sciences | 2,185 | 2,183 | 2,338 | 2,585 | 2,830 | 2,993 | 3,146 | 3,289 |
| Anatomy | 26 | 24 | 21 | 38 | 42 | 38 | 41 | 51 |
| Biochemistry | 152 | 144 | 171 | 184 | 229 | 212 | 243 | 254 |
| Biology | 676 | 708 | 700 | 786 | 807 | 829 | 874 | 932 |
| Biometry and epidemiology | 164 | 167 | 149 | 170 | 196 | 195 | 193 | 193 |
| Biophysics | 17 | 14 | 20 | 20 | 28 | 30 | 37 | 32 |
| Botany | 47 | 36 | 42 | 47 | 38 | 63 | 49 | 61 |
| Cell and molecular biology | 153 | 157 | 181 | 213 | 225 | 242 | 280 | 326 |
| Ecology | 41 | 51 | 58 | 59 | 54 | 65 | 71 | 80 |
| Entomology and parasitology | 27 | 31 | 39 | 35 | 41 | 38 | 47 | 42 |
| Genetics | 59 | 57 | 68 | 67 | 61 | 62 | 63 | 62 |
| Microbiology, immunology, and virology | 201 | 196 | 220 | 243 | 272 | 295 | 307 | 308 |
| Nutrition | 186 | 152 | 162 | 167 | 201 | 242 | 205 | 205 |
| Pathology | 56 | 54 | 67 | 62 | 63 | 62 | 59 | 59 |
| Pharmacology | 92 | 112 | 116 | 127 | 134 | 143 | 145 | 145 |
| Physiology | 84 | 65 | 60 | 66 | 81 | 94 | 104 | 115 |
| Zoology | 31 | 28 | 29 | 28 | 32 | 28 | 36 | 27 |
| Other | 173 | 187 | 235 | 273 | 326 | 355 | 392 | 397 |
| Computer sciences | 865 | 863 | 894 | 1,004 | 1,101 | 1,142 | 1,199 | 1,207 |
| Earth, atmospheric, and ocean sciences | 400 | 355 | 397 | 413 | 484 | 538 | 508 | 540 |
| Atmospheric | 7 | 12 | 15 | 16 | 21 | 27 | 36 | 30 |
| Earth | 154 | 136 | 155 | 163 | 187 | 217 | 206 | 217 |
| Ocean | 132 | 113 | 137 | 131 | 158 | 161 | 150 | 151 |
| Other | 107 | 94 | 90 | 103 | 118 | 133 | 116 | 142 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Mathematics and statistics | 447 | 460 | 482 | 542 | 604 | 625 | 633 | 695 |
| Mathematics/applied mathematics | 399 | 413 | 442 | 494 | 538 | 551 | 565 | 621 |
| Statistics | 48 | 47 | 40 | 48 | 66 | 74 | 68 | 74 |
| Physical sciences | 895 | 844 | 896 | 981 | 1,094 | 1,233 | 1,242 | 1,256 |
| Astronomy | 13 | 17 | 17 | 17 | 25 | 23 | 27 | 27 |
| Chemistry | 618 | 602 | 629 | 668 | 750 | 838 | 823 | 823 |
| Physics | 229 | 202 | 239 | 274 | 297 | 343 | 358 | 374 |
| Other | 35 | 23 | 11 | 22 | 22 | 29 | 34 | 32 |
| Psychology | 3,567 | 4,145 | 4,309 | 4,655 | 4,677 | 4,791 | 5,101 | 5,222 |
| Clinical | 1,182 | 1,403 | 1,492 | 1,588 | 1,624 | 1,732 | 1,755 | 1,731 |
| General | 926 | 965 | 1,002 | 922 | 977 | 1,025 | 1,180 | 1,293 |
| Nonclinical | 1,459 | 1,777 | 1,815 | 2,145 | 2,076 | 2,034 | 2,166 | 2,198 |
| Social sciences | 4,815 | 4,895 | 5,050 | 5,587 | 5,982 | 6,202 | 6,962 | 7,015 |
| Agricultural economics | 36 | 39 | 40 | 30 | 42 | 50 | 54 | 53 |
| Anthropology (cultural and social) | 327 | 368 | 383 | 409 | 436 | 453 | 472 | 491 |
| Economics | 247 | 238 | 306 | 332 | 369 | 359 | 336 | 353 |
| Geography | 111 | 103 | 107 | 123 | 151 | 143 | 153 | 154 |
| History and philosophy of science | 22 | 17 | 18 | 55 | 38 | 56 | 60 | 64 |
| Linguistics | 135 | 142 | 126 | 140 | 136 | 148 | 163 | 125 |
| Political science and public administration | 2,166 | 2,303 | 2,223 | 2,587 | 2,749 | 2,960 | 3,298 | 3,235 |
| Sociology | 674 | 634 | 636 | 686 | 709 | 693 | 718 | 721 |
| Other | 1,097 | 1,051 | 1,211 | 1,225 | 1,352 | 1,340 | 1,708 | 1,819 |
| Engineering | 2,924 | 3,018 | 3,183 | 3,461 | 3,979 | 4,164 | 4,090 | 4,381 |
| Aerospace | 80 | 80 | 71 | 92 | 119 | 118 | 116 | 136 |
| Agricultural | 17 | 23 | 28 | 22 | 14 | 8 | 13 | 16 |
| Biomedical | 85 | 91 | 101 | 114 | 155 | 180 | 192 | 237 |
| Chemical | 182 | 182 | 180 | 206 | 249 | 249 | 240 | 277 |
| Civil | 701 | 776 | 747 | 778 | 846 | 898 | 896 | 967 |
| Electrical | 769 | 717 | 825 | 941 | 1,094 | 1,097 | 1,090 | 1,044 |
| Engineering science/physics | 44 | 36 | 40 | 47 | 49 | 45 | 43 | 46 |
| Industrial/manufacturing | 426 | 439 | 469 | 477 | 562 | 629 | 579 | 664 |
| Mechanical | 388 | 366 | 407 | 450 | 537 | 566 | 575 | 621 |
| Metallurgical and materials | 75 | 84 | 80 | 79 | 98 | 99 | 106 | 98 |
| Mining | 2 | 2 | 3 | 3 | 3 | 10 | 9 | 5 |
| Nuclear | 28 | 30 | 34 | 26 | 31 | 28 | 38 | 60 |
| Petroleum | 5 | 59 | 63 | 57 | 13 | 15 | 17 | 22 |
| Other | 122 | 133 | 135 | 169 | 209 | 222 | 176 | 188 |
| American Indian/Alaska Native | 1,553 | 1,602 | 1,683 | 1,734 | 1,879 | 1,848 | 1,958 | 2,112 |
| Science | 1,311 | 1,394 | 1,456 | 1,490 | 1,575 | 1,575 | 1,685 | 1,822 |
| Agricultural sciences | 69 | 56 | 58 | 76 | 77 | 82 | 76 | 85 |
| Biological sciences | 186 | 189 | 205 | 210 | 236 | 248 | 277 | 310 |
| Anatomy | 3 | 4 | 3 | 2 | 4 | 2 | 2 | 2 |
| Biochemistry | 6 | 8 | 15 | 8 | 11 | 10 | 15 | 22 |
| Biology | 59 | 58 | 52 | 50 | 56 | 53 | 67 | 67 |
| Biometry and epidemiology | 7 | 11 | 11 | 14 | 16 | 15 | 15 | 18 |
| Biophysics | 1 | 1 | 1 | 2 | 1 | 7 | 3 | 7 |
| Botany | 4 | 3 | 9 | 10 | 10 | 10 | 8 | 12 |
| Cell and molecular biology | 9 | 13 | 11 | 12 | 14 | 18 | 23 | 32 |
| Ecology | 5 | 5 | 8 | 6 | 10 | 12 | 11 | 10 |
| Entomology and parasitology | 1 | 1 | 2 | 5 | 4 | 6 | 9 | 8 |
| Genetics | 4 | 6 | 7 | 7 | 12 | 13 | 10 | 11 |
| Microbiology, immunology, and virology | 15 | 21 | 13 | 24 | 14 | 18 | 16 | 21 |
| Nutrition | 15 | 13 | 15 | 14 | 13 | 9 | 15 | 13 |
| Pathology | 7 | 6 | 11 | 3 | 3 | 5 | 8 | 4 |
| Pharmacology | 14 | 8 | 10 | 15 | 19 | 21 | 20 | 22 |
| Physiology | 8 | 3 | 7 | 8 | 11 | 13 | 12 | 10 |
| Zoology | 7 | 7 | 8 | 6 | 8 | 7 | 10 | 12 |
| Other | 21 | 21 | 22 | 24 | 30 | 29 | 33 | 39 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Computer sciences | 74 | 80 | 87 | 83 | 104 | 91 | 100 | 105 |
| Earth, atmospheric, and ocean sciences | 63 | 61 | 70 | 81 | 63 | 67 | 61 | 69 |
| Atmospheric | 2 | 3 | 4 | 4 | 5 | 4 | 3 | 1 |
| Earth | 26 | 27 | 32 | 36 | 26 | 33 | 29 | 36 |
| Ocean | 12 | 10 | 12 | 11 | 8 | 11 | 11 | 11 |
| Other | 23 | 21 | 22 | 30 | 24 | 19 | 18 | 21 |
| Mathematics and statistics | 30 | 25 | 38 | 24 | 25 | 39 | 38 | 59 |
| Mathematics/applied mathematics | 26 | 20 | 34 | 20 | 24 | 39 | 34 | 55 |
| Statistics | 4 | 5 | 4 | 4 | 1 | 0 | 4 | 4 |
| Physical sciences | 69 | 75 | 81 | 83 | 79 | 78 | 82 | 118 |
| Astronomy | 2 | 1 | 0 | 2 | 3 | 3 | 5 | 8 |
| Chemistry | 53 | 61 | 62 | 58 | 51 | 54 | 53 | 78 |
| Physics | 13 | 12 | 19 | 22 | 24 | 18 | 20 | 26 |
| Other | 1 | 1 | 0 | 1 | 1 | 3 | 4 | 6 |
| Psychology | 300 | 360 | 334 | 320 | 324 | 323 | 332 | 344 |
| Clinical | 93 | 104 | 92 | 101 | 107 | 93 | 88 | 83 |
| General | 96 | 124 | 104 | 87 | 93 | 103 | 99 | 105 |
| Nonclinical | 111 | 132 | 138 | 132 | 124 | 127 | 145 | 156 |
| Social sciences | 520 | 548 | 583 | 613 | 667 | 647 | 719 | 732 |
| Agricultural economics | 7 | 7 | 4 | 4 | 7 | 26 | 23 | 15 |
| Anthropology (cultural and social) | 105 | 109 | 102 | 89 | 99 | 106 | 123 | 145 |
| Economics | 13 | 17 | 21 | 28 | 31 | 30 | 19 | 18 |
| Geography | 14 | 20 | 28 | 26 | 22 | 24 | 34 | 34 |
| History and philosophy of science | 2 | 2 | 2 | 2 | 5 | 7 | 5 | 8 |
| Linguistics | 15 | 13 | 13 | 12 | 16 | 17 | 17 | 21 |
| Political science and public administration | 177 | 175 | 192 | 217 | 241 | 212 | 246 | 241 |
| Sociology | 75 | 75 | 82 | 82 | 83 | 71 | 68 | 65 |
| Other | 112 | 130 | 139 | 153 | 163 | 154 | 184 | 185 |
| Engineering | 242 | 208 | 227 | 244 | 304 | 273 | 273 | 290 |
| Aerospace | 8 | 8 | 8 | 11 | 15 | 16 | 13 | 10 |
| Agricultural | 1 | 3 | 3 | 2 | 2 | 1 | 3 | 5 |
| Biomedical | 8 | 5 | 5 | 6 | 7 | 15 | 13 | 18 |
| Chemical | 16 | 20 | 13 | 21 | 19 | 27 | 24 | 20 |
| Civil | 56 | 39 | 43 | 58 | 65 | 51 | 52 | 62 |
| Electrical | 47 | 37 | 45 | 39 | 63 | 54 | 54 | 46 |
| Engineering science/physics | 6 | 8 | 9 | 9 | 11 | 11 | 9 | 9 |
| Industrial/manufacturing | 39 | 41 | 43 | 34 | 52 | 48 | 51 | 55 |
| Mechanical | 33 | 27 | 32 | 32 | 42 | 24 | 28 | 32 |
| Metallurgical and materials | 10 | 5 | 8 | 11 | 8 | 6 | 5 | 8 |
| Mining | 0 | 1 | 0 | 3 | 4 | 1 | 0 | 1 |
| Nuclear | 2 | 1 | 0 | 2 | 1 | 3 | 3 | 2 |
| Petroleum | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other | 16 | 12 | 17 | 15 | 15 | 16 | 18 | 22 |
| Other or unknown race/ethnicity | 18,588 | 20,445 | 20,984 | 22,719 | 25,427 | 27,843 | 31,570 | 33,515 |
| Science | 14,755 | 16,294 | 16,804 | 18,079 | 19,768 | 22,247 | 25,450 | 26,532 |
| Agricultural sciences | 280 | 422 | 503 | 456 | 459 | 485 | 513 | 546 |
| Biological sciences | 2,386 | 2,407 | 2,408 | 2,585 | 3,075 | 3,261 | 3,551 | 3,492 |
| Anatomy | 18 | 15 | 12 | 31 | 28 | 37 | 44 | 45 |
| Biochemistry | 142 | 126 | 167 | 223 | 275 | 220 | 258 | 186 |
| Biology | 796 | 674 | 618 | 652 | 802 | 949 | 943 | 1,005 |
| Biometry and epidemiology | 185 | 177 | 214 | 126 | 159 | 198 | 305 | 271 |
| Biophysics | 38 | 40 | 22 | 35 | 39 | 46 | 51 | 45 |
| Botany | 51 | 59 | 56 | 63 | 70 | 76 | 79 | 63 |
| Cell and molecular biology | 194 | 268 | 288 | 328 | 389 | 320 | 356 | 332 |
| Ecology | 54 | 94 | 89 | 110 | 162 | 161 | 160 | 170 |
| Entomology and parasitology | 22 | 21 | 29 | 30 | 31 | 33 | 33 | 36 |
| Genetics | 99 | 129 | 101 | 99 | 110 | 117 | 101 | 98 |
| Microbiology, immunology, and virology | 267 | 255 | 246 | 245 | 258 | 238 | 259 | 240 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Nutrition | 103 | 134 | 162 | 152 | 161 | 184 | 246 | 263 |
| Pathology | 67 | 65 | 72 | 72 | 71 | 55 | 65 | 66 |
| Pharmacology | 54 | 51 | 53 | 70 | 96 | 89 | 91 | 113 |
| Physiology | 64 | 67 | 48 | 59 | 72 | 77 | 84 | 126 |
| Zoology | 37 | 49 | 43 | 45 | 54 | 36 | 38 | 39 |
| Other | 195 | 183 | 188 | 245 | 298 | 425 | 438 | 394 |
| Computer sciences | 2,378 | 2,833 | 2,968 | 3,303 | 3,237 | 3,189 | 3,221 | 3,424 |
| Earth, atmospheric, and ocean sciences | 480 | 450 | 451 | 558 | 702 | 701 | 701 | 776 |
| Atmospheric | 30 | 28 | 28 | 31 | 44 | 30 | 39 | 39 |
| Earth | 231 | 223 | 203 | 282 | 351 | 312 | 322 | 388 |
| Ocean | 54 | 55 | 71 | 65 | 86 | 100 | 111 | 109 |
| Other | 165 | 144 | 149 | 180 | 221 | 259 | 229 | 240 |
| Mathematics and statistics | 598 | 633 | 686 | 840 | 995 | 1,007 | 1,089 | 1,140 |
| Mathematics/applied mathematics | 534 | 557 | 582 | 712 | 887 | 862 | 918 | 1,003 |
| Statistics | 64 | 76 | 104 | 128 | 108 | 145 | 171 | 137 |
| Physical sciences | 973 | 1,026 | 1,277 | 1,250 | 1,375 | 1,440 | 1,415 | 1,683 |
| Astronomy | 27 | 34 | 41 | 44 | 47 | 44 | 63 | 62 |
| Chemistry | 500 | 463 | 515 | 554 | 688 | 740 | 737 | 930 |
| Physics | 334 | 401 | 615 | 549 | 547 | 569 | 588 | 656 |
| Other | 112 | 128 | 106 | 103 | 93 | 87 | 27 | 35 |
| Psychology | 3,567 | 3,620 | 3,202 | 3,183 | 3,436 | 4,805 | 6,647 | 6,490 |
| Clinical | 626 | 604 | 797 | 800 | 833 | 1,304 | 1,788 | 1,549 |
| General | 863 | 959 | 920 | 750 | 897 | 955 | 1,082 | 1,267 |
| Nonclinical | 2,078 | 2,057 | 1,485 | 1,633 | 1,706 | 2,546 | 3,777 | 3,674 |
| Social sciences | 4,093 | 4,903 | 5,309 | 5,904 | 6,489 | 7,359 | 8,313 | 8,981 |
| Agricultural economics | 28 | 43 | 72 | 71 | 57 | 64 | 65 | 78 |
| Anthropology (cultural and social) | 391 | 479 | 520 | 483 | 557 | 583 | 615 | 713 |
| Economics | 286 | 445 | 484 | 556 | 501 | 493 | 448 | 540 |
| Geography | 203 | 208 | 183 | 193 | 228 | 244 | 242 | 259 |
| History and philosophy of science | 16 | 24 | 30 | 60 | 57 | 84 | 64 | 70 |
| Linguistics | 115 | 172 | 149 | 179 | 231 | 199 | 226 | 252 |
| Political science and public administration | 1,533 | 1,814 | 2,043 | 2,570 | 3,017 | 3,713 | 4,503 | 4,726 |
| Sociology | 339 | 446 | 414 | 439 | 434 | 491 | 544 | 537 |
| Other | 1,182 | 1,272 | 1,414 | 1,353 | 1,407 | 1,488 | 1,606 | 1,806 |
| Engineering | 3,833 | 4,151 | 4,180 | 4,640 | 5,659 | 5,596 | 6,120 | 6,983 |
| Aerospace | 87 | 92 | 109 | 147 | 214 | 196 | 231 | 492 |
| Agricultural | 22 | 27 | 22 | 11 | 22 | 14 | 19 | 17 |
| Biomedical | 84 | 78 | 152 | 172 | 273 | 233 | 305 | 336 |
| Chemical | 233 | 228 | 147 | 183 | 201 | 189 | 211 | 187 |
| Civil | 575 | 540 | 588 | 702 | 762 | 767 | 866 | 956 |
| Electrical | 1,427 | 1,630 | 1,522 | 1,553 | 1,834 | 1,610 | 1,763 | 1,959 |
| Engineering science/physics | 51 | 101 | 132 | 93 | 48 | 65 | 72 | 82 |
| Industrial/manufacturing | 522 | 580 | 563 | 645 | 843 | 959 | 993 | 1,171 |
| Mechanical | 465 | 499 | 513 | 598 | 764 | 794 | 845 | 856 |
| Metallurgical and materials | 86 | 85 | 107 | 100 | 105 | 130 | 131 | 192 |
| Mining | 4 | 3 | 5 | 1 | 15 | 10 | 22 | 11 |
| Nuclear | 7 | 3 | 7 | 11 | 19 | 31 | 31 | 52 |
| Petroleum | 3 | 50 | 48 | 69 | 13 | 11 | 9 | 17 |
| Other | 267 | 235 | 265 | 355 | 546 | 587 | 622 | 655 |
| Temporary residents | 109,928 | 122,885 | 134,621 | 145,715 | 147,464 | 143,851 | 139,762 | 142,684 |
| Science | 68,425 | 75,424 | 82,018 | 87,324 | 87,397 | 86,664 | 85,748 | 87,341 |
| Agricultural sciences | 2,538 | 2,411 | 2,513 | 2,613 | 2,596 | 2,695 | 2,659 | 2,675 |
| Biological sciences | 11,189 | 11,761 | 12,443 | 13,835 | 14,836 | 15,831 | 16,467 | 16,907 |
| Anatomy | 153 | 177 | 176 | 199 | 203 | 179 | 195 | 215 |
| Biochemistry | 1,455 | 1,589 | 1,585 | 1,731 | 1,897 | 1,997 | 2,089 | 2,087 |
| Biology | 1,992 | 2,054 | 2,193 | 2,445 | 2,569 | 2,801 | 3,019 | 3,232 |
| Biometry and epidemiology | 751 | 821 | 903 | 1,099 | 1,196 | 1,212 | 1,202 | 1,236 |
| Biophysics | 154 | 204 | 263 | 299 | 319 | 375 | 375 | 385 |

TABLE D-1. S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Botany | 588 | 584 | 574 | 618 | 584 | 602 | 665 | 702 |
| Cell and molecular biology | 898 | 1,031 | 1,133 | 1,262 | 1,432 | 1,625 | 1,688 | 1,824 |
| Ecology | 174 | 186 | 194 | 218 | 272 | 272 | 249 | 257 |
| Entomology and parasitology | 302 | 280 | 275 | 283 | 286 | 303 | 282 | 290 |
| Genetics | 383 | 377 | 442 | 433 | 515 | 565 | 590 | 598 |
| Microbiology, immunology, and virology | 943 | 935 | 1,004 | 1,197 | 1,143 | 1,228 | 1,220 | 1,099 |
| Nutrition | 1,064 | 1,116 | 1,160 | 1,162 | 1,200 | 1,176 | 1,151 | 1,192 |
| Pathology | 295 | 301 | 293 | 299 | 331 | 316 | 340 | 320 |
| Pharmacology | 569 | 625 | 648 | 680 | 773 | 804 | 853 | 742 |
| Physiology | 454 | 446 | 431 | 454 | 521 | 519 | 466 | 463 |
| Zoology | 159 | 174 | 201 | 219 | 180 | 182 | 211 | 197 |
| Other | 855 | 861 | 968 | 1,237 | 1,415 | 1,675 | 1,872 | 2,068 |
| Computer sciences | 17,155 | 22,262 | 26,054 | 27,066 | 24,276 | 21,755 | 20,569 | 20,978 |
| Earth, atmospheric, and ocean sciences | 2,520 | 2,692 | 2,782 | 2,777 | 2,783 | 2,794 | 2,778 | 2,767 |
| Atmospheric | 274 | 304 | 285 | 315 | 289 | 273 | 297 | 258 |
| Earth | 1,224 | 1,302 | 1,355 | 1,379 | 1,433 | 1,452 | 1,427 | 1,428 |
| Ocean | 516 | 526 | 514 | 466 | 489 | 497 | 490 | 503 |
| Other | 506 | 560 | 628 | 617 | 572 | 572 | 564 | 578 |
| Mathematics and statistics | 5,927 | 6,057 | 6,484 | 7,024 | 7,408 | 7,407 | 7,442 | 7,596 |
| Mathematics/applied mathematics | 4,660 | 4,677 | 4,847 | 5,214 | 5,305 | 5,324 | 5,281 | 5,359 |
| Statistics | 1,267 | 1,380 | 1,637 | 1,810 | 2,103 | 2,083 | 2,161 | 2,237 |
| Physical sciences | 11,132 | 11,655 | 12,203 | 13,090 | 14,127 | 14,613 | 14,700 | 14,757 |
| Astronomy | 239 | 271 | 283 | 303 | 333 | 370 | 363 | 366 |
| Chemistry | 6,085 | 6,222 | 6,569 | 7,253 | 7,881 | 8,139 | 8,268 | 8,301 |
| Physics | 4,729 | 5,084 | 5,257 | 5,442 | 5,811 | 6,028 | 5,999 | 6,000 |
| Other | 79 | 78 | 94 | 92 | 102 | 76 | 70 | 90 |
| Psychology | 2,239 | 2,263 | 2,521 | 2,857 | 3,107 | 3,194 | 3,054 | 2,851 |
| Clinical | 396 | 390 | 428 | 595 | 619 | 444 | 502 | 441 |
| General | 720 | 812 | 933 | 979 | 1,101 | 1,372 | 1,149 | 1,016 |
| Nonclinical | 1,123 | 1,061 | 1,160 | 1,283 | 1,387 | 1,378 | 1,403 | 1,394 |
| Social sciences | 15,725 | 16,323 | 17,018 | 18,062 | 18,264 | 18,375 | 18,079 | 18,810 |
| Agricultural economics | 925 | 1,014 | 1,052 | 1,046 | 1,097 | 993 | 965 | 982 |
| Anthropology (cultural and social) | 823 | 829 | 769 | 847 | 822 | 860 | 858 | 925 |
| Economics | 5,533 | 5,807 | 6,284 | 6,620 | 6,617 | 6,582 | 6,377 | 6,498 |
| Geography | 598 | 628 | 725 | 747 | 784 | 790 | 784 | 763 |
| History and philosophy of science | 59 | 69 | 70 | 68 | 69 | 69 | 79 | 87 |
| Linguistics | 962 | 960 | 962 | 982 | 963 | 1,005 | 930 | 950 |
| Political science and public administration | 3,919 | 4,159 | 4,223 | 4,654 | 4,877 | 4,969 | 4,885 | 5,307 |
| Sociology | 1,258 | 1,332 | 1,392 | 1,390 | 1,415 | 1,357 | 1,385 | 1,379 |
| Other | 1,648 | 1,525 | 1,541 | 1,708 | 1,620 | 1,750 | 1,816 | 1,919 |
| Engineering | 41,503 | 47,461 | 52,603 | 58,391 | 60,067 | 57,187 | 54,014 | 55,343 |
| Aerospace | 1,532 | 1,513 | 1,646 | 1,686 | 1,687 | 1,688 | 1,642 | 1,484 |
| Agricultural | 424 | 397 | 417 | 423 | 490 | 485 | 521 | 549 |
| Biomedical | 851 | 949 | 1,129 | 1,516 | 1,904 | 2,132 | 2,146 | 2,184 |
| Chemical | 3,014 | 3,345 | 3,515 | 3,728 | 3,780 | 3,699 | 3,498 | 3,576 |
| Civil | 5,425 | 6,145 | 6,593 | 7,160 | 7,432 | 7,125 | 6,699 | 6,381 |
| Electrical | 15,305 | 18,296 | 20,566 | 23,369 | 23,645 | 22,117 | 20,788 | 22,099 |
| Engineering science/physics | 534 | 677 | 744 | 882 | 1,010 | 1,011 | 855 | 876 |
| Industrial/manufacturing | 3,730 | 4,545 | 5,352 | 5,743 | 5,493 | 5,089 | 4,579 | 4,580 |
| Mechanical | 6,196 | 7,183 | 7,711 | 8,577 | 8,791 | 8,128 | 7,654 | 7,714 |
| Metallurgical and materials | 2,043 | 2,112 | 2,336 | 2,510 | 2,585 | 2,558 | 2,642 | 2,578 |
| Mining | 109 | 132 | 104 | 102 | 111 | 119 | 118 | 115 |
| Nuclear | 332 | 335 | 356 | 331 | 353 | 355 | 339 | 319 |
| Petroleum | 494 | 362 | 389 | 468 | 675 | 651 | 616 | 618 |
| Other | 1,514 | 1,470 | 1,745 | 1,896 | 2,111 | 2,030 | 1,917 | 2,270 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| All female S&E graduate students | 168,396 | 170,479 | 177,419 | 188,617 | 198,397 | 201,865 | 206,308 | 211,106 |
| Science | 148,509 | 149,733 | 155,162 | 163,650 | 170,810 | 174,593 | 179,413 | 183,162 |
| Agricultural sciences | 5,049 | 5,088 | 5,343 | 5,653 | 6,026 | 6,258 | 6,202 | 6,299 |
| Biological sciences | 29,621 | 29,807 | 31,049 | 33,411 | 35,883 | 37,289 | 38,521 | 39,369 |
| Anatomy | 345 | 367 | 352 | 451 | 466 | 467 | 466 | 487 |
| Biochemistry | 2,266 | 2,231 | 2,223 | 2,422 | 2,595 | 2,643 | 2,818 | 2,812 |
| Biology | 7,143 | 7,006 | 7,189 | 7,514 | 8,158 | 8,617 | 8,638 | 9,056 |
| Biometry/epidemiology | 2,323 | 2,241 | 2,427 | 2,552 | 2,771 | 2,867 | 3,009 | 2,985 |
| Biophysics | 213 | 231 | 262 | 306 | 339 | 434 | 408 | 405 |
| Botany | 982 | 986 | 974 | 1,019 | 996 | 974 | 985 | 962 |
| Cell/molecular biology | 2,360 | 2,494 | 2,521 | 2,791 | 3,006 | 3,095 | 3,290 | 3,530 |
| Ecology | 881 | 916 | 979 | 1,039 | 1,208 | 1,192 | 1,210 | 1,224 |
| Entomology/parasitology | 406 | 442 | 480 | 492 | 537 | 565 | 520 | 518 |
| Genetics | 1,016 | 973 | 1,046 | 1,112 | 1,216 | 1,283 | 1,309 | 1,317 |
| Microbiology, immunology, and virology | 2,450 | 2,432 | 2,495 | 2,808 | 2,933 | 3,053 | 3,082 | 3,050 |
| Nutrition | 3,431 | 3,379 | 3,436 | 3,512 | 3,658 | 3,721 | 3,791 | 3,941 |
| Pathology | 804 | 829 | 895 | 906 | 910 | 922 | 958 | 981 |
| Pharmacology | 1,343 | 1,516 | 1,658 | 1,773 | 1,818 | 1,693 | 1,713 | 1,664 |
| Physiology | 898 | 882 | 911 | 994 | 1,144 | 1,229 | 1,255 | 1,275 |
| Zoology | 670 | 642 | 667 | 638 | 645 | 640 | 636 | 586 |
| Other | 2,090 | 2,240 | 2,534 | 3,082 | 3,483 | 3,894 | 4,433 | 4,576 |
| Computer sciences | 12,545 | 14,080 | 15,302 | 16,025 | 14,816 | 13,277 | 12,045 | 12,062 |
| Earth, atmospheric, and ocean sciences | 5,725 | 5,753 | 5,892 | 6,247 | 6,538 | 6,932 | 6,895 | 7,004 |
| Atmospheric | 242 | 268 | 298 | 333 | 374 | 363 | 388 | 367 |
| Earth | 2,400 | 2,455 | 2,483 | 2,613 | 2,764 | 3,059 | 3,043 | 3,081 |
| Ocean | 1,222 | 1,267 | 1,255 | 1,309 | 1,392 | 1,509 | 1,481 | 1,497 |
| Other | 1,861 | 1,763 | 1,856 | 1,992 | 2,008 | 2,001 | 1,983 | 2,059 |
| Mathematics and statistics | 6,043 | 5,780 | 6,270 | 6,886 | 7,289 | 7,497 | 7,437 | 7,693 |
| Mathematics/applied mathematics | 4,862 | 4,508 | 4,818 | 5,239 | 5,406 | 5,613 | 5,560 | 5,772 |
| Statistics | 1,181 | 1,272 | 1,452 | 1,647 | 1,883 | 1,884 | 1,877 | 1,921 |
| Physical sciences | 8,915 | 9,115 | 9,336 | 10,066 | 10,778 | 11,300 | 11,726 | 12,005 |
| Astronomy | 225 | 267 | 265 | 302 | 345 | 355 | 394 | 407 |
| Chemistry | 6,617 | 6,756 | 6,855 | 7,325 | 7,839 | 8,232 | 8,423 | 8,644 |
| Physics | 1,876 | 1,910 | 2,042 | 2,201 | 2,366 | 2,501 | 2,669 | 2,710 |
| Other | 197 | 182 | 174 | 238 | 228 | 212 | 240 | 244 |
| Psychology | 37,271 | 36,872 | 37,307 | 37,717 | 38,779 | 40,156 | 43,319 | 43,703 |
| Clinical | 9,285 | 9,283 | 9,399 | 9,467 | 9,955 | 10,623 | 11,012 | 10,843 |
| General | 11,255 | 10,874 | 11,126 | 10,516 | 10,820 | 10,958 | 11,930 | 11,989 |
| Nonclinical | 16,731 | 16,715 | 16,782 | 17,734 | 18,004 | 18,575 | 20,377 | 20,871 |
| Social sciences | 43,340 | 43,238 | 44,663 | 47,645 | 50,701 | 51,884 | 53,268 | 55,027 |
| Agricultural economics | 715 | 789 | 835 | 844 | 900 | 854 | 875 | 909 |
| Anthropology (cultural and social) | 4,644 | 4,685 | 4,562 | 4,617 | 4,870 | 4,973 | 4,940 | 5,215 |
| Economics | 3,499 | 3,765 | 3,995 | 4,268 | 4,508 | 4,485 | 4,254 | 4,343 |
| Geography | 1,703 | 1,627 | 1,801 | 1,843 | 2,028 | 2,008 | 2,013 | 2,002 |
| History and philosophy of science | 212 | 219 | 244 | 301 | 312 | 414 | 440 | 428 |
| Linguistics | 1,833 | 1,744 | 1,793 | 1,891 | 2,005 | 1,927 | 2,055 | 1,986 |
| Political science and public administration | 15,573 | 15,927 | 16,501 | 18,619 | 19,842 | 20,820 | 21,882 | 22,239 |
| Sociology | 6,209 | 6,043 | 6,232 | 6,221 | 6,407 | 6,341 | 6,338 | 6,340 |
| Other | 8,952 | 8,439 | 8,700 | 9,041 | 9,829 | 10,062 | 10,471 | 11,565 |
| Engineering | 19,887 | 20,746 | 22,257 | 24,967 | 27,587 | 27,272 | 26,895 | 27,944 |
| Aerospace | 423 | 469 | 485 | 516 | 603 | 600 | 607 | 709 |
| Agricultural | 269 | 282 | 300 | 288 | 315 | 311 | 323 | 350 |
| Biomedical | 986 | 1,056 | 1,238 | 1,513 | 1,944 | 2,183 | 2,297 | 2,486 |
| Chemical | 1,733 | 1,875 | 1,829 | 1,995 | 2,100 | 2,106 | 2,079 | 2,159 |
| Civil | 4,157 | 4,277 | 4,503 | 4,905 | 5,398 | 5,441 | 5,405 | 5,423 |
| Electrical | 5,133 | 5,536 | 6,212 | 7,270 | 7,794 | 7,201 | 6,788 | 7,026 |
| Engineering science/physics | 319 | 342 | 363 | 430 | 465 | 465 | 419 | 451 |
| Industrial/manufacturing | 2,659 | 2,713 | 2,808 | 3,076 | 3,266 | 3,230 | 3,296 | 3,466 |
| Mechanical | 1,788 | 1,832 | 1,944 | 2,083 | 2,354 | 2,456 | 2,408 | 2,485 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Metallurgical/materials | 1,084 | 1,041 | 1,173 | 1,251 | 1,331 | 1,321 | 1,348 | 1,390 |
| Mining | 55 | 46 | 36 | 37 | 42 | 42 | 39 | 43 |
| Nuclear | 144 | 156 | 157 | 148 | 182 | 196 | 211 | 214 |
| Petroleum | 82 | 87 | 91 | 107 | 129 | 134 | 121 | 135 |
| Other | 1,055 | 1,034 | 1,118 | 1,348 | 1,664 | 1,586 | 1,554 | 1,607 |
| U.S. citizens and permanent residents | 135,431 | 133,676 | 136,663 | 144,228 | 152,363 | 155,725 | 160,613 | 163,820 |
| Science | 123,050 | 121,633 | 124,252 | 130,436 | 136,931 | 140,480 | 145,333 | 148,354 |
| Agricultural sciences | 4,194 | 4,241 | 4,406 | 4,641 | 4,988 | 5,167 | 5,112 | 5,157 |
| Biological sciences | 24,180 | 23,964 | 24,663 | 26,254 | 27,976 | 28,741 | 29,603 | 30,304 |
| Anatomy | 279 | 294 | 278 | 367 | 365 | 382 | 372 | 369 |
| Biochemistry | 1,604 | 1,511 | 1,463 | 1,600 | 1,681 | 1,692 | 1,783 | 1,788 |
| Biology | 6,166 | 5,979 | 6,060 | 6,242 | 6,767 | 7,059 | 6,981 | 7,290 |
| Biometry/epidemiology | 1,947 | 1,808 | 1,915 | 1,940 | 2,073 | 2,169 | 2,308 | 2,296 |
| Biophysics | 170 | 175 | 187 | 221 | 231 | 296 | 272 | 265 |
| Botany | 725 | 717 | 701 | 716 | 703 | 666 | 656 | 605 |
| Cell/molecular biology | 1,886 | 1,931 | 1,908 | 2,095 | 2,214 | 2,180 | 2,355 | 2,554 |
| Ecology | 807 | 831 | 895 | 947 | 1,072 | 1,062 | 1,092 | 1,096 |
| Entomology/parasitology | 322 | 357 | 395 | 396 | 432 | 448 | 412 | 418 |
| Genetics | 844 | 792 | 831 | 890 | 942 | 969 | 970 | 970 |
| Microbiology, immunology, and virology | 1,968 | 1,963 | 1,951 | 2,177 | 2,299 | 2,337 | 2,384 | 2,406 |
| Nutrition | 2,745 | 2,648 | 2,672 | 2,756 | 2,908 | 2,959 | 3,036 | 3,158 |
| Pathology | 678 | 698 | 758 | 752 | 728 | 761 | 786 | 824 |
| Pharmacology | 1,064 | 1,197 | 1,308 | 1,382 | 1,377 | 1,247 | 1,236 | 1,250 |
| Physiology | 710 | 693 | 698 | 770 | 880 | 966 | 1,008 | 1,024 |
| Zoology | 602 | 560 | 579 | 540 | 556 | 552 | 538 | 480 |
| Other | 1,663 | 1,810 | 2,064 | 2,463 | 2,748 | 2,996 | 3,414 | 3,511 |
| Computer sciences | 7,412 | 7,406 | 7,643 | 8,206 | 8,051 | 7,362 | 6,776 | 6,741 |
| Earth, atmospheric, and ocean sciences | 4,868 | 4,857 | 4,911 | 5,231 | 5,493 | 5,854 | 5,796 | 5,898 |
| Atmospheric | 137 | 166 | 192 | 212 | 264 | 258 | 269 | 271 |
| Earth | 2,069 | 2,100 | 2,098 | 2,181 | 2,287 | 2,557 | 2,529 | 2,543 |
| Ocean | 1,038 | 1,065 | 1,049 | 1,124 | 1,196 | 1,291 | 1,274 | 1,283 |
| Other | 1,624 | 1,526 | 1,572 | 1,714 | 1,746 | 1,748 | 1,724 | 1,801 |
| Mathematics and statistics | 3,982 | 3,661 | 3,927 | 4,379 | 4,533 | 4,792 | 4,740 | 4,857 |
| Mathematics/applied mathematics | 3,367 | 3,034 | 3,299 | 3,653 | 3,777 | 3,982 | 3,917 | 4,054 |
| Statistics | 615 | 627 | 628 | 726 | 756 | 810 | 823 | 803 |
| Physical sciences | 5,862 | 5,832 | 5,859 | 6,178 | 6,505 | 6,757 | 7,098 | 7,370 |
| Astronomy | 172 | 197 | 191 | 229 | 253 | 258 | 302 | 311 |
| Chemistry | 4,477 | 4,477 | 4,453 | 4,583 | 4,801 | 4,993 | 5,163 | 5,386 |
| Physics | 1,047 | 999 | 1,075 | 1,162 | 1,249 | 1,320 | 1,416 | 1,459 |
| Other | 166 | 159 | 140 | 204 | 202 | 186 | 217 | 214 |
| Psychology | 35,822 | 35,361 | 35,563 | 35,952 | 36,826 | 38,210 | 41,172 | 41,648 |
| Clinical | 9,005 | 8,977 | 9,065 | 9,094 | 9,565 | 10,282 | 10,614 | 10,491 |
| General | 10,820 | 10,374 | 10,520 | 9,955 | 10,173 | 10,312 | 11,199 | 11,302 |
| Nonclinical | 15,997 | 16,010 | 15,978 | 16,903 | 17,088 | 17,616 | 19,359 | 19,855 |
| Social sciences | 36,730 | 36,311 | 37,280 | 39,595 | 42,559 | 43,597 | 45,036 | 46,379 |
| Agricultural economics | 393 | 413 | 423 | 428 | 467 | 477 | 488 | 486 |
| Anthropology (cultural and social) | 4,196 | 4,220 | 4,141 | 4,157 | 4,414 | 4,483 | 4,459 | 4,701 |
| Economics | 1,719 | 1,815 | 1,835 | 1,938 | 2,075 | 2,018 | 1,844 | 1,849 |
| Geography | 1,466 | 1,383 | 1,508 | 1,523 | 1,691 | 1,673 | 1,684 | 1,687 |
| History and philosophy of science | 194 | 189 | 219 | 274 | 290 | 389 | 414 | 393 |
| Linguistics | 1,233 | 1,130 | 1,161 | 1,237 | 1,378 | 1,269 | 1,437 | 1,353 |
| Political science and public administration | 13,932 | 14,128 | 14,598 | 16,382 | 17,544 | 18,470 | 19,574 | 19,768 |
| Sociology | 5,496 | 5,271 | 5,391 | 5,393 | 5,565 | 5,535 | 5,511 | 5,524 |
| Other | 8,101 | 7,762 | 8,004 | 8,263 | 9,135 | 9,283 | 9,625 | 10,618 |
| Engineering | 12,381 | 12,043 | 12,411 | 13,792 | 15,432 | 15,245 | 15,280 | 15,466 |
| Aerospace | 255 | 282 | 275 | 300 | 390 | 377 | 400 | 493 |
| Agricultural | 164 | 185 | 196 | 183 | 191 | 183 | 177 | 183 |
| Biomedical | 730 | 766 | 870 | 1,017 | 1,306 | 1,435 | 1,556 | 1,702 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|---------|---------|---------|---------|
| Chemical | 1,020 | 1,047 | 974 | 1,080 | 1,087 | 1,122 | 1,109 | 1,117 |
| Civil | 2,955 | 2,909 | 2,957 | 3,209 | 3,552 | 3,562 | 3,598 | 3,659 |
| Electrical | 2,389 | 2,246 | 2,380 | 2,668 | 2,962 | 2,588 | 2,546 | 2,315 |
| Engineering science/physics | 215 | 195 | 209 | 252 | 235 | 254 | 235 | 250 |
| Industrial/manufacturing | 2,003 | 1,896 | 1,889 | 2,111 | 2,257 | 2,233 | 2,228 | 2,326 |
| Mechanical | 1,141 | 1,046 | 1,113 | 1,160 | 1,363 | 1,435 | 1,406 | 1,498 |
| Metallurgical/materials | 618 | 581 | 622 | 668 | 702 | 690 | 688 | 731 |
| Mining | 43 | 32 | 32 | 30 | 30 | 33 | 30 | 27 |
| Nuclear | 87 | 95 | 88 | 87 | 115 | 123 | 143 | 146 |
| Petroleum | 17 | 40 | 40 | 40 | 24 | 33 | 28 | 34 |
| Other | 744 | 723 | 766 | 987 | 1,218 | 1,177 | 1,136 | 985 |
| White | 94,940 | 91,787 | 92,760 | 96,530 | 100,544 | 101,912 | 102,589 | 104,515 |
| Science | 87,076 | 84,161 | 85,159 | 88,471 | 91,652 | 93,054 | 93,902 | 95,514 |
| Agricultural sciences | 3,527 | 3,526 | 3,600 | 3,816 | 4,061 | 4,191 | 4,146 | 4,070 |
| Biological sciences | 17,808 | 17,677 | 17,846 | 18,968 | 19,749 | 20,022 | 20,415 | 20,772 |
| Anatomy | 209 | 229 | 222 | 259 | 265 | 252 | 264 | 259 |
| Biochemistry | 1,158 | 1,123 | 1,017 | 1,140 | 1,122 | 1,173 | 1,183 | 1,203 |
| Biology | 4,459 | 4,342 | 4,389 | 4,554 | 4,816 | 4,972 | 4,890 | 5,012 |
| Biometry/epidemiology | 1,326 | 1,179 | 1,256 | 1,301 | 1,370 | 1,406 | 1,439 | 1,439 |
| Biophysics | 117 | 121 | 135 | 161 | 164 | 210 | 182 | 186 |
| Botany | 613 | 612 | 582 | 567 | 562 | 506 | 510 | 462 |
| Cell/molecular biology | 1,364 | 1,353 | 1,296 | 1,389 | 1,433 | 1,421 | 1,485 | 1,615 |
| Ecology | 709 | 709 | 763 | 807 | 883 | 881 | 905 | 885 |
| Entomology/parasitology | 283 | 310 | 341 | 345 | 371 | 387 | 339 | 340 |
| Genetics | 627 | 593 | 623 | 678 | 695 | 725 | 742 | 730 |
| Microbiology, immunology, and virology | 1,387 | 1,390 | 1,353 | 1,501 | 1,550 | 1,585 | 1,607 | 1,602 |
| Nutrition | 2,124 | 2,074 | 2,009 | 2,086 | 2,138 | 2,103 | 2,144 | 2,289 |
| Pathology | 490 | 526 | 555 | 547 | 513 | 541 | 551 | 581 |
| Pharmacology | 737 | 864 | 901 | 940 | 941 | 820 | 818 | 800 |
| Physiology | 484 | 478 | 465 | 506 | 576 | 595 | 632 | 631 |
| Zoology | 539 | 497 | 521 | 486 | 493 | 485 | 472 | 420 |
| Other | 1,182 | 1,277 | 1,418 | 1,701 | 1,857 | 1,960 | 2,252 | 2,318 |
| Computer sciences | 3,521 | 3,629 | 3,778 | 3,962 | 4,039 | 3,849 | 3,621 | 3,581 |
| Earth, atmospheric, and ocean sciences | 4,134 | 4,200 | 4,211 | 4,410 | 4,541 | 4,821 | 4,798 | 4,830 |
| Atmospheric | 111 | 126 | 156 | 175 | 211 | 204 | 216 | 222 |
| Earth | 1,810 | 1,870 | 1,851 | 1,878 | 1,934 | 2,172 | 2,170 | 2,136 |
| Ocean | 885 | 921 | 897 | 954 | 1,002 | 1,072 | 1,063 | 1,069 |
| Other | 1,328 | 1,283 | 1,307 | 1,403 | 1,394 | 1,373 | 1,349 | 1,403 |
| Mathematics and statistics | 2,861 | 2,601 | 2,799 | 3,046 | 3,061 | 3,293 | 3,178 | 3,260 |
| Mathematics/applied mathematics | 2,431 | 2,177 | 2,356 | 2,556 | 2,545 | 2,773 | 2,675 | 2,751 |
| Statistics | 430 | 424 | 443 | 490 | 516 | 520 | 503 | 509 |
| Physical sciences | 4,165 | 4,167 | 4,164 | 4,497 | 4,592 | 4,718 | 5,002 | 5,092 |
| Astronomy | 146 | 163 | 154 | 182 | 199 | 206 | 237 | 244 |
| Chemistry | 3,182 | 3,173 | 3,171 | 3,315 | 3,336 | 3,403 | 3,538 | 3,593 |
| Physics | 739 | 741 | 755 | 863 | 921 | 981 | 1,058 | 1,094 |
| Other | 98 | 90 | 84 | 137 | 136 | 128 | 169 | 161 |
| Psychology | 26,072 | 24,442 | 24,545 | 24,647 | 24,872 | 25,020 | 25,614 | 26,132 |
| Clinical | 6,577 | 6,320 | 6,156 | 6,084 | 6,378 | 6,560 | 6,538 | 6,572 |
| General | 7,961 | 7,291 | 7,371 | 7,065 | 7,010 | 7,076 | 7,522 | 7,491 |
| Nonclinical | 11,534 | 10,831 | 11,018 | 11,498 | 11,484 | 11,384 | 11,554 | 12,069 |
| Social sciences | 24,988 | 23,919 | 24,216 | 25,125 | 26,737 | 27,140 | 27,128 | 27,777 |
| Agricultural economics | 309 | 331 | 331 | 325 | 369 | 353 | 350 | 361 |
| Anthropology (cultural and social) | 3,310 | 3,262 | 3,148 | 3,191 | 3,330 | 3,332 | 3,238 | 3,380 |
| Economics | 1,150 | 1,218 | 1,200 | 1,231 | 1,330 | 1,281 | 1,182 | 1,155 |
| Geography | 1,242 | 1,161 | 1,263 | 1,262 | 1,363 | 1,334 | 1,339 | 1,333 |
| History and philosophy of science | 163 | 158 | 182 | 197 | 218 | 295 | 308 | 295 |
| Linguistics | 901 | 801 | 830 | 869 | 929 | 892 | 987 | 941 |
| Political science and public administration | 8,763 | 8,550 | 8,690 | 9,479 | 10,012 | 10,423 | 10,706 | 10,693 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 3,825 | 3,581 | 3,696 | 3,624 | 3,669 | 3,661 | 3,582 | 3,599 |
| Other | 5,325 | 4,857 | 4,876 | 4,947 | 5,517 | 5,569 | 5,436 | 6,020 |
| Engineering | 7,864 | 7,626 | 7,601 | 8,059 | 8,892 | 8,858 | 8,687 | 9,001 |
| Aerospace | 198 | 218 | 210 | 217 | 279 | 256 | 272 | 326 |
| Agricultural | 125 | 128 | 127 | 129 | 142 | 143 | 136 | 140 |
| Biomedical | 508 | 532 | 562 | 635 | 792 | 868 | 911 | 991 |
| Chemical | 643 | 663 | 610 | 653 | 635 | 676 | 664 | 671 |
| Civil | 2,098 | 2,118 | 2,111 | 2,228 | 2,499 | 2,498 | 2,467 | 2,460 |
| Electrical | 1,099 | 981 | 1,011 | 1,028 | 1,036 | 968 | 907 | 906 |
| Engineering science/physics | 137 | 134 | 138 | 170 | 179 | 173 | 152 | 168 |
| Industrial/manufacturing | 1,315 | 1,211 | 1,162 | 1,249 | 1,323 | 1,261 | 1,218 | 1,248 |
| Mechanical | 749 | 687 | 728 | 743 | 904 | 924 | 862 | 970 |
| Metallurgical/materials | 443 | 426 | 449 | 468 | 482 | 489 | 482 | 483 |
| Mining | 33 | 29 | 29 | 25 | 27 | 25 | 22 | 26 |
| Nuclear | 66 | 69 | 64 | 63 | 87 | 84 | 96 | 110 |
| Petroleum | 13 | 15 | 10 | 11 | 12 | 14 | 14 | 19 |
| Other | 437 | 415 | 390 | 440 | 495 | 479 | 484 | 483 |
| Asian/Pacific Islander | 11,524 | 10,642 | 11,373 | 12,646 | 13,823 | 13,705 | 13,885 | 13,766 |
| Science | 9,515 | 8,870 | 9,318 | 10,003 | 10,721 | 10,745 | 10,884 | 11,170 |
| Agricultural sciences | 167 | 138 | 147 | 150 | 165 | 193 | 158 | 173 |
| Biological sciences | 2,377 | 2,253 | 2,533 | 2,642 | 2,894 | 3,025 | 3,126 | 3,355 |
| Anatomy | 29 | 23 | 29 | 51 | 45 | 56 | 38 | 35 |
| Biochemistry | 235 | 192 | 211 | 191 | 219 | 212 | 239 | 248 |
| Biology | 438 | 384 | 410 | 401 | 477 | 519 | 519 | 638 |
| Biometry/epidemiology | 268 | 290 | 305 | 328 | 323 | 343 | 377 | 372 |
| Biophysics | 29 | 29 | 35 | 38 | 43 | 50 | 54 | 43 |
| Botany | 48 | 51 | 55 | 69 | 66 | 58 | 53 | 58 |
| Cell/molecular biology | 274 | 262 | 272 | 305 | 320 | 332 | 381 | 416 |
| Ecology | 27 | 26 | 29 | 30 | 38 | 29 | 34 | 41 |
| Entomology/parasitology | 10 | 15 | 19 | 12 | 15 | 17 | 15 | 18 |
| Genetics | 82 | 56 | 67 | 77 | 93 | 84 | 76 | 96 |
| Microbiology, immunology, and virology | 216 | 220 | 244 | 253 | 276 | 277 | 272 | 297 |
| Nutrition | 199 | 168 | 201 | 196 | 250 | 260 | 278 | 240 |
| Pathology | 86 | 72 | 94 | 98 | 105 | 110 | 99 | 106 |
| Pharmacology | 142 | 151 | 197 | 200 | 183 | 169 | 162 | 185 |
| Physiology | 106 | 102 | 133 | 149 | 153 | 192 | 190 | 180 |
| Zoology | 18 | 14 | 15 | 13 | 17 | 25 | 21 | 15 |
| Other | 170 | 198 | 217 | 231 | 271 | 292 | 318 | 367 |
| Computer sciences | 2,318 | 2,009 | 1,987 | 2,143 | 1,973 | 1,651 | 1,403 | 1,300 |
| Earth, atmospheric, and ocean sciences | 192 | 172 | 170 | 193 | 197 | 227 | 213 | 216 |
| Atmospheric | 8 | 16 | 11 | 11 | 17 | 22 | 12 | 14 |
| Earth | 66 | 60 | 55 | 70 | 63 | 79 | 61 | 74 |
| Ocean | 36 | 35 | 30 | 37 | 31 | 42 | 38 | 33 |
| Other | 82 | 61 | 74 | 75 | 86 | 84 | 102 | 95 |
| Mathematics and statistics | 437 | 417 | 433 | 531 | 625 | 584 | 611 | 629 |
| Mathematics/applied mathematics | 328 | 307 | 346 | 412 | 493 | 427 | 430 | 464 |
| Statistics | 109 | 110 | 87 | 119 | 132 | 157 | 181 | 165 |
| Physical sciences | 636 | 573 | 542 | 531 | 631 | 659 | 670 | 731 |
| Astronomy | 13 | 14 | 15 | 18 | 17 | 15 | 17 | 18 |
| Chemistry | 495 | 473 | 432 | 411 | 492 | 516 | 529 | 579 |
| Physics | 117 | 76 | 88 | 93 | 109 | 117 | 116 | 123 |
| Other | 11 | 10 | 7 | 9 | 13 | 11 | 8 | 11 |
| Psychology | 1,502 | 1,531 | 1,628 | 1,633 | 1,799 | 1,880 | 1,990 | 2,037 |
| Clinical | 453 | 453 | 468 | 451 | 506 | 562 | 560 | 542 |
| General | 500 | 518 | 550 | 485 | 558 | 575 | 627 | 632 |
| Nonclinical | 549 | 560 | 610 | 697 | 735 | 743 | 803 | 863 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Social sciences | 1,886 | 1,777 | 1,878 | 2,180 | 2,437 | 2,526 | 2,713 | 2,729 |
| Agricultural economics | 18 | 13 | 15 | 20 | 19 | 29 | 27 | 26 |
| Anthropology (cultural and social) | 183 | 192 | 186 | 174 | 189 | 205 | 217 | 224 |
| Economics | 240 | 212 | 202 | 258 | 293 | 282 | 257 | 278 |
| Geography | 54 | 46 | 57 | 59 | 78 | 78 | 77 | 78 |
| History and philosophy of science | 9 | 9 | 10 | 16 | 17 | 20 | 20 | 14 |
| Linguistics | 114 | 78 | 106 | 135 | 160 | 128 | 171 | 127 |
| Political science and public administration | 634 | 680 | 704 | 855 | 935 | 1,000 | 1,149 | 1,191 |
| Sociology | 258 | 244 | 250 | 264 | 316 | 276 | 271 | 293 |
| Other | 376 | 303 | 348 | 399 | 430 | 508 | 524 | 498 |
| Engineering | 2,009 | 1,772 | 2,055 | 2,643 | 3,102 | 2,960 | 3,001 | 2,596 |
| Aerospace | 21 | 26 | 27 | 31 | 36 | 51 | 62 | 62 |
| Agricultural | 15 | 19 | 22 | 17 | 16 | 16 | 14 | 11 |
| Biomedical | 105 | 125 | 163 | 207 | 258 | 311 | 344 | 373 |
| Chemical | 176 | 158 | 149 | 198 | 198 | 177 | 206 | 206 |
| Civil | 316 | 238 | 279 | 298 | 366 | 375 | 400 | 369 |
| Electrical | 704 | 662 | 728 | 972 | 1,164 | 980 | 930 | 714 |
| Engineering science/physics | 43 | 19 | 25 | 43 | 36 | 43 | 41 | 45 |
| Industrial/manufacturing | 198 | 164 | 193 | 264 | 281 | 273 | 291 | 295 |
| Mechanical | 179 | 125 | 164 | 165 | 171 | 195 | 210 | 196 |
| Metallurgical/materials | 85 | 73 | 78 | 102 | 99 | 96 | 96 | 99 |
| Mining | 10 | 1 | 1 | 2 | 2 | 1 | 2 | 0 |
| Nuclear | 6 | 5 | 8 | 7 | 9 | 14 | 16 | 12 |
| Petroleum | 1 | 1 | 4 | 6 | 3 | 7 | 2 | 2 |
| Other | 150 | 156 | 214 | 331 | 463 | 421 | 387 | 212 |
| Black | 11,708 | 12,536 | 13,073 | 13,760 | 14,718 | 14,847 | 15,623 | 15,884 |
| Science | 10,732 | 11,509 | 12,092 | 12,698 | 13,677 | 13,718 | 14,523 | 14,755 |
| Agricultural sciences | 151 | 153 | 201 | 213 | 266 | 241 | 245 | 301 |
| Biological sciences | 1,457 | 1,481 | 1,559 | 1,667 | 1,899 | 2,033 | 2,063 | 2,123 |
| Anatomy | 19 | 21 | 14 | 24 | 22 | 34 | 29 | 26 |
| Biochemistry | 76 | 81 | 76 | 73 | 96 | 97 | 101 | 112 |
| Biology | 482 | 502 | 507 | 459 | 543 | 535 | 519 | 538 |
| Biometry/epidemiology | 130 | 118 | 127 | 139 | 166 | 193 | 209 | 203 |
| Biophysics | 8 | 7 | 7 | 8 | 8 | 10 | 10 | 13 |
| Botany | 14 | 9 | 13 | 17 | 14 | 12 | 13 | 16 |
| Cell/molecular biology | 65 | 76 | 80 | 92 | 113 | 123 | 115 | 147 |
| Ecology | 11 | 11 | 13 | 15 | 27 | 19 | 20 | 18 |
| Entomology/parasitology | 8 | 8 | 6 | 8 | 10 | 9 | 10 | 12 |
| Genetics | 35 | 32 | 33 | 40 | 55 | 53 | 55 | 50 |
| Microbiology, immunology, and virology | 124 | 123 | 121 | 153 | 173 | 161 | 171 | 177 |
| Nutrition | 176 | 167 | 185 | 200 | 208 | 247 | 222 | 218 |
| Pathology | 35 | 31 | 32 | 33 | 35 | 46 | 56 | 62 |
| Pharmacology | 96 | 91 | 110 | 119 | 115 | 126 | 119 | 105 |
| Physiology | 51 | 60 | 56 | 58 | 67 | 69 | 65 | 74 |
| Zoology | 11 | 8 | 5 | 9 | 6 | 7 | 6 | 10 |
| Other | 116 | 136 | 174 | 220 | 241 | 292 | 343 | 342 |
| Computer sciences | 670 | 668 | 766 | 835 | 823 | 708 | 714 | 722 |
| Earth, atmospheric, and ocean sciences | 101 | 100 | 102 | 131 | 140 | 141 | 152 | 145 |
| Atmospheric | 4 | 9 | 7 | 10 | 12 | 14 | 13 | 8 |
| Earth | 31 | 24 | 25 | 27 | 35 | 43 | 43 | 33 |
| Ocean | 14 | 14 | 15 | 23 | 26 | 22 | 27 | 30 |
| Other | 52 | 53 | 55 | 71 | 67 | 62 | 69 | 74 |
| Mathematics and statistics | 270 | 273 | 270 | 286 | 282 | 332 | 351 | 347 |
| Mathematics/applied mathematics | 248 | 239 | 241 | 250 | 243 | 281 | 301 | 295 |
| Statistics | 22 | 34 | 29 | 36 | 39 | 51 | 50 | 52 |
| Physical sciences | 402 | 425 | 413 | 407 | 431 | 453 | 482 | 506 |
| Astronomy | 3 | 4 | 4 | 4 | 5 | 6 | 5 | 5 |
| Chemistry | 318 | 342 | 341 | 332 | 349 | 379 | 396 | 426 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|--------|--------|--------|--------|--------|
| Physics | 70 | 67 | 53 | 52 | 57 | 57 | 67 | 58 |
| Other | 11 | 12 | 15 | 19 | 20 | 11 | 14 | 17 |
| Psychology | 2,844 | 3,343 | 3,476 | 3,542 | 3,758 | 3,752 | 4,291 | 4,164 |
| Clinical | 545 | 593 | 592 | 633 | 706 | 725 | 715 | 719 |
| General | 1,034 | 1,094 | 1,123 | 1,145 | 1,176 | 1,151 | 1,318 | 1,223 |
| Nonclinical | 1,265 | 1,656 | 1,761 | 1,764 | 1,876 | 1,876 | 2,258 | 2,222 |
| Social sciences | 4,837 | 5,066 | 5,305 | 5,617 | 6,078 | 6,058 | 6,225 | 6,447 |
| Agricultural economics | 35 | 38 | 35 | 41 | 38 | 28 | 38 | 32 |
| Anthropology (cultural and social) | 209 | 196 | 216 | 189 | 215 | 216 | 225 | 225 |
| Economics | 133 | 155 | 151 | 137 | 154 | 158 | 141 | 152 |
| Geography | 44 | 39 | 53 | 57 | 80 | 85 | 83 | 74 |
| History and philosophy of science | 7 | 6 | 9 | 11 | 9 | 10 | 20 | 15 |
| Linguistics | 36 | 31 | 32 | 27 | 35 | 31 | 43 | 34 |
| Political science and public administration | 2,530 | 2,628 | 2,796 | 3,042 | 3,239 | 3,224 | 3,272 | 3,334 |
| Sociology | 754 | 741 | 775 | 783 | 825 | 830 | 852 | 809 |
| Other | 1,089 | 1,232 | 1,238 | 1,330 | 1,483 | 1,476 | 1,551 | 1,772 |
| Engineering | 976 | 1,027 | 981 | 1,062 | 1,041 | 1,129 | 1,100 | 1,129 |
| Aerospace | 8 | 8 | 4 | 6 | 9 | 14 | 15 | 18 |
| Agricultural | 7 | 11 | 18 | 16 | 16 | 14 | 12 | 13 |
| Biomedical | 49 | 58 | 60 | 74 | 88 | 113 | 103 | 107 |
| Chemical | 79 | 79 | 89 | 81 | 78 | 74 | 60 | 56 |
| Civil | 173 | 178 | 158 | 182 | 155 | 162 | 161 | 181 |
| Electrical | 200 | 201 | 192 | 201 | 183 | 194 | 189 | 180 |
| Engineering science/physics | 7 | 13 | 10 | 7 | 6 | 12 | 10 | 11 |
| Industrial/manufacturing | 232 | 247 | 242 | 264 | 266 | 273 | 282 | 296 |
| Mechanical | 88 | 104 | 81 | 79 | 86 | 91 | 90 | 75 |
| Metallurgical/materials | 43 | 43 | 46 | 51 | 51 | 48 | 49 | 61 |
| Mining | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nuclear | 8 | 11 | 6 | 6 | 8 | 12 | 13 | 8 |
| Petroleum | 0 | 0 | 1 | 0 | 1 | 4 | 4 | 3 |
| Other | 82 | 73 | 74 | 95 | 94 | 118 | 112 | 120 |
| Hispanic | 8,324 | 8,935 | 9,460 | 10,446 | 11,059 | 11,621 | 12,468 | 12,839 |
| Science | 7,622 | 8,197 | 8,618 | 9,485 | 10,002 | 10,522 | 11,371 | 11,644 |
| Agricultural sciences | 213 | 217 | 215 | 209 | 239 | 257 | 263 | 277 |
| Biological sciences | 1,217 | 1,220 | 1,329 | 1,465 | 1,612 | 1,741 | 1,826 | 1,926 |
| Anatomy | 11 | 10 | 8 | 14 | 16 | 21 | 18 | 29 |
| Biochemistry | 70 | 70 | 84 | 88 | 110 | 108 | 126 | 132 |
| Biology | 358 | 378 | 387 | 437 | 454 | 485 | 502 | 531 |
| Biometry/epidemiology | 117 | 113 | 103 | 99 | 118 | 119 | 114 | 121 |
| Biophysics | 2 | 2 | 3 | 3 | 6 | 9 | 10 | 8 |
| Botany | 25 | 16 | 19 | 24 | 18 | 41 | 28 | 35 |
| Cell/molecular biology | 77 | 89 | 97 | 123 | 129 | 129 | 159 | 182 |
| Ecology | 26 | 33 | 40 | 37 | 34 | 39 | 40 | 53 |
| Entomology/parasitology | 11 | 13 | 18 | 19 | 25 | 20 | 25 | 23 |
| Genetics | 34 | 33 | 44 | 39 | 37 | 34 | 33 | 34 |
| Microbiology, immunology, and virology | 107 | 107 | 120 | 139 | 155 | 173 | 189 | 190 |
| Nutrition | 155 | 127 | 134 | 147 | 164 | 188 | 167 | 170 |
| Pathology | 28 | 29 | 36 | 34 | 33 | 29 | 32 | 29 |
| Pharmacology | 52 | 62 | 63 | 73 | 79 | 75 | 78 | 77 |
| Physiology | 40 | 26 | 26 | 28 | 36 | 53 | 59 | 64 |
| Zoology | 10 | 12 | 13 | 8 | 10 | 14 | 16 | 10 |
| Other | 94 | 100 | 134 | 153 | 188 | 204 | 230 | 238 |
| Computer sciences | 212 | 246 | 244 | 271 | 286 | 283 | 272 | 271 |
| Earth, atmospheric, and ocean sciences | 200 | 169 | 201 | 222 | 261 | 302 | 281 | 311 |
| Atmospheric | 3 | 4 | 7 | 6 | 8 | 12 | 12 | 14 |
| Earth | 70 | 56 | 78 | 81 | 100 | 111 | 105 | 119 |
| Ocean | 70 | 59 | 65 | 71 | 86 | 91 | 82 | 87 |
| Other | 57 | 50 | 51 | 64 | 67 | 88 | 82 | 91 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Mathematics and statistics | 177 | 150 | 160 | 207 | 223 | 230 | 215 | 246 |
| Mathematics/applied mathematics | 158 | 136 | 147 | 187 | 196 | 203 | 196 | 213 |
| Statistics | 19 | 14 | 13 | 20 | 27 | 27 | 19 | 33 |
| Physical sciences | 346 | 337 | 357 | 376 | 416 | 489 | 490 | 490 |
| Astronomy | 3 | 3 | 5 | 8 | 11 | 13 | 15 | 13 |
| Chemistry | 289 | 287 | 292 | 307 | 339 | 396 | 394 | 400 |
| Physics | 41 | 40 | 58 | 53 | 60 | 71 | 69 | 66 |
| Other | 13 | 7 | 2 | 8 | 6 | 9 | 12 | 11 |
| Psychology | 2,610 | 3,106 | 3,261 | 3,527 | 3,547 | 3,659 | 3,927 | 4,030 |
| Clinical | 922 | 1,080 | 1,159 | 1,228 | 1,245 | 1,364 | 1,376 | 1,373 |
| General | 649 | 702 | 723 | 657 | 713 | 743 | 871 | 948 |
| Nonclinical | 1,039 | 1,324 | 1,379 | 1,642 | 1,589 | 1,552 | 1,680 | 1,709 |
| Social sciences | 2,647 | 2,752 | 2,851 | 3,208 | 3,418 | 3,561 | 4,097 | 4,093 |
| Agricultural economics | 17 | 16 | 18 | 13 | 18 | 23 | 26 | 20 |
| Anthropology (cultural and social) | 198 | 220 | 224 | 243 | 260 | 293 | 301 | 317 |
| Economics | 88 | 78 | 102 | 118 | 134 | 123 | 111 | 94 |
| Geography | 47 | 46 | 48 | 52 | 64 | 65 | 67 | 68 |
| History and philosophy of science | 8 | 6 | 6 | 18 | 16 | 26 | 31 | 29 |
| Linguistics | 100 | 103 | 93 | 95 | 93 | 85 | 108 | 83 |
| Political science and public administration | 1,187 | 1,294 | 1,291 | 1,530 | 1,582 | 1,724 | 1,944 | 1,884 |
| Sociology | 397 | 386 | 378 | 411 | 437 | 418 | 426 | 441 |
| Other | 605 | 603 | 691 | 728 | 814 | 804 | 1,083 | 1,157 |
| Engineering | 702 | 738 | 842 | 961 | 1,057 | 1,099 | 1,097 | 1,195 |
| Aerospace | 10 | 13 | 17 | 23 | 26 | 22 | 16 | 24 |
| Agricultural | 5 | 12 | 17 | 14 | 8 | 4 | 10 | 12 |
| Biomedical | 35 | 28 | 31 | 36 | 57 | 64 | 75 | 97 |
| Chemical | 54 | 69 | 72 | 84 | 106 | 117 | 110 | 123 |
| Civil | 203 | 236 | 239 | 274 | 282 | 282 | 293 | 331 |
| Electrical | 138 | 99 | 142 | 175 | 204 | 184 | 208 | 179 |
| Engineering science/physics | 15 | 10 | 11 | 8 | 5 | 6 | 7 | 3 |
| Industrial/manufacturing | 135 | 141 | 167 | 175 | 179 | 211 | 187 | 214 |
| Mechanical | 52 | 49 | 65 | 83 | 96 | 114 | 108 | 117 |
| Metallurgical/materials | 26 | 24 | 26 | 28 | 38 | 31 | 32 | 34 |
| Mining | 0 | 1 | 2 | 2 | 0 | 5 | 4 | 0 |
| Nuclear | 5 | 8 | 9 | 9 | 7 | 7 | 10 | 7 |
| Petroleum | 2 | 16 | 17 | 11 | 6 | 6 | 6 | 7 |
| Other | 22 | 32 | 27 | 39 | 43 | 46 | 31 | 47 |
| American Indian/Alaska Native | 809 | 868 | 875 | 924 | 989 | 1,001 | 1,050 | 1,133 |
| Science | 742 | 798 | 810 | 855 | 904 | 926 | 983 | 1,061 |
| Agricultural sciences | 23 | 22 | 23 | 40 | 39 | 47 | 45 | 46 |
| Biological sciences | 106 | 110 | 110 | 123 | 147 | 157 | 164 | 182 |
| Anatomy | 2 | 1 | 0 | 1 | 3 | 2 | 1 | 0 |
| Biochemistry | 4 | 3 | 6 | 3 | 6 | 7 | 5 | 9 |
| Biology | 32 | 36 | 25 | 28 | 34 | 32 | 39 | 41 |
| Biometry/epidemiology | 5 | 9 | 9 | 10 | 13 | 13 | 10 | 12 |
| Biophysics | 1 | 1 | 1 | 1 | 0 | 3 | 1 | 3 |
| Botany | 4 | 3 | 5 | 6 | 6 | 6 | 4 | 3 |
| Cell/molecular biology | 8 | 11 | 10 | 10 | 11 | 12 | 15 | 20 |
| Ecology | 2 | 3 | 5 | 4 | 6 | 9 | 8 | 8 |
| Entomology/parasitology | 1 | 1 | 1 | 1 | 1 | 3 | 5 | 4 |
| Genetics | 3 | 5 | 6 | 6 | 8 | 10 | 6 | 6 |
| Microbiology, immunology, and virology | 4 | 5 | 3 | 10 | 5 | 9 | 9 | 12 |
| Nutrition | 13 | 12 | 15 | 13 | 12 | 7 | 13 | 12 |
| Pathology | 1 | 1 | 2 | 0 | 2 | 5 | 7 | 4 |
| Pharmacology | 10 | 4 | 3 | 7 | 8 | 11 | 9 | 12 |
| Physiology | 5 | 2 | 4 | 7 | 8 | 9 | 9 | 7 |
| Zoology | 3 | 4 | 3 | 3 | 4 | 4 | 4 | 7 |
| Other | 8 | 9 | 12 | 13 | 20 | 15 | 19 | 22 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|--------|--------|--------|--------|
| Computer sciences | 24 | 30 | 29 | 31 | 36 | 30 | 33 | 27 |
| Earth, atmospheric, and ocean sciences | 31 | 28 | 33 | 36 | 33 | 27 | 31 | 26 |
| Atmospheric | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Earth | 13 | 10 | 15 | 18 | 12 | 11 | 13 | 13 |
| Ocean | 5 | 4 | 6 | 6 | 6 | 9 | 9 | 6 |
| Other | 13 | 14 | 11 | 12 | 15 | 7 | 9 | 7 |
| Mathematics and statistics | 18 | 10 | 16 | 6 | 7 | 13 | 15 | 22 |
| Mathematics/applied mathematics | 15 | 6 | 14 | 6 | 7 | 13 | 13 | 20 |
| Statistics | 3 | 4 | 2 | 0 | 0 | 0 | 2 | 2 |
| Physical sciences | 29 | 21 | 27 | 28 | 25 | 28 | 34 | 49 |
| Astronomy | 1 | 0 | 0 | 1 | 2 | 2 | 4 | 5 |
| Chemistry | 23 | 18 | 23 | 20 | 18 | 20 | 21 | 36 |
| Physics | 5 | 3 | 4 | 7 | 5 | 5 | 7 | 6 |
| Other | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 |
| Psychology | 212 | 257 | 251 | 237 | 229 | 235 | 241 | 261 |
| Clinical | 63 | 72 | 69 | 73 | 75 | 62 | 57 | 54 |
| General | 70 | 87 | 80 | 73 | 71 | 79 | 77 | 84 |
| Nonclinical | 79 | 98 | 102 | 91 | 83 | 94 | 107 | 123 |
| Social sciences | 299 | 320 | 321 | 354 | 388 | 389 | 420 | 448 |
| Agricultural economics | 1 | 1 | 0 | 2 | 2 | 15 | 15 | 9 |
| Anthropology (cultural and social) | 60 | 60 | 56 | 52 | 64 | 66 | 78 | 91 |
| Economics | 9 | 11 | 9 | 12 | 15 | 17 | 9 | 5 |
| Geography | 5 | 7 | 10 | 7 | 4 | 11 | 14 | 13 |
| History and philosophy of science | 1 | 2 | 2 | 1 | 2 | 3 | 4 | 7 |
| Linguistics | 10 | 8 | 9 | 8 | 10 | 9 | 6 | 11 |
| Political science and public administration | 91 | 90 | 99 | 119 | 133 | 132 | 144 | 147 |
| Sociology | 45 | 52 | 50 | 46 | 49 | 39 | 39 | 38 |
| Other | 77 | 89 | 86 | 107 | 109 | 97 | 111 | 127 |
| Engineering | 67 | 70 | 65 | 69 | 85 | 75 | 67 | 72 |
| Aerospace | 0 | 2 | 2 | 2 | 4 | 3 | 2 | 1 |
| Agricultural | 0 | 2 | 2 | 2 | 2 | 0 | 1 | 3 |
| Biomedical | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 5 |
| Chemical | 5 | 11 | 8 | 8 | 6 | 13 | 7 | 5 |
| Civil | 13 | 10 | 14 | 18 | 23 | 16 | 14 | 19 |
| Electrical | 11 | 11 | 6 | 12 | 14 | 11 | 7 | 4 |
| Engineering science/physics | 1 | 2 | 2 | 3 | 4 | 5 | 4 | 3 |
| Industrial/manufacturing | 16 | 14 | 13 | 7 | 15 | 11 | 16 | 17 |
| Mechanical | 8 | 9 | 9 | 9 | 7 | 6 | 7 | 4 |
| Metallurgical/materials | 5 | 2 | 2 | 2 | 2 | 0 | 0 | 4 |
| Mining | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Nuclear | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 6 | 5 | 6 | 3 | 4 | 5 | 3 | 7 |
| Other or unknown race/ethnicity | 8,126 | 8,908 | 9,122 | 9,922 | 11,230 | 12,639 | 14,998 | 15,683 |
| Science | 7,363 | 8,098 | 8,255 | 8,924 | 9,975 | 11,515 | 13,670 | 14,210 |
| Agricultural sciences | 113 | 185 | 220 | 213 | 218 | 238 | 255 | 290 |
| Biological sciences | 1,215 | 1,223 | 1,286 | 1,389 | 1,675 | 1,763 | 2,009 | 1,946 |
| Anatomy | 9 | 10 | 5 | 18 | 14 | 17 | 22 | 20 |
| Biochemistry | 61 | 42 | 69 | 105 | 128 | 95 | 129 | 84 |
| Biology | 397 | 337 | 342 | 363 | 443 | 516 | 512 | 530 |
| Biometry/epidemiology | 101 | 99 | 115 | 63 | 83 | 95 | 159 | 149 |
| Biophysics | 13 | 15 | 6 | 10 | 10 | 14 | 15 | 12 |
| Botany | 21 | 26 | 27 | 33 | 37 | 43 | 48 | 31 |
| Cell/molecular biology | 98 | 140 | 153 | 176 | 208 | 163 | 200 | 174 |
| Ecology | 32 | 49 | 45 | 54 | 84 | 85 | 85 | 91 |
| Entomology/parasitology | 9 | 10 | 10 | 11 | 10 | 12 | 18 | 21 |
| Genetics | 63 | 73 | 58 | 50 | 54 | 63 | 58 | 54 |
| Microbiology, immunology, and virology | 130 | 118 | 110 | 121 | 140 | 132 | 136 | 128 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Nutrition | 78 | 100 | 128 | 114 | 136 | 154 | 212 | 229 |
| Pathology | 38 | 39 | 39 | 40 | 40 | 30 | 41 | 42 |
| Pharmacology | 27 | 25 | 34 | 43 | 51 | 46 | 50 | 71 |
| Physiology | 24 | 25 | 14 | 22 | 40 | 48 | 53 | 68 |
| Zoology | 21 | 25 | 22 | 21 | 26 | 17 | 19 | 18 |
| Other | 93 | 90 | 109 | 145 | 171 | 233 | 252 | 224 |
| Computer sciences | 667 | 824 | 839 | 964 | 894 | 841 | 733 | 840 |
| Earth, atmospheric, and ocean sciences | 210 | 188 | 194 | 239 | 321 | 336 | 321 | 370 |
| Atmospheric | 11 | 11 | 10 | 10 | 16 | 6 | 16 | 13 |
| Earth | 79 | 80 | 74 | 107 | 143 | 141 | 137 | 168 |
| Ocean | 28 | 32 | 36 | 33 | 45 | 55 | 55 | 58 |
| Other | 92 | 65 | 74 | 89 | 117 | 134 | 113 | 131 |
| Mathematics and statistics | 219 | 210 | 249 | 303 | 335 | 340 | 370 | 353 |
| Mathematics/applied mathematics | 187 | 169 | 195 | 242 | 293 | 285 | 302 | 311 |
| Statistics | 32 | 41 | 54 | 61 | 42 | 55 | 68 | 42 |
| Physical sciences | 284 | 309 | 356 | 339 | 410 | 410 | 420 | 502 |
| Astronomy | 6 | 13 | 13 | 16 | 19 | 16 | 24 | 26 |
| Chemistry | 170 | 184 | 194 | 198 | 267 | 279 | 285 | 352 |
| Physics | 75 | 72 | 117 | 94 | 97 | 89 | 99 | 112 |
| Other | 33 | 40 | 32 | 31 | 27 | 26 | 12 | 12 |
| Psychology | 2,582 | 2,682 | 2,402 | 2,366 | 2,621 | 3,664 | 5,109 | 5,024 |
| Clinical | 445 | 459 | 621 | 625 | 655 | 1,009 | 1,368 | 1,231 |
| General | 606 | 682 | 673 | 530 | 645 | 688 | 784 | 924 |
| Nonclinical | 1,531 | 1,541 | 1,108 | 1,211 | 1,321 | 1,967 | 2,957 | 2,869 |
| Social sciences | 2,073 | 2,477 | 2,709 | 3,111 | 3,501 | 3,923 | 4,453 | 4,885 |
| Agricultural economics | 13 | 14 | 24 | 27 | 21 | 29 | 32 | 38 |
| Anthropology (cultural and social) | 236 | 290 | 311 | 308 | 356 | 371 | 400 | 464 |
| Economics | 99 | 141 | 171 | 182 | 149 | 157 | 144 | 165 |
| Geography | 74 | 84 | 77 | 86 | 102 | 100 | 104 | 121 |
| History and philosophy of science | 6 | 8 | 10 | 31 | 28 | 35 | 31 | 33 |
| Linguistics | 72 | 109 | 91 | 103 | 151 | 124 | 122 | 157 |
| Political science and public administration | 727 | 886 | 1,018 | 1,357 | 1,643 | 1,967 | 2,359 | 2,519 |
| Sociology | 217 | 267 | 242 | 265 | 269 | 311 | 341 | 344 |
| Other | 629 | 678 | 765 | 752 | 782 | 829 | 920 | 1,044 |
| Engineering | 763 | 810 | 867 | 998 | 1,255 | 1,124 | 1,328 | 1,473 |
| Aerospace | 18 | 15 | 15 | 21 | 36 | 31 | 33 | 62 |
| Agricultural | 12 | 13 | 10 | 5 | 7 | 6 | 4 | 4 |
| Biomedical | 32 | 22 | 53 | 63 | 108 | 74 | 117 | 129 |
| Chemical | 63 | 67 | 46 | 56 | 64 | 65 | 62 | 56 |
| Civil | 152 | 129 | 156 | 209 | 227 | 229 | 263 | 299 |
| Electrical | 237 | 292 | 301 | 280 | 361 | 251 | 305 | 332 |
| Engineering science/physics | 12 | 17 | 23 | 21 | 5 | 15 | 21 | 20 |
| Industrial/manufacturing | 107 | 119 | 112 | 152 | 193 | 204 | 234 | 256 |
| Mechanical | 65 | 72 | 66 | 81 | 99 | 105 | 129 | 136 |
| Metallurgical/materials | 16 | 13 | 21 | 17 | 30 | 26 | 29 | 50 |
| Mining | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 |
| Nuclear | 1 | 1 | 1 | 2 | 4 | 6 | 8 | 9 |
| Petroleum | 1 | 8 | 8 | 12 | 2 | 2 | 2 | 3 |
| Other | 47 | 42 | 55 | 79 | 119 | 108 | 119 | 116 |
| Temporary residents | 32,965 | 36,803 | 40,756 | 44,389 | 46,034 | 46,140 | 45,695 | 47,286 |
| Science | 25,459 | 28,100 | 30,910 | 33,214 | 33,879 | 34,113 | 34,080 | 34,808 |
| Agricultural sciences | 855 | 847 | 937 | 1,012 | 1,038 | 1,091 | 1,090 | 1,142 |
| Biological sciences | 5,441 | 5,843 | 6,386 | 7,157 | 7,907 | 8,548 | 8,918 | 9,065 |
| Anatomy | 66 | 73 | 74 | 84 | 101 | 85 | 94 | 118 |
| Biochemistry | 662 | 720 | 760 | 822 | 914 | 951 | 1,035 | 1,024 |
| Biology | 977 | 1,027 | 1,129 | 1,272 | 1,391 | 1,558 | 1,657 | 1,766 |
| Biometry/epidemiology | 376 | 433 | 512 | 612 | 698 | 698 | 701 | 689 |
| Biophysics | 43 | 56 | 75 | 85 | 108 | 138 | 136 | 140 |

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|--------|--------|--------|--------|--------|
| Botany | 257 | 269 | 273 | 303 | 293 | 308 | 329 | 357 |
| Cell/molecular biology | 474 | 563 | 613 | 696 | 792 | 915 | 935 | 976 |
| Ecology | 74 | 85 | 84 | 92 | 136 | 130 | 118 | 128 |
| Entomology/parasitology | 84 | 85 | 85 | 96 | 105 | 117 | 108 | 100 |
| Genetics | 172 | 181 | 215 | 222 | 274 | 314 | 339 | 347 |
| Microbiology, immunology, and virology | 482 | 469 | 544 | 631 | 634 | 716 | 698 | 644 |
| Nutrition | 686 | 731 | 764 | 756 | 750 | 762 | 755 | 783 |
| Pathology | 126 | 131 | 137 | 154 | 182 | 161 | 172 | 157 |
| Pharmacology | 279 | 319 | 350 | 391 | 441 | 446 | 477 | 414 |
| Physiology | 188 | 189 | 213 | 224 | 264 | 263 | 247 | 251 |
| Zoology | 68 | 82 | 88 | 98 | 89 | 88 | 98 | 106 |
| Other | 427 | 430 | 470 | 619 | 735 | 898 | 1,019 | 1,065 |
| Computer sciences | 5,133 | 6,674 | 7,659 | 7,819 | 6,765 | 5,915 | 5,269 | 5,321 |
| Earth, atmospheric, and ocean sciences | 857 | 896 | 981 | 1,016 | 1,045 | 1,078 | 1,099 | 1,106 |
| Atmospheric | 105 | 102 | 106 | 121 | 110 | 105 | 119 | 96 |
| Earth | 331 | 355 | 385 | 432 | 477 | 502 | 514 | 538 |
| Ocean | 184 | 202 | 206 | 185 | 196 | 218 | 207 | 214 |
| Other | 237 | 237 | 284 | 278 | 262 | 253 | 259 | 258 |
| Mathematics and statistics | 2,061 | 2,119 | 2,343 | 2,507 | 2,756 | 2,705 | 2,697 | 2,836 |
| Mathematics/applied mathematics | 1,495 | 1,474 | 1,519 | 1,586 | 1,629 | 1,631 | 1,643 | 1,718 |
| Statistics | 566 | 645 | 824 | 921 | 1,127 | 1,074 | 1,054 | 1,118 |
| Physical sciences | 3,053 | 3,283 | 3,477 | 3,888 | 4,273 | 4,543 | 4,628 | 4,635 |
| Astronomy | 53 | 70 | 74 | 73 | 92 | 97 | 92 | 96 |
| Chemistry | 2,140 | 2,279 | 2,402 | 2,742 | 3,038 | 3,239 | 3,260 | 3,258 |
| Physics | 829 | 911 | 967 | 1,039 | 1,117 | 1,181 | 1,253 | 1,251 |
| Other | 31 | 23 | 34 | 34 | 26 | 26 | 23 | 30 |
| Psychology | 1,449 | 1,511 | 1,744 | 1,765 | 1,953 | 1,946 | 2,147 | 2,055 |
| Clinical | 280 | 306 | 334 | 373 | 390 | 341 | 398 | 352 |
| General | 435 | 500 | 606 | 561 | 647 | 646 | 731 | 687 |
| Nonclinical | 734 | 705 | 804 | 831 | 916 | 959 | 1,018 | 1,016 |
| Social sciences | 6,610 | 6,927 | 7,383 | 8,050 | 8,142 | 8,287 | 8,232 | 8,648 |
| Agricultural economics | 322 | 376 | 412 | 416 | 433 | 377 | 387 | 423 |
| Anthropology (cultural and social) | 448 | 465 | 421 | 460 | 456 | 490 | 481 | 514 |
| Economics | 1,780 | 1,950 | 2,160 | 2,330 | 2,433 | 2,467 | 2,410 | 2,494 |
| Geography | 237 | 244 | 293 | 320 | 337 | 335 | 329 | 315 |
| History and philosophy of science | 18 | 30 | 25 | 27 | 22 | 25 | 26 | 35 |
| Linguistics | 600 | 614 | 632 | 654 | 627 | 658 | 618 | 633 |
| Political science and public administration | 1,641 | 1,799 | 1,903 | 2,237 | 2,298 | 2,350 | 2,308 | 2,471 |
| Sociology | 713 | 772 | 841 | 828 | 842 | 806 | 827 | 816 |
| Other | 851 | 677 | 696 | 778 | 694 | 779 | 846 | 947 |
| Engineering | 7,506 | 8,703 | 9,846 | 11,175 | 12,155 | 12,027 | 11,615 | 12,478 |
| Aerospace | 168 | 187 | 210 | 216 | 213 | 223 | 207 | 216 |
| Agricultural | 105 | 97 | 104 | 105 | 124 | 128 | 146 | 167 |
| Biomedical | 256 | 290 | 368 | 496 | 638 | 748 | 741 | 784 |
| Chemical | 713 | 828 | 855 | 915 | 1,013 | 984 | 970 | 1,042 |
| Civil | 1,202 | 1,368 | 1,546 | 1,696 | 1,846 | 1,879 | 1,807 | 1,764 |
| Electrical | 2,744 | 3,290 | 3,832 | 4,602 | 4,832 | 4,613 | 4,242 | 4,711 |
| Engineering science/physics | 104 | 147 | 154 | 178 | 230 | 211 | 184 | 201 |
| Industrial/manufacturing | 656 | 817 | 919 | 965 | 1,009 | 997 | 1,068 | 1,140 |
| Mechanical | 647 | 786 | 831 | 923 | 991 | 1,021 | 1,002 | 987 |
| Metallurgical/materials | 466 | 460 | 551 | 583 | 629 | 631 | 660 | 659 |
| Mining | 12 | 14 | 4 | 7 | 12 | 9 | 9 | 16 |
| Nuclear | 57 | 61 | 69 | 61 | 67 | 73 | 68 | 68 |
| Petroleum | 65 | 47 | 51 | 67 | 105 | 101 | 93 | 101 |
| Other | 311 | 311 | 352 | 361 | 446 | 409 | 418 | 622 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| All male S&E graduate students | 242,786 | 243,057 | 251,810 | 266,217 | 276,248 | 274,008 | 271,967 | 275,181 |
| Science | 160,982 | 159,691 | 164,574 | 171,516 | 176,458 | 177,714 | 178,297 | 180,084 |
| Agricultural sciences | 7,263 | 6,935 | 6,892 | 7,045 | 7,171 | 7,187 | 6,921 | 6,717 |
| Biological sciences | 27,338 | 26,475 | 26,590 | 27,677 | 28,818 | 29,276 | 29,958 | 30,572 |
| Anatomy | 404 | 428 | 383 | 455 | 442 | 430 | 472 | 474 |
| Biochemistry | 2,835 | 2,735 | 2,694 | 2,768 | 2,957 | 2,969 | 2,996 | 3,012 |
| Biology | 6,846 | 6,401 | 6,163 | 6,308 | 6,612 | 6,841 | 7,043 | 7,407 |
| Biometry/epidemiology | 1,381 | 1,374 | 1,390 | 1,519 | 1,668 | 1,807 | 1,796 | 1,804 |
| Biophysics | 497 | 520 | 615 | 647 | 693 | 746 | 775 | 798 |
| Botany | 992 | 918 | 947 | 954 | 905 | 857 | 875 | 888 |
| Cell/molecular biology | 2,277 | 2,326 | 2,390 | 2,584 | 2,683 | 2,735 | 2,887 | 3,023 |
| Ecology | 823 | 846 | 909 | 928 | 1,022 | 993 | 955 | 938 |
| Entomology/parasitology | 739 | 662 | 690 | 699 | 669 | 676 | 606 | 596 |
| Genetics | 767 | 739 | 795 | 797 | 857 | 846 | 846 | 837 |
| Microbiology, immunology, and virology | 2,365 | 2,382 | 2,303 | 2,400 | 2,323 | 2,322 | 2,319 | 2,274 |
| Nutrition | 1,077 | 1,034 | 993 | 1,027 | 1,037 | 1,050 | 1,026 | 1,101 |
| Pathology | 776 | 702 | 742 | 707 | 631 | 635 | 635 | 631 |
| Pharmacology | 1,414 | 1,447 | 1,482 | 1,461 | 1,539 | 1,429 | 1,401 | 1,321 |
| Physiology | 1,185 | 1,133 | 1,056 | 1,082 | 1,184 | 1,180 | 1,144 | 1,141 |
| Zoology | 853 | 803 | 744 | 711 | 656 | 596 | 628 | 559 |
| Other | 2,107 | 2,025 | 2,294 | 2,630 | 2,940 | 3,164 | 3,554 | 3,768 |
| Computer sciences | 29,933 | 33,270 | 36,894 | 39,244 | 38,880 | 36,739 | 35,933 | 35,591 |
| Earth, atmospheric, and ocean sciences | 8,358 | 8,188 | 7,949 | 7,993 | 8,082 | 8,199 | 7,941 | 7,916 |
| Atmospheric | 671 | 695 | 626 | 703 | 776 | 723 | 758 | 712 |
| Earth | 4,237 | 4,141 | 4,061 | 4,099 | 4,125 | 4,299 | 4,169 | 4,096 |
| Ocean | 1,402 | 1,401 | 1,330 | 1,309 | 1,303 | 1,292 | 1,279 | 1,273 |
| Other | 2,048 | 1,951 | 1,932 | 1,882 | 1,878 | 1,885 | 1,735 | 1,835 |
| Mathematics and statistics | 10,214 | 9,870 | 10,381 | 11,277 | 12,176 | 12,434 | 12,773 | 13,122 |
| Mathematics/applied mathematics | 8,659 | 8,315 | 8,751 | 9,463 | 10,163 | 10,351 | 10,546 | 10,877 |
| Statistics | 1,555 | 1,555 | 1,630 | 1,814 | 2,013 | 2,083 | 2,227 | 2,245 |
| Physical sciences | 21,776 | 21,270 | 21,702 | 22,275 | 23,520 | 24,461 | 24,649 | 24,896 |
| Astronomy | 607 | 621 | 651 | 688 | 735 | 764 | 797 | 804 |
| Chemistry | 11,799 | 11,349 | 11,511 | 11,720 | 12,210 | 12,544 | 12,678 | 12,707 |
| Physics | 8,993 | 8,931 | 9,206 | 9,500 | 10,189 | 10,797 | 10,803 | 11,012 |
| Other | 377 | 369 | 334 | 367 | 386 | 356 | 371 | 373 |
| Psychology | 14,456 | 13,594 | 13,147 | 13,435 | 13,383 | 13,970 | 13,963 | 13,950 |
| Clinical | 3,513 | 3,205 | 3,089 | 3,142 | 3,163 | 3,148 | 3,271 | 3,104 |
| General | 4,816 | 4,555 | 4,512 | 4,453 | 4,544 | 5,131 | 4,690 | 4,633 |
| Nonclinical | 6,127 | 5,834 | 5,546 | 5,840 | 5,676 | 5,691 | 6,002 | 6,213 |
| Social sciences | 41,644 | 40,089 | 41,019 | 42,570 | 44,428 | 45,448 | 46,159 | 47,320 |
| Agricultural economics | 1,299 | 1,290 | 1,326 | 1,343 | 1,418 | 1,341 | 1,252 | 1,249 |
| Anthropology (cultural and social) | 2,989 | 2,941 | 2,929 | 2,864 | 2,919 | 2,853 | 2,810 | 2,935 |
| Economics | 7,063 | 6,983 | 7,413 | 7,741 | 7,808 | 7,833 | 7,551 | 7,789 |
| Geography | 2,547 | 2,409 | 2,503 | 2,540 | 2,693 | 2,801 | 2,787 | 2,748 |
| History and philosophy of science | 345 | 313 | 327 | 362 | 425 | 580 | 525 | 540 |
| Linguistics | 966 | 930 | 951 | 984 | 1,023 | 1,014 | 1,132 | 1,088 |
| Political science and public administration | 15,799 | 15,204 | 15,304 | 16,315 | 17,038 | 18,203 | 18,898 | 19,545 |
| Sociology | 3,498 | 3,354 | 3,388 | 3,444 | 3,493 | 3,372 | 3,528 | 3,532 |
| Other | 7,138 | 6,665 | 6,878 | 6,977 | 7,611 | 7,451 | 7,676 | 7,894 |
| Engineering | 81,804 | 83,366 | 87,236 | 94,701 | 99,790 | 96,294 | 93,670 | 95,097 |
| Aerospace | 2,926 | 2,938 | 2,966 | 3,169 | 3,445 | 3,489 | 3,563 | 3,773 |
| Agricultural | 717 | 661 | 647 | 664 | 743 | 730 | 736 | 723 |
| Biomedical | 2,083 | 2,141 | 2,361 | 2,825 | 3,357 | 3,624 | 3,770 | 3,996 |
| Chemical | 5,150 | 5,181 | 5,084 | 5,419 | 5,416 | 5,346 | 5,094 | 5,102 |
| Civil | 12,069 | 12,174 | 12,162 | 12,808 | 13,492 | 13,120 | 12,709 | 12,379 |
| Electrical | 26,689 | 28,075 | 29,888 | 32,678 | 33,969 | 31,794 | 30,662 | 31,239 |
| Engineering science/physics | 1,308 | 1,290 | 1,435 | 1,691 | 1,775 | 1,733 | 1,532 | 1,595 |
| Industrial/manufacturing | 9,144 | 9,406 | 10,132 | 10,957 | 11,047 | 10,622 | 10,354 | 10,363 |
| Mechanical | 13,168 | 13,403 | 13,908 | 15,056 | 16,039 | 15,396 | 14,965 | 15,434 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Metallurgical/materials | 3,397 | 3,336 | 3,548 | 3,741 | 3,800 | 3,738 | 3,812 | 3,878 |
| Mining | 273 | 241 | 204 | 230 | 236 | 266 | 240 | 201 |
| Nuclear | 686 | 636 | 644 | 647 | 703 | 775 | 802 | 885 |
| Petroleum | 560 | 540 | 565 | 659 | 720 | 711 | 687 | 678 |
| Other | 3,634 | 3,344 | 3,692 | 4,157 | 5,048 | 4,950 | 4,744 | 4,851 |
| U.S. citizens and permanent residents | 165,823 | 156,975 | 157,945 | 164,891 | 174,818 | 176,297 | 177,900 | 179,783 |
| Science | 118,016 | 112,367 | 113,466 | 117,406 | 122,940 | 125,163 | 126,629 | 127,551 |
| Agricultural sciences | 5,580 | 5,371 | 5,316 | 5,444 | 5,613 | 5,583 | 5,352 | 5,184 |
| Biological sciences | 21,590 | 20,557 | 20,533 | 20,999 | 21,889 | 21,993 | 22,409 | 22,730 |
| Anatomy | 317 | 324 | 281 | 340 | 340 | 336 | 371 | 377 |
| Biochemistry | 2,042 | 1,866 | 1,869 | 1,859 | 1,974 | 1,923 | 1,942 | 1,949 |
| Biology | 5,831 | 5,374 | 5,099 | 5,135 | 5,434 | 5,598 | 5,681 | 5,941 |
| Biometry/epidemiology | 1,006 | 986 | 999 | 1,032 | 1,170 | 1,293 | 1,295 | 1,257 |
| Biophysics | 386 | 372 | 427 | 433 | 482 | 509 | 536 | 553 |
| Botany | 661 | 603 | 646 | 639 | 614 | 563 | 539 | 543 |
| Cell/molecular biology | 1,853 | 1,858 | 1,870 | 2,018 | 2,043 | 2,025 | 2,134 | 2,175 |
| Ecology | 723 | 745 | 799 | 802 | 886 | 851 | 824 | 809 |
| Entomology/parasitology | 521 | 467 | 500 | 512 | 488 | 490 | 432 | 406 |
| Genetics | 556 | 543 | 568 | 586 | 616 | 595 | 595 | 586 |
| Microbiology, immunology, and virology | 1,904 | 1,916 | 1,843 | 1,834 | 1,814 | 1,810 | 1,797 | 1,819 |
| Nutrition | 699 | 649 | 597 | 621 | 587 | 636 | 630 | 692 |
| Pathology | 607 | 532 | 586 | 562 | 482 | 480 | 467 | 468 |
| Pharmacology | 1,124 | 1,141 | 1,184 | 1,172 | 1,207 | 1,071 | 1,025 | 993 |
| Physiology | 919 | 876 | 838 | 852 | 927 | 924 | 925 | 929 |
| Zoology | 762 | 711 | 631 | 590 | 565 | 502 | 515 | 468 |
| Other | 1,679 | 1,594 | 1,796 | 2,012 | 2,260 | 2,387 | 2,701 | 2,765 |
| Computer sciences | 17,911 | 17,682 | 18,499 | 19,997 | 21,369 | 20,899 | 20,633 | 19,934 |
| Earth, atmospheric, and ocean sciences | 6,695 | 6,392 | 6,148 | 6,232 | 6,344 | 6,483 | 6,262 | 6,255 |
| Atmospheric | 502 | 493 | 447 | 509 | 597 | 555 | 580 | 550 |
| Earth | 3,344 | 3,194 | 3,091 | 3,152 | 3,169 | 3,349 | 3,256 | 3,206 |
| Ocean | 1,070 | 1,077 | 1,022 | 1,028 | 1,010 | 1,013 | 996 | 984 |
| Other | 1,779 | 1,628 | 1,588 | 1,543 | 1,568 | 1,566 | 1,430 | 1,515 |
| Mathematics and statistics | 6,348 | 5,932 | 6,240 | 6,760 | 7,524 | 7,732 | 8,028 | 8,362 |
| Mathematics/applied mathematics | 5,494 | 5,112 | 5,423 | 5,835 | 6,487 | 6,658 | 6,908 | 7,236 |
| Statistics | 854 | 820 | 817 | 925 | 1,037 | 1,074 | 1,120 | 1,126 |
| Physical sciences | 13,697 | 12,898 | 12,976 | 13,073 | 13,666 | 14,391 | 14,577 | 14,774 |
| Astronomy | 421 | 420 | 442 | 458 | 494 | 491 | 526 | 534 |
| Chemistry | 7,854 | 7,406 | 7,344 | 7,209 | 7,367 | 7,644 | 7,670 | 7,664 |
| Physics | 5,093 | 4,758 | 4,916 | 5,097 | 5,495 | 5,950 | 6,057 | 6,263 |
| Other | 329 | 314 | 274 | 309 | 310 | 306 | 324 | 313 |
| Psychology | 13,666 | 12,842 | 12,370 | 12,343 | 12,229 | 12,722 | 13,056 | 13,154 |
| Clinical | 3,397 | 3,121 | 2,995 | 2,920 | 2,934 | 3,045 | 3,167 | 3,015 |
| General | 4,531 | 4,243 | 4,185 | 4,035 | 4,090 | 4,405 | 4,272 | 4,304 |
| Nonclinical | 5,738 | 5,478 | 5,190 | 5,388 | 5,205 | 5,272 | 5,617 | 5,835 |
| Social sciences | 32,529 | 30,693 | 31,384 | 32,558 | 34,306 | 35,360 | 36,312 | 37,158 |
| Agricultural economics | 696 | 652 | 686 | 713 | 754 | 725 | 674 | 690 |
| Anthropology (cultural and social) | 2,614 | 2,577 | 2,581 | 2,477 | 2,553 | 2,483 | 2,433 | 2,524 |
| Economics | 3,310 | 3,126 | 3,289 | 3,451 | 3,624 | 3,718 | 3,584 | 3,785 |
| Geography | 2,186 | 2,025 | 2,071 | 2,113 | 2,246 | 2,346 | 2,332 | 2,300 |
| History and philosophy of science | 304 | 274 | 282 | 321 | 378 | 536 | 472 | 488 |
| Linguistics | 604 | 584 | 621 | 656 | 687 | 667 | 820 | 771 |
| Political science and public administration | 13,521 | 12,844 | 12,984 | 13,898 | 14,459 | 15,584 | 16,321 | 16,709 |
| Sociology | 2,953 | 2,794 | 2,837 | 2,882 | 2,920 | 2,821 | 2,970 | 2,969 |
| Other | 6,341 | 5,817 | 6,033 | 6,047 | 6,685 | 6,480 | 6,706 | 6,922 |
| Engineering | 47,807 | 44,608 | 44,479 | 47,485 | 51,878 | 51,134 | 51,271 | 52,232 |
| Aerospace | 1,562 | 1,612 | 1,530 | 1,699 | 1,971 | 2,024 | 2,128 | 2,505 |
| Agricultural | 398 | 361 | 334 | 346 | 377 | 373 | 361 | 341 |
| Biomedical | 1,488 | 1,482 | 1,600 | 1,805 | 2,091 | 2,240 | 2,365 | 2,596 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Chemical | 2,849 | 2,664 | 2,424 | 2,606 | 2,649 | 2,631 | 2,566 | 2,568 |
| Civil | 7,846 | 7,397 | 7,115 | 7,344 | 7,906 | 7,874 | 7,817 | 7,762 |
| Electrical | 14,128 | 13,069 | 13,154 | 13,911 | 15,156 | 14,290 | 14,116 | 13,851 |
| Engineering science/physics | 878 | 760 | 845 | 987 | 995 | 933 | 861 | 920 |
| Industrial/manufacturing | 6,070 | 5,678 | 5,699 | 6,179 | 6,563 | 6,530 | 6,843 | 6,923 |
| Mechanical | 7,619 | 7,006 | 7,028 | 7,402 | 8,239 | 8,289 | 8,313 | 8,707 |
| Metallurgical/materials | 1,820 | 1,684 | 1,763 | 1,814 | 1,844 | 1,811 | 1,830 | 1,959 |
| Mining | 176 | 123 | 104 | 135 | 137 | 156 | 131 | 102 |
| Nuclear | 411 | 362 | 357 | 377 | 417 | 493 | 531 | 634 |
| Petroleum | 131 | 225 | 227 | 258 | 150 | 161 | 164 | 161 |
| Other | 2,431 | 2,185 | 2,299 | 2,622 | 3,383 | 3,329 | 3,245 | 3,203 |
| White | 121,810 | 113,782 | 113,258 | 116,605 | 122,130 | 122,938 | 123,187 | 123,478 |
| Science | 87,611 | 82,325 | 82,400 | 84,105 | 87,553 | 88,561 | 89,006 | 89,186 |
| Agricultural sciences | 4,856 | 4,626 | 4,547 | 4,670 | 4,738 | 4,745 | 4,516 | 4,314 |
| Biological sciences | 16,511 | 15,578 | 15,347 | 15,600 | 16,060 | 16,031 | 16,212 | 16,391 |
| Anatomy | 238 | 241 | 218 | 248 | 238 | 239 | 259 | 264 |
| Biochemistry | 1,507 | 1,409 | 1,356 | 1,369 | 1,393 | 1,400 | 1,399 | 1,426 |
| Biology | 4,470 | 4,105 | 3,920 | 3,914 | 4,105 | 4,175 | 4,222 | 4,337 |
| Biometry/epidemiology | 696 | 672 | 664 | 663 | 785 | 831 | 788 | 769 |
| Biophysics | 266 | 253 | 290 | 299 | 338 | 376 | 380 | 406 |
| Botany | 576 | 521 | 540 | 520 | 503 | 462 | 456 | 442 |
| Cell/molecular biology | 1,409 | 1,355 | 1,332 | 1,427 | 1,427 | 1,455 | 1,501 | 1,514 |
| Ecology | 654 | 651 | 703 | 700 | 751 | 716 | 688 | 671 |
| Entomology/parasitology | 474 | 423 | 423 | 449 | 429 | 429 | 374 | 349 |
| Genetics | 395 | 384 | 406 | 406 | 412 | 407 | 422 | 416 |
| Microbiology, immunology, and virology | 1,404 | 1,409 | 1,305 | 1,313 | 1,282 | 1,280 | 1,250 | 1,288 |
| Nutrition | 543 | 492 | 436 | 460 | 437 | 456 | 449 | 520 |
| Pathology | 436 | 380 | 407 | 390 | 321 | 333 | 339 | 338 |
| Pharmacology | 852 | 867 | 878 | 855 | 868 | 747 | 696 | 669 |
| Physiology | 635 | 586 | 570 | 580 | 634 | 623 | 632 | 639 |
| Zoology | 701 | 650 | 567 | 520 | 492 | 447 | 450 | 409 |
| Other | 1,255 | 1,180 | 1,332 | 1,487 | 1,645 | 1,655 | 1,907 | 1,934 |
| Computer sciences | 10,856 | 10,839 | 11,279 | 12,000 | 13,221 | 13,089 | 12,934 | 12,362 |
| Earth, atmospheric, and ocean sciences | 5,873 | 5,612 | 5,362 | 5,389 | 5,422 | 5,521 | 5,328 | 5,286 |
| Atmospheric | 441 | 431 | 391 | 448 | 502 | 459 | 481 | 468 |
| Earth | 2,986 | 2,850 | 2,752 | 2,761 | 2,757 | 2,939 | 2,840 | 2,760 |
| Ocean | 930 | 951 | 872 | 891 | 869 | 861 | 833 | 829 |
| Other | 1,516 | 1,380 | 1,347 | 1,289 | 1,294 | 1,262 | 1,174 | 1,229 |
| Mathematics and statistics | 4,798 | 4,354 | 4,587 | 4,877 | 5,353 | 5,566 | 5,738 | 5,941 |
| Mathematics/applied mathematics | 4,129 | 3,728 | 3,957 | 4,202 | 4,585 | 4,828 | 4,987 | 5,166 |
| Statistics | 669 | 626 | 630 | 675 | 768 | 738 | 751 | 775 |
| Physical sciences | 10,872 | 10,176 | 10,084 | 10,123 | 10,515 | 11,008 | 11,297 | 11,233 |
| Astronomy | 365 | 360 | 373 | 388 | 411 | 425 | 440 | 439 |
| Chemistry | 6,212 | 5,855 | 5,806 | 5,611 | 5,619 | 5,768 | 5,897 | 5,721 |
| Physics | 4,101 | 3,773 | 3,730 | 3,926 | 4,288 | 4,619 | 4,707 | 4,843 |
| Other | 194 | 188 | 175 | 198 | 197 | 196 | 253 | 230 |
| Psychology | 10,195 | 9,359 | 9,024 | 8,817 | 8,680 | 8,560 | 8,745 | 8,913 |
| Clinical | 2,635 | 2,342 | 2,205 | 2,101 | 2,094 | 2,072 | 2,070 | 2,038 |
| General | 3,448 | 3,155 | 3,132 | 3,015 | 2,965 | 2,961 | 3,062 | 3,054 |
| Nonclinical | 4,112 | 3,862 | 3,687 | 3,701 | 3,621 | 3,527 | 3,613 | 3,821 |
| Social sciences | 23,650 | 21,781 | 22,170 | 22,629 | 23,564 | 24,041 | 24,236 | 24,746 |
| Agricultural economics | 572 | 535 | 557 | 589 | 629 | 612 | 562 | 550 |
| Anthropology (cultural and social) | 2,130 | 2,049 | 2,042 | 1,962 | 1,986 | 1,926 | 1,859 | 1,907 |
| Economics | 2,445 | 2,230 | 2,304 | 2,336 | 2,450 | 2,573 | 2,531 | 2,613 |
| Geography | 1,889 | 1,745 | 1,785 | 1,806 | 1,892 | 1,980 | 1,934 | 1,887 |
| History and philosophy of science | 261 | 228 | 232 | 229 | 296 | 405 | 371 | 378 |
| Linguistics | 474 | 436 | 463 | 466 | 489 | 457 | 553 | 562 |
| Political science and public administration | 9,554 | 8,851 | 8,945 | 9,306 | 9,513 | 10,045 | 10,260 | 10,549 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 1,971 | 1,864 | 1,894 | 1,925 | 1,933 | 1,874 | 1,978 | 1,998 |
| Other | 4,354 | 3,843 | 3,948 | 4,010 | 4,376 | 4,169 | 4,188 | 4,302 |
| Engineering | 34,199 | 31,457 | 30,858 | 32,500 | 34,577 | 34,377 | 34,181 | 34,292 |
| Aerospace | 1,239 | 1,233 | 1,224 | 1,295 | 1,468 | 1,535 | 1,572 | 1,643 |
| Agricultural | 329 | 301 | 275 | 298 | 322 | 320 | 305 | 285 |
| Biomedical | 1,125 | 1,070 | 1,106 | 1,259 | 1,371 | 1,446 | 1,513 | 1,635 |
| Chemical | 2,162 | 1,964 | 1,807 | 1,912 | 1,919 | 1,990 | 1,897 | 1,885 |
| Civil | 5,990 | 5,641 | 5,381 | 5,479 | 5,834 | 5,772 | 5,672 | 5,511 |
| Electrical | 8,798 | 8,001 | 7,865 | 8,093 | 8,673 | 8,476 | 8,243 | 7,969 |
| Engineering science/physics | 650 | 539 | 579 | 723 | 749 | 692 | 641 | 662 |
| Industrial/manufacturing | 4,446 | 4,118 | 4,093 | 4,419 | 4,357 | 4,223 | 4,440 | 4,338 |
| Mechanical | 5,742 | 5,318 | 5,204 | 5,511 | 5,979 | 6,074 | 6,036 | 6,367 |
| Metallurgical/materials | 1,492 | 1,325 | 1,390 | 1,414 | 1,427 | 1,326 | 1,377 | 1,443 |
| Mining | 129 | 104 | 86 | 111 | 111 | 132 | 99 | 82 |
| Nuclear | 358 | 313 | 300 | 320 | 352 | 408 | 438 | 493 |
| Petroleum | 111 | 95 | 102 | 110 | 113 | 109 | 100 | 98 |
| Other | 1,628 | 1,435 | 1,446 | 1,556 | 1,902 | 1,874 | 1,848 | 1,881 |
| Asian/Pacific Islander | 16,046 | 14,356 | 15,121 | 16,583 | 17,963 | 16,940 | 16,689 | 16,413 |
| Science | 9,894 | 8,914 | 9,250 | 9,927 | 10,378 | 10,188 | 9,960 | 9,830 |
| Agricultural sciences | 143 | 112 | 115 | 136 | 151 | 136 | 132 | 165 |
| Biological sciences | 2,099 | 1,993 | 2,168 | 2,184 | 2,264 | 2,252 | 2,294 | 2,354 |
| Anatomy | 42 | 51 | 34 | 41 | 46 | 44 | 47 | 50 |
| Biochemistry | 306 | 231 | 266 | 221 | 247 | 232 | 219 | 218 |
| Biology | 355 | 337 | 315 | 330 | 342 | 374 | 352 | 400 |
| Biometry/epidemiology | 119 | 134 | 139 | 169 | 165 | 211 | 204 | 215 |
| Biophysics | 71 | 72 | 94 | 81 | 83 | 63 | 77 | 70 |
| Botany | 25 | 22 | 39 | 50 | 42 | 36 | 23 | 26 |
| Cell/molecular biology | 222 | 246 | 255 | 279 | 281 | 231 | 287 | 286 |
| Ecology | 18 | 16 | 18 | 13 | 17 | 22 | 19 | 21 |
| Entomology/parasitology | 9 | 9 | 27 | 15 | 14 | 17 | 13 | 12 |
| Genetics | 79 | 53 | 71 | 82 | 100 | 88 | 81 | 77 |
| Microbiology, immunology, and virology | 196 | 197 | 235 | 214 | 216 | 210 | 215 | 210 |
| Nutrition | 56 | 56 | 53 | 50 | 49 | 44 | 55 | 57 |
| Pathology | 94 | 83 | 87 | 90 | 78 | 73 | 62 | 60 |
| Pharmacology | 146 | 138 | 168 | 174 | 158 | 136 | 145 | 145 |
| Physiology | 170 | 166 | 155 | 160 | 178 | 191 | 182 | 144 |
| Zoology | 15 | 13 | 17 | 16 | 14 | 15 | 14 | 14 |
| Other | 176 | 169 | 195 | 199 | 234 | 265 | 299 | 349 |
| Computer sciences | 3,826 | 3,323 | 3,440 | 3,810 | 3,794 | 3,451 | 3,170 | 2,922 |
| Earth, atmospheric, and ocean sciences | 208 | 179 | 171 | 153 | 158 | 201 | 187 | 173 |
| Atmospheric | 33 | 25 | 15 | 11 | 29 | 31 | 32 | 21 |
| Earth | 78 | 72 | 84 | 79 | 63 | 70 | 75 | 67 |
| Ocean | 31 | 29 | 21 | 27 | 17 | 27 | 27 | 24 |
| Other | 66 | 53 | 51 | 36 | 49 | 73 | 53 | 61 |
| Mathematics and statistics | 565 | 531 | 552 | 653 | 739 | 714 | 761 | 784 |
| Mathematics/applied mathematics | 471 | 435 | 480 | 546 | 631 | 577 | 600 | 623 |
| Statistics | 94 | 96 | 72 | 107 | 108 | 137 | 161 | 161 |
| Physical sciences | 1,046 | 951 | 916 | 893 | 946 | 1,019 | 961 | 1,022 |
| Astronomy | 18 | 19 | 21 | 26 | 36 | 23 | 29 | 36 |
| Chemistry | 638 | 606 | 551 | 539 | 569 | 607 | 564 | 594 |
| Physics | 373 | 317 | 334 | 312 | 322 | 375 | 354 | 377 |
| Other | 17 | 9 | 10 | 16 | 19 | 14 | 14 | 15 |
| Psychology | 536 | 532 | 548 | 553 | 575 | 563 | 561 | 575 |
| Clinical | 126 | 116 | 110 | 103 | 104 | 109 | 110 | 121 |
| General | 172 | 192 | 187 | 182 | 227 | 237 | 241 | 228 |
| Nonclinical | 238 | 224 | 251 | 268 | 244 | 217 | 210 | 226 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Social sciences | 1,471 | 1,293 | 1,340 | 1,545 | 1,751 | 1,852 | 1,894 | 1,835 |
| Agricultural economics | 35 | 17 | 14 | 19 | 20 | 16 | 16 | 26 |
| Anthropology (cultural and social) | 73 | 68 | 67 | 78 | 94 | 89 | 91 | 87 |
| Economics | 357 | 264 | 293 | 326 | 362 | 336 | 336 | 322 |
| Geography | 47 | 39 | 42 | 55 | 62 | 66 | 77 | 88 |
| History and philosophy of science | 11 | 11 | 11 | 12 | 12 | 28 | 16 | 21 |
| Linguistics | 34 | 28 | 48 | 48 | 55 | 48 | 76 | 50 |
| Political science and public administration | 529 | 526 | 521 | 634 | 687 | 784 | 801 | 779 |
| Sociology | 148 | 123 | 124 | 123 | 140 | 126 | 126 | 140 |
| Other | 237 | 217 | 220 | 250 | 319 | 359 | 355 | 322 |
| Engineering | 6,152 | 5,442 | 5,871 | 6,656 | 7,585 | 6,752 | 6,729 | 6,583 |
| Aerospace | 132 | 180 | 111 | 155 | 171 | 161 | 189 | 250 |
| Agricultural | 26 | 19 | 23 | 23 | 20 | 31 | 23 | 23 |
| Biomedical | 203 | 236 | 263 | 288 | 385 | 431 | 451 | 504 |
| Chemical | 310 | 328 | 325 | 353 | 342 | 276 | 287 | 290 |
| Civil | 615 | 506 | 492 | 557 | 658 | 622 | 606 | 588 |
| Electrical | 2,787 | 2,457 | 2,726 | 3,107 | 3,442 | 2,843 | 2,832 | 2,700 |
| Engineering science/physics | 127 | 84 | 98 | 118 | 116 | 120 | 102 | 114 |
| Industrial/manufacturing | 586 | 464 | 474 | 586 | 717 | 656 | 735 | 715 |
| Mechanical | 829 | 634 | 739 | 705 | 823 | 778 | 752 | 744 |
| Metallurgical/materials | 155 | 173 | 166 | 196 | 217 | 250 | 219 | 238 |
| Mining | 40 | 10 | 11 | 19 | 3 | 5 | 4 | 1 |
| Nuclear | 16 | 19 | 19 | 24 | 21 | 28 | 31 | 33 |
| Petroleum | 10 | 37 | 35 | 38 | 9 | 17 | 19 | 13 |
| Other | 316 | 295 | 389 | 487 | 661 | 534 | 479 | 370 |
| Black | 8,565 | 8,298 | 8,382 | 8,908 | 9,456 | 9,777 | 9,625 | 9,780 |
| Science | 6,576 | 6,348 | 6,448 | 6,896 | 7,285 | 7,507 | 7,255 | 7,337 |
| Agricultural sciences | 159 | 139 | 126 | 162 | 194 | 153 | 172 | 152 |
| Biological sciences | 761 | 760 | 792 | 812 | 858 | 869 | 928 | 948 |
| Anatomy | 12 | 10 | 6 | 13 | 15 | 16 | 19 | 14 |
| Biochemistry | 64 | 63 | 53 | 50 | 63 | 59 | 68 | 68 |
| Biology | 262 | 243 | 248 | 231 | 253 | 251 | 276 | 302 |
| Biometry/epidemiology | 58 | 46 | 49 | 62 | 63 | 70 | 73 | 73 |
| Biophysics | 9 | 10 | 10 | 10 | 9 | 13 | 14 | 16 |
| Botany | 8 | 7 | 11 | 12 | 12 | 6 | 4 | 8 |
| Cell/molecular biology | 49 | 59 | 63 | 68 | 55 | 63 | 61 | 61 |
| Ecology | 11 | 13 | 13 | 9 | 16 | 8 | 8 | 9 |
| Entomology/parasitology | 9 | 6 | 9 | 9 | 5 | 2 | 4 | 7 |
| Genetics | 20 | 25 | 23 | 20 | 20 | 15 | 15 | 16 |
| Microbiology, immunology, and virology | 62 | 68 | 57 | 65 | 72 | 83 | 84 | 82 |
| Nutrition | 42 | 41 | 46 | 52 | 38 | 50 | 52 | 45 |
| Pathology | 14 | 13 | 19 | 19 | 21 | 16 | 14 | 16 |
| Pharmacology | 55 | 56 | 59 | 54 | 70 | 67 | 65 | 59 |
| Physiology | 27 | 42 | 42 | 36 | 35 | 36 | 32 | 34 |
| Zoology | 5 | 5 | 5 | 7 | 5 | 4 | 6 | 2 |
| Other | 54 | 53 | 79 | 95 | 106 | 110 | 133 | 136 |
| Computer sciences | 815 | 844 | 943 | 1,063 | 1,128 | 1,091 | 1,047 | 1,052 |
| Earth, atmospheric, and ocean sciences | 112 | 120 | 125 | 135 | 130 | 120 | 110 | 118 |
| Atmospheric | 3 | 9 | 12 | 15 | 20 | 22 | 17 | 18 |
| Earth | 31 | 32 | 32 | 37 | 40 | 41 | 39 | 38 |
| Ocean | 14 | 14 | 16 | 13 | 9 | 8 | 10 | 11 |
| Other | 64 | 65 | 65 | 70 | 61 | 49 | 44 | 51 |
| Mathematics and statistics | 324 | 299 | 320 | 340 | 373 | 364 | 369 | 364 |
| Mathematics/applied mathematics | 295 | 270 | 284 | 296 | 318 | 302 | 315 | 312 |
| Statistics | 29 | 29 | 36 | 44 | 55 | 62 | 54 | 52 |
| Physical sciences | 501 | 493 | 462 | 486 | 508 | 540 | 524 | 503 |
| Astronomy | 6 | 5 | 8 | 6 | 4 | 4 | 5 | 6 |
| Chemistry | 315 | 308 | 290 | 304 | 314 | 332 | 296 | 306 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|--------|--------|--------|--------|
| Physics | 164 | 168 | 158 | 168 | 179 | 191 | 205 | 171 |
| Other | 16 | 12 | 6 | 8 | 11 | 13 | 18 | 20 |
| Psychology | 905 | 871 | 867 | 945 | 934 | 1,238 | 947 | 925 |
| Clinical | 165 | 163 | 148 | 153 | 147 | 170 | 157 | 151 |
| General | 351 | 319 | 316 | 339 | 360 | 634 | 340 | 313 |
| Nonclinical | 389 | 389 | 403 | 453 | 427 | 434 | 450 | 461 |
| Social sciences | 2,999 | 2,822 | 2,813 | 2,953 | 3,160 | 3,132 | 3,158 | 3,275 |
| Agricultural economics | 49 | 42 | 41 | 42 | 40 | 24 | 27 | 35 |
| Anthropology (cultural and social) | 82 | 74 | 58 | 59 | 61 | 56 | 52 | 53 |
| Economics | 158 | 162 | 163 | 185 | 209 | 224 | 178 | 203 |
| Geography | 48 | 47 | 61 | 55 | 61 | 65 | 77 | 80 |
| History and philosophy of science | 7 | 8 | 7 | 13 | 16 | 20 | 22 | 16 |
| Linguistics | 13 | 13 | 15 | 17 | 14 | 16 | 21 | 12 |
| Political science and public administration | 1,567 | 1,445 | 1,468 | 1,590 | 1,610 | 1,693 | 1,660 | 1,729 |
| Sociology | 405 | 357 | 357 | 349 | 376 | 334 | 342 | 331 |
| Other | 670 | 674 | 643 | 643 | 773 | 700 | 779 | 816 |
| Engineering | 1,989 | 1,950 | 1,934 | 2,012 | 2,171 | 2,270 | 2,370 | 2,443 |
| Aerospace | 44 | 49 | 41 | 45 | 50 | 54 | 58 | 61 |
| Agricultural | 20 | 15 | 12 | 11 | 14 | 9 | 13 | 14 |
| Biomedical | 51 | 53 | 58 | 67 | 68 | 78 | 89 | 97 |
| Chemical | 68 | 89 | 78 | 79 | 95 | 95 | 86 | 93 |
| Civil | 277 | 270 | 273 | 271 | 273 | 291 | 295 | 327 |
| Electrical | 686 | 629 | 620 | 645 | 629 | 656 | 654 | 648 |
| Engineering science/physics | 28 | 21 | 23 | 29 | 36 | 26 | 26 | 33 |
| Industrial/manufacturing | 309 | 310 | 349 | 352 | 419 | 441 | 482 | 467 |
| Mechanical | 287 | 292 | 273 | 279 | 296 | 278 | 321 | 344 |
| Metallurgical/materials | 49 | 51 | 61 | 61 | 59 | 57 | 53 | 68 |
| Mining | 1 | 4 | 1 | 1 | 2 | 5 | 3 | 3 |
| Nuclear | 7 | 6 | 7 | 5 | 4 | 8 | 8 | 10 |
| Petroleum | 5 | 7 | 3 | 6 | 10 | 17 | 27 | 21 |
| Other | 157 | 154 | 135 | 161 | 216 | 255 | 255 | 257 |
| Hispanic | 8,196 | 8,268 | 8,514 | 9,188 | 10,182 | 10,591 | 10,919 | 11,301 |
| Science | 5,974 | 5,988 | 6,173 | 6,688 | 7,260 | 7,526 | 7,926 | 8,115 |
| Agricultural sciences | 209 | 223 | 210 | 197 | 251 | 267 | 243 | 258 |
| Biological sciences | 968 | 963 | 1,009 | 1,120 | 1,218 | 1,252 | 1,320 | 1,363 |
| Anatomy | 15 | 14 | 13 | 24 | 26 | 17 | 23 | 22 |
| Biochemistry | 82 | 74 | 87 | 96 | 119 | 104 | 117 | 122 |
| Biology | 318 | 330 | 313 | 349 | 353 | 344 | 372 | 401 |
| Biometry/epidemiology | 47 | 54 | 46 | 71 | 78 | 76 | 79 | 72 |
| Biophysics | 15 | 12 | 17 | 17 | 22 | 21 | 27 | 24 |
| Botany | 22 | 20 | 23 | 23 | 20 | 22 | 21 | 26 |
| Cell/molecular biology | 76 | 68 | 84 | 90 | 96 | 113 | 121 | 144 |
| Ecology | 15 | 18 | 18 | 22 | 20 | 26 | 31 | 27 |
| Entomology/parasitology | 16 | 18 | 21 | 16 | 16 | 18 | 22 | 19 |
| Genetics | 25 | 24 | 24 | 28 | 24 | 28 | 30 | 28 |
| Microbiology, immunology, and virology | 94 | 89 | 100 | 104 | 117 | 122 | 118 | 118 |
| Nutrition | 31 | 25 | 28 | 20 | 37 | 54 | 38 | 35 |
| Pathology | 28 | 25 | 31 | 28 | 30 | 33 | 27 | 30 |
| Pharmacology | 40 | 50 | 53 | 54 | 55 | 68 | 67 | 68 |
| Physiology | 44 | 39 | 34 | 38 | 45 | 41 | 45 | 51 |
| Zoology | 21 | 16 | 16 | 20 | 22 | 14 | 20 | 17 |
| Other | 79 | 87 | 101 | 120 | 138 | 151 | 162 | 159 |
| Computer sciences | 653 | 617 | 650 | 733 | 815 | 859 | 927 | 936 |
| Earth, atmospheric, and ocean sciences | 200 | 186 | 196 | 191 | 223 | 236 | 227 | 229 |
| Atmospheric | 4 | 8 | 8 | 10 | 13 | 15 | 24 | 16 |
| Earth | 84 | 80 | 77 | 82 | 87 | 106 | 101 | 98 |
| Ocean | 62 | 54 | 72 | 60 | 72 | 70 | 68 | 64 |
| Other | 50 | 44 | 39 | 39 | 51 | 45 | 34 | 51 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Mathematics and statistics | 270 | 310 | 322 | 335 | 381 | 395 | 418 | 449 |
| Mathematics/applied mathematics | 241 | 277 | 295 | 307 | 342 | 348 | 369 | 408 |
| Statistics | 29 | 33 | 27 | 28 | 39 | 47 | 49 | 41 |
| Physical sciences | 549 | 507 | 539 | 605 | 678 | 744 | 752 | 766 |
| Astronomy | 10 | 14 | 12 | 9 | 14 | 10 | 12 | 14 |
| Chemistry | 329 | 315 | 337 | 361 | 411 | 442 | 429 | 423 |
| Physics | 188 | 162 | 181 | 221 | 237 | 272 | 289 | 308 |
| Other | 22 | 16 | 9 | 14 | 16 | 20 | 22 | 21 |
| Psychology | 957 | 1,039 | 1,048 | 1,128 | 1,130 | 1,132 | 1,174 | 1,192 |
| Clinical | 260 | 323 | 333 | 360 | 379 | 368 | 379 | 358 |
| General | 277 | 263 | 279 | 265 | 264 | 282 | 309 | 345 |
| Nonclinical | 420 | 453 | 436 | 503 | 487 | 482 | 486 | 489 |
| Social sciences | 2,168 | 2,143 | 2,199 | 2,379 | 2,564 | 2,641 | 2,865 | 2,922 |
| Agricultural economics | 19 | 23 | 22 | 17 | 24 | 27 | 28 | 33 |
| Anthropology (cultural and social) | 129 | 148 | 159 | 166 | 176 | 160 | 171 | 174 |
| Economics | 159 | 160 | 204 | 214 | 235 | 236 | 225 | 259 |
| Geography | 64 | 57 | 59 | 71 | 87 | 78 | 86 | 86 |
| History and philosophy of science | 14 | 11 | 12 | 37 | 22 | 30 | 29 | 35 |
| Linguistics | 35 | 39 | 33 | 45 | 43 | 63 | 55 | 42 |
| Political science and public administration | 979 | 1,009 | 932 | 1,057 | 1,167 | 1,236 | 1,354 | 1,351 |
| Sociology | 277 | 248 | 258 | 275 | 272 | 275 | 292 | 280 |
| Other | 492 | 448 | 520 | 497 | 538 | 536 | 625 | 662 |
| Engineering | 2,222 | 2,280 | 2,341 | 2,500 | 2,922 | 3,065 | 2,993 | 3,186 |
| Aerospace | 70 | 67 | 54 | 69 | 93 | 96 | 100 | 112 |
| Agricultural | 12 | 11 | 11 | 8 | 6 | 4 | 3 | 4 |
| Biomedical | 50 | 63 | 70 | 78 | 98 | 116 | 117 | 140 |
| Chemical | 128 | 113 | 108 | 122 | 143 | 132 | 130 | 154 |
| Civil | 498 | 540 | 508 | 504 | 564 | 616 | 603 | 636 |
| Electrical | 631 | 618 | 683 | 766 | 890 | 913 | 882 | 865 |
| Engineering science/physics | 29 | 26 | 29 | 39 | 44 | 39 | 36 | 43 |
| Industrial/manufacturing | 291 | 298 | 302 | 302 | 383 | 418 | 392 | 450 |
| Mechanical | 336 | 317 | 342 | 367 | 441 | 452 | 467 | 504 |
| Metallurgical/materials | 49 | 60 | 54 | 51 | 60 | 68 | 74 | 64 |
| Mining | 2 | 1 | 1 | 1 | 3 | 5 | 5 | 5 |
| Nuclear | 23 | 22 | 25 | 17 | 24 | 21 | 28 | 53 |
| Petroleum | 3 | 43 | 46 | 46 | 7 | 9 | 11 | 15 |
| Other | 100 | 101 | 108 | 130 | 166 | 176 | 145 | 141 |
| American Indian/Alaska Native | 744 | 734 | 808 | 810 | 890 | 847 | 908 | 979 |
| Science | 569 | 596 | 646 | 635 | 671 | 649 | 702 | 761 |
| Agricultural sciences | 46 | 34 | 35 | 36 | 38 | 35 | 31 | 39 |
| Biological sciences | 80 | 79 | 95 | 87 | 89 | 91 | 113 | 128 |
| Anatomy | 1 | 3 | 3 | 1 | 1 | 0 | 1 | 2 |
| Biochemistry | 2 | 5 | 9 | 5 | 5 | 3 | 10 | 13 |
| Biology | 27 | 22 | 27 | 22 | 22 | 21 | 28 | 26 |
| Biometry/epidemiology | 2 | 2 | 2 | 4 | 3 | 2 | 5 | 6 |
| Biophysics | 0 | 0 | 0 | 1 | 1 | 4 | 2 | 4 |
| Botany | 0 | 0 | 4 | 4 | 4 | 4 | 4 | 9 |
| Cell/molecular biology | 1 | 2 | 1 | 2 | 3 | 6 | 8 | 12 |
| Ecology | 3 | 2 | 3 | 2 | 4 | 3 | 3 | 2 |
| Entomology/parasitology | 0 | 0 | 1 | 4 | 3 | 3 | 4 | 4 |
| Genetics | 1 | 1 | 1 | 1 | 4 | 3 | 4 | 5 |
| Microbiology, immunology, and virology | 11 | 16 | 10 | 14 | 9 | 9 | 7 | 9 |
| Nutrition | 2 | 1 | 0 | 1 | 1 | 2 | 2 | 1 |
| Pathology | 6 | 5 | 9 | 3 | 1 | 0 | 1 | 0 |
| Pharmacology | 4 | 4 | 7 | 8 | 11 | 10 | 11 | 10 |
| Physiology | 3 | 1 | 3 | 1 | 3 | 4 | 3 | 3 |
| Zoology | 4 | 3 | 5 | 3 | 4 | 3 | 6 | 5 |
| Other | 13 | 12 | 10 | 11 | 10 | 14 | 14 | 17 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Computer sciences | 50 | 50 | 58 | 52 | 68 | 61 | 67 | 78 |
| Earth, atmospheric, and ocean sciences | 32 | 33 | 37 | 45 | 30 | 40 | 30 | 43 |
| Atmospheric | 2 | 3 | 3 | 4 | 5 | 4 | 3 | 1 |
| Earth | 13 | 17 | 17 | 18 | 14 | 22 | 16 | 23 |
| Ocean | 7 | 6 | 6 | 5 | 2 | 2 | 2 | 5 |
| Other | 10 | 7 | 11 | 18 | 9 | 12 | 9 | 14 |
| Mathematics and statistics | 12 | 15 | 22 | 18 | 18 | 26 | 23 | 37 |
| Mathematics/applied mathematics | 11 | 14 | 20 | 14 | 17 | 26 | 21 | 35 |
| Statistics | 1 | 1 | 2 | 4 | 1 | 0 | 2 | 2 |
| Physical sciences | 40 | 54 | 54 | 55 | 54 | 50 | 48 | 69 |
| Astronomy | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 3 |
| Chemistry | 30 | 43 | 39 | 38 | 33 | 34 | 32 | 42 |
| Physics | 8 | 9 | 15 | 15 | 19 | 13 | 13 | 20 |
| Other | 1 | 1 | 0 | 1 | 1 | 2 | 2 | 4 |
| Psychology | 88 | 103 | 83 | 83 | 95 | 88 | 91 | 83 |
| Clinical | 30 | 32 | 23 | 28 | 32 | 31 | 31 | 29 |
| General | 26 | 37 | 24 | 14 | 22 | 24 | 22 | 21 |
| Nonclinical | 32 | 34 | 36 | 41 | 41 | 33 | 38 | 33 |
| Social sciences | 221 | 228 | 262 | 259 | 279 | 258 | 299 | 284 |
| Agricultural economics | 6 | 6 | 4 | 2 | 5 | 11 | 8 | 6 |
| Anthropology (cultural and social) | 45 | 49 | 46 | 37 | 35 | 40 | 45 | 54 |
| Economics | 4 | 6 | 12 | 16 | 16 | 13 | 10 | 13 |
| Geography | 9 | 13 | 18 | 19 | 18 | 13 | 20 | 21 |
| History and philosophy of science | 1 | 0 | 0 | 1 | 3 | 4 | 1 | 1 |
| Linguistics | 5 | 5 | 4 | 4 | 6 | 8 | 11 | 10 |
| Political science and public administration | 86 | 85 | 93 | 98 | 108 | 80 | 102 | 94 |
| Sociology | 30 | 23 | 32 | 36 | 34 | 32 | 29 | 27 |
| Other | 35 | 41 | 53 | 46 | 54 | 57 | 73 | 58 |
| Engineering | 175 | 138 | 162 | 175 | 219 | 198 | 206 | 218 |
| Aerospace | 8 | 6 | 6 | 9 | 11 | 13 | 11 | 9 |
| Agricultural | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 2 |
| Biomedical | 7 | 4 | 4 | 4 | 4 | 10 | 7 | 13 |
| Chemical | 11 | 9 | 5 | 13 | 13 | 14 | 17 | 15 |
| Civil | 43 | 29 | 29 | 40 | 42 | 35 | 38 | 43 |
| Electrical | 36 | 26 | 39 | 27 | 49 | 43 | 47 | 42 |
| Engineering science/physics | 5 | 6 | 7 | 6 | 7 | 6 | 5 | 6 |
| Industrial/manufacturing | 23 | 27 | 30 | 27 | 37 | 37 | 35 | 38 |
| Mechanical | 25 | 18 | 23 | 23 | 35 | 18 | 21 | 28 |
| Metallurgical/materials | 5 | 3 | 6 | 9 | 6 | 6 | 5 | 4 |
| Mining | 0 | 1 | 0 | 2 | 3 | 1 | 0 | 1 |
| Nuclear | 1 | 0 | 0 | 2 | 1 | 3 | 3 | 2 |
| Petroleum | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Other | 10 | 7 | 11 | 12 | 11 | 11 | 15 | 15 |
| Other or unknown race/ethnicity | 10,462 | 11,537 | 11,862 | 12,797 | 14,197 | 15,204 | 16,572 | 17,832 |
| Science | 7,392 | 8,196 | 8,549 | 9,155 | 9,793 | 10,732 | 11,780 | 12,322 |
| Agricultural sciences | 167 | 237 | 283 | 243 | 241 | 247 | 258 | 256 |
| Biological sciences | 1,171 | 1,184 | 1,122 | 1,196 | 1,400 | 1,498 | 1,542 | 1,546 |
| Anatomy | 9 | 5 | 7 | 13 | 14 | 20 | 22 | 25 |
| Biochemistry | 81 | 84 | 98 | 118 | 147 | 125 | 129 | 102 |
| Biology | 399 | 337 | 276 | 289 | 359 | 433 | 431 | 475 |
| Biometry/epidemiology | 84 | 78 | 99 | 63 | 76 | 103 | 146 | 122 |
| Biophysics | 25 | 25 | 16 | 25 | 29 | 32 | 36 | 33 |
| Botany | 30 | 33 | 29 | 30 | 33 | 33 | 31 | 32 |
| Cell/molecular biology | 96 | 128 | 135 | 152 | 181 | 157 | 156 | 158 |
| Ecology | 22 | 45 | 44 | 56 | 78 | 76 | 75 | 79 |
| Entomology/parasitology | 13 | 11 | 19 | 19 | 21 | 21 | 15 | 15 |
| Genetics | 36 | 56 | 43 | 49 | 56 | 54 | 43 | 44 |
| Microbiology, immunology, and virology | 137 | 137 | 136 | 124 | 118 | 106 | 123 | 112 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|---------|---------|--------|--------|--------|
| Nutrition | 25 | 34 | 34 | 38 | 25 | 30 | 34 | 34 |
| Pathology | 29 | 26 | 33 | 32 | 31 | 25 | 24 | 24 |
| Pharmacology | 27 | 26 | 19 | 27 | 45 | 43 | 41 | 42 |
| Physiology | 40 | 42 | 34 | 37 | 32 | 29 | 31 | 58 |
| Zoology | 16 | 24 | 21 | 24 | 28 | 19 | 19 | 21 |
| Other | 102 | 93 | 79 | 100 | 127 | 192 | 186 | 170 |
| Computer sciences | 1,711 | 2,009 | 2,129 | 2,339 | 2,343 | 2,348 | 2,488 | 2,584 |
| Earth, atmospheric, and ocean sciences | 270 | 262 | 257 | 319 | 381 | 365 | 380 | 406 |
| Atmospheric | 19 | 17 | 18 | 21 | 28 | 24 | 23 | 26 |
| Earth | 152 | 143 | 129 | 175 | 208 | 171 | 185 | 220 |
| Ocean | 26 | 23 | 35 | 32 | 41 | 45 | 56 | 51 |
| Other | 73 | 79 | 75 | 91 | 104 | 125 | 116 | 109 |
| Mathematics and statistics | 379 | 423 | 437 | 537 | 660 | 667 | 719 | 787 |
| Mathematics/applied mathematics | 347 | 388 | 387 | 470 | 594 | 577 | 616 | 692 |
| Statistics | 32 | 35 | 50 | 67 | 66 | 90 | 103 | 95 |
| Physical sciences | 689 | 717 | 921 | 911 | 965 | 1,030 | 995 | 1,181 |
| Astronomy | 21 | 21 | 28 | 28 | 28 | 28 | 39 | 36 |
| Chemistry | 330 | 279 | 321 | 356 | 421 | 461 | 452 | 578 |
| Physics | 259 | 329 | 498 | 455 | 450 | 480 | 489 | 544 |
| Other | 79 | 88 | 74 | 72 | 66 | 61 | 15 | 23 |
| Psychology | 985 | 938 | 800 | 817 | 815 | 1,141 | 1,538 | 1,466 |
| Clinical | 181 | 145 | 176 | 175 | 178 | 295 | 420 | 318 |
| General | 257 | 277 | 247 | 220 | 252 | 267 | 298 | 343 |
| Nonclinical | 547 | 516 | 377 | 422 | 385 | 579 | 820 | 805 |
| Social sciences | 2,020 | 2,426 | 2,600 | 2,793 | 2,988 | 3,436 | 3,860 | 4,096 |
| Agricultural economics | 15 | 29 | 48 | 44 | 36 | 35 | 33 | 40 |
| Anthropology (cultural and social) | 155 | 189 | 209 | 175 | 201 | 212 | 215 | 249 |
| Economics | 187 | 304 | 313 | 374 | 352 | 336 | 304 | 375 |
| Geography | 129 | 124 | 106 | 107 | 126 | 144 | 138 | 138 |
| History and philosophy of science | 10 | 16 | 20 | 29 | 29 | 49 | 33 | 37 |
| Linguistics | 43 | 63 | 58 | 76 | 80 | 75 | 104 | 95 |
| Political science and public administration | 806 | 928 | 1,025 | 1,213 | 1,374 | 1,746 | 2,144 | 2,207 |
| Sociology | 122 | 179 | 172 | 174 | 165 | 180 | 203 | 193 |
| Other | 553 | 594 | 649 | 601 | 625 | 659 | 686 | 762 |
| Engineering | 3,070 | 3,341 | 3,313 | 3,642 | 4,404 | 4,472 | 4,792 | 5,510 |
| Aerospace | 69 | 77 | 94 | 126 | 178 | 165 | 198 | 430 |
| Agricultural | 10 | 14 | 12 | 6 | 15 | 8 | 15 | 13 |
| Biomedical | 52 | 56 | 99 | 109 | 165 | 159 | 188 | 207 |
| Chemical | 170 | 161 | 101 | 127 | 137 | 124 | 149 | 131 |
| Civil | 423 | 411 | 432 | 493 | 535 | 538 | 603 | 657 |
| Electrical | 1,190 | 1,338 | 1,221 | 1,273 | 1,473 | 1,359 | 1,458 | 1,627 |
| Engineering science/physics | 39 | 84 | 109 | 72 | 43 | 50 | 51 | 62 |
| Industrial/manufacturing | 415 | 461 | 451 | 493 | 650 | 755 | 759 | 915 |
| Mechanical | 400 | 427 | 447 | 517 | 665 | 689 | 716 | 720 |
| Metallurgical/materials | 70 | 72 | 86 | 83 | 75 | 104 | 102 | 142 |
| Mining | 4 | 3 | 5 | 1 | 15 | 8 | 20 | 10 |
| Nuclear | 6 | 2 | 6 | 9 | 15 | 25 | 23 | 43 |
| Petroleum | 2 | 42 | 40 | 57 | 11 | 9 | 7 | 14 |
| Other | 220 | 193 | 210 | 276 | 427 | 479 | 503 | 539 |
| Temporary residents | 76,963 | 86,082 | 93,865 | 101,326 | 101,430 | 97,711 | 94,067 | 95,398 |
| Science | 42,966 | 47,324 | 51,108 | 54,110 | 53,518 | 52,551 | 51,668 | 52,533 |
| Agricultural sciences | 1,683 | 1,564 | 1,576 | 1,601 | 1,558 | 1,604 | 1,569 | 1,533 |
| Biological sciences | 5,748 | 5,918 | 6,057 | 6,678 | 6,929 | 7,283 | 7,549 | 7,842 |
| Anatomy | 87 | 104 | 102 | 115 | 102 | 94 | 101 | 97 |
| Biochemistry | 793 | 869 | 825 | 909 | 983 | 1,046 | 1,054 | 1,063 |
| Biology | 1,015 | 1,027 | 1,064 | 1,173 | 1,178 | 1,243 | 1,362 | 1,466 |
| Biometry/epidemiology | 375 | 388 | 391 | 487 | 498 | 514 | 501 | 547 |
| Biophysics | 111 | 148 | 188 | 214 | 211 | 237 | 239 | 245 |

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1999–2006

| Field, citizenship, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Botany | 331 | 315 | 301 | 315 | 291 | 294 | 336 | 345 |
| Cell/molecular biology | 424 | 468 | 520 | 566 | 640 | 710 | 753 | 848 |
| Ecology | 100 | 101 | 110 | 126 | 136 | 142 | 131 | 129 |
| Entomology/parasitology | 218 | 195 | 190 | 187 | 181 | 186 | 174 | 190 |
| Genetics | 211 | 196 | 227 | 211 | 241 | 251 | 251 | 251 |
| Microbiology, immunology, and virology | 461 | 466 | 460 | 566 | 509 | 512 | 522 | 455 |
| Nutrition | 378 | 385 | 396 | 406 | 450 | 414 | 396 | 409 |
| Pathology | 169 | 170 | 156 | 145 | 149 | 155 | 168 | 163 |
| Pharmacology | 290 | 306 | 298 | 289 | 332 | 358 | 376 | 328 |
| Physiology | 266 | 257 | 218 | 230 | 257 | 256 | 219 | 212 |
| Zoology | 91 | 92 | 113 | 121 | 91 | 94 | 113 | 91 |
| Other | 428 | 431 | 498 | 618 | 680 | 777 | 853 | 1,003 |
| Computer sciences | 12,022 | 15,588 | 18,395 | 19,247 | 17,511 | 15,840 | 15,300 | 15,657 |
| Earth, atmospheric, and ocean sciences | 1,663 | 1,796 | 1,801 | 1,761 | 1,738 | 1,716 | 1,679 | 1,661 |
| Atmospheric | 169 | 202 | 179 | 194 | 179 | 168 | 178 | 162 |
| Earth | 893 | 947 | 970 | 947 | 956 | 950 | 913 | 890 |
| Ocean | 332 | 324 | 308 | 281 | 293 | 279 | 283 | 289 |
| Other | 269 | 323 | 344 | 339 | 310 | 319 | 305 | 320 |
| Mathematics and statistics | 3,866 | 3,938 | 4,141 | 4,517 | 4,652 | 4,702 | 4,745 | 4,760 |
| Mathematics/applied mathematics | 3,165 | 3,203 | 3,328 | 3,628 | 3,676 | 3,693 | 3,638 | 3,641 |
| Statistics | 701 | 735 | 813 | 889 | 976 | 1,009 | 1,107 | 1,119 |
| Physical sciences | 8,079 | 8,372 | 8,726 | 9,202 | 9,854 | 10,070 | 10,072 | 10,122 |
| Astronomy | 186 | 201 | 209 | 230 | 241 | 273 | 271 | 270 |
| Chemistry | 3,945 | 3,943 | 4,167 | 4,511 | 4,843 | 4,900 | 5,008 | 5,043 |
| Physics | 3,900 | 4,173 | 4,290 | 4,403 | 4,694 | 4,847 | 4,746 | 4,749 |
| Other | 48 | 55 | 60 | 58 | 76 | 50 | 47 | 60 |
| Psychology | 790 | 752 | 777 | 1,092 | 1,154 | 1,248 | 907 | 796 |
| Clinical | 116 | 84 | 94 | 222 | 229 | 103 | 104 | 89 |
| General | 285 | 312 | 327 | 418 | 454 | 726 | 418 | 329 |
| Nonclinical | 389 | 356 | 356 | 452 | 471 | 419 | 385 | 378 |
| Social sciences | 9,115 | 9,396 | 9,635 | 10,012 | 10,122 | 10,088 | 9,847 | 10,162 |
| Agricultural economics | 603 | 638 | 640 | 630 | 664 | 616 | 578 | 559 |
| Anthropology (cultural and social) | 375 | 364 | 348 | 387 | 366 | 370 | 377 | 411 |
| Economics | 3,753 | 3,857 | 4,124 | 4,290 | 4,184 | 4,115 | 3,967 | 4,004 |
| Geography | 361 | 384 | 432 | 427 | 447 | 455 | 455 | 448 |
| History and philosophy of science | 41 | 39 | 45 | 41 | 47 | 44 | 53 | 52 |
| Linguistics | 362 | 346 | 330 | 328 | 336 | 347 | 312 | 317 |
| Political science and public administration | 2,278 | 2,360 | 2,320 | 2,417 | 2,579 | 2,619 | 2,577 | 2,836 |
| Sociology | 545 | 560 | 551 | 562 | 573 | 551 | 558 | 563 |
| Other | 797 | 848 | 845 | 930 | 926 | 971 | 970 | 972 |
| Engineering | 33,997 | 38,758 | 42,757 | 47,216 | 47,912 | 45,160 | 42,399 | 42,865 |
| Aerospace | 1,364 | 1,326 | 1,436 | 1,470 | 1,474 | 1,465 | 1,435 | 1,268 |
| Agricultural | 319 | 300 | 313 | 318 | 366 | 357 | 375 | 382 |
| Biomedical | 595 | 659 | 761 | 1,020 | 1,266 | 1,384 | 1,405 | 1,400 |
| Chemical | 2,301 | 2,517 | 2,660 | 2,813 | 2,767 | 2,715 | 2,528 | 2,534 |
| Civil | 4,223 | 4,777 | 5,047 | 5,464 | 5,586 | 5,246 | 4,892 | 4,617 |
| Electrical | 12,561 | 15,006 | 16,734 | 18,767 | 18,813 | 17,504 | 16,546 | 17,388 |
| Engineering science/physics | 430 | 530 | 590 | 704 | 780 | 800 | 671 | 675 |
| Industrial/manufacturing | 3,074 | 3,728 | 4,433 | 4,778 | 4,484 | 4,092 | 3,511 | 3,440 |
| Mechanical | 5,549 | 6,397 | 6,880 | 7,654 | 7,800 | 7,107 | 6,652 | 6,727 |
| Metallurgical/materials | 1,577 | 1,652 | 1,785 | 1,927 | 1,956 | 1,927 | 1,982 | 1,919 |
| Mining | 97 | 118 | 100 | 95 | 99 | 110 | 109 | 99 |
| Nuclear | 275 | 274 | 287 | 270 | 286 | 282 | 271 | 251 |
| Petroleum | 429 | 315 | 338 | 401 | 570 | 550 | 523 | 517 |
| Other | 1,203 | 1,159 | 1,393 | 1,535 | 1,665 | 1,621 | 1,499 | 1,648 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| S&E | 75,447 | 78,332 | 82,411 | 86,827 | 89,331 | 86,565 | 89,038 | 94,413 |
| Science | 54,934 | 56,141 | 59,105 | 62,220 | 64,902 | 64,540 | 66,665 | 68,537 |
| Agricultural sciences | 2,253 | 2,335 | 2,338 | 2,320 | 2,424 | 2,316 | 2,260 | 2,206 |
| Biological sciences | 10,959 | 10,955 | 11,608 | 12,127 | 12,719 | 12,796 | 12,918 | 13,055 |
| Anatomy | 161 | 198 | 159 | 193 | 178 | 180 | 213 | 213 |
| Biochemistry | 896 | 929 | 851 | 880 | 958 | 907 | 930 | 992 |
| Biology | 2,521 | 2,282 | 2,376 | 2,532 | 2,610 | 2,740 | 2,826 | 2,994 |
| Biometry/epidemiology | 825 | 837 | 953 | 1,001 | 1,022 | 986 | 1,069 | 974 |
| Biophysics | 118 | 128 | 162 | 166 | 223 | 210 | 174 | 186 |
| Botany | 363 | 357 | 315 | 335 | 307 | 336 | 316 | 318 |
| Cell/molecular biology | 867 | 977 | 993 | 1,085 | 1,125 | 1,140 | 1,208 | 1,294 |
| Ecology | 251 | 280 | 348 | 317 | 345 | 302 | 314 | 294 |
| Entomology/parasitology | 179 | 185 | 202 | 203 | 175 | 211 | 153 | 169 |
| Genetics | 427 | 380 | 382 | 362 | 373 | 441 | 365 | 348 |
| Microbiology, immunology, and virology | 904 | 823 | 884 | 914 | 909 | 889 | 868 | 853 |
| Nutrition | 834 | 830 | 906 | 890 | 895 | 843 | 863 | 905 |
| Pathology | 320 | 276 | 320 | 294 | 256 | 277 | 248 | 269 |
| Pharmacology | 487 | 549 | 507 | 554 | 552 | 510 | 466 | 469 |
| Physiology | 608 | 570 | 615 | 633 | 760 | 731 | 678 | 597 |
| Zoology | 263 | 230 | 247 | 231 | 258 | 212 | 199 | 179 |
| Other | 935 | 1,124 | 1,388 | 1,537 | 1,773 | 1,881 | 2,028 | 2,001 |
| Computer sciences | 6,677 | 8,431 | 9,077 | 9,037 | 8,134 | 7,783 | 8,258 | 8,983 |
| Earth, atmospheric, and ocean sciences | 2,746 | 2,649 | 2,794 | 3,085 | 3,104 | 2,926 | 2,758 | 2,795 |
| Atmospheric | 203 | 222 | 205 | 213 | 268 | 228 | 228 | 207 |
| Earth | 1,296 | 1,230 | 1,383 | 1,437 | 1,412 | 1,336 | 1,308 | 1,348 |
| Ocean | 474 | 479 | 511 | 533 | 567 | 534 | 463 | 457 |
| Other | 773 | 718 | 695 | 902 | 857 | 828 | 759 | 783 |
| Mathematics and statistics | 3,271 | 3,419 | 3,686 | 3,918 | 4,185 | 4,252 | 4,196 | 4,342 |
| Mathematics/applied mathematics | 2,650 | 2,757 | 2,892 | 3,114 | 3,266 | 3,365 | 3,263 | 3,398 |
| Statistics | 621 | 662 | 794 | 804 | 919 | 887 | 933 | 944 |
| Physical sciences | 6,004 | 5,829 | 6,011 | 6,280 | 6,841 | 6,603 | 6,657 | 6,626 |
| Astronomy | 171 | 183 | 193 | 194 | 225 | 210 | 190 | 204 |
| Chemistry | 3,672 | 3,482 | 3,651 | 3,746 | 3,983 | 3,862 | 3,904 | 3,900 |
| Physics | 2,074 | 2,101 | 2,102 | 2,231 | 2,543 | 2,442 | 2,458 | 2,409 |
| Other | 87 | 63 | 65 | 109 | 90 | 89 | 105 | 113 |
| Psychology | 8,305 | 7,545 | 7,691 | 8,420 | 8,858 | 9,478 | 10,358 | 10,224 |
| Clinical | 1,992 | 1,829 | 1,731 | 1,898 | 1,986 | 2,251 | 2,318 | 2,201 |
| General | 2,712 | 2,534 | 2,610 | 2,621 | 2,977 | 2,946 | 3,385 | 3,374 |
| Nonclinical | 3,601 | 3,182 | 3,350 | 3,901 | 3,895 | 4,281 | 4,655 | 4,649 |
| Social sciences | 14,719 | 14,978 | 15,900 | 17,033 | 18,637 | 18,386 | 19,260 | 20,306 |
| Agricultural economics | 482 | 455 | 496 | 575 | 536 | 523 | 557 | 543 |
| Anthropology (cultural and social) | 1,193 | 1,157 | 1,119 | 1,177 | 1,279 | 1,187 | 1,243 | 1,314 |
| Economics | 2,355 | 2,508 | 2,562 | 2,843 | 2,921 | 2,686 | 2,724 | 2,907 |
| Geography | 830 | 784 | 872 | 812 | 915 | 860 | 898 | 845 |
| History and philosophy of science | 91 | 78 | 72 | 97 | 107 | 107 | 138 | 121 |
| Linguistics | 422 | 454 | 495 | 466 | 588 | 570 | 633 | 577 |
| Political science and public administration | 4,837 | 5,142 | 5,562 | 6,241 | 6,950 | 7,333 | 7,807 | 8,319 |
| Sociology | 1,451 | 1,464 | 1,591 | 1,690 | 1,722 | 1,537 | 1,672 | 1,504 |
| Other | 3,058 | 2,936 | 3,131 | 3,132 | 3,619 | 3,583 | 3,588 | 4,176 |
| Engineering | 20,513 | 22,191 | 23,306 | 24,607 | 24,429 | 22,025 | 22,373 | 25,876 |
| Aerospace | 727 | 775 | 767 | 712 | 845 | 834 | 804 | 943 |
| Agricultural | 212 | 188 | 192 | 201 | 197 | 177 | 190 | 222 |
| Biomedical | 724 | 915 | 884 | 1,125 | 1,327 | 1,274 | 1,267 | 1,472 |
| Chemical | 1,491 | 1,595 | 1,541 | 1,616 | 1,600 | 1,392 | 1,293 | 1,429 |
| Civil | 3,726 | 3,840 | 3,820 | 4,107 | 4,363 | 4,175 | 4,057 | 4,198 |
| Electrical | 6,369 | 7,195 | 7,882 | 8,221 | 7,834 | 6,633 | 6,987 | 8,668 |
| Engineering science/physics | 255 | 299 | 339 | 404 | 392 | 361 | 317 | 321 |
| Industrial/manufacturing | 1,851 | 2,005 | 2,216 | 2,238 | 2,029 | 1,724 | 1,674 | 2,148 |
| Mechanical | 3,119 | 3,269 | 3,583 | 3,709 | 3,476 | 3,129 | 3,225 | 3,734 |

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Metallurgical/materials | 892 | 1,005 | 975 | 1,044 | 958 | 926 | 992 | 1,043 |
| Mining | 45 | 48 | 40 | 41 | 73 | 64 | 58 | 50 |
| Nuclear | 150 | 163 | 164 | 149 | 177 | 192 | 193 | 206 |
| Petroleum | 149 | 149 | 153 | 198 | 166 | 151 | 161 | 174 |
| Other | 803 | 745 | 750 | 842 | 992 | 993 | 1,155 | 1,268 |
| Female | 31,113 | 32,155 | 34,229 | 37,023 | 38,824 | 38,181 | 39,260 | 41,212 |
| Science | 26,860 | 27,336 | 29,181 | 31,334 | 32,778 | 32,804 | 33,918 | 34,912 |
| Agricultural sciences | 1,018 | 1,156 | 1,172 | 1,160 | 1,247 | 1,167 | 1,204 | 1,157 |
| Biological sciences | 5,944 | 6,118 | 6,647 | 7,012 | 7,357 | 7,538 | 7,453 | 7,507 |
| Anatomy | 77 | 115 | 90 | 110 | 106 | 100 | 103 | 121 |
| Biochemistry | 413 | 451 | 434 | 457 | 461 | 465 | 494 | 514 |
| Biology | 1,349 | 1,224 | 1,339 | 1,455 | 1,501 | 1,611 | 1,534 | 1,656 |
| Biometry/epidemiology | 521 | 535 | 627 | 613 | 627 | 605 | 671 | 615 |
| Biophysics | 41 | 43 | 45 | 75 | 85 | 79 | 62 | 59 |
| Botany | 188 | 195 | 171 | 199 | 168 | 197 | 185 | 175 |
| Cell/molecular biology | 455 | 516 | 526 | 572 | 622 | 627 | 653 | 727 |
| Ecology | 138 | 153 | 199 | 173 | 220 | 174 | 199 | 174 |
| Entomology/parasitology | 64 | 101 | 92 | 91 | 88 | 107 | 73 | 82 |
| Genetics | 262 | 245 | 244 | 239 | 254 | 294 | 261 | 247 |
| Microbiology, immunology, and virology | 487 | 443 | 514 | 535 | 530 | 549 | 512 | 510 |
| Nutrition | 649 | 650 | 717 | 714 | 724 | 692 | 709 | 714 |
| Pathology | 175 | 173 | 202 | 184 | 168 | 177 | 158 | 179 |
| Pharmacology | 270 | 293 | 291 | 329 | 309 | 280 | 252 | 273 |
| Physiology | 251 | 257 | 291 | 296 | 391 | 385 | 359 | 313 |
| Zoology | 123 | 108 | 132 | 127 | 134 | 125 | 104 | 97 |
| Other | 481 | 616 | 733 | 843 | 969 | 1,071 | 1,124 | 1,051 |
| Computer sciences | 1,797 | 2,234 | 2,389 | 2,308 | 2,017 | 1,864 | 1,952 | 2,228 |
| Earth, atmospheric, and ocean sciences | 1,278 | 1,211 | 1,315 | 1,459 | 1,559 | 1,442 | 1,406 | 1,392 |
| Atmospheric | 71 | 68 | 87 | 73 | 100 | 90 | 85 | 86 |
| Earth | 543 | 513 | 586 | 612 | 655 | 607 | 636 | 627 |
| Ocean | 244 | 254 | 271 | 278 | 331 | 310 | 251 | 252 |
| Other | 420 | 376 | 371 | 496 | 473 | 435 | 434 | 427 |
| Mathematics and statistics | 1,257 | 1,282 | 1,442 | 1,525 | 1,606 | 1,571 | 1,489 | 1,621 |
| Mathematics/applied mathematics | 961 | 945 | 1,030 | 1,131 | 1,175 | 1,160 | 1,077 | 1,166 |
| Statistics | 296 | 337 | 412 | 394 | 431 | 411 | 412 | 455 |
| Physical sciences | 1,921 | 1,899 | 1,924 | 2,220 | 2,342 | 2,271 | 2,270 | 2,303 |
| Astronomy | 46 | 62 | 53 | 76 | 85 | 71 | 70 | 76 |
| Chemistry | 1,434 | 1,401 | 1,395 | 1,624 | 1,667 | 1,653 | 1,599 | 1,675 |
| Physics | 409 | 408 | 450 | 462 | 555 | 504 | 548 | 494 |
| Other | 32 | 28 | 26 | 58 | 35 | 43 | 53 | 58 |
| Psychology | 6,022 | 5,601 | 5,848 | 6,390 | 6,694 | 7,175 | 7,904 | 7,777 |
| Clinical | 1,485 | 1,410 | 1,303 | 1,477 | 1,552 | 1,748 | 1,811 | 1,717 |
| General | 1,876 | 1,820 | 1,928 | 1,899 | 2,160 | 2,090 | 2,432 | 2,430 |
| Nonclinical | 2,661 | 2,371 | 2,617 | 3,014 | 2,982 | 3,337 | 3,661 | 3,630 |
| Social sciences | 7,623 | 7,835 | 8,444 | 9,260 | 9,956 | 9,776 | 10,240 | 10,927 |
| Agricultural economics | 193 | 195 | 203 | 254 | 225 | 214 | 249 | 248 |
| Anthropology (cultural and social) | 734 | 710 | 702 | 771 | 843 | 786 | 820 | 880 |
| Economics | 810 | 976 | 936 | 1,107 | 1,102 | 1,006 | 980 | 1,050 |
| Geography | 363 | 321 | 378 | 354 | 389 | 365 | 376 | 374 |
| History and philosophy of science | 41 | 31 | 31 | 43 | 43 | 45 | 73 | 52 |
| Linguistics | 275 | 286 | 327 | 304 | 380 | 375 | 413 | 378 |
| Political science and public administration | 2,503 | 2,634 | 2,962 | 3,496 | 3,736 | 3,889 | 4,150 | 4,345 |
| Sociology | 956 | 960 | 1,067 | 1,116 | 1,143 | 1,009 | 1,065 | 968 |
| Other | 1,748 | 1,722 | 1,838 | 1,815 | 2,095 | 2,087 | 2,114 | 2,632 |
| Engineering | 4,253 | 4,819 | 5,048 | 5,689 | 6,046 | 5,377 | 5,342 | 6,300 |
| Aerospace | 96 | 127 | 111 | 120 | 131 | 150 | 128 | 161 |
| Agricultural | 82 | 67 | 71 | 67 | 71 | 68 | 61 | 83 |
| Biomedical | 241 | 345 | 323 | 459 | 519 | 521 | 493 | 599 |

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Chemical | 382 | 398 | 400 | 474 | 501 | 412 | 402 | 464 |
| Civil | 1,066 | 1,175 | 1,098 | 1,238 | 1,441 | 1,321 | 1,280 | 1,377 |
| Electrical | 1,112 | 1,247 | 1,558 | 1,712 | 1,666 | 1,281 | 1,327 | 1,747 |
| Engineering science/physics | 48 | 72 | 71 | 89 | 99 | 89 | 74 | 87 |
| Industrial/manufacturing | 349 | 459 | 443 | 476 | 530 | 453 | 462 | 592 |
| Mechanical | 390 | 432 | 478 | 482 | 516 | 461 | 477 | 518 |
| Metallurgical/materials | 248 | 243 | 262 | 297 | 261 | 258 | 273 | 292 |
| Mining | 10 | 11 | 7 | 9 | 14 | 5 | 7 | 9 |
| Nuclear | 35 | 43 | 40 | 26 | 40 | 51 | 48 | 42 |
| Petroleum | 21 | 25 | 23 | 34 | 31 | 31 | 24 | 33 |
| Other | 173 | 175 | 163 | 206 | 226 | 276 | 286 | 296 |
| Male | 44,334 | 46,177 | 48,182 | 49,804 | 50,507 | 48,384 | 49,778 | 53,201 |
| Science | 28,074 | 28,805 | 29,924 | 30,886 | 32,124 | 31,736 | 32,747 | 33,625 |
| Agricultural sciences | 1,235 | 1,179 | 1,166 | 1,160 | 1,177 | 1,149 | 1,056 | 1,049 |
| Biological sciences | 5,015 | 4,837 | 4,961 | 5,115 | 5,362 | 5,258 | 5,465 | 5,548 |
| Anatomy | 84 | 83 | 69 | 83 | 72 | 80 | 110 | 92 |
| Biochemistry | 483 | 478 | 417 | 423 | 497 | 442 | 436 | 478 |
| Biology | 1,172 | 1,058 | 1,037 | 1,077 | 1,109 | 1,129 | 1,292 | 1,338 |
| Biometry/epidemiology | 304 | 302 | 326 | 388 | 395 | 381 | 398 | 359 |
| Biophysics | 77 | 85 | 117 | 91 | 138 | 131 | 112 | 127 |
| Botany | 175 | 162 | 144 | 136 | 139 | 139 | 131 | 143 |
| Cell/molecular biology | 412 | 461 | 467 | 513 | 503 | 513 | 555 | 567 |
| Ecology | 113 | 127 | 149 | 144 | 125 | 128 | 115 | 120 |
| Entomology/parasitology | 115 | 84 | 110 | 112 | 87 | 104 | 80 | 87 |
| Genetics | 165 | 135 | 138 | 123 | 119 | 147 | 104 | 101 |
| Microbiology, immunology, and virology | 417 | 380 | 370 | 379 | 379 | 340 | 356 | 343 |
| Nutrition | 185 | 180 | 189 | 176 | 171 | 151 | 154 | 191 |
| Pathology | 145 | 103 | 118 | 110 | 88 | 100 | 90 | 90 |
| Pharmacology | 217 | 256 | 216 | 225 | 243 | 230 | 214 | 196 |
| Physiology | 357 | 313 | 324 | 337 | 369 | 346 | 319 | 284 |
| Zoology | 140 | 122 | 115 | 104 | 124 | 87 | 95 | 82 |
| Other | 454 | 508 | 655 | 694 | 804 | 810 | 904 | 950 |
| Computer sciences | 4,880 | 6,197 | 6,688 | 6,729 | 6,117 | 5,919 | 6,306 | 6,755 |
| Earth, atmospheric, and ocean sciences | 1,468 | 1,438 | 1,479 | 1,626 | 1,545 | 1,484 | 1,352 | 1,403 |
| Atmospheric | 132 | 154 | 118 | 140 | 168 | 138 | 143 | 121 |
| Earth | 753 | 717 | 797 | 825 | 757 | 729 | 672 | 721 |
| Ocean | 230 | 225 | 240 | 255 | 236 | 224 | 212 | 205 |
| Other | 353 | 342 | 324 | 406 | 384 | 393 | 325 | 356 |
| Mathematics and statistics | 2,014 | 2,137 | 2,244 | 2,393 | 2,579 | 2,681 | 2,707 | 2,721 |
| Mathematics/applied mathematics | 1,689 | 1,812 | 1,862 | 1,983 | 2,091 | 2,205 | 2,186 | 2,232 |
| Statistics | 325 | 325 | 382 | 410 | 488 | 476 | 521 | 489 |
| Physical sciences | 4,083 | 3,930 | 4,087 | 4,060 | 4,499 | 4,332 | 4,387 | 4,323 |
| Astronomy | 125 | 121 | 140 | 118 | 140 | 139 | 120 | 128 |
| Chemistry | 2,238 | 2,081 | 2,256 | 2,122 | 2,316 | 2,209 | 2,305 | 2,225 |
| Physics | 1,665 | 1,693 | 1,652 | 1,769 | 1,988 | 1,938 | 1,910 | 1,915 |
| Other | 55 | 35 | 39 | 51 | 55 | 46 | 52 | 55 |
| Psychology | 2,283 | 1,944 | 1,843 | 2,030 | 2,164 | 2,303 | 2,454 | 2,447 |
| Clinical | 507 | 419 | 428 | 421 | 434 | 503 | 507 | 484 |
| General | 836 | 714 | 682 | 722 | 817 | 856 | 953 | 944 |
| Nonclinical | 940 | 811 | 733 | 887 | 913 | 944 | 994 | 1,019 |
| Social sciences | 7,096 | 7,143 | 7,456 | 7,773 | 8,681 | 8,610 | 9,020 | 9,379 |
| Agricultural economics | 289 | 260 | 293 | 321 | 311 | 309 | 308 | 295 |
| Anthropology (cultural and social) | 459 | 447 | 417 | 406 | 436 | 401 | 423 | 434 |
| Economics | 1,545 | 1,532 | 1,626 | 1,736 | 1,819 | 1,680 | 1,744 | 1,857 |
| Geography | 467 | 463 | 494 | 458 | 526 | 495 | 522 | 471 |
| History and philosophy of science | 50 | 47 | 41 | 54 | 64 | 62 | 65 | 69 |
| Linguistics | 147 | 168 | 168 | 162 | 208 | 195 | 220 | 199 |
| Political science and public administration | 2,334 | 2,508 | 2,600 | 2,745 | 3,214 | 3,444 | 3,657 | 3,974 |

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 495 | 504 | 524 | 574 | 579 | 528 | 607 | 536 |
| Other | 1,310 | 1,214 | 1,293 | 1,317 | 1,524 | 1,496 | 1,474 | 1,544 |
| Engineering | 16,260 | 17,372 | 18,258 | 18,918 | 18,383 | 16,648 | 17,031 | 19,576 |
| Aerospace | 631 | 648 | 656 | 592 | 714 | 684 | 676 | 782 |
| Agricultural | 130 | 121 | 121 | 134 | 126 | 109 | 129 | 139 |
| Biomedical | 483 | 570 | 561 | 666 | 808 | 753 | 774 | 873 |
| Chemical | 1,109 | 1,197 | 1,141 | 1,142 | 1,099 | 980 | 891 | 965 |
| Civil | 2,660 | 2,665 | 2,722 | 2,869 | 2,922 | 2,854 | 2,777 | 2,821 |
| Electrical | 5,257 | 5,948 | 6,324 | 6,509 | 6,168 | 5,352 | 5,660 | 6,921 |
| Engineering science/physics | 207 | 227 | 268 | 315 | 293 | 272 | 243 | 234 |
| Industrial/manufacturing | 1,502 | 1,546 | 1,773 | 1,762 | 1,499 | 1,271 | 1,212 | 1,556 |
| Mechanical | 2,729 | 2,837 | 3,105 | 3,227 | 2,960 | 2,668 | 2,748 | 3,216 |
| Metallurgical/materials | 644 | 762 | 713 | 747 | 697 | 668 | 719 | 751 |
| Mining | 35 | 37 | 33 | 32 | 59 | 59 | 51 | 41 |
| Nuclear | 115 | 120 | 124 | 123 | 137 | 141 | 145 | 164 |
| Petroleum | 128 | 124 | 130 | 164 | 135 | 120 | 137 | 141 |
| Other | 630 | 570 | 587 | 636 | 766 | 717 | 869 | 972 |

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|
| S&E | 78,332 | 82,411 | 86,827 | 89,331 | 86,565 | 89,038 | 94,413 |
| Science | 56,141 | 59,105 | 62,220 | 64,902 | 64,540 | 66,665 | 68,537 |
| Agricultural sciences | 2,335 | 2,338 | 2,320 | 2,424 | 2,316 | 2,260 | 2,206 |
| Biological sciences | 10,955 | 11,608 | 12,127 | 12,719 | 12,796 | 12,918 | 13,055 |
| Anatomy | 198 | 159 | 193 | 178 | 180 | 213 | 213 |
| Biochemistry | 929 | 851 | 880 | 958 | 907 | 930 | 992 |
| Biology | 2,282 | 2,376 | 2,532 | 2,610 | 2,740 | 2,826 | 2,994 |
| Biometry/epidemiology | 837 | 953 | 1,001 | 1,022 | 986 | 1,069 | 974 |
| Biophysics | 128 | 162 | 166 | 223 | 210 | 174 | 186 |
| Botany | 357 | 315 | 335 | 307 | 336 | 316 | 318 |
| Cell/molecular biology | 977 | 993 | 1,085 | 1,125 | 1,140 | 1,208 | 1,294 |
| Ecology | 280 | 348 | 317 | 345 | 302 | 314 | 294 |
| Entomology/parasitology | 185 | 202 | 203 | 175 | 211 | 153 | 169 |
| Genetics | 380 | 382 | 362 | 373 | 441 | 365 | 348 |
| Microbiology, immunology, and virology | 823 | 884 | 914 | 909 | 889 | 868 | 853 |
| Nutrition | 830 | 906 | 890 | 895 | 843 | 863 | 905 |
| Pathology | 276 | 320 | 294 | 256 | 277 | 248 | 269 |
| Pharmacology | 549 | 507 | 554 | 552 | 510 | 466 | 469 |
| Physiology | 570 | 615 | 633 | 760 | 731 | 678 | 597 |
| Zoology | 230 | 247 | 231 | 258 | 212 | 199 | 179 |
| Other | 1,124 | 1,388 | 1,537 | 1,773 | 1,881 | 2,028 | 2,001 |
| Computer sciences | 8,431 | 9,077 | 9,037 | 8,134 | 7,783 | 8,258 | 8,983 |
| Earth, atmospheric, and ocean sciences | 2,649 | 2,794 | 3,085 | 3,104 | 2,926 | 2,758 | 2,795 |
| Atmospheric | 222 | 205 | 213 | 268 | 228 | 228 | 207 |
| Earth | 1,230 | 1,383 | 1,437 | 1,412 | 1,336 | 1,308 | 1,348 |
| Ocean | 479 | 511 | 533 | 567 | 534 | 463 | 457 |
| Other | 718 | 695 | 902 | 857 | 828 | 759 | 783 |
| Mathematics and statistics | 3,419 | 3,686 | 3,918 | 4,185 | 4,252 | 4,196 | 4,342 |
| Mathematics/applied mathematics | 2,757 | 2,892 | 3,114 | 3,266 | 3,365 | 3,263 | 3,398 |
| Statistics | 662 | 794 | 804 | 919 | 887 | 933 | 944 |
| Physical sciences | 5,829 | 6,011 | 6,280 | 6,841 | 6,603 | 6,657 | 6,626 |
| Astronomy | 183 | 193 | 194 | 225 | 210 | 190 | 204 |
| Chemistry | 3,482 | 3,651 | 3,746 | 3,983 | 3,862 | 3,904 | 3,900 |
| Physics | 2,101 | 2,102 | 2,231 | 2,543 | 2,442 | 2,458 | 2,409 |
| Other | 63 | 65 | 109 | 90 | 89 | 105 | 113 |
| Psychology | 7,545 | 7,691 | 8,420 | 8,858 | 9,478 | 10,358 | 10,224 |
| Clinical | 1,829 | 1,731 | 1,898 | 1,986 | 2,251 | 2,318 | 2,201 |
| General | 2,534 | 2,610 | 2,621 | 2,977 | 2,946 | 3,385 | 3,374 |
| Nonclinical | 3,182 | 3,350 | 3,901 | 3,895 | 4,281 | 4,655 | 4,649 |
| Social sciences | 14,978 | 15,900 | 17,033 | 18,637 | 18,386 | 19,260 | 20,306 |
| Agricultural economics | 455 | 496 | 575 | 536 | 523 | 557 | 543 |
| Anthropology (cultural and social) | 1,157 | 1,119 | 1,177 | 1,279 | 1,187 | 1,243 | 1,314 |
| Economics | 2,508 | 2,562 | 2,843 | 2,921 | 2,686 | 2,724 | 2,907 |
| Geography | 784 | 872 | 812 | 915 | 860 | 898 | 845 |
| History and philosophy of science | 78 | 72 | 97 | 107 | 107 | 138 | 121 |
| Linguistics | 454 | 495 | 466 | 588 | 570 | 633 | 577 |
| Political science and public administration | 5,142 | 5,562 | 6,241 | 6,950 | 7,333 | 7,807 | 8,319 |
| Sociology | 1,464 | 1,591 | 1,690 | 1,722 | 1,537 | 1,672 | 1,504 |
| Other | 2,936 | 3,131 | 3,132 | 3,619 | 3,583 | 3,588 | 4,176 |
| Engineering | 22,191 | 23,306 | 24,607 | 24,429 | 22,025 | 22,373 | 25,876 |
| Aerospace | 775 | 767 | 712 | 845 | 834 | 804 | 943 |
| Agricultural | 188 | 192 | 201 | 197 | 177 | 190 | 222 |
| Biomedical | 915 | 884 | 1,125 | 1,327 | 1,274 | 1,267 | 1,472 |
| Chemical | 1,595 | 1,541 | 1,616 | 1,600 | 1,392 | 1,293 | 1,429 |
| Civil | 3,840 | 3,820 | 4,107 | 4,363 | 4,175 | 4,057 | 4,198 |
| Electrical | 7,195 | 7,882 | 8,221 | 7,834 | 6,633 | 6,987 | 8,668 |
| Engineering science/physics | 299 | 339 | 404 | 392 | 361 | 317 | 321 |
| Industrial/manufacturing | 2,005 | 2,216 | 2,238 | 2,029 | 1,724 | 1,674 | 2,148 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Mechanical | 3,269 | 3,583 | 3,709 | 3,476 | 3,129 | 3,225 | 3,734 |
| Metallurgical/materials | 1,005 | 975 | 1,044 | 958 | 926 | 992 | 1,043 |
| Mining | 48 | 40 | 41 | 73 | 64 | 58 | 50 |
| Nuclear | 163 | 164 | 149 | 177 | 192 | 193 | 206 |
| Petroleum | 149 | 153 | 198 | 166 | 151 | 161 | 174 |
| Other | 745 | 750 | 842 | 992 | 993 | 1,155 | 1,268 |
| U.S. citizens and permanent residents | 46,301 | 48,207 | 54,625 | 59,649 | 58,853 | 60,157 | 60,978 |
| Science | 37,698 | 39,539 | 43,876 | 47,386 | 47,665 | 49,252 | 49,231 |
| Agricultural sciences | 1,916 | 1,845 | 1,856 | 1,971 | 1,870 | 1,828 | 1,764 |
| Biological sciences | 8,355 | 8,768 | 9,261 | 9,763 | 9,808 | 9,925 | 9,946 |
| Anatomy | 162 | 134 | 168 | 138 | 156 | 186 | 179 |
| Biochemistry | 577 | 530 | 561 | 627 | 564 | 601 | 669 |
| Biology | 1,837 | 1,883 | 2,052 | 2,139 | 2,248 | 2,247 | 2,340 |
| Biometry/epidemiology | 583 | 693 | 648 | 706 | 709 | 779 | 700 |
| Biophysics | 88 | 104 | 117 | 154 | 146 | 128 | 125 |
| Botany | 244 | 224 | 226 | 231 | 218 | 208 | 196 |
| Cell/molecular biology | 748 | 715 | 814 | 822 | 827 | 893 | 978 |
| Ecology | 241 | 303 | 280 | 291 | 261 | 282 | 256 |
| Entomology/parasitology | 146 | 144 | 163 | 142 | 163 | 118 | 125 |
| Genetics | 307 | 289 | 296 | 283 | 338 | 280 | 250 |
| Microbiology, immunology, and virology | 640 | 660 | 686 | 718 | 671 | 681 | 708 |
| Nutrition | 603 | 668 | 673 | 678 | 614 | 651 | 688 |
| Pathology | 215 | 266 | 248 | 194 | 227 | 198 | 218 |
| Pharmacology | 382 | 350 | 417 | 415 | 385 | 323 | 353 |
| Physiology | 475 | 519 | 552 | 640 | 645 | 596 | 534 |
| Zoology | 195 | 216 | 194 | 221 | 182 | 161 | 153 |
| Other | 912 | 1,070 | 1,166 | 1,364 | 1,454 | 1,593 | 1,474 |
| Computer sciences | 2,414 | 2,621 | 3,534 | 3,891 | 3,632 | 3,632 | 3,382 |
| Earth, atmospheric, and ocean sciences | 2,082 | 2,210 | 2,548 | 2,573 | 2,468 | 2,270 | 2,289 |
| Atmospheric | 147 | 140 | 157 | 220 | 186 | 172 | 170 |
| Earth | 986 | 1,091 | 1,179 | 1,129 | 1,102 | 1,073 | 1,068 |
| Ocean | 374 | 426 | 447 | 485 | 476 | 376 | 380 |
| Other | 575 | 553 | 765 | 739 | 704 | 649 | 671 |
| Mathematics and statistics | 1,849 | 2,030 | 2,311 | 2,527 | 2,632 | 2,561 | 2,522 |
| Mathematics/applied mathematics | 1,532 | 1,717 | 1,952 | 2,106 | 2,222 | 2,163 | 2,113 |
| Statistics | 317 | 313 | 359 | 421 | 410 | 398 | 409 |
| Physical sciences | 3,323 | 3,325 | 3,775 | 4,091 | 4,026 | 4,138 | 4,045 |
| Astronomy | 123 | 135 | 137 | 150 | 145 | 144 | 142 |
| Chemistry | 2,151 | 2,125 | 2,292 | 2,438 | 2,391 | 2,461 | 2,405 |
| Physics | 1,009 | 1,025 | 1,270 | 1,442 | 1,416 | 1,439 | 1,406 |
| Other | 40 | 40 | 76 | 61 | 74 | 94 | 92 |
| Psychology | 7,060 | 7,167 | 7,902 | 8,285 | 8,944 | 9,800 | 9,645 |
| Clinical | 1,751 | 1,634 | 1,806 | 1,898 | 2,167 | 2,227 | 2,107 |
| General | 2,342 | 2,413 | 2,431 | 2,762 | 2,744 | 3,189 | 3,170 |
| Nonclinical | 2,967 | 3,120 | 3,665 | 3,625 | 4,033 | 4,384 | 4,368 |
| Social sciences | 10,699 | 11,573 | 12,689 | 14,285 | 14,285 | 15,098 | 15,638 |
| Agricultural economics | 231 | 250 | 353 | 321 | 319 | 343 | 305 |
| Anthropology (cultural and social) | 996 | 985 | 1,028 | 1,142 | 1,068 | 1,131 | 1,170 |
| Economics | 976 | 1,025 | 1,206 | 1,373 | 1,270 | 1,251 | 1,329 |
| Geography | 626 | 703 | 675 | 741 | 731 | 759 | 706 |
| History and philosophy of science | 65 | 62 | 90 | 95 | 97 | 115 | 109 |
| Linguistics | 257 | 294 | 305 | 405 | 381 | 440 | 417 |
| Political science and public administration | 3,870 | 4,291 | 4,949 | 5,561 | 5,974 | 6,475 | 6,670 |
| Sociology | 1,205 | 1,311 | 1,440 | 1,501 | 1,357 | 1,474 | 1,339 |
| Other | 2,473 | 2,652 | 2,643 | 3,146 | 3,088 | 3,110 | 3,593 |
| Engineering | 8,603 | 8,668 | 10,749 | 12,263 | 11,188 | 10,905 | 11,747 |
| Aerospace | 374 | 348 | 396 | 536 | 537 | 508 | 616 |
| Agricultural | 111 | 106 | 118 | 118 | 96 | 94 | 104 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Biomedical | 593 | 554 | 710 | 879 | 841 | 821 | 951 |
| Chemical | 651 | 616 | 760 | 852 | 733 | 624 | 684 |
| Civil | 2,009 | 1,989 | 2,250 | 2,595 | 2,591 | 2,492 | 2,650 |
| Electrical | 1,901 | 1,985 | 2,679 | 3,127 | 2,458 | 2,430 | 2,305 |
| Engineering science/physics | 136 | 164 | 228 | 231 | 225 | 177 | 173 |
| Industrial/manufacturing | 596 | 590 | 781 | 832 | 755 | 690 | 933 |
| Mechanical | 1,231 | 1,373 | 1,681 | 1,843 | 1,684 | 1,668 | 1,889 |
| Metallurgical/materials | 413 | 410 | 502 | 479 | 454 | 482 | 545 |
| Mining | 28 | 27 | 27 | 38 | 37 | 35 | 25 |
| Nuclear | 78 | 76 | 99 | 114 | 138 | 143 | 160 |
| Petroleum | 56 | 52 | 47 | 25 | 46 | 26 | 20 |
| Other | 426 | 378 | 471 | 594 | 593 | 715 | 692 |
| White | 33,868 | 34,664 | 38,769 | 41,619 | 40,617 | 40,955 | 40,988 |
| Science | 27,874 | 28,737 | 31,480 | 33,551 | 33,008 | 33,725 | 33,440 |
| Agricultural sciences | 1,670 | 1,560 | 1,571 | 1,638 | 1,528 | 1,457 | 1,421 |
| Biological sciences | 6,222 | 6,368 | 6,789 | 6,928 | 6,811 | 6,742 | 6,731 |
| Anatomy | 120 | 117 | 121 | 96 | 107 | 125 | 123 |
| Biochemistry | 415 | 380 | 423 | 417 | 401 | 381 | 433 |
| Biology | 1,430 | 1,396 | 1,593 | 1,580 | 1,607 | 1,580 | 1,654 |
| Biometry/epidemiology | 364 | 448 | 417 | 460 | 418 | 473 | 391 |
| Biophysics | 59 | 69 | 75 | 118 | 104 | 85 | 96 |
| Botany | 214 | 195 | 190 | 186 | 168 | 176 | 151 |
| Cell/molecular biology | 536 | 473 | 551 | 546 | 538 | 587 | 603 |
| Ecology | 210 | 254 | 234 | 238 | 217 | 236 | 208 |
| Entomology/parasitology | 126 | 118 | 150 | 122 | 140 | 100 | 101 |
| Genetics | 233 | 217 | 228 | 205 | 261 | 214 | 186 |
| Microbiology, immunology, and virology | 461 | 478 | 481 | 506 | 452 | 447 | 471 |
| Nutrition | 499 | 536 | 544 | 529 | 456 | 510 | 522 |
| Pathology | 161 | 195 | 182 | 130 | 176 | 140 | 154 |
| Pharmacology | 281 | 230 | 280 | 261 | 245 | 217 | 219 |
| Physiology | 283 | 334 | 340 | 416 | 383 | 325 | 281 |
| Zoology | 173 | 195 | 171 | 192 | 160 | 125 | 131 |
| Other | 657 | 733 | 809 | 926 | 978 | 1,021 | 1,007 |
| Computer sciences | 1,481 | 1,578 | 2,046 | 2,399 | 2,159 | 2,240 | 2,097 |
| Earth, atmospheric, and ocean sciences | 1,836 | 1,935 | 2,164 | 2,175 | 2,069 | 1,917 | 1,904 |
| Atmospheric | 124 | 125 | 142 | 190 | 155 | 141 | 148 |
| Earth | 882 | 979 | 1,004 | 984 | 955 | 940 | 917 |
| Ocean | 339 | 360 | 385 | 410 | 407 | 316 | 311 |
| Other | 491 | 471 | 633 | 591 | 552 | 520 | 528 |
| Mathematics and statistics | 1,384 | 1,569 | 1,722 | 1,848 | 1,913 | 1,866 | 1,796 |
| Mathematics/applied mathematics | 1,162 | 1,321 | 1,465 | 1,546 | 1,634 | 1,592 | 1,513 |
| Statistics | 222 | 248 | 257 | 302 | 279 | 274 | 283 |
| Physical sciences | 2,587 | 2,557 | 2,935 | 3,113 | 3,034 | 3,175 | 2,981 |
| Astronomy | 98 | 115 | 113 | 118 | 126 | 115 | 107 |
| Chemistry | 1,666 | 1,621 | 1,781 | 1,817 | 1,762 | 1,878 | 1,740 |
| Physics | 788 | 790 | 985 | 1,128 | 1,092 | 1,107 | 1,063 |
| Other | 35 | 31 | 56 | 50 | 54 | 75 | 71 |
| Psychology | 5,274 | 5,251 | 5,793 | 5,971 | 6,086 | 6,482 | 6,415 |
| Clinical | 1,318 | 1,171 | 1,309 | 1,352 | 1,478 | 1,453 | 1,372 |
| General | 1,728 | 1,795 | 1,839 | 2,027 | 1,974 | 2,225 | 2,122 |
| Nonclinical | 2,228 | 2,285 | 2,645 | 2,592 | 2,634 | 2,804 | 2,921 |
| Social sciences | 7,420 | 7,919 | 8,460 | 9,479 | 9,408 | 9,846 | 10,095 |
| Agricultural economics | 197 | 213 | 300 | 262 | 262 | 268 | 246 |
| Anthropology (cultural and social) | 778 | 768 | 776 | 859 | 787 | 835 | 850 |
| Economics | 687 | 700 | 770 | 894 | 870 | 891 | 905 |
| Geography | 546 | 605 | 590 | 626 | 604 | 612 | 563 |
| History and philosophy of science | 54 | 53 | 68 | 69 | 73 | 92 | 84 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Linguistics | 195 | 220 | 231 | 290 | 274 | 294 | 269 |
| Political science and public administration | 2,466 | 2,799 | 3,068 | 3,476 | 3,722 | 3,959 | 4,084 |
| Sociology | 855 | 912 | 982 | 1,014 | 941 | 1,007 | 888 |
| Other | 1,642 | 1,649 | 1,675 | 1,989 | 1,875 | 1,888 | 2,206 |
| Engineering | 5,994 | 5,927 | 7,289 | 8,068 | 7,609 | 7,230 | 7,548 |
| Aerospace | 285 | 295 | 308 | 394 | 408 | 354 | 453 |
| Agricultural | 89 | 85 | 100 | 92 | 78 | 75 | 82 |
| Biomedical | 411 | 354 | 455 | 538 | 488 | 501 | 549 |
| Chemical | 455 | 434 | 510 | 576 | 556 | 432 | 457 |
| Civil | 1,542 | 1,470 | 1,701 | 1,970 | 1,962 | 1,863 | 1,861 |
| Electrical | 1,121 | 1,144 | 1,480 | 1,617 | 1,383 | 1,318 | 1,201 |
| Engineering science/physics | 96 | 112 | 171 | 178 | 166 | 122 | 122 |
| Industrial/manufacturing | 355 | 392 | 514 | 512 | 452 | 404 | 521 |
| Mechanical | 950 | 983 | 1,244 | 1,322 | 1,242 | 1,222 | 1,357 |
| Metallurgical/materials | 323 | 321 | 383 | 338 | 349 | 359 | 375 |
| Mining | 25 | 22 | 24 | 35 | 29 | 27 | 22 |
| Nuclear | 63 | 65 | 85 | 95 | 110 | 116 | 130 |
| Petroleum | 13 | 6 | 10 | 17 | 27 | 13 | 9 |
| Other | 266 | 244 | 304 | 384 | 359 | 424 | 409 |
| Asian/Pacific Islander | 4,046 | 4,275 | 5,348 | 5,788 | 5,566 | 5,621 | 5,761 |
| Science | 2,906 | 3,038 | 3,592 | 3,851 | 3,966 | 4,080 | 4,066 |
| Agricultural sciences | 39 | 51 | 50 | 55 | 59 | 64 | 55 |
| Biological sciences | 883 | 923 | 988 | 1,126 | 1,224 | 1,195 | 1,230 |
| Anatomy | 18 | 10 | 16 | 19 | 17 | 20 | 14 |
| Biochemistry | 78 | 69 | 53 | 103 | 80 | 89 | 93 |
| Biology | 128 | 105 | 125 | 154 | 176 | 176 | 214 |
| Biometry/epidemiology | 83 | 111 | 100 | 110 | 126 | 122 | 130 |
| Biophysics | 22 | 23 | 22 | 18 | 23 | 20 | 22 |
| Botany | 14 | 13 | 12 | 22 | 17 | 11 | 15 |
| Cell/molecular biology | 103 | 95 | 116 | 114 | 135 | 141 | 174 |
| Ecology | 7 | 8 | 7 | 9 | 10 | 11 | 13 |
| Entomology/parasitology | 5 | 8 | 2 | 7 | 8 | 2 | 6 |
| Genetics | 31 | 23 | 32 | 39 | 25 | 17 | 24 |
| Microbiology, immunology, and virology | 56 | 71 | 80 | 77 | 102 | 76 | 94 |
| Nutrition | 40 | 55 | 48 | 57 | 49 | 54 | 48 |
| Pathology | 23 | 32 | 35 | 27 | 26 | 21 | 21 |
| Pharmacology | 52 | 54 | 50 | 57 | 53 | 42 | 65 |
| Physiology | 125 | 133 | 156 | 165 | 194 | 200 | 143 |
| Zoology | 4 | 4 | 5 | 8 | 10 | 10 | 6 |
| Other | 94 | 109 | 129 | 140 | 173 | 183 | 148 |
| Computer sciences | 551 | 553 | 830 | 736 | 645 | 608 | 516 |
| Earth, atmospheric, and ocean sciences | 58 | 71 | 77 | 66 | 83 | 73 | 81 |
| Atmospheric | 4 | 6 | 3 | 16 | 7 | 8 | 6 |
| Earth | 26 | 29 | 36 | 15 | 30 | 24 | 29 |
| Ocean | 9 | 14 | 14 | 8 | 14 | 11 | 11 |
| Other | 19 | 22 | 24 | 27 | 32 | 30 | 35 |
| Mathematics and statistics | 176 | 181 | 234 | 269 | 282 | 267 | 288 |
| Mathematics/applied mathematics | 132 | 152 | 180 | 213 | 214 | 200 | 213 |
| Statistics | 44 | 29 | 54 | 56 | 68 | 67 | 75 |
| Physical sciences | 275 | 241 | 237 | 293 | 306 | 326 | 351 |
| Astronomy | 7 | 6 | 9 | 11 | 6 | 8 | 11 |
| Chemistry | 189 | 153 | 151 | 197 | 215 | 218 | 237 |
| Physics | 78 | 78 | 68 | 79 | 78 | 94 | 96 |
| Other | 1 | 4 | 9 | 6 | 7 | 6 | 7 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Psychology | 341 | 330 | 357 | 394 | 466 | 482 | 526 |
| Clinical | 97 | 83 | 88 | 97 | 111 | 120 | 131 |
| General | 109 | 118 | 113 | 154 | 166 | 179 | 172 |
| Nonclinical | 135 | 129 | 156 | 143 | 189 | 183 | 223 |
| Social sciences | 583 | 688 | 819 | 912 | 901 | 1,065 | 1,019 |
| Agricultural economics | 3 | 7 | 10 | 11 | 13 | 11 | 12 |
| Anthropology (cultural and social) | 36 | 36 | 42 | 44 | 31 | 52 | 48 |
| Economics | 85 | 110 | 142 | 162 | 149 | 146 | 151 |
| Geography | 16 | 27 | 18 | 29 | 27 | 31 | 25 |
| History and philosophy of science | 3 | 1 | 5 | 5 | 5 | 5 | 7 |
| Linguistics | 17 | 28 | 26 | 35 | 28 | 46 | 29 |
| Political science and public administration | 253 | 283 | 340 | 349 | 377 | 496 | 457 |
| Sociology | 50 | 60 | 75 | 85 | 58 | 80 | 76 |
| Other | 120 | 136 | 161 | 192 | 213 | 198 | 214 |
| Engineering | 1,140 | 1,237 | 1,756 | 1,937 | 1,600 | 1,541 | 1,695 |
| Aerospace | 42 | 23 | 41 | 50 | 46 | 61 | 72 |
| Agricultural | 5 | 11 | 11 | 13 | 14 | 11 | 6 |
| Biomedical | 103 | 111 | 146 | 154 | 195 | 175 | 223 |
| Chemical | 93 | 94 | 125 | 127 | 79 | 82 | 105 |
| Civil | 153 | 180 | 211 | 218 | 225 | 203 | 235 |
| Electrical | 422 | 444 | 743 | 864 | 582 | 582 | 534 |
| Engineering science/physics | 21 | 33 | 39 | 31 | 38 | 27 | 31 |
| Industrial/manufacturing | 74 | 65 | 111 | 124 | 82 | 93 | 113 |
| Mechanical | 105 | 166 | 184 | 204 | 165 | 166 | 201 |
| Metallurgical/materials | 46 | 36 | 69 | 73 | 55 | 59 | 83 |
| Mining | 1 | 5 | 1 | 2 | 2 | 2 | 0 |
| Nuclear | 8 | 3 | 3 | 7 | 9 | 7 | 7 |
| Petroleum | 11 | 12 | 8 | 2 | 10 | 2 | 3 |
| Other | 56 | 54 | 64 | 68 | 98 | 71 | 82 |
| Black | 2,908 | 3,020 | 3,341 | 3,584 | 3,832 | 3,929 | 4,006 |
| Science | 2,446 | 2,617 | 2,858 | 3,080 | 3,316 | 3,405 | 3,394 |
| Agricultural sciences | 51 | 65 | 64 | 105 | 74 | 104 | 67 |
| Biological sciences | 386 | 472 | 457 | 503 | 612 | 613 | 604 |
| Anatomy | 9 | 1 | 7 | 3 | 7 | 11 | 7 |
| Biochemistry | 27 | 20 | 19 | 33 | 23 | 34 | 38 |
| Biology | 88 | 137 | 106 | 114 | 160 | 162 | 155 |
| Biometry/epidemiology | 33 | 45 | 52 | 41 | 58 | 63 | 67 |
| Biophysics | 2 | 3 | 4 | 4 | 3 | 2 | 0 |
| Botany | 6 | 3 | 6 | 1 | 1 | 2 | 7 |
| Cell/molecular biology | 26 | 34 | 31 | 31 | 44 | 35 | 43 |
| Ecology | 2 | 3 | 3 | 8 | 5 | 1 | 0 |
| Entomology/parasitology | 3 | 5 | 1 | 2 | 2 | 2 | 4 |
| Genetics | 14 | 13 | 9 | 13 | 16 | 13 | 10 |
| Microbiology, immunology, and virology | 35 | 35 | 36 | 40 | 41 | 45 | 44 |
| Nutrition | 23 | 29 | 28 | 27 | 45 | 33 | 29 |
| Pathology | 9 | 12 | 9 | 13 | 10 | 6 | 14 |
| Pharmacology | 19 | 32 | 33 | 34 | 47 | 28 | 30 |
| Physiology | 23 | 21 | 16 | 19 | 22 | 21 | 20 |
| Zoology | 4 | 2 | 5 | 0 | 1 | 1 | 4 |
| Other | 63 | 77 | 92 | 120 | 127 | 154 | 132 |
| Computer sciences | 130 | 142 | 191 | 207 | 221 | 206 | 193 |
| Earth, atmospheric, and ocean sciences | 31 | 38 | 49 | 51 | 38 | 48 | 42 |
| Atmospheric | 2 | 1 | 5 | 2 | 7 | 8 | 4 |
| Earth | 7 | 10 | 16 | 15 | 8 | 9 | 8 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Ocean | 3 | 10 | 10 | 8 | 5 | 13 | 8 |
| Other | 19 | 17 | 18 | 26 | 18 | 18 | 22 |
| Mathematics and statistics | 105 | 87 | 118 | 130 | 141 | 133 | 128 |
| Mathematics/applied mathematics | 93 | 77 | 102 | 105 | 117 | 119 | 111 |
| Statistics | 12 | 10 | 16 | 25 | 24 | 14 | 17 |
| Physical sciences | 146 | 161 | 168 | 186 | 193 | 168 | 154 |
| Astronomy | 3 | 1 | 2 | 2 | 3 | 1 | 5 |
| Chemistry | 110 | 121 | 114 | 131 | 135 | 109 | 117 |
| Physics | 32 | 38 | 50 | 52 | 50 | 55 | 27 |
| Other | 1 | 1 | 2 | 1 | 5 | 3 | 5 |
| Psychology | 530 | 530 | 562 | 581 | 651 | 755 | 746 |
| Clinical | 115 | 99 | 116 | 120 | 130 | 131 | 131 |
| General | 201 | 207 | 177 | 214 | 211 | 286 | 261 |
| Nonclinical | 214 | 224 | 269 | 247 | 310 | 338 | 354 |
| Social sciences | 1,067 | 1,122 | 1,249 | 1,317 | 1,386 | 1,378 | 1,460 |
| Agricultural economics | 18 | 15 | 26 | 18 | 14 | 25 | 19 |
| Anthropology (cultural and social) | 40 | 28 | 34 | 42 | 43 | 42 | 35 |
| Economics | 61 | 38 | 58 | 75 | 78 | 62 | 75 |
| Geography | 13 | 20 | 18 | 18 | 20 | 21 | 23 |
| History and philosophy of science | 1 | 0 | 3 | 3 | 3 | 3 | 4 |
| Linguistics | 5 | 3 | 3 | 9 | 13 | 16 | 8 |
| Political science and public administration | 542 | 529 | 591 | 596 | 669 | 684 | 690 |
| Sociology | 115 | 172 | 177 | 199 | 165 | 172 | 155 |
| Other | 272 | 317 | 339 | 357 | 381 | 353 | 451 |
| Engineering | 462 | 403 | 483 | 504 | 516 | 524 | 612 |
| Aerospace | 14 | 4 | 8 | 9 | 18 | 12 | 17 |
| Agricultural | 5 | 5 | 5 | 5 | 2 | 1 | 4 |
| Biomedical | 26 | 29 | 32 | 35 | 50 | 38 | 42 |
| Chemical | 36 | 31 | 36 | 37 | 30 | 28 | 21 |
| Civil | 79 | 72 | 59 | 47 | 84 | 74 | 117 |
| Electrical | 108 | 108 | 130 | 136 | 121 | 124 | 151 |
| Engineering science/physics | 2 | 2 | 7 | 4 | 3 | 7 | 5 |
| Industrial/manufacturing | 72 | 50 | 79 | 76 | 73 | 70 | 94 |
| Mechanical | 58 | 60 | 66 | 70 | 58 | 69 | 64 |
| Metallurgical/materials | 23 | 20 | 23 | 22 | 8 | 15 | 34 |
| Mining | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Nuclear | 4 | 0 | 1 | 3 | 4 | 4 | 1 |
| Petroleum | 0 | 0 | 1 | 2 | 6 | 9 | 2 |
| Other | 35 | 22 | 36 | 58 | 58 | 72 | 60 |
| Hispanic | 2,331 | 2,626 | 3,020 | 3,313 | 3,421 | 3,802 | 3,928 |
| Science | 1,872 | 2,146 | 2,468 | 2,634 | 2,772 | 3,153 | 3,215 |
| Agricultural sciences | 75 | 65 | 69 | 78 | 93 | 86 | 95 |
| Biological sciences | 385 | 487 | 524 | 537 | 544 | 632 | 630 |
| Anatomy | 8 | 3 | 8 | 10 | 13 | 11 | 15 |
| Biochemistry | 28 | 35 | 39 | 38 | 28 | 42 | 57 |
| Biology | 82 | 126 | 110 | 121 | 118 | 151 | 139 |
| Biometry/epidemiology | 38 | 32 | 48 | 56 | 57 | 54 | 61 |
| Biophysics | 1 | 7 | 3 | 5 | 9 | 6 | 3 |
| Botany | 2 | 4 | 4 | 6 | 14 | 6 | 10 |
| Cell/molecular biology | 40 | 46 | 61 | 42 | 51 | 59 | 89 |
| Ecology | 6 | 11 | 11 | 5 | 10 | 13 | 12 |
| Entomology/parasitology | 8 | 7 | 3 | 5 | 6 | 9 | 7 |
| Genetics | 7 | 16 | 12 | 4 | 13 | 10 | 8 |
| Microbiology, immunology, and virology | 36 | 47 | 53 | 61 | 44 | 58 | 60 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|-------|-------|
| Nutrition | 18 | 19 | 24 | 38 | 33 | 19 | 31 |
| Pathology | 7 | 16 | 8 | 13 | 7 | 14 | 6 |
| Pharmacology | 20 | 25 | 33 | 22 | 17 | 21 | 19 |
| Physiology | 19 | 12 | 22 | 15 | 29 | 27 | 34 |
| Zoology | 4 | 6 | 4 | 5 | 4 | 11 | 2 |
| Other | 61 | 75 | 81 | 91 | 91 | 121 | 77 |
| Computer sciences | 56 | 70 | 102 | 121 | 142 | 149 | 147 |
| Earth, atmospheric, and ocean sciences | 65 | 67 | 90 | 87 | 93 | 90 | 100 |
| Atmospheric | 3 | 2 | 2 | 3 | 8 | 10 | 3 |
| Earth | 29 | 24 | 43 | 29 | 36 | 31 | 40 |
| Ocean | 14 | 26 | 25 | 33 | 27 | 19 | 30 |
| Other | 19 | 15 | 20 | 22 | 22 | 30 | 27 |
| Mathematics and statistics | 73 | 87 | 88 | 97 | 96 | 115 | 105 |
| Mathematics/applied mathematics | 60 | 77 | 77 | 84 | 80 | 101 | 94 |
| Statistics | 13 | 10 | 11 | 13 | 16 | 14 | 11 |
| Physical sciences | 136 | 153 | 193 | 217 | 209 | 208 | 204 |
| Astronomy | 4 | 3 | 4 | 6 | 5 | 7 | 2 |
| Chemistry | 96 | 117 | 129 | 147 | 126 | 130 | 123 |
| Physics | 34 | 31 | 55 | 62 | 76 | 67 | 78 |
| Other | 2 | 2 | 5 | 2 | 2 | 4 | 1 |
| Psychology | 403 | 416 | 556 | 585 | 634 | 741 | 801 |
| Clinical | 114 | 124 | 149 | 166 | 194 | 191 | 189 |
| General | 142 | 109 | 133 | 161 | 155 | 232 | 267 |
| Nonclinical | 147 | 183 | 274 | 258 | 285 | 318 | 345 |
| Social sciences | 679 | 801 | 846 | 912 | 961 | 1,132 | 1,133 |
| Agricultural economics | 5 | 9 | 8 | 12 | 12 | 16 | 5 |
| Anthropology (cultural and social) | 52 | 65 | 77 | 71 | 80 | 76 | 73 |
| Economics | 36 | 63 | 62 | 73 | 60 | 51 | 69 |
| Geography | 18 | 11 | 16 | 25 | 22 | 38 | 34 |
| History and philosophy of science | 0 | 3 | 5 | 4 | 2 | 5 | 7 |
| Linguistics | 17 | 17 | 20 | 18 | 27 | 30 | 35 |
| Political science and public administration | 277 | 298 | 335 | 348 | 434 | 509 | 475 |
| Sociology | 91 | 88 | 106 | 113 | 91 | 101 | 112 |
| Other | 183 | 247 | 217 | 248 | 233 | 306 | 323 |
| Engineering | 459 | 480 | 552 | 679 | 649 | 649 | 713 |
| Aerospace | 11 | 7 | 14 | 25 | 27 | 28 | 21 |
| Agricultural | 7 | 3 | 0 | 2 | 0 | 5 | 5 |
| Biomedical | 21 | 18 | 23 | 37 | 37 | 38 | 59 |
| Chemical | 39 | 31 | 52 | 71 | 44 | 44 | 56 |
| Civil | 139 | 155 | 139 | 175 | 148 | 157 | 184 |
| Electrical | 87 | 93 | 144 | 157 | 162 | 157 | 139 |
| Engineering science/physics | 4 | 4 | 4 | 9 | 5 | 7 | 8 |
| Industrial/manufacturing | 52 | 34 | 41 | 43 | 73 | 51 | 74 |
| Mechanical | 60 | 84 | 86 | 108 | 96 | 102 | 104 |
| Metallurgical/materials | 9 | 14 | 13 | 20 | 18 | 14 | 17 |
| Mining | 1 | 0 | 0 | 0 | 2 | 2 | 1 |
| Nuclear | 3 | 7 | 5 | 5 | 4 | 8 | 8 |
| Petroleum | 16 | 18 | 10 | 2 | 2 | 1 | 3 |
| Other | 10 | 12 | 21 | 25 | 31 | 35 | 34 |
| American Indian/Alaska Native | 248 | 296 | 272 | 318 | 342 | 332 | 390 |
| Science | 218 | 258 | 232 | 267 | 299 | 293 | 331 |
| Agricultural sciences | 11 | 11 | 16 | 15 | 20 | 14 | 16 |
| Biological sciences | 33 | 42 | 29 | 56 | 44 | 44 | 68 |
| Anatomy | 1 | 1 | 0 | 3 | 0 | 0 | 1 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|
| Biochemistry | 2 | 1 | 1 | 5 | 3 | 4 | 8 |
| Biology | 9 | 9 | 4 | 9 | 9 | 12 | 15 |
| Biometry/epidemiology | 4 | 5 | 3 | 5 | 2 | 4 | 4 |
| Biophysics | 0 | 0 | 0 | 0 | 3 | 0 | 0 |
| Botany | 0 | 1 | 0 | 1 | 1 | 0 | 4 |
| Cell/molecular biology | 2 | 4 | 3 | 2 | 4 | 6 | 13 |
| Ecology | 1 | 3 | 2 | 2 | 2 | 1 | 0 |
| Entomology/parasitology | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| Genetics | 2 | 2 | 2 | 1 | 3 | 1 | 2 |
| Microbiology, immunology, and virology | 4 | 2 | 4 | 3 | 3 | 2 | 3 |
| Nutrition | 0 | 2 | 2 | 3 | 2 | 3 | 2 |
| Pathology | 0 | 0 | 0 | 2 | 0 | 2 | 0 |
| Pharmacology | 2 | 2 | 3 | 7 | 5 | 1 | 5 |
| Physiology | 1 | 4 | 3 | 3 | 1 | 1 | 0 |
| Zoology | 1 | 2 | 0 | 3 | 1 | 2 | 3 |
| Other | 3 | 4 | 2 | 6 | 5 | 5 | 8 |
| Computer sciences | 3 | 11 | 11 | 13 | 13 | 11 | 16 |
| Earth, atmospheric, and ocean sciences | 13 | 17 | 17 | 7 | 19 | 13 | 17 |
| Atmospheric | 1 | 2 | 1 | 1 | 2 | 0 | 0 |
| Earth | 7 | 8 | 5 | 3 | 6 | 10 | 8 |
| Ocean | 1 | 2 | 3 | 1 | 4 | 1 | 4 |
| Other | 4 | 5 | 8 | 2 | 7 | 2 | 5 |
| Mathematics and statistics | 5 | 5 | 3 | 5 | 9 | 6 | 16 |
| Mathematics/applied mathematics | 4 | 4 | 3 | 5 | 9 | 6 | 16 |
| Statistics | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Physical sciences | 12 | 15 | 20 | 14 | 16 | 16 | 31 |
| Astronomy | 1 | 0 | 2 | 1 | 0 | 1 | 3 |
| Chemistry | 9 | 12 | 10 | 11 | 12 | 10 | 20 |
| Physics | 2 | 3 | 8 | 1 | 3 | 4 | 6 |
| Other | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| Psychology | 40 | 50 | 49 | 57 | 61 | 44 | 52 |
| Clinical | 9 | 14 | 17 | 17 | 20 | 13 | 12 |
| General | 14 | 13 | 17 | 19 | 18 | 12 | 18 |
| Nonclinical | 17 | 23 | 15 | 21 | 23 | 19 | 22 |
| Social sciences | 101 | 107 | 87 | 100 | 117 | 145 | 115 |
| Agricultural economics | 1 | 0 | 2 | 1 | 5 | 6 | 2 |
| Anthropology (cultural and social) | 16 | 16 | 6 | 20 | 17 | 29 | 22 |
| Economics | 4 | 7 | 6 | 4 | 1 | 5 | 6 |
| Geography | 2 | 4 | 4 | 2 | 4 | 9 | 5 |
| History and philosophy of science | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| Linguistics | 0 | 5 | 3 | 3 | 6 | 6 | 4 |
| Political science and public administration | 27 | 31 | 21 | 32 | 41 | 42 | 29 |
| Sociology | 15 | 18 | 10 | 11 | 10 | 9 | 8 |
| Other | 36 | 26 | 35 | 26 | 33 | 38 | 38 |
| Engineering | 30 | 38 | 40 | 51 | 43 | 39 | 59 |
| Aerospace | 3 | 1 | 1 | 7 | 1 | 3 | 3 |
| Agricultural | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Biomedical | 0 | 1 | 2 | 1 | 5 | 2 | 6 |
| Chemical | 1 | 4 | 9 | 2 | 3 | 3 | 4 |
| Civil | 12 | 7 | 11 | 7 | 11 | 9 | 17 |
| Electrical | 4 | 5 | 5 | 13 | 6 | 6 | 7 |
| Engineering science/physics | 2 | 2 | 2 | 5 | 1 | 2 | 0 |
| Industrial/manufacturing | 3 | 8 | 0 | 4 | 5 | 5 | 7 |
| Mechanical | 4 | 6 | 6 | 8 | 8 | 4 | 10 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|
| Metallurgical/materials | 0 | 1 | 0 | 2 | 0 | 1 | 1 |
| Mining | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Nuclear | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Petroleum | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 3 | 2 | 2 | 2 | 3 | 2 |
| Other or unknown race/ethnicity | 2,900 | 3,326 | 3,875 | 5,027 | 5,075 | 5,518 | 5,905 |
| Science | 2,382 | 2,743 | 3,246 | 4,003 | 4,304 | 4,596 | 4,785 |
| Agricultural sciences | 70 | 93 | 86 | 80 | 96 | 103 | 110 |
| Biological sciences | 446 | 476 | 474 | 613 | 573 | 699 | 683 |
| Anatomy | 6 | 2 | 16 | 7 | 12 | 19 | 19 |
| Biochemistry | 27 | 25 | 26 | 31 | 29 | 51 | 40 |
| Biology | 100 | 110 | 114 | 161 | 178 | 166 | 163 |
| Biometry/epidemiology | 61 | 52 | 28 | 34 | 48 | 63 | 47 |
| Biophysics | 4 | 2 | 13 | 9 | 4 | 15 | 4 |
| Botany | 8 | 8 | 14 | 15 | 17 | 13 | 9 |
| Cell/molecular biology | 41 | 63 | 52 | 87 | 55 | 65 | 56 |
| Ecology | 15 | 24 | 23 | 29 | 17 | 20 | 23 |
| Entomology/parasitology | 3 | 6 | 7 | 5 | 7 | 5 | 7 |
| Genetics | 20 | 18 | 13 | 21 | 20 | 25 | 20 |
| Microbiology, immunology, and virology | 48 | 27 | 32 | 31 | 29 | 53 | 36 |
| Nutrition | 23 | 27 | 27 | 24 | 29 | 32 | 56 |
| Pathology | 15 | 11 | 14 | 9 | 8 | 15 | 23 |
| Pharmacology | 8 | 7 | 18 | 34 | 18 | 14 | 15 |
| Physiology | 24 | 15 | 15 | 22 | 16 | 22 | 56 |
| Zoology | 9 | 7 | 9 | 13 | 6 | 12 | 7 |
| Other | 34 | 72 | 53 | 81 | 80 | 109 | 102 |
| Computer sciences | 193 | 267 | 354 | 415 | 452 | 418 | 413 |
| Earth, atmospheric, and ocean sciences | 79 | 82 | 151 | 187 | 166 | 129 | 145 |
| Atmospheric | 13 | 4 | 4 | 8 | 7 | 5 | 9 |
| Earth | 35 | 41 | 75 | 83 | 67 | 59 | 66 |
| Ocean | 8 | 14 | 10 | 25 | 19 | 16 | 16 |
| Other | 23 | 23 | 62 | 71 | 73 | 49 | 54 |
| Mathematics and statistics | 106 | 101 | 146 | 178 | 191 | 174 | 189 |
| Mathematics/applied mathematics | 81 | 86 | 125 | 153 | 168 | 145 | 166 |
| Statistics | 25 | 15 | 21 | 25 | 23 | 29 | 23 |
| Physical sciences | 167 | 198 | 222 | 268 | 268 | 245 | 324 |
| Astronomy | 10 | 10 | 7 | 12 | 5 | 12 | 14 |
| Chemistry | 81 | 101 | 107 | 135 | 141 | 116 | 168 |
| Physics | 75 | 85 | 104 | 120 | 117 | 112 | 136 |
| Other | 1 | 2 | 4 | 1 | 5 | 5 | 6 |
| Psychology | 472 | 590 | 585 | 697 | 1,046 | 1,296 | 1,105 |
| Clinical | 98 | 143 | 127 | 146 | 234 | 319 | 272 |
| General | 148 | 171 | 152 | 187 | 220 | 255 | 330 |
| Nonclinical | 226 | 276 | 306 | 364 | 592 | 722 | 503 |
| Social sciences | 849 | 936 | 1,228 | 1,565 | 1,512 | 1,532 | 1,816 |
| Agricultural economics | 7 | 6 | 7 | 17 | 13 | 17 | 21 |
| Anthropology (cultural and social) | 74 | 72 | 93 | 106 | 110 | 97 | 142 |
| Economics | 103 | 107 | 168 | 165 | 112 | 96 | 123 |
| Geography | 31 | 36 | 29 | 41 | 54 | 48 | 56 |
| History and philosophy of science | 7 | 5 | 9 | 13 | 14 | 9 | 6 |
| Linguistics | 23 | 21 | 22 | 50 | 33 | 48 | 72 |
| Political science and public administration | 305 | 351 | 594 | 760 | 731 | 785 | 935 |
| Sociology | 79 | 61 | 90 | 79 | 92 | 105 | 100 |
| Other | 220 | 277 | 216 | 334 | 353 | 327 | 361 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|
| Engineering | 518 | 583 | 629 | 1,024 | 771 | 922 | 1,120 |
| Aerospace | 19 | 18 | 24 | 51 | 37 | 50 | 50 |
| Agricultural | 4 | 2 | 2 | 6 | 2 | 2 | 6 |
| Biomedical | 32 | 41 | 52 | 114 | 66 | 67 | 72 |
| Chemical | 27 | 22 | 28 | 39 | 21 | 35 | 41 |
| Civil | 84 | 105 | 129 | 178 | 161 | 186 | 236 |
| Electrical | 159 | 191 | 177 | 340 | 204 | 243 | 273 |
| Engineering science/physics | 11 | 11 | 5 | 4 | 12 | 12 | 7 |
| Industrial/manufacturing | 40 | 41 | 36 | 73 | 70 | 67 | 124 |
| Mechanical | 54 | 74 | 95 | 131 | 115 | 105 | 153 |
| Metallurgical/materials | 12 | 18 | 14 | 24 | 24 | 34 | 35 |
| Mining | 1 | 0 | 0 | 1 | 3 | 3 | 2 |
| Nuclear | 0 | 1 | 5 | 4 | 10 | 7 | 13 |
| Petroleum | 16 | 16 | 18 | 2 | 1 | 1 | 3 |
| Other | 59 | 43 | 44 | 57 | 45 | 110 | 105 |
| Temporary residents | 32,031 | 34,204 | 32,202 | 29,682 | 27,712 | 28,881 | 33,435 |
| Science | 18,443 | 19,566 | 18,344 | 17,516 | 16,875 | 17,413 | 19,306 |
| Agricultural sciences | 419 | 493 | 464 | 453 | 446 | 432 | 442 |
| Biological sciences | 2,600 | 2,840 | 2,866 | 2,956 | 2,988 | 2,993 | 3,109 |
| Anatomy | 36 | 25 | 25 | 40 | 24 | 27 | 34 |
| Biochemistry | 352 | 321 | 319 | 331 | 343 | 329 | 323 |
| Biology | 445 | 493 | 480 | 471 | 492 | 579 | 654 |
| Biometry/epidemiology | 254 | 260 | 353 | 316 | 277 | 290 | 274 |
| Biophysics | 40 | 58 | 49 | 69 | 64 | 46 | 61 |
| Botany | 113 | 91 | 109 | 76 | 118 | 108 | 122 |
| Cell/molecular biology | 229 | 278 | 271 | 303 | 313 | 315 | 316 |
| Ecology | 39 | 45 | 37 | 54 | 41 | 32 | 38 |
| Entomology/parasitology | 39 | 58 | 40 | 33 | 48 | 35 | 44 |
| Genetics | 73 | 93 | 66 | 90 | 103 | 85 | 98 |
| Microbiology, immunology, and virology | 183 | 224 | 228 | 191 | 218 | 187 | 145 |
| Nutrition | 227 | 238 | 217 | 217 | 229 | 212 | 217 |
| Pathology | 61 | 54 | 46 | 62 | 50 | 50 | 51 |
| Pharmacology | 167 | 157 | 137 | 137 | 125 | 143 | 116 |
| Physiology | 95 | 96 | 81 | 120 | 86 | 82 | 63 |
| Zoology | 35 | 31 | 37 | 37 | 30 | 38 | 26 |
| Other | 212 | 318 | 371 | 409 | 427 | 435 | 527 |
| Computer sciences | 6,017 | 6,456 | 5,503 | 4,243 | 4,151 | 4,626 | 5,601 |
| Earth, atmospheric, and ocean sciences | 567 | 584 | 537 | 531 | 458 | 488 | 506 |
| Atmospheric | 75 | 65 | 56 | 48 | 42 | 56 | 37 |
| Earth | 244 | 292 | 258 | 283 | 234 | 235 | 280 |
| Ocean | 105 | 85 | 86 | 82 | 58 | 87 | 77 |
| Other | 143 | 142 | 137 | 118 | 124 | 110 | 112 |
| Mathematics and statistics | 1,570 | 1,656 | 1,607 | 1,658 | 1,620 | 1,635 | 1,820 |
| Mathematics/applied mathematics | 1,225 | 1,175 | 1,162 | 1,160 | 1,143 | 1,100 | 1,285 |
| Statistics | 345 | 481 | 445 | 498 | 477 | 535 | 535 |
| Physical sciences | 2,506 | 2,686 | 2,505 | 2,750 | 2,577 | 2,519 | 2,581 |
| Astronomy | 60 | 58 | 57 | 75 | 65 | 46 | 62 |
| Chemistry | 1,331 | 1,526 | 1,454 | 1,545 | 1,471 | 1,443 | 1,495 |
| Physics | 1,092 | 1,077 | 961 | 1,101 | 1,026 | 1,019 | 1,003 |
| Other | 23 | 25 | 33 | 29 | 15 | 11 | 21 |
| Psychology | 485 | 524 | 518 | 573 | 534 | 558 | 579 |
| Clinical | 78 | 97 | 92 | 88 | 84 | 91 | 94 |
| General | 192 | 197 | 190 | 215 | 202 | 196 | 204 |
| Nonclinical | 215 | 230 | 236 | 270 | 248 | 271 | 281 |

TABLE D-5. First-time enrollment of full-time S&E graduate students, by field, citizenship, and race/ethnicity: 2000–2006

| Field, citizenship, and race/ethnicity | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|
| Social sciences | 4,279 | 4,327 | 4,344 | 4,352 | 4,101 | 4,162 | 4,668 |
| Agricultural economics | 224 | 246 | 222 | 215 | 204 | 214 | 238 |
| Anthropology (cultural and social) | 161 | 134 | 149 | 137 | 119 | 112 | 144 |
| Economics | 1,532 | 1,537 | 1,637 | 1,548 | 1,416 | 1,473 | 1,578 |
| Geography | 158 | 169 | 137 | 174 | 129 | 139 | 139 |
| History and philosophy of science | 13 | 10 | 7 | 12 | 10 | 23 | 12 |
| Linguistics | 197 | 201 | 161 | 183 | 189 | 193 | 160 |
| Political science and public administration | 1,272 | 1,271 | 1,292 | 1,389 | 1,359 | 1,332 | 1,649 |
| Sociology | 259 | 280 | 250 | 221 | 180 | 198 | 165 |
| Other | 463 | 479 | 489 | 473 | 495 | 478 | 583 |
| Engineering | 13,588 | 14,638 | 13,858 | 12,166 | 10,837 | 11,468 | 14,129 |
| Aerospace | 401 | 419 | 316 | 309 | 297 | 296 | 327 |
| Agricultural | 77 | 86 | 83 | 79 | 81 | 96 | 118 |
| Biomedical | 322 | 330 | 415 | 448 | 433 | 446 | 521 |
| Chemical | 944 | 925 | 856 | 748 | 659 | 669 | 745 |
| Civil | 1,831 | 1,831 | 1,857 | 1,768 | 1,584 | 1,565 | 1,548 |
| Electrical | 5,294 | 5,897 | 5,542 | 4,707 | 4,175 | 4,557 | 6,363 |
| Engineering science/physics | 163 | 175 | 176 | 161 | 136 | 140 | 148 |
| Industrial/manufacturing | 1,409 | 1,626 | 1,457 | 1,197 | 969 | 984 | 1,215 |
| Mechanical | 2,038 | 2,210 | 2,028 | 1,633 | 1,445 | 1,557 | 1,845 |
| Metallurgical/materials | 592 | 565 | 542 | 479 | 472 | 510 | 498 |
| Mining | 20 | 13 | 14 | 35 | 27 | 23 | 25 |
| Nuclear | 85 | 88 | 50 | 63 | 54 | 50 | 46 |
| Petroleum | 93 | 101 | 151 | 141 | 105 | 135 | 154 |
| Other | 319 | 372 | 371 | 398 | 400 | 440 | 576 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2000–2006.

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2006

| Field | All institutions | | | HBCUs | | | Black students in HBCUs | | |
|---|------------------|--------|-------|------------|--------|-------|-------------------------|--------|------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| | Number | | | | | | Percent | | |
| S&E | 25,664 | 15,884 | 9,780 | 4,103 | 2,564 | 1,539 | 16.0 | 16.1 | 15.7 |
| Science | 22,092 | 14,755 | 7,337 | 3,669 | 2,429 | 1,240 | 16.6 | 16.5 | 16.9 |
| Agricultural sciences | 453 | 301 | 152 | 218 | 157 | 61 | 48.1 | 52.2 | 40.1 |
| Biological sciences | 3,071 | 2,123 | 948 | 493 | 338 | 155 | 16.1 | 15.9 | 16.4 |
| Anatomy | 40 | 26 | 14 | 7 | 5 | 2 | 17.5 | 19.2 | 14.3 |
| Biochemistry | 180 | 112 | 68 | 4 | 3 | 1 | 2.2 | 2.7 | 1.5 |
| Biology | 840 | 538 | 302 | 273 | 180 | 93 | 32.5 | 33.5 | 30.8 |
| Biometry and epidemiology | 276 | 203 | 73 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Biophysics | 29 | 13 | 16 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Botany | 24 | 16 | 8 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Cell and molecular biology | 208 | 147 | 61 | 16 | 12 | 4 | 7.7 | 8.2 | 6.6 |
| Ecology | 27 | 18 | 9 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Entomology and parasitology | 19 | 12 | 7 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Genetics | 66 | 50 | 16 | 22 | 16 | 6 | 33.3 | 32.0 | 37.5 |
| Microbiology, immunology, and virology | 259 | 177 | 82 | 37 | 27 | 10 | 14.3 | 15.3 | 12.2 |
| Nutrition | 263 | 218 | 45 | 68 | 55 | 13 | 25.9 | 25.2 | 28.9 |
| Pathology | 78 | 62 | 16 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Pharmacology | 164 | 105 | 59 | 7 | 3 | 4 | 4.3 | 2.9 | 6.8 |
| Physiology | 108 | 74 | 34 | 9 | 4 | 5 | 8.3 | 5.4 | 14.7 |
| Zoology | 12 | 10 | 2 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Other | 478 | 342 | 136 | 50 | 33 | 17 | 10.5 | 9.6 | 12.5 |
| Computer sciences | 1,774 | 722 | 1,052 | 181 | 74 | 107 | 10.2 | 10.2 | 10.2 |
| Earth, atmospheric, and ocean sciences | 263 | 145 | 118 | 64 | 35 | 29 | 24.3 | 24.1 | 24.6 |
| Atmospheric | 26 | 8 | 18 | 11 | 4 | 7 | 42.3 | 50.0 | 38.9 |
| Earth | 71 | 33 | 38 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Ocean | 41 | 30 | 11 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Other | 125 | 74 | 51 | 53 | 31 | 22 | 42.4 | 41.9 | 43.1 |
| Mathematics and statistics | 711 | 347 | 364 | 135 | 72 | 63 | 19.0 | 20.7 | 17.3 |
| Mathematics/applied mathematics | 607 | 295 | 312 | 135 | 72 | 63 | 22.2 | 24.4 | 20.2 |
| Statistics | 104 | 52 | 52 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Physical sciences | 1,009 | 506 | 503 | 249 | 116 | 133 | 24.7 | 22.9 | 26.4 |
| Astronomy | 11 | 5 | 6 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Chemistry | 732 | 426 | 306 | 154 | 87 | 67 | 21.0 | 20.4 | 21.9 |
| Physics | 229 | 58 | 171 | 95 | 29 | 66 | 41.5 | 50.0 | 38.6 |
| Other | 37 | 17 | 20 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Psychology | 5,089 | 4,164 | 925 | 745 | 613 | 132 | 14.6 | 14.7 | 14.3 |
| Clinical | 870 | 719 | 151 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| General | 1,536 | 1,223 | 313 | 364 | 291 | 73 | 23.7 | 23.8 | 23.3 |
| Nonclinical | 2,683 | 2,222 | 461 | 381 | 322 | 59 | 14.2 | 14.5 | 12.8 |
| Social sciences | 9,722 | 6,447 | 3,275 | 1,584 | 1,024 | 560 | 16.3 | 15.9 | 17.1 |
| Agricultural economics | 67 | 32 | 35 | 12 | 3 | 9 | 17.9 | 9.4 | 25.7 |
| Anthropology (cultural and social) | 278 | 225 | 53 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Economics | 355 | 152 | 203 | 13 | 5 | 8 | 3.7 | 3.3 | 3.9 |
| Geography | 154 | 74 | 80 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| History and philosophy of science | 31 | 15 | 16 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Linguistics | 46 | 34 | 12 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Political science and public administration | 5,063 | 3,334 | 1,729 | 835 | 539 | 296 | 16.5 | 16.2 | 17.1 |
| Sociology | 1,140 | 809 | 331 | 207 | 148 | 59 | 18.2 | 18.3 | 17.8 |
| Other | 2,588 | 1,772 | 816 | 517 | 329 | 188 | 20.0 | 18.6 | 23.0 |
| Engineering | 3,572 | 1,129 | 2,443 | 434 | 135 | 299 | 12.2 | 12.0 | 12.2 |
| Aerospace | 79 | 18 | 61 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Agricultural | 27 | 13 | 14 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Biomedical | 204 | 107 | 97 | 1 | 0 | 1 | 0.5 | 0.0 | 1.0 |
| Chemical | 149 | 56 | 93 | 7 | 2 | 5 | 4.7 | 3.6 | 5.4 |
| Civil | 508 | 181 | 327 | 70 | 26 | 44 | 13.8 | 14.4 | 13.5 |
| Electrical | 828 | 180 | 648 | 70 | 20 | 50 | 8.5 | 11.1 | 7.7 |
| Engineering sciences/physics | 44 | 11 | 33 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2006

| Field | All institutions | | | HBCUs | | | Black students in HBCUs | | |
|-----------------------------|------------------|--------|------|------------|--------|------|-------------------------|--------|------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| | Number | | | | | | Percent | | |
| Industrial/manufacturing | 763 | 296 | 467 | 54 | 18 | 36 | 7.1 | 6.1 | 7.7 |
| Mechanical | 419 | 75 | 344 | 58 | 5 | 53 | 13.8 | 6.7 | 15.4 |
| Metallurgical and materials | 129 | 61 | 68 | 15 | 10 | 5 | 11.6 | 16.4 | 7.4 |
| Mining | 3 | 0 | 3 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Nuclear | 18 | 8 | 10 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Petroleum | 24 | 3 | 21 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Other | 377 | 120 | 257 | 159 | 54 | 105 | 42.2 | 45.0 | 40.9 |

HBCUs = historically black colleges and universities

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE D-7. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HHEs, by field and sex: 2006

| Field | All institutions | | | HHEs | | | Hispanic students in HHEs | | |
|---|------------------|--------|--------|------------|--------|-------|---------------------------|--------|------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| | Number | | | | | | Percent | | |
| S&E | 24,140 | 12,839 | 11,301 | 8,616 | 4,937 | 3,679 | 35.7 | 38.5 | 32.6 |
| Science | 19,759 | 11,644 | 8,115 | 7,402 | 4,581 | 2,821 | 37.5 | 39.3 | 34.8 |
| Agricultural sciences | 535 | 277 | 258 | 286 | 147 | 139 | 53.5 | 53.1 | 53.9 |
| Biological sciences | 3,289 | 1,926 | 1,363 | 857 | 532 | 325 | 26.1 | 27.6 | 23.8 |
| Anatomy | 51 | 29 | 22 | 7 | 5 | 2 | 13.7 | 17.2 | 9.1 |
| Biochemistry | 254 | 132 | 122 | 58 | 28 | 30 | 22.8 | 21.2 | 24.6 |
| Biology | 932 | 531 | 401 | 476 | 281 | 195 | 51.1 | 52.9 | 48.6 |
| Biometry and epidemiology | 193 | 121 | 72 | 52 | 35 | 17 | 26.9 | 28.9 | 23.6 |
| Biophysics | 32 | 8 | 24 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Botany | 61 | 35 | 26 | 2 | 2 | 0 | 3.3 | 5.7 | 0.0 |
| Cell and molecular biology | 326 | 182 | 144 | 19 | 15 | 4 | 5.8 | 8.2 | 2.8 |
| Ecology | 80 | 53 | 27 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Entomology and parasitology | 42 | 23 | 19 | 5 | 2 | 3 | 11.9 | 8.7 | 15.8 |
| Genetics | 62 | 34 | 28 | 3 | 2 | 1 | 4.8 | 5.9 | 3.6 |
| Microbiology, immunology, and virology | 308 | 190 | 118 | 40 | 33 | 7 | 13.0 | 17.4 | 5.9 |
| Nutrition | 205 | 170 | 35 | 80 | 65 | 15 | 39.0 | 38.2 | 42.9 |
| Pathology | 59 | 29 | 30 | 7 | 3 | 4 | 11.9 | 10.3 | 13.3 |
| Pharmacology | 145 | 77 | 68 | 14 | 8 | 6 | 9.7 | 10.4 | 8.8 |
| Physiology | 115 | 64 | 51 | 18 | 12 | 6 | 15.7 | 18.8 | 11.8 |
| Zoology | 27 | 10 | 17 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Other | 397 | 238 | 159 | 76 | 41 | 35 | 19.1 | 17.2 | 22.0 |
| Computer sciences | 1,207 | 271 | 936 | 383 | 87 | 296 | 31.7 | 32.1 | 31.6 |
| Earth, atmospheric, and ocean sciences | 540 | 311 | 229 | 202 | 118 | 84 | 37.4 | 37.9 | 36.7 |
| Atmospheric | 30 | 14 | 16 | 1 | 1 | 0 | 3.3 | 7.1 | 0.0 |
| Earth | 217 | 119 | 98 | 72 | 38 | 34 | 33.2 | 31.9 | 34.7 |
| Ocean | 151 | 87 | 64 | 87 | 51 | 36 | 57.6 | 58.6 | 56.3 |
| Other | 142 | 91 | 51 | 42 | 28 | 14 | 29.6 | 30.8 | 27.5 |
| Mathematics and statistics | 695 | 246 | 449 | 242 | 97 | 145 | 34.8 | 39.4 | 32.3 |
| Mathematics/applied mathematics | 621 | 213 | 408 | 232 | 90 | 142 | 37.4 | 42.3 | 34.8 |
| Statistics | 74 | 33 | 41 | 10 | 7 | 3 | 13.5 | 21.2 | 7.3 |
| Physical sciences | 1,256 | 490 | 766 | 451 | 204 | 247 | 35.9 | 41.6 | 32.2 |
| Astronomy | 27 | 13 | 14 | 2 | 0 | 2 | 7.4 | 0.0 | 14.3 |
| Chemistry | 823 | 400 | 423 | 313 | 170 | 143 | 38.0 | 42.5 | 33.8 |
| Physics | 374 | 66 | 308 | 117 | 26 | 91 | 31.3 | 39.4 | 29.5 |
| Other | 32 | 11 | 21 | 19 | 8 | 11 | 59.4 | 72.7 | 52.4 |
| Psychology | 5,222 | 4,030 | 1,192 | 2,311 | 1,804 | 507 | 44.3 | 44.8 | 42.5 |
| Clinical | 1,731 | 1,373 | 358 | 996 | 798 | 198 | 57.5 | 58.1 | 55.3 |
| General | 1,293 | 948 | 345 | 319 | 235 | 84 | 24.7 | 24.8 | 24.3 |
| Nonclinical | 2,198 | 1,709 | 489 | 996 | 771 | 225 | 45.3 | 45.1 | 46.0 |
| Social sciences | 7,015 | 4,093 | 2,922 | 2,670 | 1,592 | 1,078 | 38.1 | 38.9 | 36.9 |
| Agricultural economics | 53 | 20 | 33 | 26 | 7 | 19 | 49.1 | 35.0 | 57.6 |
| Anthropology (cultural and social) | 491 | 317 | 174 | 83 | 55 | 28 | 16.9 | 17.4 | 16.1 |
| Economics | 353 | 94 | 259 | 115 | 44 | 71 | 32.6 | 46.8 | 27.4 |
| Geography | 154 | 68 | 86 | 29 | 10 | 19 | 18.8 | 14.7 | 22.1 |
| History and philosophy of science | 64 | 29 | 35 | 46 | 21 | 25 | 71.9 | 72.4 | 71.4 |
| Linguistics | 125 | 83 | 42 | 32 | 21 | 11 | 25.6 | 25.3 | 26.2 |
| Political science and public administration | 3,235 | 1,884 | 1,351 | 1,334 | 781 | 553 | 41.2 | 41.5 | 40.9 |
| Sociology | 721 | 441 | 280 | 253 | 171 | 82 | 35.1 | 38.8 | 29.3 |
| Other | 1,819 | 1,157 | 662 | 752 | 482 | 270 | 41.3 | 41.7 | 40.8 |
| Engineering | 4,381 | 1,195 | 3,186 | 1,214 | 356 | 858 | 27.7 | 29.8 | 26.9 |
| Aerospace | 136 | 24 | 112 | 8 | 2 | 6 | 5.9 | 8.3 | 5.4 |
| Agricultural | 16 | 12 | 4 | 0 | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Biomedical | 237 | 97 | 140 | 29 | 11 | 18 | 12.2 | 11.3 | 12.9 |
| Chemical | 277 | 123 | 154 | 64 | 28 | 36 | 23.1 | 22.8 | 23.4 |
| Civil | 967 | 331 | 636 | 407 | 134 | 273 | 42.1 | 40.5 | 42.9 |
| Electrical | 1,044 | 179 | 865 | 336 | 72 | 264 | 32.2 | 40.2 | 30.5 |
| Engineering sciences/physics | 46 | 3 | 43 | 1 | 0 | 1 | 2.2 | 0.0 | 2.3 |

TABLE D-7. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HHEs, by field and sex: 2006

| Field | All institutions | | | HHEs | | | Hispanic students in HHEs | | |
|-----------------------------|------------------|--------|------|------------|--------|------|---------------------------|--------|------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| | Number | | | | | | Percent | | |
| Industrial/manufacturing | 664 | 214 | 450 | 170 | 75 | 95 | 25.6 | 35.0 | 21.1 |
| Mechanical | 621 | 117 | 504 | 148 | 22 | 126 | 23.8 | 18.8 | 25.0 |
| Metallurgical and materials | 98 | 34 | 64 | 9 | 5 | 4 | 9.2 | 14.7 | 6.3 |
| Mining | 5 | 0 | 5 | 0 | 0 | 0 | 0.0 | - | 0.0 |
| Nuclear | 60 | 7 | 53 | 14 | 0 | 14 | 23.3 | 0.0 | 26.4 |
| Petroleum | 22 | 7 | 15 | 13 | 3 | 10 | 59.1 | 42.9 | 66.7 |
| Other | 188 | 47 | 141 | 15 | 4 | 11 | 8.0 | 8.5 | 7.8 |

- No value possible; denominator is zero.

HHEs = Schools with high Hispanic enrollment.

NOTE: High-Hispanic-enrollment schools are defined by the U.S. Department of Education as nonprofit public and private institutions of higher education whose full-time equivalent (FTE) enrollment of undergraduate students is at least 25% Hispanic, according to fall 2005 enrollment data that the institutions self-reported in the Integrated Postsecondary Education Data System (IPEDS) survey conducted by the National Center for Education Statistics (NCES).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE D-8. Disability status of S&E graduate students, by sex, age, race/ethnicity, enrollment, and citizenship status: 2004

(Percent distribution)

| Sex, age, race/ethnicity, and enrollment and citizenship status | All students | No disability | With disability |
|---|--------------|---------------|-----------------|
| All S&E graduate students | 100.0 | 93.3 | 6.7 |
| Sex | 100.0 | 100.0 | 100.0 |
| Female | 44.3 | 43.5 | 57.2 |
| Male | 55.7 | 56.6 | 42.8 |
| Age (years) | 100.0 | 100.0 | 100.0 |
| 15-23 | 15.1 | 15.6 | 7.5 |
| 24-29 | 44.8 | 45.0 | 41.4 |
| 39 and older | 40.1 | 39.4 | 51.1 |
| Race/ethnicity | 100.0 | 100.0 | 100.0 |
| White | 59.7 | 59.0 | 70.5 |
| Asian | 22.4 | 23.3 | 9.4 |
| Black | 7.1 | 7.2 | 5.5 |
| Hispanic | 6.3 | 6.2 | 8.5 |
| American Indian/Alaska Native | 0.6 | 0.6 | 0.0 |
| Native Hawaiian/Pacific Islander | 0.7 | 0.8 | 0.0 |
| Other or unknown | 1.4 | 1.5 | 0.6 |
| More than one race | 1.7 | 1.5 | 5.4 |
| Enrollment status | 100.0 | 100.0 | 100.0 |
| Mostly full time | 70.0 | 70.4 | 64.9 |
| Mostly part time | 25.9 | 25.4 | 32.3 |
| Mix of full and part time | 4.1 | 4.2 | 2.8 |
| Citizenship status | 100.0 | 100.0 | 100.0 |
| U.S. citizen | 73.0 | 72.0 | 88.1 |
| Resident alien | 5.8 | 5.8 | 5.8 |
| Foreign/international student | 21.2 | 22.2 | 6.1 |

NOTES: Enrollment status was determined by graduate student responses to the question, *Since you started working on your degree, have you been enrolled mainly as a full-time student or part-time student?* For disability status, those who reported any type of disability at all related to blindness, deafness, a severe vision or hearing impairment, substantial limitation of mobility, or any other physical, mental, or emotional condition that lasted 6 months or more are classified as "with disability." Racial/ethnic and citizenship categories are those used by the National Center for Education Statistics in reporting these data. The term *resident alien* is comparable to permanent resident and the term *foreign/international student* is comparable to temporary resident.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 2004.

TABLE D-9. Field distribution of graduate student enrollment, by disability status: 2004
(Percent distribution)

| Field | All students | No disability | With disability |
|-----------------------------------|--------------|---------------|-----------------|
| All fields | 100.0 | 100.0 | 100.0 |
| Business/management | 17.8 | 18.1 | 14.1 |
| Education | 26.2 | 25.7 | 32.8 |
| Health | 14.6 | 14.8 | 11.0 |
| Humanities | 8.1 | 8.1 | 7.0 |
| Law | 6.0 | 6.0 | 6.2 |
| S&E | 18.9 | 19.0 | 17.3 |
| Life/physical sciences | 3.9 | 3.8 | 3.9 |
| Math/Engineering/Computer science | 9.0 | 9.3 | 4.7 |
| Social/behavioral sciences | 6.1 | 5.9 | 8.6 |
| Others | 8.5 | 8.2 | 11.8 |

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 2004.

TABLE D-10. Enrollment status of S&E graduate students, by field and sex: 2006

| Field | All graduate students | | | Female | | | Male | | |
|---|-----------------------|-----------|-----------|---------|-----------|-----------|---------|-----------|-----------|
| | Total | Full time | Part time | Total | Full time | Part time | Total | Full time | Part time |
| S&E | 486,287 | 349,802 | 136,485 | 211,106 | 150,151 | 60,955 | 275,181 | 199,651 | 75,530 |
| Science | 363,246 | 261,984 | 101,262 | 183,162 | 129,469 | 53,693 | 180,084 | 132,515 | 47,569 |
| Agricultural sciences | 13,016 | 9,478 | 3,538 | 6,299 | 4,650 | 1,649 | 6,717 | 4,828 | 1,889 |
| Biological sciences | 69,941 | 58,918 | 11,023 | 39,369 | 32,715 | 6,654 | 30,572 | 26,203 | 4,369 |
| Anatomy | 961 | 899 | 62 | 487 | 450 | 37 | 474 | 449 | 25 |
| Biochemistry | 5,824 | 5,433 | 391 | 2,812 | 2,613 | 199 | 3,012 | 2,820 | 192 |
| Biology | 16,463 | 12,413 | 4,050 | 9,056 | 6,742 | 2,314 | 7,407 | 5,671 | 1,736 |
| Biometry and epidemiology | 4,789 | 3,495 | 1,294 | 2,985 | 2,203 | 782 | 1,804 | 1,292 | 512 |
| Biophysics | 1,203 | 1,145 | 58 | 405 | 387 | 18 | 798 | 758 | 40 |
| Botany | 1,850 | 1,655 | 195 | 962 | 870 | 92 | 888 | 785 | 103 |
| Cell and molecular biology | 6,553 | 6,188 | 365 | 3,530 | 3,323 | 207 | 3,023 | 2,865 | 158 |
| Ecology | 2,162 | 1,602 | 560 | 1,224 | 901 | 323 | 938 | 701 | 237 |
| Entomology and parasitology | 1,114 | 947 | 167 | 518 | 449 | 69 | 596 | 498 | 98 |
| Genetics | 2,154 | 2,060 | 94 | 1,317 | 1,258 | 59 | 837 | 802 | 35 |
| Microbiology, immunology, and virology | 5,324 | 5,015 | 309 | 3,050 | 2,873 | 177 | 2,274 | 2,142 | 132 |
| Nutrition | 5,042 | 3,441 | 1,601 | 3,941 | 2,658 | 1,283 | 1,101 | 783 | 318 |
| Pathology | 1,612 | 1,400 | 212 | 981 | 851 | 130 | 631 | 549 | 82 |
| Pharmacology | 2,985 | 2,818 | 167 | 1,664 | 1,554 | 110 | 1,321 | 1,264 | 57 |
| Physiology | 2,416 | 2,195 | 221 | 1,275 | 1,164 | 111 | 1,141 | 1,031 | 110 |
| Zoology | 1,145 | 994 | 151 | 586 | 515 | 71 | 559 | 479 | 80 |
| Other | 8,344 | 7,218 | 1,126 | 4,576 | 3,904 | 672 | 3,768 | 3,314 | 454 |
| Computer sciences | 47,653 | 28,760 | 18,893 | 12,062 | 6,807 | 5,255 | 35,591 | 21,953 | 13,638 |
| Earth, atmospheric, and ocean sciences | 14,920 | 11,431 | 3,489 | 7,004 | 5,394 | 1,610 | 7,916 | 6,037 | 1,879 |
| Atmospheric | 1,079 | 930 | 149 | 367 | 324 | 43 | 712 | 606 | 106 |
| Earth | 7,177 | 5,497 | 1,680 | 3,081 | 2,404 | 677 | 4,096 | 3,093 | 1,003 |
| Ocean | 2,770 | 2,231 | 539 | 1,497 | 1,187 | 310 | 1,273 | 1,044 | 229 |
| Other | 3,894 | 2,773 | 1,121 | 2,059 | 1,479 | 580 | 1,835 | 1,294 | 541 |
| Mathematics and statistics | 20,815 | 15,571 | 5,244 | 7,693 | 5,327 | 2,366 | 13,122 | 10,244 | 2,878 |
| Mathematics/applied mathematics | 16,649 | 12,348 | 4,301 | 5,772 | 3,849 | 1,923 | 10,877 | 8,499 | 2,378 |
| Statistics | 4,166 | 3,223 | 943 | 1,921 | 1,478 | 443 | 2,245 | 1,745 | 500 |
| Physical sciences | 36,901 | 32,841 | 4,060 | 12,005 | 10,513 | 1,492 | 24,896 | 22,328 | 2,568 |
| Astronomy | 1,211 | 1,158 | 53 | 407 | 393 | 14 | 804 | 765 | 39 |
| Chemistry | 21,351 | 18,942 | 2,409 | 8,644 | 7,553 | 1,091 | 12,707 | 11,389 | 1,318 |
| Physics | 13,722 | 12,439 | 1,283 | 2,710 | 2,422 | 288 | 11,012 | 10,017 | 995 |
| Other | 617 | 302 | 315 | 244 | 145 | 99 | 373 | 157 | 216 |
| Psychology | 57,653 | 38,994 | 18,659 | 43,703 | 29,171 | 14,532 | 13,950 | 9,823 | 4,127 |
| Clinical | 13,947 | 10,168 | 3,779 | 10,843 | 7,874 | 2,969 | 3,104 | 2,294 | 810 |
| General | 16,622 | 12,148 | 4,474 | 11,989 | 8,610 | 3,379 | 4,633 | 3,538 | 1,095 |
| Nonclinical | 27,084 | 16,678 | 10,406 | 20,871 | 12,687 | 8,184 | 6,213 | 3,991 | 2,222 |
| Social sciences | 102,347 | 65,991 | 36,356 | 55,027 | 34,892 | 20,135 | 47,320 | 31,099 | 16,221 |
| Agricultural economics | 2,158 | 1,836 | 322 | 909 | 782 | 127 | 1,249 | 1,054 | 195 |
| Anthropology (cultural and social) | 8,150 | 6,219 | 1,931 | 5,215 | 4,000 | 1,215 | 2,935 | 2,219 | 716 |
| Economics | 12,132 | 10,018 | 2,114 | 4,343 | 3,530 | 813 | 7,789 | 6,488 | 1,301 |
| Geography | 4,750 | 3,158 | 1,592 | 2,002 | 1,367 | 635 | 2,748 | 1,791 | 957 |
| History and philosophy of science | 968 | 602 | 366 | 428 | 267 | 161 | 540 | 335 | 205 |
| Linguistics | 3,074 | 2,488 | 586 | 1,986 | 1,575 | 411 | 1,088 | 913 | 175 |
| Political science and public administration | 41,784 | 23,109 | 18,675 | 22,239 | 11,969 | 10,270 | 19,545 | 11,140 | 8,405 |
| Sociology | 9,872 | 7,261 | 2,611 | 6,340 | 4,603 | 1,737 | 3,532 | 2,658 | 874 |
| Other | 19,459 | 11,300 | 8,159 | 11,565 | 6,799 | 4,766 | 7,894 | 4,501 | 3,393 |
| Engineering | 123,041 | 87,818 | 35,223 | 27,944 | 20,682 | 7,262 | 95,097 | 67,136 | 27,961 |
| Aerospace | 4,482 | 3,374 | 1,108 | 709 | 525 | 184 | 3,773 | 2,849 | 924 |
| Agricultural | 1,073 | 893 | 180 | 350 | 302 | 48 | 723 | 591 | 132 |
| Biomedical | 6,482 | 5,666 | 816 | 2,486 | 2,210 | 276 | 3,996 | 3,456 | 540 |
| Chemical | 7,261 | 6,218 | 1,043 | 2,159 | 1,852 | 307 | 5,102 | 4,366 | 736 |
| Civil | 17,802 | 13,074 | 4,728 | 5,423 | 4,169 | 1,254 | 12,379 | 8,905 | 3,474 |
| Electrical | 38,265 | 27,379 | 10,886 | 7,026 | 5,223 | 1,803 | 31,239 | 22,156 | 9,083 |
| Engineering sciences/physics | 2,046 | 1,656 | 390 | 451 | 383 | 68 | 1,595 | 1,273 | 322 |
| Industrial/manufacturing | 13,829 | 6,421 | 7,408 | 3,466 | 1,742 | 1,724 | 10,363 | 4,679 | 5,684 |

TABLE D-10. Enrollment status of S&E graduate students, by field and sex: 2006

| Field | All graduate students | | | Female | | | Male | | |
|-----------------------------|-----------------------|-----------|-----------|--------|-----------|-----------|--------|-----------|-----------|
| | Total | Full time | Part time | Total | Full time | Part time | Total | Full time | Part time |
| Mechanical | 17,919 | 12,666 | 5,253 | 2,485 | 1,790 | 695 | 15,434 | 10,876 | 4,558 |
| Metallurgical and materials | 5,268 | 4,627 | 641 | 1,390 | 1,212 | 178 | 3,878 | 3,415 | 463 |
| Mining | 244 | 181 | 63 | 43 | 33 | 10 | 201 | 148 | 53 |
| Nuclear | 1,099 | 910 | 189 | 214 | 177 | 37 | 885 | 733 | 152 |
| Petroleum | 813 | 647 | 166 | 135 | 106 | 29 | 678 | 541 | 137 |
| Other | 6,458 | 4,106 | 2,352 | 1,607 | 958 | 649 | 4,851 | 3,148 | 1,703 |

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE D-11. Enrollment status of S&E graduate students, by field, citizenship, and race/ethnicity: 2006

| Field and enrollment status | U.S. citizens and permanent residents | | | | | | | | | |
|--|---------------------------------------|-------------------------------|--------|----------|--------|-------------------|---|---------|-------------------|-----------------------|
| | S&E graduate students | Asian/ Pacific Islander | | | | | American Indian/ Alaska Native | | Other/ unknown | Temporary resident |
| | | White | Black | Hispanic | Native | Other/ unknown | | | | |
| S&E | 486,287 | 227,993 | 30,179 | 25,664 | 24,140 | 2,112 | 33,515 | 142,684 | | |
| Full time | 349,802 | 153,827 | 19,999 | 14,858 | 15,381 | 1,443 | 19,830 | 124,464 | | |
| Part time | 136,485 | 74,166 | 10,180 | 10,806 | 8,759 | 669 | 13,685 | 18,220 | | |
| Science | 363,246 | 184,700 | 21,000 | 22,092 | 19,759 | 1,822 | 26,532 | 87,341 | | |
| Full time | 261,984 | 127,836 | 14,590 | 12,718 | 12,855 | 1,257 | 15,748 | 76,980 | | |
| Part time | 101,262 | 56,864 | 6,410 | 9,374 | 6,904 | 565 | 10,784 | 10,361 | | |
| Agricultural sciences | 13,016 | 8,384 | 338 | 453 | 535 | 85 | 546 | 2,675 | | |
| Full time | 9,478 | 5,717 | 229 | 307 | 397 | 59 | 388 | 2,381 | | |
| Part time | 3,538 | 2,667 | 109 | 146 | 138 | 26 | 158 | 294 | | |
| Biological sciences | 69,941 | 37,163 | 5,709 | 3,071 | 3,289 | 310 | 3,492 | 16,907 | | |
| Full time | 58,918 | 30,331 | 4,849 | 2,418 | 2,725 | 266 | 2,668 | 15,661 | | |
| Part time | 11,023 | 6,832 | 860 | 653 | 564 | 44 | 824 | 1,246 | | |
| Anatomy | 961 | 523 | 85 | 40 | 51 | 2 | 45 | 215 | | |
| Full time | 899 | 479 | 85 | 36 | 49 | 1 | 39 | 210 | | |
| Part time | 62 | 44 | 0 | 4 | 2 | 1 | 6 | 5 | | |
| Biochemistry | 5,824 | 2,629 | 466 | 180 | 254 | 22 | 186 | 2,087 | | |
| Full time | 5,433 | 2,429 | 420 | 160 | 236 | 21 | 171 | 1,996 | | |
| Part time | 391 | 200 | 46 | 20 | 18 | 1 | 15 | 91 | | |
| Biology | 16,463 | 9,349 | 1,038 | 840 | 932 | 67 | 1,005 | 3,232 | | |
| Full time | 12,413 | 6,835 | 736 | 570 | 680 | 56 | 663 | 2,873 | | |
| Part time | 4,050 | 2,514 | 302 | 270 | 252 | 11 | 342 | 359 | | |
| Biometry and epidemiology | 4,789 | 2,208 | 587 | 276 | 193 | 18 | 271 | 1,236 | | |
| Full time | 3,495 | 1,491 | 422 | 200 | 146 | 13 | 196 | 1,027 | | |
| Part time | 1,294 | 717 | 165 | 76 | 47 | 5 | 75 | 209 | | |
| Biophysics | 1,203 | 592 | 113 | 29 | 32 | 7 | 45 | 385 | | |
| Full time | 1,145 | 551 | 111 | 24 | 31 | 7 | 44 | 377 | | |
| Part time | 58 | 41 | 2 | 5 | 1 | 0 | 1 | 8 | | |
| Botany | 1,850 | 904 | 84 | 24 | 61 | 12 | 63 | 702 | | |
| Full time | 1,655 | 770 | 77 | 22 | 56 | 10 | 59 | 661 | | |
| Part time | 195 | 134 | 7 | 2 | 5 | 2 | 4 | 41 | | |
| Cell and molecular biology | 6,553 | 3,129 | 702 | 208 | 326 | 32 | 332 | 1,824 | | |
| Full time | 6,188 | 2,943 | 667 | 194 | 308 | 31 | 283 | 1,762 | | |
| Part time | 365 | 186 | 35 | 14 | 18 | 1 | 49 | 62 | | |
| Ecology | 2,162 | 1,556 | 62 | 27 | 80 | 10 | 170 | 257 | | |
| Full time | 1,602 | 1,129 | 48 | 18 | 54 | 9 | 123 | 221 | | |
| Part time | 560 | 427 | 14 | 9 | 26 | 1 | 47 | 36 | | |
| Entomology and parasitology | 1,114 | 689 | 30 | 19 | 42 | 8 | 36 | 290 | | |
| Full time | 947 | 560 | 24 | 17 | 36 | 5 | 34 | 271 | | |
| Part time | 167 | 129 | 6 | 2 | 6 | 3 | 2 | 19 | | |
| Genetics | 2,154 | 1,146 | 173 | 66 | 62 | 11 | 98 | 598 | | |
| Full time | 2,060 | 1,078 | 165 | 63 | 61 | 11 | 95 | 587 | | |
| Part time | 94 | 68 | 8 | 3 | 1 | 0 | 3 | 11 | | |
| Microbiology, immunology, and virology | 5,324 | 2,890 | 507 | 259 | 308 | 21 | 240 | 1,099 | | |
| Full time | 5,015 | 2,687 | 484 | 237 | 299 | 20 | 221 | 1,067 | | |
| Part time | 309 | 203 | 23 | 22 | 9 | 1 | 19 | 32 | | |
| Nutrition | 5,042 | 2,809 | 297 | 263 | 205 | 13 | 263 | 1,192 | | |
| Full time | 3,441 | 1,796 | 198 | 149 | 121 | 8 | 163 | 1,006 | | |
| Part time | 1,601 | 1,013 | 99 | 114 | 84 | 5 | 100 | 186 | | |
| Pathology | 1,612 | 919 | 166 | 78 | 59 | 4 | 66 | 320 | | |
| Full time | 1,400 | 774 | 147 | 68 | 51 | 4 | 48 | 308 | | |
| Part time | 212 | 145 | 19 | 10 | 8 | 0 | 18 | 12 | | |
| Pharmacology | 2,985 | 1,469 | 330 | 164 | 145 | 22 | 113 | 742 | | |
| Full time | 2,818 | 1,388 | 310 | 152 | 132 | 20 | 97 | 719 | | |
| Part time | 167 | 81 | 20 | 12 | 13 | 2 | 16 | 23 | | |

TABLE D-11. Enrollment status of S&E graduate students, by field, citizenship, and race/ethnicity: 2006

| Field and enrollment status | S&E graduate students | U.S. citizens and permanent residents | | | | | | |
|--|-----------------------------|---------------------------------------|-------------------------------|-------|----------|-----------------------------|-------------------|-----------------------|
| | | White | Asian/ Pacific Islander | Black | Hispanic | American | | Temporary resident |
| | | | | | | Indian/ Alaska Native | Other/ unknown | |
| Physiology | 2,416 | 1,270 | 324 | 108 | 115 | 10 | 126 | 463 |
| Full time | 2,195 | 1,141 | 294 | 96 | 97 | 10 | 112 | 445 |
| Part time | 221 | 129 | 30 | 12 | 18 | 0 | 14 | 18 |
| Zoology | 1,145 | 829 | 29 | 12 | 27 | 12 | 39 | 197 |
| Full time | 994 | 722 | 27 | 10 | 17 | 9 | 37 | 172 |
| Part time | 151 | 107 | 2 | 2 | 10 | 3 | 2 | 25 |
| Other | 8,344 | 4,252 | 716 | 478 | 397 | 39 | 394 | 2,068 |
| Full time | 7,218 | 3,558 | 634 | 402 | 351 | 31 | 283 | 1,959 |
| Part time | 1,126 | 694 | 82 | 76 | 46 | 8 | 111 | 109 |
| Computer sciences | 47,653 | 15,943 | 4,222 | 1,774 | 1,207 | 105 | 3,424 | 20,978 |
| Full time | 28,760 | 7,390 | 1,828 | 738 | 529 | 48 | 1,426 | 16,801 |
| Part time | 18,893 | 8,553 | 2,394 | 1,036 | 678 | 57 | 1,998 | 4,177 |
| Earth, atmospheric, and ocean sciences | 14,920 | 10,116 | 389 | 263 | 540 | 69 | 776 | 2,767 |
| Full time | 11,431 | 7,356 | 311 | 186 | 425 | 52 | 594 | 2,507 |
| Part time | 3,489 | 2,760 | 78 | 77 | 115 | 17 | 182 | 260 |
| Atmospheric | 1,079 | 690 | 35 | 26 | 30 | 1 | 39 | 258 |
| Full time | 930 | 582 | 30 | 24 | 28 | 0 | 32 | 234 |
| Part time | 149 | 108 | 5 | 2 | 2 | 1 | 7 | 24 |
| Earth | 7,177 | 4,896 | 141 | 71 | 217 | 36 | 388 | 1,428 |
| Full time | 5,497 | 3,546 | 115 | 45 | 156 | 25 | 305 | 1,305 |
| Part time | 1,680 | 1,350 | 26 | 26 | 61 | 11 | 83 | 123 |
| Ocean | 2,770 | 1,898 | 57 | 41 | 151 | 11 | 109 | 503 |
| Full time | 2,231 | 1,431 | 49 | 38 | 140 | 10 | 85 | 478 |
| Part time | 539 | 467 | 8 | 3 | 11 | 1 | 24 | 25 |
| Other | 3,894 | 2,632 | 156 | 125 | 142 | 21 | 240 | 578 |
| Full time | 2,773 | 1,797 | 117 | 79 | 101 | 17 | 172 | 490 |
| Part time | 1,121 | 835 | 39 | 46 | 41 | 4 | 68 | 88 |
| Mathematics and statistics | 20,815 | 9,201 | 1,413 | 711 | 695 | 59 | 1,140 | 7,596 |
| Full time | 15,571 | 6,259 | 887 | 420 | 419 | 40 | 724 | 6,822 |
| Part time | 5,244 | 2,942 | 526 | 291 | 276 | 19 | 416 | 774 |
| Mathematics | 16,649 | 7,917 | 1,087 | 607 | 621 | 55 | 1,003 | 5,359 |
| Full time | 12,348 | 5,389 | 682 | 363 | 364 | 38 | 650 | 4,862 |
| Part time | 4,301 | 2,528 | 405 | 244 | 257 | 17 | 353 | 497 |
| Statistics | 4,166 | 1,284 | 326 | 104 | 74 | 4 | 137 | 2,237 |
| Full time | 3,223 | 870 | 205 | 57 | 55 | 2 | 74 | 1,960 |
| Part time | 943 | 414 | 121 | 47 | 19 | 2 | 63 | 277 |
| Physical sciences | 36,901 | 16,325 | 1,753 | 1,009 | 1,256 | 118 | 1,683 | 14,757 |
| Full time | 32,841 | 14,245 | 1,437 | 785 | 1,032 | 102 | 1,378 | 13,862 |
| Part time | 4,060 | 2,080 | 316 | 224 | 224 | 16 | 305 | 895 |
| Astronomy | 1,211 | 683 | 54 | 11 | 27 | 8 | 62 | 366 |
| Full time | 1,158 | 650 | 48 | 11 | 24 | 8 | 54 | 363 |
| Part time | 53 | 33 | 6 | 0 | 3 | 0 | 8 | 3 |
| Chemistry | 21,351 | 9,314 | 1,173 | 732 | 823 | 78 | 930 | 8,301 |
| Full time | 18,942 | 8,216 | 938 | 567 | 691 | 69 | 749 | 7,712 |
| Part time | 2,409 | 1,098 | 235 | 165 | 132 | 9 | 181 | 589 |
| Physics | 13,722 | 5,937 | 500 | 229 | 374 | 26 | 656 | 6,000 |
| Full time | 12,439 | 5,207 | 436 | 195 | 311 | 21 | 562 | 5,707 |
| Part time | 1,283 | 730 | 64 | 34 | 63 | 5 | 94 | 293 |
| Other | 617 | 391 | 26 | 37 | 32 | 6 | 35 | 90 |
| Full time | 302 | 172 | 15 | 12 | 6 | 4 | 13 | 80 |
| Part time | 315 | 219 | 11 | 25 | 26 | 2 | 22 | 10 |
| Psychology | 57,653 | 35,045 | 2,612 | 5,089 | 5,222 | 344 | 6,490 | 2,851 |
| Full time | 38,994 | 24,420 | 1,899 | 2,986 | 3,527 | 243 | 3,555 | 2,364 |
| Part time | 18,659 | 10,625 | 713 | 2,103 | 1,695 | 101 | 2,935 | 487 |

TABLE D-11. Enrollment status of S&E graduate students, by field, citizenship, and race/ethnicity: 2006

| Field and enrollment status | S&E graduate students | U.S. citizens and permanent residents | | | | | | |
|---|-----------------------------|---------------------------------------|-------|---|--------|-----|-------------------|-----------------------|
| | | Asian/ Pacific Islander | | American Indian/ Alaska Native | | | Other/ unknown | Temporary resident |
| | | White | Black | Hispanic | Native | | | |
| Clinical | 13,947 | 8,610 | 663 | 870 | 1,731 | 83 | 1,549 | 441 |
| Full time | 10,168 | 6,372 | 490 | 596 | 1,327 | 63 | 961 | 359 |
| Part time | 3,779 | 2,238 | 173 | 274 | 404 | 20 | 588 | 82 |
| General | 16,622 | 10,545 | 860 | 1,536 | 1,293 | 105 | 1,267 | 1,016 |
| Full time | 12,148 | 7,857 | 681 | 939 | 841 | 81 | 888 | 861 |
| Part time | 4,474 | 2,688 | 179 | 597 | 452 | 24 | 379 | 155 |
| Nonclinical | 27,084 | 15,890 | 1,089 | 2,683 | 2,198 | 156 | 3,674 | 1,394 |
| Full time | 16,678 | 10,191 | 728 | 1,451 | 1,359 | 99 | 1,706 | 1,144 |
| Part time | 10,406 | 5,699 | 361 | 1,232 | 839 | 57 | 1,968 | 250 |
| Social sciences | 102,347 | 52,523 | 4,564 | 9,722 | 7,015 | 732 | 8,981 | 18,810 |
| Full time | 65,991 | 32,118 | 3,150 | 4,878 | 3,801 | 447 | 5,015 | 16,582 |
| Part time | 36,356 | 20,405 | 1,414 | 4,844 | 3,214 | 285 | 3,966 | 2,228 |
| Agricultural economics | 2,158 | 911 | 52 | 67 | 53 | 15 | 78 | 982 |
| Full time | 1,836 | 724 | 47 | 56 | 45 | 6 | 65 | 893 |
| Part time | 322 | 187 | 5 | 11 | 8 | 9 | 13 | 89 |
| Anthropology (cultural and social) | 8,150 | 5,287 | 311 | 278 | 491 | 145 | 713 | 925 |
| Full time | 6,219 | 3,947 | 259 | 218 | 361 | 105 | 506 | 823 |
| Part time | 1,931 | 1,340 | 52 | 60 | 130 | 40 | 207 | 102 |
| Economics | 12,132 | 3,768 | 600 | 355 | 353 | 18 | 540 | 6,498 |
| Full time | 10,018 | 2,756 | 434 | 229 | 233 | 14 | 386 | 5,966 |
| Part time | 2,114 | 1,012 | 166 | 126 | 120 | 4 | 154 | 532 |
| Geography | 4,750 | 3,220 | 166 | 154 | 154 | 34 | 259 | 763 |
| Full time | 3,158 | 2,037 | 102 | 86 | 108 | 20 | 162 | 643 |
| Part time | 1,592 | 1,183 | 64 | 68 | 46 | 14 | 97 | 120 |
| History and philosophy of science | 968 | 673 | 35 | 31 | 64 | 8 | 70 | 87 |
| Full time | 602 | 393 | 27 | 16 | 28 | 3 | 49 | 86 |
| Part time | 366 | 280 | 8 | 15 | 36 | 5 | 21 | 1 |
| Linguistics | 3,074 | 1,503 | 177 | 46 | 125 | 21 | 252 | 950 |
| Full time | 2,488 | 1,165 | 122 | 30 | 81 | 20 | 202 | 868 |
| Part time | 586 | 338 | 55 | 16 | 44 | 1 | 50 | 82 |
| Political science/public administration | 41,784 | 21,242 | 1,970 | 5,063 | 3,235 | 241 | 4,726 | 5,307 |
| Full time | 23,109 | 11,367 | 1,219 | 2,223 | 1,480 | 118 | 2,210 | 4,492 |
| Part time | 18,675 | 9,875 | 751 | 2,840 | 1,755 | 123 | 2,516 | 815 |
| Sociology | 9,872 | 5,597 | 433 | 1,140 | 721 | 65 | 537 | 1,379 |
| Full time | 7,261 | 4,102 | 342 | 689 | 485 | 41 | 401 | 1,201 |
| Part time | 2,611 | 1,495 | 91 | 451 | 236 | 24 | 136 | 178 |
| Other | 19,459 | 10,322 | 820 | 2,588 | 1,819 | 185 | 1,806 | 1,919 |
| Full time | 11,300 | 5,627 | 598 | 1,331 | 980 | 120 | 1,034 | 1,610 |
| Part time | 8,159 | 4,695 | 222 | 1,257 | 839 | 65 | 772 | 309 |
| Engineering | 123,041 | 43,293 | 9,179 | 3,572 | 4,381 | 290 | 6,983 | 55,343 |
| Full time | 87,818 | 25,991 | 5,409 | 2,140 | 2,526 | 186 | 4,082 | 47,484 |
| Part time | 35,223 | 17,302 | 3,770 | 1,432 | 1,855 | 104 | 2,901 | 7,859 |
| Aerospace | 4,482 | 1,969 | 312 | 79 | 136 | 10 | 492 | 1,484 |
| Full time | 3,374 | 1,322 | 204 | 49 | 86 | 9 | 377 | 1,327 |
| Part time | 1,108 | 647 | 108 | 30 | 50 | 1 | 115 | 157 |
| Agricultural | 1,073 | 425 | 34 | 27 | 16 | 5 | 17 | 549 |
| Full time | 893 | 307 | 30 | 20 | 13 | 3 | 15 | 505 |
| Part time | 180 | 118 | 4 | 7 | 3 | 2 | 2 | 44 |
| Biomedical | 6,482 | 2,626 | 877 | 204 | 237 | 18 | 336 | 2,184 |
| Full time | 5,666 | 2,270 | 764 | 184 | 199 | 17 | 284 | 1,948 |
| Part time | 816 | 356 | 113 | 20 | 38 | 1 | 52 | 236 |

TABLE D-11. Enrollment status of S&E graduate students, by field, citizenship, and race/ethnicity: 2006

| Field and enrollment status | U.S. citizens and permanent residents | | | | | | | | |
|------------------------------|---------------------------------------|----------|----------------------------|-------|----------|---------------|-----------------------|----------------|--------------------|
| | S&E graduate students | American | | | | | | Other/ unknown | Temporary resident |
| | | White | Asian/ Pacific Islander | Black | Hispanic | Alaska Native | Indian/ Alaska Native | | |
| Chemical | 7,261 | 2,556 | 496 | 149 | 277 | 20 | 187 | 3,576 | |
| Full time | 6,218 | 2,064 | 407 | 120 | 223 | 16 | 147 | 3,241 | |
| Part time | 1,043 | 492 | 89 | 29 | 54 | 4 | 40 | 335 | |
| Civil | 17,802 | 7,971 | 957 | 508 | 967 | 62 | 956 | 6,381 | |
| Full time | 13,074 | 5,337 | 580 | 308 | 618 | 43 | 634 | 5,554 | |
| Part time | 4,728 | 2,634 | 377 | 200 | 349 | 19 | 322 | 827 | |
| Electrical | 38,265 | 8,875 | 3,414 | 828 | 1,044 | 46 | 1,959 | 22,099 | |
| Full time | 27,379 | 4,785 | 1,831 | 497 | 539 | 28 | 1,016 | 18,683 | |
| Part time | 10,886 | 4,090 | 1,583 | 331 | 505 | 18 | 943 | 3,416 | |
| Engineering sciences/physics | 2,046 | 830 | 159 | 44 | 46 | 9 | 82 | 876 | |
| Full time | 1,656 | 600 | 124 | 34 | 30 | 7 | 66 | 795 | |
| Part time | 390 | 230 | 35 | 10 | 16 | 2 | 16 | 81 | |
| Industrial/manufacturing | 13,829 | 5,586 | 1,010 | 763 | 664 | 55 | 1,171 | 4,580 | |
| Full time | 6,421 | 1,511 | 334 | 276 | 211 | 22 | 442 | 3,625 | |
| Part time | 7,408 | 4,075 | 676 | 487 | 453 | 33 | 729 | 955 | |
| Mechanical | 17,919 | 7,337 | 940 | 419 | 621 | 32 | 856 | 7,714 | |
| Full time | 12,666 | 4,332 | 579 | 283 | 371 | 23 | 438 | 6,640 | |
| Part time | 5,253 | 3,005 | 361 | 136 | 250 | 9 | 418 | 1,074 | |
| Metallurgical and materials | 5,268 | 1,926 | 337 | 129 | 98 | 8 | 192 | 2,578 | |
| Full time | 4,627 | 1,592 | 290 | 114 | 83 | 6 | 152 | 2,390 | |
| Part time | 641 | 334 | 47 | 15 | 15 | 2 | 40 | 188 | |
| Mining | 244 | 108 | 1 | 3 | 5 | 1 | 11 | 115 | |
| Full time | 181 | 64 | 0 | 2 | 3 | 1 | 8 | 103 | |
| Part time | 63 | 44 | 1 | 1 | 2 | 0 | 3 | 12 | |
| Nuclear | 1,099 | 603 | 45 | 18 | 60 | 2 | 52 | 319 | |
| Full time | 910 | 478 | 31 | 15 | 36 | 2 | 48 | 300 | |
| Part time | 189 | 125 | 14 | 3 | 24 | 0 | 4 | 19 | |
| Petroleum | 813 | 117 | 15 | 24 | 22 | 0 | 17 | 618 | |
| Full time | 647 | 57 | 10 | 14 | 10 | 0 | 13 | 543 | |
| Part time | 166 | 60 | 5 | 10 | 12 | 0 | 4 | 75 | |
| Other | 6,458 | 2,364 | 582 | 377 | 188 | 22 | 655 | 2,270 | |
| Full time | 4,106 | 1,272 | 225 | 224 | 104 | 9 | 442 | 1,830 | |
| Part time | 2,352 | 1,092 | 357 | 153 | 84 | 13 | 213 | 440 | |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | Self-support | | |
|--|-------------|-----------------|-------|-------|--------|--------|-------|-------|--------|-------|--------|-----------------------|---------------|---------|--------------|---------|--|
| | | Total | DOD | DOE | HHS | | | NASA | NSF | USDA | Other | Institutional support | United States | | | | |
| | | | | | Total | NIH | Other | | | | | | Total | Foreign | | | |
| Both sexes | | | | | | | | | | | | | | | | | |
| S&E | 349,802 | 74,327 | 8,502 | 4,453 | 24,381 | 23,330 | 1,051 | 2,350 | 20,056 | 2,902 | 11,683 | 145,596 | 24,858 | 22,386 | 2,472 | 105,021 | |
| Science | 261,984 | 53,029 | 3,160 | 2,510 | 21,900 | 20,984 | 916 | 1,301 | 13,132 | 2,570 | 8,456 | 114,849 | 15,099 | 13,475 | 1,624 | 79,007 | |
| Agricultural sciences | 9,478 | 2,282 | 25 | 42 | 78 | 67 | 11 | 42 | 216 | 1,169 | 710 | 4,079 | 1,297 | 1,218 | 79 | 1,820 | |
| Biological sciences | 58,918 | 22,204 | 370 | 214 | 16,626 | 16,117 | 509 | 81 | 2,228 | 907 | 1,778 | 23,846 | 4,229 | 3,940 | 289 | 8,639 | |
| Anatomy | 899 | 300 | 5 | 0 | 245 | 243 | 2 | 1 | 14 | 6 | 29 | 375 | 49 | 33 | 16 | 175 | |
| Biochemistry | 5,433 | 2,733 | 44 | 36 | 2,259 | 2,170 | 89 | 5 | 193 | 33 | 163 | 1,838 | 428 | 410 | 18 | 434 | |
| Biology | 12,413 | 2,806 | 67 | 31 | 1,467 | 1,448 | 19 | 17 | 795 | 60 | 369 | 6,801 | 761 | 709 | 52 | 2,045 | |
| Biometry/epidemiology | 3,495 | 1,262 | 12 | 5 | 1,132 | 1,072 | 60 | 0 | 23 | 4 | 86 | 897 | 234 | 216 | 18 | 1,102 | |
| Biophysics | 1,145 | 592 | 6 | 22 | 473 | 465 | 8 | 3 | 60 | 1 | 27 | 352 | 125 | 118 | 7 | 76 | |
| Botany | 1,655 | 536 | 4 | 23 | 35 | 34 | 1 | 5 | 202 | 189 | 78 | 835 | 164 | 153 | 11 | 120 | |
| Cell/molecular biology | 6,188 | 3,172 | 53 | 15 | 2,735 | 2,604 | 131 | 14 | 147 | 20 | 188 | 2,095 | 475 | 454 | 21 | 446 | |
| Ecology | 1,602 | 367 | 1 | 3 | 39 | 35 | 4 | 6 | 169 | 30 | 119 | 951 | 89 | 85 | 4 | 195 | |
| Entomology/parasitology | 947 | 270 | 7 | 1 | 20 | 15 | 5 | 0 | 46 | 151 | 45 | 494 | 122 | 118 | 4 | 61 | |
| Genetics | 2,060 | 1,048 | 15 | 5 | 898 | 871 | 27 | 1 | 62 | 33 | 34 | 592 | 158 | 150 | 8 | 262 | |
| Microbiology, immunology, and virology | 5,015 | 2,624 | 52 | 30 | 2,292 | 2,241 | 51 | 11 | 103 | 37 | 99 | 1,676 | 370 | 351 | 19 | 345 | |
| Nutrition | 3,441 | 628 | 7 | 0 | 224 | 202 | 22 | 6 | 14 | 284 | 93 | 1,296 | 308 | 286 | 22 | 1,209 | |
| Pathology | 1,400 | 528 | 22 | 0 | 441 | 423 | 18 | 1 | 13 | 11 | 40 | 450 | 135 | 85 | 50 | 287 | |
| Pharmacology | 2,818 | 1,527 | 27 | 4 | 1,373 | 1,364 | 9 | 2 | 33 | 4 | 84 | 914 | 214 | 204 | 10 | 163 | |
| Physiology | 2,195 | 843 | 7 | 0 | 665 | 655 | 10 | 3 | 22 | 1 | 145 | 700 | 109 | 104 | 5 | 543 | |
| Zoology | 994 | 262 | 8 | 2 | 43 | 41 | 2 | 3 | 99 | 8 | 99 | 595 | 71 | 71 | 0 | 66 | |
| Other | 7,218 | 2,706 | 33 | 37 | 2,285 | 2,234 | 51 | 3 | 233 | 35 | 80 | 2,985 | 417 | 393 | 24 | 1,110 | |
| Computer sciences | 28,760 | 5,025 | 1,197 | 164 | 311 | 268 | 43 | 86 | 2,714 | 33 | 520 | 9,032 | 1,651 | 1,442 | 209 | 13,052 | |
| Earth, atmospheric, and ocean sciences | 11,431 | 3,316 | 132 | 117 | 64 | 55 | 9 | 417 | 1,544 | 71 | 971 | 4,934 | 1,062 | 983 | 79 | 2,119 | |
| Atmospheric | 930 | 491 | 28 | 19 | 4 | 4 | 0 | 106 | 188 | 10 | 136 | 286 | 61 | 52 | 9 | 92 | |
| Earth | 5,497 | 1,511 | 38 | 75 | 9 | 8 | 1 | 206 | 850 | 27 | 306 | 2,824 | 436 | 390 | 46 | 726 | |
| Ocean | 2,231 | 836 | 49 | 10 | 14 | 12 | 2 | 44 | 355 | 12 | 352 | 775 | 303 | 293 | 10 | 317 | |
| Other | 2,773 | 478 | 17 | 13 | 37 | 31 | 6 | 61 | 151 | 22 | 177 | 1,049 | 262 | 248 | 14 | 984 | |
| Mathematics and statistics | 15,571 | 1,760 | 175 | 64 | 178 | 152 | 26 | 18 | 1,011 | 19 | 295 | 10,163 | 461 | 391 | 70 | 3,187 | |
| Mathematics/applied mathematics | 12,348 | 1,347 | 160 | 58 | 60 | 41 | 19 | 16 | 816 | 6 | 231 | 8,362 | 309 | 254 | 55 | 2,330 | |
| Statistics | 3,223 | 413 | 15 | 6 | 118 | 111 | 7 | 2 | 195 | 13 | 64 | 1,801 | 152 | 137 | 15 | 857 | |
| Physical sciences | 32,841 | 11,246 | 906 | 1,835 | 2,530 | 2,408 | 122 | 573 | 4,106 | 25 | 1,271 | 17,477 | 2,195 | 2,084 | 111 | 1,923 | |
| Astronomy | 1,158 | 526 | 3 | 20 | 21 | 21 | 0 | 199 | 232 | 0 | 51 | 500 | 99 | 91 | 8 | 33 | |
| Chemistry | 18,942 | 5,932 | 416 | 538 | 2,292 | 2,182 | 110 | 75 | 1,917 | 23 | 671 | 10,667 | 1,334 | 1,293 | 41 | 1,009 | |
| Physics | 12,439 | 4,756 | 486 | 1,276 | 213 | 201 | 12 | 297 | 1,941 | 2 | 541 | 6,204 | 759 | 698 | 61 | 720 | |
| Other | 302 | 32 | 1 | 1 | 4 | 4 | 0 | 2 | 16 | 0 | 8 | 106 | 3 | 2 | 1 | 161 | |
| Psychology | 38,994 | 3,559 | 152 | 32 | 1,737 | 1,600 | 137 | 13 | 417 | 11 | 1,197 | 14,167 | 1,562 | 1,510 | 52 | 19,706 | |
| Clinical | 10,168 | 759 | 28 | 10 | 357 | 326 | 31 | 0 | 7 | 0 | 357 | 2,716 | 529 | 515 | 14 | 6,164 | |
| General | 12,148 | 1,448 | 50 | 18 | 858 | 776 | 82 | 8 | 255 | 4 | 255 | 5,859 | 464 | 443 | 21 | 4,377 | |
| Nonclinical | 16,678 | 1,352 | 74 | 4 | 522 | 498 | 24 | 5 | 155 | 7 | 585 | 5,592 | 569 | 552 | 17 | 9,165 | |
| Social sciences | 65,991 | 3,637 | 203 | 42 | 376 | 317 | 59 | 71 | 896 | 335 | 1,714 | 31,151 | 2,642 | 1,907 | 735 | 28,561 | |
| Agricultural economics | 1,836 | 416 | 3 | 6 | 9 | 8 | 1 | 1 | 16 | 239 | 142 | 877 | 151 | 119 | 32 | 392 | |

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | | |
|---|-------------|-----------------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-----------------------|---------------|---------|--------------|--------|
| | | Total | DOD | DOE | HHS | | | NASA | NSF | USDA | Other | Institutional support | United States | | Self-support | |
| | | | | | Total | NIH | Other | | | | | | Total | Foreign | | |
| Anthropology (cultural and social) | 6,219 | 411 | 4 | 2 | 28 | 23 | 5 | 0 | 191 | 0 | 186 | 3,569 | 197 | 174 | 23 | 2,042 |
| Economics | 10,018 | 375 | 16 | 4 | 28 | 27 | 1 | 0 | 143 | 30 | 154 | 6,042 | 449 | 228 | 221 | 3,152 |
| Geography | 3,158 | 418 | 17 | 9 | 15 | 13 | 2 | 61 | 144 | 21 | 151 | 1,721 | 134 | 122 | 12 | 885 |
| History and philosophy of science | 602 | 21 | 0 | 0 | 1 | 1 | 0 | 0 | 13 | 0 | 7 | 406 | 13 | 11 | 2 | 162 |
| Linguistics | 2,488 | 156 | 3 | 0 | 22 | 22 | 0 | 1 | 74 | 0 | 56 | 1,405 | 64 | 54 | 10 | 863 |
| Political science and public administration | 23,109 | 816 | 112 | 12 | 24 | 6 | 18 | 7 | 120 | 3 | 538 | 9,027 | 855 | 552 | 303 | 12,411 |
| Sociology | 7,261 | 505 | 5 | 0 | 210 | 187 | 23 | 0 | 130 | 37 | 123 | 4,549 | 255 | 242 | 13 | 1,952 |
| Other | 11,300 | 519 | 43 | 9 | 39 | 30 | 9 | 1 | 65 | 5 | 357 | 3,555 | 524 | 405 | 119 | 6,702 |
| Engineering | 87,818 | 21,298 | 5,342 | 1,943 | 2,481 | 2,346 | 135 | 1,049 | 6,924 | 332 | 3,227 | 30,747 | 9,759 | 8,911 | 848 | 26,014 |
| Aerospace | 3,374 | 1,157 | 540 | 42 | 17 | 15 | 2 | 318 | 139 | 1 | 100 | 977 | 395 | 347 | 48 | 845 |
| Agricultural | 893 | 268 | 15 | 9 | 7 | 4 | 3 | 16 | 21 | 149 | 51 | 400 | 106 | 97 | 9 | 119 |
| Biomedical | 5,666 | 1,807 | 99 | 25 | 1,245 | 1,234 | 11 | 10 | 280 | 5 | 143 | 1,840 | 637 | 622 | 15 | 1,382 |
| Chemical | 6,218 | 2,105 | 179 | 371 | 328 | 298 | 30 | 67 | 816 | 61 | 283 | 2,341 | 995 | 933 | 62 | 777 |
| Civil | 13,074 | 1,871 | 143 | 64 | 56 | 30 | 26 | 57 | 659 | 40 | 852 | 5,385 | 1,174 | 1,080 | 94 | 4,644 |
| Electrical | 27,379 | 5,985 | 1,937 | 245 | 421 | 394 | 27 | 217 | 2,488 | 21 | 656 | 8,622 | 2,646 | 2,446 | 200 | 10,126 |
| Engineering science/physics | 1,656 | 581 | 126 | 100 | 58 | 56 | 2 | 24 | 230 | 1 | 42 | 630 | 175 | 158 | 17 | 270 |
| Industrial/manufacturing | 6,421 | 896 | 321 | 46 | 65 | 54 | 11 | 21 | 281 | 9 | 153 | 2,324 | 550 | 473 | 77 | 2,651 |
| Mechanical | 12,666 | 3,240 | 781 | 393 | 187 | 171 | 16 | 217 | 1,096 | 11 | 555 | 4,893 | 1,529 | 1,370 | 159 | 3,004 |
| Metallurgical/materials | 4,627 | 1,628 | 369 | 318 | 58 | 57 | 1 | 52 | 661 | 6 | 164 | 1,589 | 815 | 755 | 60 | 595 |
| Mining | 181 | 29 | 1 | 14 | 1 | 1 | 0 | 0 | 2 | 1 | 10 | 90 | 12 | 11 | 1 | 50 |
| Nuclear | 910 | 338 | 48 | 208 | 8 | 8 | 0 | 9 | 5 | 0 | 60 | 337 | 102 | 89 | 13 | 133 |
| Petroleum | 647 | 64 | 1 | 51 | 0 | 0 | 0 | 0 | 5 | 1 | 6 | 208 | 248 | 192 | 56 | 127 |
| Other | 4,106 | 1,329 | 782 | 57 | 30 | 24 | 6 | 41 | 241 | 26 | 152 | 1,111 | 375 | 338 | 37 | 1,291 |
| Female | | | | | | | | | | | | | | | | |
| S&E | 150,151 | 28,688 | 1,636 | 1,031 | 12,501 | 11,974 | 527 | 700 | 6,510 | 1,357 | 4,953 | 62,772 | 8,787 | 8,089 | 698 | 49,904 |
| Science | 129,469 | 23,923 | 805 | 663 | 11,727 | 11,232 | 495 | 496 | 4,788 | 1,251 | 4,193 | 55,217 | 6,674 | 6,136 | 538 | 43,655 |
| Agricultural sciences | 4,650 | 1,073 | 6 | 22 | 38 | 32 | 6 | 12 | 104 | 539 | 352 | 2,073 | 554 | 527 | 27 | 950 |
| Biological sciences | 32,715 | 12,081 | 207 | 109 | 9,049 | 8,762 | 287 | 43 | 1,203 | 507 | 963 | 13,282 | 2,093 | 1,962 | 131 | 5,259 |
| Anatomy | 450 | 150 | 4 | 0 | 120 | 119 | 1 | 0 | 6 | 4 | 16 | 204 | 22 | 16 | 6 | 74 |
| Biochemistry | 2,613 | 1,341 | 21 | 16 | 1,107 | 1,060 | 47 | 3 | 96 | 16 | 82 | 868 | 189 | 185 | 4 | 215 |
| Biology | 6,742 | 1,506 | 34 | 16 | 790 | 781 | 9 | 8 | 427 | 38 | 193 | 3,754 | 370 | 347 | 23 | 1,112 |
| Biometry/epidemiology | 2,203 | 785 | 10 | 1 | 708 | 663 | 45 | 0 | 9 | 3 | 54 | 574 | 129 | 120 | 9 | 715 |
| Biophysics | 387 | 208 | 0 | 7 | 168 | 163 | 5 | 0 | 24 | 0 | 9 | 124 | 34 | 32 | 2 | 21 |
| Botany | 870 | 283 | 2 | 14 | 19 | 18 | 1 | 4 | 100 | 95 | 49 | 444 | 72 | 69 | 3 | 71 |
| Cell/molecular biology | 3,323 | 1,707 | 31 | 6 | 1,479 | 1,404 | 75 | 9 | 85 | 7 | 90 | 1,129 | 247 | 236 | 11 | 240 |
| Ecology | 901 | 220 | 1 | 3 | 25 | 23 | 2 | 5 | 108 | 16 | 62 | 521 | 38 | 37 | 1 | 122 |
| Entomology/parasitology | 449 | 124 | 5 | 0 | 9 | 6 | 3 | 0 | 23 | 66 | 21 | 251 | 46 | 46 | 0 | 28 |
| Genetics | 1,258 | 629 | 11 | 5 | 543 | 531 | 12 | 1 | 36 | 19 | 14 | 345 | 83 | 79 | 4 | 201 |
| Microbiology, immunology, and virology | 2,873 | 1,489 | 32 | 15 | 1,284 | 1,258 | 26 | 6 | 64 | 24 | 64 | 980 | 191 | 178 | 13 | 213 |
| Nutrition | 2,658 | 456 | 5 | 0 | 179 | 165 | 14 | 4 | 11 | 191 | 66 | 991 | 214 | 200 | 14 | 997 |
| Pathology | 851 | 303 | 11 | 0 | 247 | 239 | 8 | 1 | 9 | 6 | 29 | 264 | 65 | 41 | 24 | 219 |
| Pharmacology | 1,554 | 851 | 13 | 3 | 759 | 753 | 6 | 0 | 17 | 0 | 59 | 509 | 104 | 100 | 4 | 90 |

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | | |
|---|-------------|-----------------|-----|-----|-------|-------|-------|------|-------|------|-------|-----------------------|---------------|---------|--------------|--------|
| | | Total | DOD | DOE | HHS | | | NASA | NSF | USDA | Other | Institutional support | United States | | Self-support | |
| | | | | | Total | NIH | Other | | | | | | Total | Foreign | | |
| Physiology | 1,164 | 449 | 6 | 0 | 366 | 363 | 3 | 0 | 14 | 0 | 63 | 367 | 57 | 55 | 2 | 291 |
| Zoology | 515 | 140 | 3 | 0 | 23 | 22 | 1 | 1 | 56 | 2 | 55 | 309 | 28 | 28 | 0 | 38 |
| Other | 3,904 | 1,440 | 18 | 23 | 1,223 | 1,194 | 29 | 1 | 118 | 20 | 37 | 1,648 | 204 | 193 | 11 | 612 |
| Computer sciences | 6,807 | 932 | 165 | 29 | 71 | 60 | 11 | 20 | 539 | 11 | 97 | 2,103 | 351 | 311 | 40 | 3,421 |
| Earth, atmospheric, and ocean sciences | 5,394 | 1,537 | 49 | 43 | 40 | 33 | 7 | 200 | 720 | 23 | 462 | 2,298 | 483 | 454 | 29 | 1,076 |
| Atmospheric | 324 | 150 | 6 | 4 | 0 | 0 | 0 | 38 | 59 | 3 | 40 | 122 | 25 | 24 | 1 | 27 |
| Earth | 2,404 | 703 | 14 | 22 | 6 | 5 | 1 | 114 | 398 | 7 | 142 | 1,212 | 181 | 164 | 17 | 308 |
| Ocean | 1,187 | 438 | 22 | 8 | 10 | 8 | 2 | 23 | 188 | 2 | 185 | 432 | 142 | 139 | 3 | 175 |
| Other | 1,479 | 246 | 7 | 9 | 24 | 20 | 4 | 25 | 75 | 11 | 95 | 532 | 135 | 127 | 8 | 566 |
| Mathematics and statistics | 5,327 | 560 | 47 | 19 | 72 | 65 | 7 | 5 | 291 | 14 | 112 | 3,406 | 165 | 146 | 19 | 1,196 |
| Mathematics/applied mathematics | 3,849 | 378 | 37 | 18 | 12 | 11 | 1 | 5 | 219 | 3 | 84 | 2,579 | 84 | 72 | 12 | 808 |
| Statistics | 1,478 | 182 | 10 | 1 | 60 | 54 | 6 | 0 | 72 | 11 | 28 | 827 | 81 | 74 | 7 | 388 |
| Physical sciences | 10,513 | 3,427 | 198 | 403 | 1,015 | 965 | 50 | 182 | 1,219 | 7 | 403 | 5,819 | 628 | 595 | 33 | 639 |
| Astronomy | 393 | 183 | 1 | 2 | 4 | 4 | 0 | 70 | 92 | 0 | 14 | 164 | 36 | 31 | 5 | 10 |
| Chemistry | 7,553 | 2,314 | 126 | 196 | 957 | 911 | 46 | 27 | 729 | 7 | 272 | 4,372 | 461 | 444 | 17 | 406 |
| Physics | 2,422 | 914 | 71 | 205 | 53 | 49 | 4 | 85 | 389 | 0 | 111 | 1,236 | 129 | 118 | 11 | 143 |
| Other | 145 | 16 | 0 | 0 | 1 | 1 | 0 | 0 | 9 | 0 | 6 | 47 | 2 | 2 | 0 | 80 |
| Psychology | 29,171 | 2,482 | 78 | 23 | 1,195 | 1,106 | 89 | 10 | 259 | 9 | 908 | 10,207 | 1,168 | 1,134 | 34 | 15,314 |
| Clinical | 7,874 | 569 | 16 | 7 | 277 | 255 | 22 | 0 | 6 | 0 | 263 | 2,078 | 432 | 419 | 13 | 4,795 |
| General | 8,610 | 978 | 20 | 14 | 584 | 532 | 52 | 6 | 165 | 4 | 185 | 4,033 | 322 | 312 | 10 | 3,277 |
| Nonclinical | 12,687 | 935 | 42 | 2 | 334 | 319 | 15 | 4 | 88 | 5 | 460 | 4,096 | 414 | 403 | 11 | 7,242 |
| Social sciences | 34,892 | 1,831 | 55 | 15 | 247 | 209 | 38 | 24 | 453 | 141 | 896 | 16,029 | 1,232 | 1,007 | 225 | 15,800 |
| Agricultural economics | 782 | 163 | 1 | 1 | 4 | 3 | 1 | 1 | 9 | 94 | 53 | 414 | 67 | 53 | 14 | 138 |
| Anthropology (cultural and social) | 4,000 | 261 | 3 | 1 | 20 | 15 | 5 | 0 | 115 | 0 | 122 | 2,286 | 126 | 114 | 12 | 1,327 |
| Economics | 3,530 | 123 | 4 | 2 | 8 | 7 | 1 | 0 | 49 | 12 | 48 | 2,111 | 129 | 76 | 53 | 1,167 |
| Geography | 1,367 | 171 | 7 | 3 | 7 | 6 | 1 | 18 | 58 | 7 | 71 | 759 | 61 | 57 | 4 | 376 |
| History and philosophy of science | 267 | 11 | 0 | 0 | 1 | 1 | 0 | 0 | 8 | 0 | 2 | 187 | 8 | 7 | 1 | 61 |
| Linguistics | 1,575 | 92 | 0 | 0 | 11 | 11 | 0 | 1 | 42 | 0 | 38 | 870 | 34 | 29 | 5 | 579 |
| Political science and public administration | 11,969 | 402 | 30 | 5 | 13 | 4 | 9 | 4 | 63 | 2 | 285 | 4,447 | 381 | 289 | 92 | 6,739 |
| Sociology | 4,603 | 328 | 3 | 0 | 157 | 142 | 15 | 0 | 79 | 24 | 65 | 2,855 | 174 | 169 | 5 | 1,246 |
| Other | 6,799 | 280 | 7 | 3 | 26 | 20 | 6 | 0 | 30 | 2 | 212 | 2,100 | 252 | 213 | 39 | 4,167 |
| Engineering | 20,682 | 4,765 | 831 | 368 | 774 | 742 | 32 | 204 | 1,722 | 106 | 760 | 7,555 | 2,113 | 1,953 | 160 | 6,249 |
| Aerospace | 525 | 164 | 61 | 5 | 5 | 5 | 0 | 43 | 35 | 0 | 15 | 170 | 59 | 52 | 7 | 132 |
| Agricultural | 302 | 112 | 8 | 5 | 5 | 2 | 3 | 6 | 11 | 58 | 19 | 120 | 34 | 31 | 3 | 36 |
| Biomedical | 2,210 | 663 | 32 | 7 | 455 | 451 | 4 | 4 | 111 | 3 | 51 | 754 | 232 | 226 | 6 | 561 |
| Chemical | 1,852 | 627 | 40 | 87 | 108 | 97 | 11 | 19 | 271 | 18 | 84 | 699 | 290 | 266 | 24 | 236 |
| Civil | 4,169 | 617 | 37 | 21 | 16 | 11 | 5 | 25 | 251 | 10 | 257 | 1,711 | 315 | 297 | 18 | 1,526 |
| Electrical | 5,223 | 1,038 | 300 | 51 | 88 | 86 | 2 | 41 | 443 | 4 | 111 | 1,697 | 441 | 416 | 25 | 2,047 |
| Engineering science/physics | 383 | 139 | 25 | 24 | 19 | 19 | 0 | 5 | 54 | 1 | 11 | 150 | 31 | 27 | 4 | 63 |
| Industrial/manufacturing | 1,742 | 231 | 77 | 7 | 11 | 9 | 2 | 4 | 95 | 0 | 37 | 678 | 152 | 138 | 14 | 681 |
| Mechanical | 1,790 | 452 | 88 | 41 | 35 | 33 | 2 | 29 | 190 | 2 | 67 | 725 | 208 | 181 | 27 | 405 |
| Metallurgical/materials | 1,212 | 426 | 78 | 72 | 16 | 16 | 0 | 18 | 193 | 2 | 47 | 435 | 203 | 181 | 22 | 148 |

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | | |
|--|-------------|-----------------|-------|-------|--------|--------|-------|-------|--------|-------|-------|-----------------------|---------------|---------|--------------|--------|
| | | Total | DOD | DOE | HHS | | | NASA | NSF | USDA | Other | Institutional support | United States | | Self-support | |
| | | | | | Total | NIH | Other | | | | | | Total | Foreign | | |
| Mining | 33 | 6 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 18 | 1 | 1 | 0 | 8 |
| Nuclear | 177 | 55 | 8 | 33 | 5 | 5 | 0 | 1 | 2 | 0 | 6 | 71 | 26 | 26 | 0 | 25 |
| Petroleum | 106 | 11 | 1 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 37 | 37 | 37 | 0 | 21 |
| Other | 958 | 224 | 76 | 8 | 11 | 8 | 3 | 9 | 63 | 7 | 50 | 290 | 84 | 74 | 10 | 360 |
| Male | | | | | | | | | | | | | | | | |
| S&E | 199,651 | 45,639 | 6,866 | 3,422 | 11,880 | 11,356 | 524 | 1,650 | 13,546 | 1,545 | 6,730 | 82,824 | 16,071 | 14,297 | 1,774 | 55,117 |
| Science | 132,515 | 29,106 | 2,355 | 1,847 | 10,173 | 9,752 | 421 | 805 | 8,344 | 1,319 | 4,263 | 59,632 | 8,425 | 7,339 | 1,086 | 35,352 |
| Agricultural sciences | 4,828 | 1,209 | 19 | 20 | 40 | 35 | 5 | 30 | 112 | 630 | 358 | 2,006 | 743 | 691 | 52 | 870 |
| Biological sciences | 26,203 | 10,123 | 163 | 105 | 7,577 | 7,355 | 222 | 38 | 1,025 | 400 | 815 | 10,564 | 2,136 | 1,978 | 158 | 3,380 |
| Anatomy | 449 | 150 | 1 | 0 | 125 | 124 | 1 | 1 | 8 | 2 | 13 | 171 | 27 | 17 | 10 | 101 |
| Biochemistry | 2,820 | 1,392 | 23 | 20 | 1,152 | 1,110 | 42 | 2 | 97 | 17 | 81 | 970 | 239 | 225 | 14 | 219 |
| Biology | 5,671 | 1,300 | 33 | 15 | 677 | 667 | 10 | 9 | 368 | 22 | 176 | 3,047 | 391 | 362 | 29 | 933 |
| Biometry/epidemiology | 1,292 | 477 | 2 | 4 | 424 | 409 | 15 | 0 | 14 | 1 | 32 | 323 | 105 | 96 | 9 | 387 |
| Biophysics | 758 | 384 | 6 | 15 | 305 | 302 | 3 | 3 | 36 | 1 | 18 | 228 | 91 | 86 | 5 | 55 |
| Botany | 785 | 253 | 2 | 9 | 16 | 16 | 0 | 1 | 102 | 94 | 29 | 391 | 92 | 84 | 8 | 49 |
| Cell/molecular biology | 2,865 | 1,465 | 22 | 9 | 1,256 | 1,200 | 56 | 5 | 62 | 13 | 98 | 966 | 228 | 218 | 10 | 206 |
| Ecology | 701 | 147 | 0 | 0 | 14 | 12 | 2 | 1 | 61 | 14 | 57 | 430 | 51 | 48 | 3 | 73 |
| Entomology/parasitology | 498 | 146 | 2 | 1 | 11 | 9 | 2 | 0 | 23 | 85 | 24 | 243 | 76 | 72 | 4 | 33 |
| Genetics | 802 | 419 | 4 | 0 | 355 | 340 | 15 | 0 | 26 | 14 | 20 | 247 | 75 | 71 | 4 | 61 |
| Microbiology, immunology, and virology | 2,142 | 1,135 | 20 | 15 | 1,008 | 983 | 25 | 5 | 39 | 13 | 35 | 696 | 179 | 173 | 6 | 132 |
| Nutrition | 783 | 172 | 2 | 0 | 45 | 37 | 8 | 2 | 3 | 93 | 27 | 305 | 94 | 86 | 8 | 212 |
| Pathology | 549 | 225 | 11 | 0 | 194 | 184 | 10 | 0 | 4 | 5 | 11 | 186 | 70 | 44 | 26 | 68 |
| Pharmacology | 1,264 | 676 | 14 | 1 | 614 | 611 | 3 | 2 | 16 | 4 | 25 | 405 | 110 | 104 | 6 | 73 |
| Physiology | 1,031 | 394 | 1 | 0 | 299 | 292 | 7 | 3 | 8 | 1 | 82 | 333 | 52 | 49 | 3 | 252 |
| Zoology | 479 | 122 | 5 | 2 | 20 | 19 | 1 | 2 | 43 | 6 | 44 | 286 | 43 | 43 | 0 | 28 |
| Other | 3,314 | 1,266 | 15 | 14 | 1,062 | 1,040 | 22 | 2 | 115 | 15 | 43 | 1,337 | 213 | 200 | 13 | 498 |
| Computer sciences | 21,953 | 4,093 | 1,032 | 135 | 240 | 208 | 32 | 66 | 2,175 | 22 | 423 | 6,929 | 1,300 | 1,131 | 169 | 9,631 |
| Earth, atmospheric, and ocean sciences | 6,037 | 1,779 | 83 | 74 | 24 | 22 | 2 | 217 | 824 | 48 | 509 | 2,636 | 579 | 529 | 50 | 1,043 |
| Atmospheric | 606 | 341 | 22 | 15 | 4 | 4 | 0 | 68 | 129 | 7 | 96 | 164 | 36 | 28 | 8 | 65 |
| Earth | 3,093 | 808 | 24 | 53 | 3 | 3 | 0 | 92 | 452 | 20 | 164 | 1,612 | 255 | 226 | 29 | 418 |
| Ocean | 1,044 | 398 | 27 | 2 | 4 | 4 | 0 | 21 | 167 | 10 | 167 | 343 | 161 | 154 | 7 | 142 |
| Other | 1,294 | 232 | 10 | 4 | 13 | 11 | 2 | 36 | 76 | 11 | 82 | 517 | 127 | 121 | 6 | 418 |
| Mathematics and statistics | 10,244 | 1,200 | 128 | 45 | 106 | 87 | 19 | 13 | 720 | 5 | 183 | 6,757 | 296 | 245 | 51 | 1,991 |
| Mathematics/applied mathematics | 8,499 | 969 | 123 | 40 | 48 | 30 | 18 | 11 | 597 | 3 | 147 | 5,783 | 225 | 182 | 43 | 1,522 |
| Statistics | 1,745 | 231 | 5 | 5 | 58 | 57 | 1 | 2 | 123 | 2 | 36 | 974 | 71 | 63 | 8 | 469 |
| Physical sciences | 22,328 | 7,819 | 708 | 1,432 | 1,515 | 1,443 | 72 | 391 | 2,887 | 18 | 868 | 11,658 | 1,567 | 1,489 | 78 | 1,284 |
| Astronomy | 765 | 343 | 2 | 18 | 17 | 17 | 0 | 129 | 140 | 0 | 37 | 336 | 63 | 60 | 3 | 23 |
| Chemistry | 11,389 | 3,618 | 290 | 342 | 1,335 | 1,271 | 64 | 48 | 1,188 | 16 | 399 | 6,295 | 873 | 849 | 24 | 603 |
| Physics | 10,017 | 3,842 | 415 | 1,071 | 160 | 152 | 8 | 212 | 1,552 | 2 | 430 | 4,968 | 630 | 580 | 50 | 577 |
| Other | 157 | 16 | 1 | 1 | 3 | 3 | 0 | 2 | 7 | 0 | 2 | 59 | 1 | 0 | 1 | 81 |
| Psychology | 9,823 | 1,077 | 74 | 9 | 542 | 494 | 48 | 3 | 158 | 2 | 289 | 3,960 | 394 | 376 | 18 | 4,392 |
| Clinical | 2,294 | 190 | 12 | 3 | 80 | 71 | 9 | 0 | 1 | 0 | 94 | 638 | 97 | 96 | 1 | 1,369 |

TABLE D-12. Primary source of support for full-time S&E graduate students, by sex and field: 2006

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | Self-support | |
|---|-------------|-----------------|-------|-------|-------|-------|-------|------|-------|------|-------|-----------------------|---------------|--------|--------------|---------|
| | | Total | DOD | DOE | HHS | | | NASA | NSF | USDA | Other | Institutional support | United States | | | Foreign |
| | | | | | Total | NIH | Other | | | | | | Total | States | | |
| General | 3,538 | 470 | 30 | 4 | 274 | 244 | 30 | 2 | 90 | 0 | 70 | 1,826 | 142 | 131 | 11 | 1,100 |
| Nonclinical | 3,991 | 417 | 32 | 2 | 188 | 179 | 9 | 1 | 67 | 2 | 125 | 1,496 | 155 | 149 | 6 | 1,923 |
| Social sciences | 31,099 | 1,806 | 148 | 27 | 129 | 108 | 21 | 47 | 443 | 194 | 818 | 15,122 | 1,410 | 900 | 510 | 12,761 |
| Agricultural economics | 1,054 | 253 | 2 | 5 | 5 | 5 | 0 | 0 | 7 | 145 | 89 | 463 | 84 | 66 | 18 | 254 |
| Anthropology (cultural and social) | 2,219 | 150 | 1 | 1 | 8 | 8 | 0 | 0 | 76 | 0 | 64 | 1,283 | 71 | 60 | 11 | 715 |
| Economics | 6,488 | 252 | 12 | 2 | 20 | 20 | 0 | 0 | 94 | 18 | 106 | 3,931 | 320 | 152 | 168 | 1,985 |
| Geography | 1,791 | 247 | 10 | 6 | 8 | 7 | 1 | 43 | 86 | 14 | 80 | 962 | 73 | 65 | 8 | 509 |
| History and philosophy of science | 335 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 219 | 5 | 4 | 1 | 101 |
| Linguistics | 913 | 64 | 3 | 0 | 11 | 11 | 0 | 0 | 32 | 0 | 18 | 535 | 30 | 25 | 5 | 284 |
| Political science and public administration | 11,140 | 414 | 82 | 7 | 11 | 2 | 9 | 3 | 57 | 1 | 253 | 4,580 | 474 | 263 | 211 | 5,672 |
| Sociology | 2,658 | 177 | 2 | 0 | 53 | 45 | 8 | 0 | 51 | 13 | 58 | 1,694 | 81 | 73 | 8 | 706 |
| Other | 4,501 | 239 | 36 | 6 | 13 | 10 | 3 | 1 | 35 | 3 | 145 | 1,455 | 272 | 192 | 80 | 2,535 |
| Engineering | 67,136 | 16,533 | 4,511 | 1,575 | 1,707 | 1,604 | 103 | 845 | 5,202 | 226 | 2,467 | 23,192 | 7,646 | 6,958 | 688 | 19,765 |
| Aerospace | 2,849 | 993 | 479 | 37 | 12 | 10 | 2 | 275 | 104 | 1 | 85 | 807 | 336 | 295 | 41 | 713 |
| Agricultural | 591 | 156 | 7 | 4 | 2 | 2 | 0 | 10 | 10 | 91 | 32 | 280 | 72 | 66 | 6 | 83 |
| Biomedical | 3,456 | 1,144 | 67 | 18 | 790 | 783 | 7 | 6 | 169 | 2 | 92 | 1,086 | 405 | 396 | 9 | 821 |
| Chemical | 4,366 | 1,478 | 139 | 284 | 220 | 201 | 19 | 48 | 545 | 43 | 199 | 1,642 | 705 | 667 | 38 | 541 |
| Civil | 8,905 | 1,254 | 106 | 43 | 40 | 19 | 21 | 32 | 408 | 30 | 595 | 3,674 | 859 | 783 | 76 | 3,118 |
| Electrical | 22,156 | 4,947 | 1,637 | 194 | 333 | 308 | 25 | 176 | 2,045 | 17 | 545 | 6,925 | 2,205 | 2,030 | 175 | 8,079 |
| Engineering science/physics | 1,273 | 442 | 101 | 76 | 39 | 37 | 2 | 19 | 176 | 0 | 31 | 480 | 144 | 131 | 13 | 207 |
| Industrial/manufacturing | 4,679 | 665 | 244 | 39 | 54 | 45 | 9 | 17 | 186 | 9 | 116 | 1,646 | 398 | 335 | 63 | 1,970 |
| Mechanical | 10,876 | 2,788 | 693 | 352 | 152 | 138 | 14 | 188 | 906 | 9 | 488 | 4,168 | 1,321 | 1,189 | 132 | 2,599 |
| Metallurgical/materials | 3,415 | 1,202 | 291 | 246 | 42 | 41 | 1 | 34 | 468 | 4 | 117 | 1,154 | 612 | 574 | 38 | 447 |
| Mining | 148 | 23 | 1 | 13 | 1 | 1 | 0 | 0 | 0 | 1 | 7 | 72 | 11 | 10 | 1 | 42 |
| Nuclear | 733 | 283 | 40 | 175 | 3 | 3 | 0 | 8 | 3 | 0 | 54 | 266 | 76 | 63 | 13 | 108 |
| Petroleum | 541 | 53 | 0 | 45 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 171 | 211 | 155 | 56 | 106 |
| Other | 3,148 | 1,105 | 706 | 49 | 19 | 16 | 3 | 32 | 178 | 19 | 102 | 821 | 291 | 264 | 27 | 931 |

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = U.S. Department of Agriculture

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE E-1. Master's degrees, by field: 1997–2006

| Field | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 420,954 | 431,871 | 456,260 | 466,645 | 481,132 | 511,603 | 555,537 | 567,875 | 586,029 |
| S&E | 93,485 | 93,918 | 95,683 | 98,986 | 99,173 | 107,910 | 118,470 | 120,025 | 120,337 |
| Sciences | 67,611 | 67,780 | 69,947 | 72,463 | 72,907 | 78,206 | 84,598 | 85,926 | 87,566 |
| Agricultural sciences | 3,927 | 3,862 | 3,858 | 3,752 | 4,019 | 3,955 | 4,221 | 4,171 | 4,089 |
| Biological sciences | 6,594 | 6,368 | 6,325 | 6,487 | 6,334 | 6,877 | 7,647 | 8,099 | 8,673 |
| Computer sciences | 10,489 | 11,752 | 14,529 | 16,341 | 16,582 | 19,248 | 19,853 | 17,820 | 16,594 |
| Earth, atmospheric, and ocean sciences | 1,435 | 1,426 | 1,345 | 1,363 | 1,406 | 1,491 | 1,570 | 1,685 | 1,727 |
| Atmospheric sciences | 177 | 199 | 156 | 140 | 141 | 167 | 179 | 255 | 239 |
| Earth sciences | 1,145 | 1,105 | 1,104 | 1,121 | 1,151 | 1,203 | 1,248 | 1,314 | 1,350 |
| Ocean sciences | 113 | 122 | 85 | 102 | 114 | 121 | 143 | 116 | 138 |
| Mathematics and statistics | 3,599 | 3,525 | 3,295 | 3,280 | 3,408 | 3,706 | 4,297 | 4,598 | 4,896 |
| Physical sciences | 4,141 | 3,969 | 3,512 | 3,737 | 3,624 | 3,702 | 4,030 | 4,116 | 4,311 |
| Astronomy | 93 | 101 | 102 | 93 | 112 | 123 | 150 | 159 | 146 |
| Chemistry | 2,268 | 2,173 | 1,908 | 2,009 | 1,866 | 1,830 | 2,056 | 1,912 | 2,097 |
| Physics | 1,497 | 1,401 | 1,244 | 1,376 | 1,353 | 1,453 | 1,637 | 1,846 | 1,887 |
| Other | 283 | 294 | 258 | 259 | 293 | 296 | 187 | 199 | 181 |
| Psychology | 13,633 | 13,146 | 13,708 | 14,335 | 14,041 | 14,469 | 15,298 | 16,076 | 16,775 |
| Social sciences | 23,793 | 23,732 | 23,375 | 23,168 | 23,493 | 24,758 | 27,682 | 29,361 | 30,501 |
| Anthropology | 1,111 | 1,098 | 950 | 1,092 | 1,017 | 1,043 | 1,098 | 1,107 | 1,156 |
| Area and ethnic studies | 1,587 | 1,550 | 1,529 | 1,515 | 1,497 | 1,514 | 1,617 | 1,681 | 2,025 |
| Economics | 2,804 | 2,843 | 2,515 | 2,492 | 2,651 | 2,951 | 3,201 | 3,504 | 3,337 |
| History of science | 18 | 22 | 24 | 26 | 35 | 25 | 25 | 29 | 41 |
| Linguistics | 642 | 568 | 553 | 552 | 520 | 525 | 574 | 611 | 621 |
| Political science and public administration | 13,368 | 13,151 | 13,035 | 12,929 | 13,183 | 14,115 | 15,766 | 17,354 | 17,939 |
| Sociology | 1,752 | 1,774 | 2,036 | 1,901 | 1,957 | 1,929 | 2,031 | 1,518 | 1,577 |
| Other | 2,511 | 2,726 | 2,733 | 2,661 | 2,633 | 2,656 | 3,370 | 3,557 | 3,805 |
| Engineering | 25,874 | 26,138 | 25,736 | 26,523 | 26,266 | 29,704 | 33,872 | 34,099 | 32,771 |
| Aerospace engineering | 625 | 584 | 560 | 611 | 682 | 735 | 870 | 946 | 1,082 |
| Chemical engineering | 1,345 | 1,372 | 1,352 | 1,368 | 1,267 | 1,365 | 1,506 | 1,506 | 1,432 |
| Civil engineering | 4,880 | 4,736 | 4,140 | 4,013 | 3,947 | 4,190 | 4,445 | 4,631 | 4,503 |
| Electrical engineering | 7,341 | 7,971 | 8,339 | 8,630 | 8,279 | 10,075 | 12,173 | 11,637 | 10,583 |
| Industrial engineering | 2,935 | 3,109 | 3,048 | 3,401 | 3,388 | 3,849 | 4,244 | 3,937 | 3,581 |
| Materials engineering | 724 | 698 | 759 | 709 | 630 | 720 | 800 | 790 | 768 |
| Mechanical engineering | 3,756 | 3,551 | 3,378 | 3,472 | 3,519 | 3,839 | 4,555 | 4,761 | 4,571 |
| Other | 4,268 | 4,117 | 4,160 | 4,319 | 4,554 | 4,931 | 5,279 | 5,891 | 6,251 |
| Non-S&E | 327,469 | 337,953 | 360,577 | 367,659 | 381,959 | 403,693 | 437,067 | 447,850 | 465,692 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE E-2. Master's degrees awarded to women, by field: 1997–2006

| Field | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 1997 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------------|------|
| | Number | | | | | | | | | Percent female | |
| All fields | 239,497 | 246,810 | 265,026 | 273,639 | 283,035 | 300,845 | 328,202 | 337,818 | 351,877 | 56.9 | 60.0 |
| S&E | 38,262 | 38,583 | 41,470 | 43,393 | 43,472 | 46,711 | 51,672 | 53,051 | 54,075 | 40.9 | 44.9 |
| Sciences | 33,567 | 33,420 | 36,130 | 37,765 | 37,898 | 40,527 | 44,537 | 45,444 | 46,563 | 49.6 | 53.2 |
| Agricultural sciences | 1,695 | 1,709 | 1,819 | 1,837 | 1,997 | 2,059 | 2,256 | 2,220 | 2,148 | 43.2 | 52.5 |
| Biological sciences | 3,518 | 3,354 | 3,510 | 3,755 | 3,669 | 4,018 | 4,487 | 4,870 | 5,075 | 53.4 | 58.5 |
| Computer sciences | 2,979 | 3,414 | 4,868 | 5,508 | 5,499 | 6,091 | 6,195 | 5,078 | 4,437 | 28.4 | 26.7 |
| Earth, atmospheric, and ocean sciences | 487 | 494 | 513 | 564 | 572 | 612 | 701 | 712 | 768 | 33.9 | 44.5 |
| Atmospheric sciences | 42 | 52 | 37 | 40 | 46 | 55 | 67 | 70 | 76 | 23.7 | 31.8 |
| Earth sciences | 393 | 397 | 434 | 472 | 473 | 501 | 566 | 577 | 612 | 34.3 | 45.3 |
| Ocean sciences | 52 | 45 | 42 | 52 | 53 | 56 | 68 | 65 | 80 | 46.0 | 58.0 |
| Mathematics and statistics | 1,489 | 1,470 | 1,498 | 1,389 | 1,471 | 1,677 | 1,950 | 2,011 | 2,085 | 41.4 | 42.6 |
| Physical sciences | 1,333 | 1,440 | 1,215 | 1,301 | 1,326 | 1,324 | 1,513 | 1,529 | 1,627 | 32.2 | 37.7 |
| Astronomy | 32 | 30 | 25 | 36 | 27 | 42 | 53 | 62 | 66 | 34.4 | 45.2 |
| Chemistry | 927 | 998 | 823 | 825 | 852 | 829 | 950 | 939 | 1,024 | 40.9 | 48.8 |
| Physics | 255 | 255 | 244 | 286 | 286 | 313 | 413 | 427 | 441 | 17.0 | 23.4 |
| Other | 119 | 157 | 123 | 154 | 161 | 140 | 97 | 101 | 96 | 42.0 | 53.0 |
| Psychology | 9,918 | 9,540 | 10,293 | 10,858 | 10,672 | 11,100 | 11,950 | 12,632 | 13,237 | 72.7 | 78.9 |
| Social sciences | 12,148 | 11,999 | 12,414 | 12,553 | 12,692 | 13,646 | 15,485 | 16,392 | 17,186 | 51.1 | 56.3 |
| Anthropology | 712 | 686 | 587 | 689 | 642 | 655 | 721 | 737 | 761 | 64.1 | 65.8 |
| Area and ethnic studies | 845 | 842 | 879 | 896 | 879 | 888 | 961 | 988 | 1,230 | 53.2 | 60.7 |
| Economics | 953 | 944 | 952 | 973 | 1,050 | 1,161 | 1,252 | 1,391 | 1,321 | 34.0 | 39.6 |
| History of science | 7 | 7 | 6 | 10 | 17 | 10 | 14 | 12 | 11 | 38.9 | 26.8 |
| Linguistics | 418 | 389 | 407 | 380 | 360 | 380 | 410 | 433 | 450 | 65.1 | 72.5 |
| Political science and public administration | 6,691 | 6,566 | 6,720 | 6,841 | 6,978 | 7,723 | 8,828 | 9,756 | 10,119 | 50.1 | 56.4 |
| Sociology | 1,142 | 1,118 | 1,387 | 1,258 | 1,315 | 1,296 | 1,358 | 1,033 | 1,110 | 65.2 | 70.4 |
| Other | 1,380 | 1,447 | 1,476 | 1,506 | 1,451 | 1,533 | 1,941 | 2,042 | 2,184 | 55.0 | 57.4 |
| Engineering | 4,695 | 5,163 | 5,340 | 5,628 | 5,574 | 6,184 | 7,135 | 7,607 | 7,512 | 18.1 | 22.9 |
| Aerospace engineering | 75 | 81 | 76 | 90 | 125 | 107 | 149 | 164 | 167 | 12.0 | 15.4 |
| Chemical engineering | 332 | 344 | 344 | 352 | 335 | 343 | 417 | 425 | 386 | 24.7 | 27.0 |
| Civil engineering | 1,099 | 1,154 | 1,075 | 1,061 | 1,063 | 1,148 | 1,211 | 1,322 | 1,347 | 22.5 | 29.9 |
| Electrical engineering | 1,144 | 1,376 | 1,558 | 1,673 | 1,561 | 1,902 | 2,385 | 2,470 | 2,215 | 15.6 | 20.9 |
| Industrial engineering | 604 | 676 | 648 | 789 | 795 | 844 | 906 | 919 | 921 | 20.6 | 25.7 |
| Materials engineering | 174 | 170 | 201 | 173 | 171 | 183 | 199 | 204 | 201 | 24.0 | 26.2 |
| Mechanical engineering | 419 | 461 | 455 | 448 | 468 | 459 | 563 | 598 | 635 | 11.2 | 13.9 |
| Other | 848 | 901 | 983 | 1,042 | 1,056 | 1,198 | 1,305 | 1,505 | 1,640 | 19.9 | 26.2 |
| Non-S&E | 201,235 | 208,227 | 223,556 | 230,246 | 239,563 | 254,134 | 276,530 | 284,767 | 297,802 | 61.5 | 63.9 |

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 420,954 | 431,871 | 456,260 | 466,645 | 481,132 | 511,603 | 555,537 | 567,875 | 586,029 |
| S&E | 93,485 | 93,918 | 95,683 | 98,986 | 99,173 | 107,910 | 118,470 | 120,025 | 120,337 |
| Sciences | 67,611 | 67,780 | 69,947 | 72,463 | 72,907 | 78,206 | 84,598 | 85,926 | 87,566 |
| Agricultural sciences | 3,927 | 3,862 | 3,858 | 3,752 | 4,019 | 3,955 | 4,221 | 4,171 | 4,089 |
| Biological sciences | 6,594 | 6,368 | 6,325 | 6,487 | 6,334 | 6,877 | 7,647 | 8,099 | 8,673 |
| Computer sciences | 10,489 | 11,752 | 14,529 | 16,341 | 16,582 | 19,248 | 19,853 | 17,820 | 16,594 |
| Earth, atmospheric, and ocean sciences | 1,435 | 1,426 | 1,345 | 1,363 | 1,406 | 1,491 | 1,570 | 1,685 | 1,727 |
| Atmospheric sciences | 177 | 199 | 156 | 140 | 141 | 167 | 179 | 255 | 239 |
| Earth sciences | 1,145 | 1,105 | 1,104 | 1,121 | 1,151 | 1,203 | 1,248 | 1,314 | 1,350 |
| Ocean sciences | 113 | 122 | 85 | 102 | 114 | 121 | 143 | 116 | 138 |
| Mathematics and statistics | 3,599 | 3,525 | 3,295 | 3,280 | 3,408 | 3,706 | 4,297 | 4,598 | 4,896 |
| Physical sciences | 4,141 | 3,969 | 3,512 | 3,737 | 3,624 | 3,702 | 4,030 | 4,116 | 4,311 |
| Astronomy | 93 | 101 | 102 | 93 | 112 | 123 | 150 | 159 | 146 |
| Chemistry | 2,268 | 2,173 | 1,908 | 2,009 | 1,866 | 1,830 | 2,056 | 1,912 | 2,097 |
| Physics | 1,497 | 1,401 | 1,244 | 1,376 | 1,353 | 1,453 | 1,637 | 1,846 | 1,887 |
| Other | 283 | 294 | 258 | 259 | 293 | 296 | 187 | 199 | 181 |
| Psychology | 13,633 | 13,146 | 13,708 | 14,335 | 14,041 | 14,469 | 15,298 | 16,076 | 16,775 |
| Social sciences | 23,793 | 23,732 | 23,375 | 23,168 | 23,493 | 24,758 | 27,682 | 29,361 | 30,501 |
| Anthropology | 1,111 | 1,098 | 950 | 1,092 | 1,017 | 1,043 | 1,098 | 1,107 | 1,156 |
| Area and ethnic studies | 1,587 | 1,550 | 1,529 | 1,515 | 1,497 | 1,514 | 1,617 | 1,681 | 2,025 |
| Economics | 2,804 | 2,843 | 2,515 | 2,492 | 2,651 | 2,951 | 3,201 | 3,504 | 3,337 |
| History of science | 18 | 22 | 24 | 26 | 35 | 25 | 25 | 29 | 41 |
| Linguistics | 642 | 568 | 553 | 552 | 520 | 525 | 574 | 611 | 621 |
| Political science and public administration | 13,368 | 13,151 | 13,035 | 12,929 | 13,183 | 14,115 | 15,766 | 17,354 | 17,939 |
| Sociology | 1,752 | 1,774 | 2,036 | 1,901 | 1,957 | 1,929 | 2,031 | 1,518 | 1,577 |
| Other | 2,511 | 2,726 | 2,733 | 2,661 | 2,633 | 2,656 | 3,370 | 3,557 | 3,805 |
| Engineering | 25,874 | 26,138 | 25,736 | 26,523 | 26,266 | 29,704 | 33,872 | 34,099 | 32,771 |
| Aerospace engineering | 625 | 584 | 560 | 611 | 682 | 735 | 870 | 946 | 1,082 |
| Chemical engineering | 1,345 | 1,372 | 1,352 | 1,368 | 1,267 | 1,365 | 1,506 | 1,506 | 1,432 |
| Civil engineering | 4,880 | 4,736 | 4,140 | 4,013 | 3,947 | 4,190 | 4,445 | 4,631 | 4,503 |
| Electrical engineering | 7,341 | 7,971 | 8,339 | 8,630 | 8,279 | 10,075 | 12,173 | 11,637 | 10,583 |
| Industrial engineering | 2,935 | 3,109 | 3,048 | 3,401 | 3,388 | 3,849 | 4,244 | 3,937 | 3,581 |
| Materials engineering | 724 | 698 | 759 | 709 | 630 | 720 | 800 | 790 | 768 |
| Mechanical engineering | 3,756 | 3,551 | 3,378 | 3,472 | 3,519 | 3,839 | 4,555 | 4,761 | 4,571 |
| Other | 4,268 | 4,117 | 4,160 | 4,319 | 4,554 | 4,931 | 5,279 | 5,891 | 6,251 |
| Non-S&E | 327,469 | 337,953 | 360,577 | 367,659 | 381,959 | 403,693 | 437,067 | 447,850 | 465,692 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 371,477 | 379,666 | 400,689 | 405,455 | 417,821 | 440,227 | 481,135 | 495,470 | 515,425 |
| S&E | 72,220 | 71,295 | 70,933 | 71,564 | 71,623 | 75,542 | 83,120 | 86,563 | 89,496 |
| Sciences | 54,982 | 54,318 | 55,020 | 56,042 | 56,160 | 59,212 | 64,868 | 67,344 | 70,063 |
| Agricultural sciences | 3,269 | 3,264 | 3,342 | 3,281 | 3,540 | 3,440 | 3,575 | 3,575 | 3,528 |
| Biological sciences | 5,671 | 5,468 | 5,575 | 5,614 | 5,529 | 5,876 | 6,532 | 6,886 | 7,388 |
| Computer sciences | 6,516 | 6,957 | 7,966 | 8,596 | 8,895 | 10,159 | 11,033 | 10,340 | 9,978 |
| Earth, atmospheric, and ocean sciences | 1,198 | 1,218 | 1,150 | 1,191 | 1,207 | 1,285 | 1,312 | 1,431 | 1,469 |
| Atmospheric sciences | 143 | 152 | 118 | 116 | 113 | 128 | 135 | 206 | 194 |
| Earth sciences | 959 | 972 | 962 | 987 | 1,001 | 1,046 | 1,058 | 1,132 | 1,162 |
| Ocean sciences | 96 | 94 | 70 | 88 | 93 | 111 | 119 | 93 | 113 |
| Mathematics and statistics | 2,606 | 2,499 | 2,184 | 2,050 | 2,114 | 2,193 | 2,512 | 2,821 | 3,090 |
| Physical sciences | 2,734 | 2,680 | 2,372 | 2,498 | 2,436 | 2,513 | 2,662 | 2,735 | 2,884 |
| Astronomy | 74 | 82 | 80 | 65 | 77 | 94 | 102 | 122 | 117 |
| Chemistry | 1,501 | 1,446 | 1,309 | 1,388 | 1,260 | 1,297 | 1,384 | 1,289 | 1,396 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Physics | 938 | 882 | 761 | 808 | 829 | 851 | 1,010 | 1,148 | 1,205 |
| Other | 221 | 270 | 222 | 237 | 270 | 271 | 166 | 176 | 166 |
| Psychology | 13,231 | 12,686 | 13,241 | 13,871 | 13,562 | 13,804 | 14,695 | 15,446 | 16,163 |
| Social sciences | 19,757 | 19,546 | 19,190 | 18,941 | 18,877 | 19,942 | 22,547 | 24,110 | 25,563 |
| Anthropology | 1,020 | 1,012 | 864 | 1,004 | 918 | 960 | 993 | 1,034 | 1,064 |
| Area and ethnic studies | 1,397 | 1,340 | 1,300 | 1,287 | 1,269 | 1,266 | 1,364 | 1,445 | 1,764 |
| Economics | 1,456 | 1,440 | 1,209 | 1,172 | 1,191 | 1,337 | 1,493 | 1,774 | 1,785 |
| History of science | 16 | 16 | 22 | 21 | 33 | 18 | 22 | 23 | 32 |
| Linguistics | 473 | 420 | 380 | 394 | 351 | 353 | 398 | 422 | 450 |
| Political science and public administration | 11,517 | 11,220 | 11,111 | 10,946 | 11,037 | 11,893 | 13,401 | 14,860 | 15,604 |
| Sociology | 1,580 | 1,622 | 1,845 | 1,744 | 1,766 | 1,744 | 1,832 | 1,349 | 1,409 |
| Other | 2,298 | 2,476 | 2,459 | 2,373 | 2,312 | 2,371 | 3,044 | 3,203 | 3,455 |
| Engineering | 17,238 | 16,977 | 15,913 | 15,522 | 15,463 | 16,330 | 18,252 | 19,219 | 19,433 |
| Aerospace engineering | 441 | 374 | 339 | 360 | 395 | 447 | 579 | 656 | 829 |
| Chemical engineering | 748 | 780 | 721 | 726 | 662 | 657 | 704 | 739 | 734 |
| Civil engineering | 3,664 | 3,547 | 3,048 | 2,780 | 2,593 | 2,686 | 2,782 | 3,080 | 3,080 |
| Electrical engineering | 4,265 | 4,452 | 4,231 | 3,959 | 4,036 | 4,403 | 5,276 | 5,229 | 5,078 |
| Industrial engineering | 1,872 | 2,004 | 1,872 | 1,992 | 1,958 | 2,084 | 2,268 | 2,178 | 2,123 |
| Materials engineering | 472 | 447 | 483 | 409 | 386 | 381 | 417 | 451 | 434 |
| Mechanical engineering | 2,602 | 2,423 | 2,212 | 2,222 | 2,214 | 2,239 | 2,630 | 2,847 | 2,842 |
| Other | 3,174 | 2,950 | 3,007 | 3,074 | 3,219 | 3,433 | 3,596 | 4,039 | 4,313 |
| Non-S&E | 299,257 | 308,371 | 329,756 | 333,891 | 346,198 | 364,685 | 398,015 | 408,907 | 425,929 |
| White | | | | | | | | | |
| All fields | 288,353 | 291,962 | 297,226 | 293,390 | 296,978 | 306,552 | 326,932 | 336,718 | 346,235 |
| S&E | 53,769 | 52,328 | 49,850 | 48,792 | 48,410 | 49,936 | 54,339 | 56,082 | 57,588 |
| Sciences | 41,277 | 40,243 | 38,830 | 38,326 | 38,006 | 39,210 | 42,582 | 43,815 | 45,399 |
| Agricultural sciences | 2,809 | 2,827 | 2,864 | 2,782 | 2,951 | 2,898 | 2,953 | 2,930 | 2,872 |
| Biological sciences | 4,395 | 4,212 | 4,179 | 4,124 | 4,085 | 4,290 | 4,618 | 4,862 | 5,217 |
| Computer sciences | 4,105 | 4,277 | 4,435 | 4,541 | 4,738 | 5,125 | 5,686 | 5,556 | 5,489 |
| Earth, atmospheric, and ocean sciences | 1,084 | 1,106 | 1,036 | 1,043 | 1,065 | 1,125 | 1,144 | 1,234 | 1,248 |
| Atmospheric sciences | 128 | 133 | 111 | 99 | 98 | 117 | 120 | 185 | 170 |
| Earth sciences | 873 | 889 | 861 | 876 | 890 | 914 | 921 | 963 | 982 |
| Ocean sciences | 83 | 84 | 64 | 68 | 77 | 94 | 103 | 86 | 96 |
| Mathematics and statistics | 2,005 | 1,895 | 1,655 | 1,515 | 1,555 | 1,623 | 1,795 | 1,982 | 2,114 |
| Physical sciences | 2,088 | 2,023 | 1,774 | 1,874 | 1,782 | 1,848 | 2,023 | 2,013 | 2,115 |
| Astronomy | 67 | 73 | 65 | 47 | 59 | 67 | 76 | 98 | 97 |
| Chemistry | 1,068 | 1,028 | 929 | 992 | 876 | 905 | 1,012 | 886 | 963 |
| Physics | 755 | 696 | 585 | 627 | 613 | 642 | 790 | 873 | 904 |
| Other | 198 | 226 | 195 | 208 | 234 | 234 | 145 | 156 | 151 |
| Psychology | 10,444 | 9,820 | 9,646 | 9,798 | 9,315 | 9,356 | 9,901 | 10,141 | 10,689 |
| Social sciences | 14,347 | 14,083 | 13,241 | 12,649 | 12,515 | 12,945 | 14,462 | 15,097 | 15,655 |
| Anthropology | 862 | 839 | 686 | 800 | 705 | 743 | 770 | 779 | 786 |
| Area and ethnic studies | 992 | 958 | 898 | 794 | 769 | 720 | 838 | 809 | 938 |
| Economics | 1,047 | 1,067 | 839 | 840 | 827 | 828 | 927 | 1,097 | 1,077 |
| History of science | 12 | 16 | 20 | 18 | 23 | 13 | 17 | 20 | 29 |
| Linguistics | 364 | 319 | 295 | 284 | 270 | 258 | 290 | 300 | 298 |
| Political science and public administration | 8,185 | 7,820 | 7,427 | 7,005 | 7,051 | 7,503 | 8,353 | 9,077 | 9,342 |
| Sociology | 1,130 | 1,165 | 1,254 | 1,178 | 1,183 | 1,177 | 1,202 | 858 | 906 |
| Other | 1,755 | 1,899 | 1,822 | 1,730 | 1,687 | 1,703 | 2,065 | 2,157 | 2,279 |
| Engineering | 12,492 | 12,085 | 11,020 | 10,466 | 10,404 | 10,726 | 11,757 | 12,267 | 12,189 |
| Aerospace engineering | 345 | 297 | 284 | 277 | 310 | 347 | 444 | 500 | 534 |
| Chemical engineering | 541 | 537 | 501 | 487 | 435 | 431 | 455 | 452 | 481 |
| Civil engineering | 2,842 | 2,777 | 2,337 | 2,130 | 1,931 | 1,995 | 2,089 | 2,245 | 2,277 |
| Electrical engineering | 2,737 | 2,710 | 2,474 | 2,244 | 2,308 | 2,433 | 2,812 | 2,806 | 2,629 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Industrial engineering | 1,360 | 1,406 | 1,238 | 1,290 | 1,261 | 1,302 | 1,361 | 1,226 | 1,210 |
| Materials engineering | 350 | 356 | 373 | 295 | 287 | 282 | 304 | 314 | 305 |
| Mechanical engineering | 1,967 | 1,815 | 1,630 | 1,558 | 1,584 | 1,618 | 1,840 | 2,045 | 1,985 |
| Other | 2,350 | 2,187 | 2,183 | 2,185 | 2,288 | 2,318 | 2,452 | 2,679 | 2,768 |
| Non-S&E | 234,584 | 239,634 | 247,376 | 244,598 | 248,568 | 256,616 | 272,593 | 280,636 | 288,647 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 17,912 | 19,936 | 21,412 | 21,946 | 22,610 | 24,184 | 26,990 | 28,659 | 29,535 |
| S&E | 6,180 | 6,554 | 6,990 | 7,045 | 6,814 | 7,589 | 8,567 | 8,823 | 8,696 |
| Sciences | 3,861 | 4,103 | 4,611 | 4,631 | 4,613 | 5,145 | 5,565 | 5,729 | 5,504 |
| Agricultural sciences | 103 | 83 | 94 | 97 | 126 | 99 | 111 | 111 | 84 |
| Biological sciences | 575 | 591 | 595 | 540 | 537 | 646 | 763 | 793 | 815 |
| Computer sciences | 1,322 | 1,579 | 2,028 | 2,053 | 2,004 | 2,284 | 2,330 | 2,193 | 1,832 |
| Earth, atmospheric, and ocean sciences | 30 | 30 | 22 | 28 | 37 | 28 | 39 | 31 | 31 |
| Atmospheric sciences | 4 | 11 | 4 | 5 | 7 | 4 | 5 | 4 | 5 |
| Earth sciences | 19 | 15 | 17 | 17 | 25 | 18 | 28 | 26 | 23 |
| Ocean sciences | 7 | 4 | 1 | 6 | 5 | 6 | 6 | 1 | 3 |
| Mathematics and statistics | 238 | 216 | 180 | 205 | 214 | 221 | 275 | 324 | 396 |
| Physical sciences | 278 | 248 | 240 | 220 | 213 | 231 | 196 | 244 | 220 |
| Astronomy | 2 | 4 | 5 | 5 | 4 | 7 | 6 | 7 | 2 |
| Chemistry | 197 | 172 | 172 | 153 | 125 | 157 | 128 | 154 | 137 |
| Physics | 73 | 60 | 53 | 56 | 66 | 57 | 60 | 75 | 78 |
| Other | 6 | 12 | 10 | 6 | 18 | 10 | 2 | 8 | 3 |
| Psychology | 364 | 379 | 472 | 498 | 526 | 525 | 580 | 582 | 639 |
| Social sciences | 951 | 977 | 980 | 990 | 956 | 1,111 | 1,271 | 1,451 | 1,487 |
| Anthropology | 25 | 36 | 39 | 39 | 34 | 42 | 43 | 44 | 39 |
| Area and ethnic studies | 91 | 83 | 78 | 101 | 92 | 101 | 93 | 111 | 126 |
| Economics | 155 | 127 | 132 | 113 | 119 | 156 | 157 | 185 | 207 |
| History of science | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 1 | 1 |
| Linguistics | 37 | 41 | 42 | 43 | 26 | 32 | 37 | 41 | 43 |
| Political science and public administration | 478 | 534 | 516 | 534 | 512 | 600 | 715 | 854 | 861 |
| Sociology | 69 | 72 | 66 | 70 | 86 | 95 | 106 | 78 | 71 |
| Other | 96 | 84 | 107 | 90 | 85 | 83 | 117 | 137 | 139 |
| Engineering | 2,319 | 2,451 | 2,379 | 2,414 | 2,201 | 2,444 | 3,002 | 3,094 | 3,192 |
| Aerospace engineering | 42 | 35 | 26 | 37 | 29 | 42 | 51 | 55 | 64 |
| Chemical engineering | 87 | 123 | 114 | 120 | 96 | 96 | 135 | 106 | 110 |
| Civil engineering | 386 | 329 | 283 | 220 | 204 | 241 | 254 | 298 | 277 |
| Electrical engineering | 911 | 1,082 | 1,061 | 1,026 | 919 | 1,049 | 1,421 | 1,379 | 1,335 |
| Industrial engineering | 153 | 180 | 192 | 212 | 190 | 275 | 284 | 332 | 319 |
| Materials engineering | 62 | 50 | 54 | 55 | 43 | 53 | 53 | 64 | 63 |
| Mechanical engineering | 293 | 278 | 265 | 358 | 315 | 262 | 347 | 326 | 362 |
| Other | 385 | 374 | 384 | 386 | 405 | 426 | 457 | 534 | 662 |
| Non-S&E | 11,732 | 13,382 | 14,422 | 14,901 | 15,796 | 16,595 | 18,423 | 19,836 | 20,839 |
| Black | | | | | | | | | |
| All fields | 26,948 | 28,616 | 33,305 | 35,059 | 36,524 | 39,582 | 44,375 | 46,901 | 50,160 |
| S&E | 4,870 | 4,894 | 5,492 | 6,117 | 6,133 | 6,800 | 7,459 | 7,607 | 7,890 |
| Sciences | 4,196 | 4,180 | 4,834 | 5,417 | 5,395 | 5,973 | 6,606 | 6,733 | 6,997 |
| Agricultural sciences | 96 | 95 | 84 | 96 | 88 | 103 | 102 | 85 | 96 |
| Biological sciences | 236 | 190 | 223 | 313 | 288 | 298 | 385 | 375 | 406 |
| Computer sciences | 411 | 424 | 580 | 654 | 659 | 881 | 902 | 740 | 766 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Earth, atmospheric, and ocean sciences | 12 | 15 | 7 | 21 | 18 | 18 | 22 | 19 | 32 |
| Atmospheric sciences | 2 | 2 | 0 | 4 | 2 | 2 | 3 | 5 | 9 |
| Earth sciences | 10 | 13 | 6 | 15 | 15 | 13 | 16 | 13 | 21 |
| Ocean sciences | 0 | 0 | 1 | 2 | 1 | 3 | 3 | 1 | 2 |
| Mathematics and statistics | 154 | 142 | 98 | 113 | 113 | 98 | 115 | 135 | 155 |
| Physical sciences | 132 | 131 | 117 | 130 | 121 | 113 | 120 | 101 | 154 |
| Astronomy | 2 | 0 | 0 | 0 | 2 | 1 | 1 | 2 | 3 |
| Chemistry | 84 | 79 | 65 | 82 | 74 | 76 | 87 | 55 | 93 |
| Physics | 39 | 34 | 44 | 41 | 37 | 32 | 27 | 39 | 53 |
| Other | 7 | 18 | 8 | 7 | 8 | 4 | 5 | 5 | 5 |
| Psychology | 1,059 | 1,020 | 1,346 | 1,598 | 1,631 | 1,801 | 1,923 | 2,135 | 1,977 |
| Social sciences | 2,096 | 2,163 | 2,379 | 2,492 | 2,477 | 2,661 | 3,037 | 3,143 | 3,411 |
| Anthropology | 29 | 26 | 33 | 37 | 32 | 33 | 31 | 30 | 32 |
| Area and ethnic studies | 109 | 104 | 91 | 86 | 108 | 122 | 127 | 135 | 136 |
| Economics | 96 | 94 | 71 | 66 | 76 | 67 | 70 | 96 | 100 |
| History of science | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 |
| Linguistics | 12 | 12 | 4 | 14 | 5 | 7 | 3 | 9 | 13 |
| Political science and public administration | 1,386 | 1,453 | 1,585 | 1,754 | 1,717 | 1,861 | 2,057 | 2,235 | 2,421 |
| Sociology | 247 | 220 | 344 | 294 | 285 | 274 | 301 | 205 | 201 |
| Other | 216 | 254 | 251 | 240 | 252 | 297 | 448 | 433 | 507 |
| Engineering | 674 | 714 | 658 | 700 | 738 | 827 | 853 | 874 | 893 |
| Aerospace engineering | 9 | 7 | 7 | 10 | 14 | 8 | 11 | 19 | 25 |
| Chemical engineering | 35 | 43 | 34 | 34 | 31 | 43 | 31 | 56 | 37 |
| Civil engineering | 109 | 127 | 93 | 102 | 101 | 96 | 76 | 100 | 88 |
| Electrical engineering | 168 | 198 | 183 | 188 | 189 | 226 | 238 | 229 | 229 |
| Industrial engineering | 89 | 111 | 90 | 119 | 142 | 158 | 170 | 152 | 171 |
| Materials engineering | 18 | 13 | 15 | 9 | 19 | 14 | 21 | 19 | 12 |
| Mechanical engineering | 110 | 96 | 91 | 89 | 71 | 79 | 85 | 82 | 87 |
| Other | 136 | 119 | 145 | 149 | 171 | 203 | 221 | 217 | 244 |
| Non-S&E | 22,078 | 23,722 | 27,813 | 28,942 | 30,391 | 32,782 | 36,916 | 39,294 | 42,270 |
| Hispanic | | | | | | | | | |
| All fields | 16,360 | 17,416 | 20,803 | 22,163 | 23,165 | 25,257 | 29,498 | 31,815 | 33,368 |
| S&E | 3,220 | 3,462 | 3,746 | 4,077 | 4,089 | 4,381 | 5,078 | 5,365 | 5,651 |
| Sciences | 2,455 | 2,655 | 2,894 | 3,239 | 3,234 | 3,505 | 3,948 | 4,213 | 4,551 |
| Agricultural sciences | 105 | 116 | 133 | 123 | 175 | 132 | 171 | 185 | 196 |
| Biological sciences | 214 | 192 | 268 | 310 | 267 | 267 | 330 | 359 | 371 |
| Computer sciences | 211 | 219 | 288 | 440 | 333 | 555 | 602 | 462 | 480 |
| Earth, atmospheric, and ocean sciences | 23 | 20 | 30 | 28 | 35 | 28 | 36 | 47 | 55 |
| Atmospheric sciences | 3 | 2 | 2 | 0 | 1 | 2 | 2 | 3 | 4 |
| Earth sciences | 18 | 17 | 26 | 25 | 31 | 24 | 32 | 43 | 47 |
| Ocean sciences | 2 | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 4 |
| Mathematics and statistics | 63 | 85 | 100 | 72 | 82 | 108 | 113 | 130 | 165 |
| Physical sciences | 116 | 129 | 96 | 119 | 136 | 144 | 127 | 144 | 171 |
| Astronomy | 2 | 0 | 2 | 1 | 2 | 2 | 3 | 2 | 6 |
| Chemistry | 72 | 84 | 56 | 74 | 72 | 90 | 70 | 84 | 107 |
| Physics | 36 | 35 | 34 | 37 | 56 | 41 | 44 | 53 | 57 |
| Other | 6 | 10 | 4 | 7 | 6 | 11 | 10 | 5 | 1 |
| Psychology | 718 | 787 | 837 | 937 | 953 | 957 | 1,085 | 1,219 | 1,316 |
| Social sciences | 1,005 | 1,107 | 1,142 | 1,210 | 1,253 | 1,314 | 1,484 | 1,667 | 1,797 |
| Anthropology | 37 | 48 | 37 | 45 | 59 | 48 | 58 | 62 | 60 |
| Area and ethnic studies | 91 | 96 | 107 | 113 | 121 | 139 | 117 | 151 | 182 |
| Economics | 71 | 63 | 67 | 53 | 57 | 79 | 80 | 111 | 100 |
| History of science | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Linguistics | 24 | 27 | 18 | 27 | 19 | 23 | 26 | 26 | 42 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Political science and public administration | 634 | 651 | 701 | 736 | 743 | 800 | 905 | 1,023 | 1,062 |
| Sociology | 69 | 97 | 110 | 116 | 140 | 117 | 139 | 111 | 126 |
| Other | 78 | 125 | 102 | 119 | 114 | 107 | 159 | 183 | 225 |
| Engineering | 765 | 807 | 852 | 838 | 855 | 876 | 1,130 | 1,152 | 1,100 |
| Aerospace engineering | 20 | 16 | 13 | 11 | 19 | 14 | 21 | 39 | 27 |
| Chemical engineering | 51 | 46 | 39 | 40 | 45 | 39 | 40 | 41 | 49 |
| Civil engineering | 159 | 158 | 180 | 168 | 187 | 152 | 163 | 208 | 185 |
| Electrical engineering | 187 | 190 | 211 | 172 | 180 | 242 | 340 | 276 | 281 |
| Industrial engineering | 108 | 150 | 172 | 192 | 204 | 163 | 229 | 239 | 212 |
| Materials engineering | 22 | 15 | 15 | 22 | 16 | 6 | 16 | 26 | 17 |
| Mechanical engineering | 113 | 117 | 99 | 93 | 87 | 117 | 157 | 153 | 155 |
| Other | 105 | 115 | 123 | 140 | 117 | 143 | 164 | 170 | 174 |
| Non-S&E | 13,140 | 13,954 | 17,057 | 18,086 | 19,076 | 20,876 | 24,420 | 26,450 | 27,717 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 1,844 | 1,951 | 2,099 | 2,274 | 2,382 | 2,546 | 2,826 | 2,892 | 3,049 |
| S&E | 370 | 372 | 383 | 472 | 420 | 452 | 535 | 486 | 558 |
| Sciences | 317 | 318 | 319 | 412 | 363 | 382 | 450 | 404 | 471 |
| Agricultural sciences | 18 | 23 | 23 | 18 | 25 | 24 | 23 | 27 | 34 |
| Biological sciences | 25 | 21 | 26 | 29 | 34 | 31 | 33 | 29 | 46 |
| Computer sciences | 25 | 15 | 32 | 68 | 32 | 42 | 57 | 35 | 54 |
| Earth, atmospheric, and ocean sciences | 5 | 10 | 9 | 11 | 4 | 9 | 7 | 11 | 4 |
| Atmospheric sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Earth sciences | 5 | 8 | 9 | 8 | 4 | 9 | 7 | 10 | 4 |
| Ocean sciences | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Mathematics and statistics | 14 | 9 | 9 | 9 | 8 | 8 | 7 | 9 | 11 |
| Physical sciences | 11 | 14 | 9 | 9 | 15 | 12 | 8 | 11 | 14 |
| Astronomy | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| Chemistry | 8 | 12 | 5 | 7 | 11 | 5 | 3 | 6 | 9 |
| Physics | 2 | 2 | 3 | 2 | 4 | 5 | 5 | 3 | 3 |
| Other | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 |
| Psychology | 97 | 108 | 69 | 106 | 96 | 104 | 108 | 115 | 114 |
| Social sciences | 122 | 118 | 142 | 162 | 149 | 152 | 207 | 167 | 194 |
| Anthropology | 10 | 14 | 14 | 17 | 12 | 11 | 19 | 14 | 21 |
| Area and ethnic studies | 21 | 15 | 16 | 20 | 20 | 33 | 27 | 27 | 28 |
| Economics | 8 | 5 | 3 | 7 | 10 | 6 | 6 | 10 | 3 |
| History of science | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Linguistics | 2 | 2 | 1 | 1 | 4 | 1 | 2 | 6 | 2 |
| Political science and public administration | 55 | 49 | 62 | 70 | 74 | 77 | 118 | 90 | 106 |
| Sociology | 16 | 19 | 30 | 28 | 17 | 17 | 17 | 7 | 10 |
| Other | 10 | 14 | 16 | 18 | 11 | 7 | 18 | 13 | 24 |
| Engineering | 53 | 54 | 64 | 60 | 57 | 70 | 85 | 82 | 87 |
| Aerospace engineering | 2 | 0 | 0 | 2 | 4 | 2 | 6 | 2 | 8 |
| Chemical engineering | 5 | 1 | 3 | 4 | 2 | 2 | 0 | 4 | 2 |
| Civil engineering | 10 | 14 | 14 | 10 | 11 | 13 | 16 | 13 | 17 |
| Electrical engineering | 8 | 9 | 14 | 10 | 13 | 18 | 10 | 20 | 17 |
| Industrial engineering | 6 | 7 | 8 | 15 | 8 | 8 | 19 | 18 | 9 |
| Materials engineering | 0 | 0 | 4 | 1 | 2 | 1 | 1 | 1 | 1 |
| Mechanical engineering | 10 | 13 | 7 | 7 | 6 | 9 | 21 | 6 | 11 |
| Other | 12 | 10 | 14 | 11 | 11 | 17 | 12 | 18 | 22 |
| Non-S&E | 1,474 | 1,579 | 1,716 | 1,802 | 1,962 | 2,094 | 2,291 | 2,406 | 2,491 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 20,060 | 19,785 | 25,844 | 30,623 | 36,162 | 42,106 | 50,514 | 48,485 | 53,078 |
| S&E | 3,811 | 3,685 | 4,472 | 5,061 | 5,757 | 6,384 | 7,142 | 8,200 | 9,113 |
| Sciences | 2,876 | 2,819 | 3,532 | 4,017 | 4,549 | 4,997 | 5,717 | 6,450 | 7,141 |
| Agricultural sciences | 138 | 120 | 144 | 165 | 175 | 184 | 215 | 237 | 246 |
| Biological sciences | 226 | 262 | 284 | 298 | 318 | 344 | 403 | 468 | 533 |
| Computer sciences | 442 | 443 | 603 | 840 | 1,129 | 1,272 | 1,456 | 1,354 | 1,357 |
| Earth, atmospheric, and ocean sciences | 44 | 37 | 46 | 60 | 48 | 77 | 64 | 89 | 99 |
| Atmospheric sciences | 6 | 4 | 1 | 8 | 5 | 3 | 5 | 8 | 6 |
| Earth sciences | 34 | 30 | 43 | 46 | 36 | 68 | 54 | 77 | 85 |
| Ocean sciences | 4 | 3 | 2 | 6 | 7 | 6 | 5 | 4 | 8 |
| Mathematics and statistics | 132 | 152 | 142 | 136 | 142 | 135 | 207 | 241 | 249 |
| Physical sciences | 109 | 135 | 136 | 146 | 169 | 165 | 188 | 222 | 210 |
| Astronomy | 1 | 5 | 8 | 12 | 10 | 16 | 16 | 12 | 9 |
| Chemistry | 72 | 71 | 82 | 80 | 102 | 64 | 84 | 104 | 87 |
| Physics | 33 | 55 | 42 | 45 | 53 | 74 | 84 | 105 | 110 |
| Other | 3 | 4 | 4 | 9 | 4 | 11 | 4 | 1 | 4 |
| Psychology | 549 | 572 | 871 | 934 | 1,041 | 1,061 | 1,098 | 1,254 | 1,428 |
| Social sciences | 1,236 | 1,098 | 1,306 | 1,438 | 1,527 | 1,759 | 2,086 | 2,585 | 3,019 |
| Anthropology | 57 | 49 | 55 | 66 | 76 | 83 | 72 | 105 | 126 |
| Area and ethnic studies | 93 | 84 | 110 | 173 | 159 | 151 | 162 | 212 | 354 |
| Economics | 79 | 84 | 97 | 93 | 102 | 201 | 253 | 275 | 298 |
| History of science | 2 | 0 | 2 | 0 | 5 | 2 | 2 | 2 | 1 |
| Linguistics | 34 | 19 | 20 | 25 | 27 | 32 | 40 | 40 | 52 |
| Political science and public administration | 779 | 713 | 820 | 847 | 940 | 1,052 | 1,253 | 1,581 | 1,812 |
| Sociology | 49 | 49 | 41 | 58 | 55 | 64 | 67 | 90 | 95 |
| Other | 143 | 100 | 161 | 176 | 163 | 174 | 237 | 280 | 281 |
| Engineering | 935 | 866 | 940 | 1,044 | 1,208 | 1,387 | 1,425 | 1,750 | 1,972 |
| Aerospace engineering | 23 | 19 | 9 | 23 | 19 | 34 | 46 | 41 | 171 |
| Chemical engineering | 29 | 30 | 30 | 41 | 53 | 46 | 43 | 80 | 55 |
| Civil engineering | 158 | 142 | 141 | 150 | 159 | 189 | 184 | 216 | 236 |
| Electrical engineering | 254 | 263 | 288 | 319 | 427 | 435 | 455 | 519 | 587 |
| Industrial engineering | 156 | 150 | 172 | 164 | 153 | 178 | 205 | 211 | 202 |
| Materials engineering | 20 | 13 | 22 | 27 | 19 | 25 | 22 | 27 | 36 |
| Mechanical engineering | 109 | 104 | 120 | 117 | 151 | 154 | 180 | 235 | 242 |
| Other | 186 | 145 | 158 | 203 | 227 | 326 | 290 | 421 | 443 |
| Non-S&E | 16,249 | 16,100 | 21,372 | 25,562 | 30,405 | 35,722 | 43,372 | 40,285 | 43,965 |
| Temporary resident | | | | | | | | | |
| All fields | 49,477 | 52,205 | 55,571 | 61,190 | 63,311 | 71,376 | 74,402 | 72,405 | 70,604 |
| S&E | 21,265 | 22,623 | 24,750 | 27,422 | 27,550 | 32,368 | 35,350 | 33,462 | 30,841 |
| Sciences | 12,629 | 13,462 | 14,927 | 16,421 | 16,747 | 18,994 | 19,730 | 18,582 | 17,503 |
| Agricultural sciences | 658 | 598 | 516 | 471 | 479 | 515 | 646 | 596 | 561 |
| Biological sciences | 923 | 900 | 750 | 873 | 805 | 1,001 | 1,115 | 1,213 | 1,285 |
| Computer sciences | 3,973 | 4,795 | 6,563 | 7,745 | 7,687 | 9,089 | 8,820 | 7,480 | 6,616 |
| Earth, atmospheric, and ocean sciences | 237 | 208 | 195 | 172 | 199 | 206 | 258 | 254 | 258 |
| Atmospheric sciences | 34 | 47 | 38 | 24 | 28 | 39 | 44 | 49 | 45 |
| Earth sciences | 186 | 133 | 142 | 134 | 150 | 157 | 190 | 182 | 188 |
| Ocean sciences | 17 | 28 | 15 | 14 | 21 | 10 | 24 | 23 | 25 |
| Mathematics and statistics | 993 | 1,026 | 1,111 | 1,230 | 1,294 | 1,513 | 1,785 | 1,777 | 1,806 |
| Physical sciences | 1,407 | 1,289 | 1,140 | 1,239 | 1,188 | 1,189 | 1,368 | 1,381 | 1,427 |
| Astronomy | 19 | 19 | 22 | 28 | 35 | 29 | 48 | 37 | 29 |
| Chemistry | 767 | 727 | 599 | 621 | 606 | 533 | 672 | 623 | 701 |

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physics | 559 | 519 | 483 | 568 | 524 | 602 | 627 | 698 | 682 |
| Other | 62 | 24 | 36 | 22 | 23 | 25 | 21 | 23 | 15 |
| Psychology | 402 | 460 | 467 | 464 | 479 | 665 | 603 | 630 | 612 |
| Social sciences | 4,036 | 4,186 | 4,185 | 4,227 | 4,616 | 4,816 | 5,135 | 5,251 | 4,938 |
| Anthropology | 91 | 86 | 86 | 88 | 99 | 83 | 105 | 73 | 92 |
| Area and ethnic studies | 190 | 210 | 229 | 228 | 228 | 248 | 253 | 236 | 261 |
| Economics | 1,348 | 1,403 | 1,306 | 1,320 | 1,460 | 1,614 | 1,708 | 1,730 | 1,552 |
| History of science | 2 | 6 | 2 | 5 | 2 | 7 | 3 | 6 | 9 |
| Linguistics | 169 | 148 | 173 | 158 | 169 | 172 | 176 | 189 | 171 |
| Political science and public administration | 1,851 | 1,931 | 1,924 | 1,983 | 2,146 | 2,222 | 2,365 | 2,494 | 2,335 |
| Sociology | 172 | 152 | 191 | 157 | 191 | 185 | 199 | 169 | 168 |
| Other | 213 | 250 | 274 | 288 | 321 | 285 | 326 | 354 | 350 |
| Engineering | 8,636 | 9,161 | 9,823 | 11,001 | 10,803 | 13,374 | 15,620 | 14,880 | 13,338 |
| Aerospace engineering | 184 | 210 | 221 | 251 | 287 | 288 | 291 | 290 | 253 |
| Chemical engineering | 597 | 592 | 631 | 642 | 605 | 708 | 802 | 767 | 698 |
| Civil engineering | 1,216 | 1,189 | 1,092 | 1,233 | 1,354 | 1,504 | 1,663 | 1,551 | 1,423 |
| Electrical engineering | 3,076 | 3,519 | 4,108 | 4,671 | 4,243 | 5,672 | 6,897 | 6,408 | 5,505 |
| Industrial engineering | 1,063 | 1,105 | 1,176 | 1,409 | 1,430 | 1,765 | 1,976 | 1,759 | 1,458 |
| Materials engineering | 252 | 251 | 276 | 300 | 244 | 339 | 383 | 339 | 334 |
| Mechanical engineering | 1,154 | 1,128 | 1,166 | 1,250 | 1,305 | 1,600 | 1,925 | 1,914 | 1,729 |
| Other | 1,094 | 1,167 | 1,153 | 1,245 | 1,335 | 1,498 | 1,683 | 1,852 | 1,938 |
| Non-S&E | 28,212 | 29,582 | 30,821 | 33,768 | 35,761 | 39,008 | 39,052 | 38,943 | 39,763 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|-------|------|------|------|------|------|------|------|
| White | | | | | | | | | |
| All fields | 77.6 | 76.9 | 74.2 | 72.4 | 71.1 | 69.6 | 68.0 | 68.0 | 67.2 |
| S&E | 74.5 | 73.4 | 70.3 | 68.2 | 67.6 | 66.1 | 65.4 | 64.8 | 64.3 |
| Sciences | 75.1 | 74.1 | 70.6 | 68.4 | 67.7 | 66.2 | 65.6 | 65.1 | 64.8 |
| Agricultural sciences | 85.9 | 86.6 | 85.7 | 84.8 | 83.4 | 84.2 | 82.6 | 82.0 | 81.4 |
| Biological sciences | 77.5 | 77.0 | 75.0 | 73.5 | 73.9 | 73.0 | 70.7 | 70.6 | 70.6 |
| Computer sciences | 63.0 | 61.5 | 55.7 | 52.8 | 53.3 | 50.4 | 51.5 | 53.7 | 55.0 |
| Earth, atmospheric, and ocean sciences | 90.5 | 90.8 | 90.1 | 87.6 | 88.2 | 87.5 | 87.2 | 86.2 | 85.0 |
| Atmospheric sciences | 89.5 | 87.5 | 94.1 | 85.3 | 86.7 | 91.4 | 88.9 | 89.8 | 87.6 |
| Earth sciences | 91.0 | 91.5 | 89.5 | 88.8 | 88.9 | 87.4 | 87.1 | 85.1 | 84.5 |
| Ocean sciences | 86.5 | 89.4 | 91.4 | 77.3 | 82.8 | 84.7 | 86.6 | 92.5 | 85.0 |
| Mathematics and statistics | 76.9 | 75.8 | 75.8 | 73.9 | 73.6 | 74.0 | 71.5 | 70.3 | 68.4 |
| Physical sciences | 76.4 | 75.5 | 74.8 | 75.0 | 73.2 | 73.5 | 76.0 | 73.6 | 73.3 |
| Astronomy | 90.5 | 89.0 | 81.3 | 72.3 | 76.6 | 71.3 | 74.5 | 80.3 | 82.9 |
| Chemistry | 71.2 | 71.1 | 71.0 | 71.5 | 69.5 | 69.8 | 73.1 | 68.7 | 69.0 |
| Physics | 80.5 | 78.9 | 76.9 | 77.6 | 73.9 | 75.4 | 78.2 | 76.0 | 75.0 |
| Other | 89.6 | 83.7 | 87.8 | 87.8 | 86.7 | 86.3 | 87.3 | 88.6 | 91.0 |
| Psychology | 78.9 | 77.4 | 72.8 | 70.6 | 68.7 | 67.8 | 67.4 | 65.7 | 66.1 |
| Social sciences | 72.6 | 72.1 | 69.0 | 66.8 | 66.3 | 64.9 | 64.1 | 62.6 | 61.2 |
| Anthropology | 84.5 | 82.9 | 79.4 | 79.7 | 76.8 | 77.4 | 77.5 | 75.3 | 73.9 |
| Area and ethnic studies | 71.0 | 71.5 | 69.1 | 61.7 | 60.6 | 56.9 | 61.4 | 56.0 | 53.2 |
| Economics | 71.9 | 74.1 | 69.4 | 71.7 | 69.4 | 61.9 | 62.1 | 61.8 | 60.3 |
| History of science | 75.0 | 100.0 | 90.9 | 85.7 | 69.7 | 72.2 | 77.3 | 87.0 | 90.6 |
| Linguistics | 77.0 | 76.0 | 77.6 | 72.1 | 76.9 | 73.1 | 72.9 | 71.1 | 66.2 |
| Political science and public administration | 71.1 | 69.7 | 66.8 | 64.0 | 63.9 | 63.1 | 62.3 | 61.1 | 59.9 |
| Sociology | 71.5 | 71.8 | 68.0 | 67.5 | 67.0 | 67.5 | 65.6 | 63.6 | 64.3 |
| Other | 76.4 | 76.7 | 74.1 | 72.9 | 73.0 | 71.8 | 67.8 | 67.3 | 66.0 |
| Engineering | 72.5 | 71.2 | 69.3 | 67.4 | 67.3 | 65.7 | 64.4 | 63.8 | 62.7 |
| Aerospace engineering | 78.2 | 79.4 | 83.8 | 76.9 | 78.5 | 77.6 | 76.7 | 76.2 | 64.4 |
| Chemical engineering | 72.3 | 68.8 | 69.5 | 67.1 | 65.7 | 65.6 | 64.6 | 61.2 | 65.5 |
| Civil engineering | 77.6 | 78.3 | 76.7 | 76.6 | 74.5 | 74.3 | 75.1 | 72.9 | 73.9 |
| Electrical engineering | 64.2 | 60.9 | 58.5 | 56.7 | 57.2 | 55.3 | 53.3 | 53.7 | 51.8 |
| Industrial engineering | 72.6 | 70.2 | 66.1 | 64.8 | 64.4 | 62.5 | 60.0 | 56.3 | 57.0 |
| Materials engineering | 74.2 | 79.6 | 77.2 | 72.1 | 74.4 | 74.0 | 72.9 | 69.6 | 70.3 |
| Mechanical engineering | 75.6 | 74.9 | 73.7 | 70.1 | 71.5 | 72.3 | 70.0 | 71.8 | 69.8 |
| Other | 74.0 | 74.1 | 72.6 | 71.1 | 71.1 | 67.5 | 68.2 | 66.3 | 64.2 |
| Non-S&E | 78.4 | 77.7 | 75.0 | 73.3 | 71.8 | 70.4 | 68.5 | 68.6 | 67.8 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 4.8 | 5.3 | 5.3 | 5.4 | 5.4 | 5.5 | 5.6 | 5.8 | 5.7 |
| S&E | 8.6 | 9.2 | 9.9 | 9.8 | 9.5 | 10.0 | 10.3 | 10.2 | 9.7 |
| Sciences | 7.0 | 7.6 | 8.4 | 8.3 | 8.2 | 8.7 | 8.6 | 8.5 | 7.9 |
| Agricultural sciences | 3.2 | 2.5 | 2.8 | 3.0 | 3.6 | 2.9 | 3.1 | 3.1 | 2.4 |
| Biological sciences | 10.1 | 10.8 | 10.7 | 9.6 | 9.7 | 11.0 | 11.7 | 11.5 | 11.0 |
| Computer sciences | 20.3 | 22.7 | 25.5 | 23.9 | 22.5 | 22.5 | 21.1 | 21.2 | 18.4 |
| Earth, atmospheric, and ocean sciences | 2.5 | 2.5 | 1.9 | 2.4 | 3.1 | 2.2 | 3.0 | 2.2 | 2.1 |
| Atmospheric sciences | 2.8 | 7.2 | 3.4 | 4.3 | 6.2 | 3.1 | 3.7 | 1.9 | 2.6 |
| Earth sciences | 2.0 | 1.5 | 1.8 | 1.7 | 2.5 | 1.7 | 2.6 | 2.3 | 2.0 |
| Ocean sciences | 7.3 | 4.3 | 1.4 | 6.8 | 5.4 | 5.4 | 5.0 | 1.1 | 2.7 |
| Mathematics and statistics | 9.1 | 8.6 | 8.2 | 10.0 | 10.1 | 10.1 | 10.9 | 11.5 | 12.8 |
| Physical sciences | 10.2 | 9.3 | 10.1 | 8.8 | 8.7 | 9.2 | 7.4 | 8.9 | 7.6 |
| Astronomy | 2.7 | 4.9 | 6.3 | 7.7 | 5.2 | 7.4 | 5.9 | 5.7 | 1.7 |

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Chemistry | 13.1 | 11.9 | 13.1 | 11.0 | 9.9 | 12.1 | 9.2 | 11.9 | 9.8 |
| Physics | 7.8 | 6.8 | 7.0 | 6.9 | 8.0 | 6.7 | 5.9 | 6.5 | 6.5 |
| Other | 2.7 | 4.4 | 4.5 | 2.5 | 6.7 | 3.7 | 1.2 | 4.5 | 1.8 |
| Psychology | 2.8 | 3.0 | 3.6 | 3.6 | 3.9 | 3.8 | 3.9 | 3.8 | 4.0 |
| Social sciences | 4.8 | 5.0 | 5.1 | 5.2 | 5.1 | 5.6 | 5.6 | 6.0 | 5.8 |
| Anthropology | 2.5 | 3.6 | 4.5 | 3.9 | 3.7 | 4.4 | 4.3 | 4.3 | 3.7 |
| Area and ethnic studies | 6.5 | 6.2 | 6.0 | 7.8 | 7.2 | 8.0 | 6.8 | 7.7 | 7.1 |
| Economics | 10.6 | 8.8 | 10.9 | 9.6 | 10.0 | 11.7 | 10.5 | 10.4 | 11.6 |
| History of science | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 11.1 | 13.6 | 4.3 | 3.1 |
| Linguistics | 7.8 | 9.8 | 11.1 | 10.9 | 7.4 | 9.1 | 9.3 | 9.7 | 9.6 |
| Political science and public administration | 4.2 | 4.8 | 4.6 | 4.9 | 4.6 | 5.0 | 5.3 | 5.7 | 5.5 |
| Sociology | 4.4 | 4.4 | 3.6 | 4.0 | 4.9 | 5.4 | 5.8 | 5.8 | 5.0 |
| Other | 4.2 | 3.4 | 4.4 | 3.8 | 3.7 | 3.5 | 3.8 | 4.3 | 4.0 |
| Engineering | 13.5 | 14.4 | 15.0 | 15.6 | 14.2 | 15.0 | 16.4 | 16.1 | 16.4 |
| Aerospace engineering | 9.5 | 9.4 | 7.7 | 10.3 | 7.3 | 9.4 | 8.8 | 8.4 | 7.7 |
| Chemical engineering | 11.6 | 15.8 | 15.8 | 16.5 | 14.5 | 14.6 | 19.2 | 14.3 | 15.0 |
| Civil engineering | 10.5 | 9.3 | 9.3 | 7.9 | 7.9 | 9.0 | 9.1 | 9.7 | 9.0 |
| Electrical engineering | 21.4 | 24.3 | 25.1 | 25.9 | 22.8 | 23.8 | 26.9 | 26.4 | 26.3 |
| Industrial engineering | 8.2 | 9.0 | 10.3 | 10.6 | 9.7 | 13.2 | 12.5 | 15.2 | 15.0 |
| Materials engineering | 13.1 | 11.2 | 11.2 | 13.4 | 11.1 | 13.9 | 12.7 | 14.2 | 14.5 |
| Mechanical engineering | 11.3 | 11.5 | 12.0 | 16.1 | 14.2 | 11.7 | 13.2 | 11.5 | 12.7 |
| Other | 12.1 | 12.7 | 12.8 | 12.6 | 12.6 | 12.4 | 12.7 | 13.2 | 15.3 |
| Non-S&E | 3.9 | 4.3 | 4.4 | 4.5 | 4.6 | 4.6 | 4.6 | 4.9 | 4.9 |
| Black | | | | | | | | | |
| All fields | 7.3 | 7.5 | 8.3 | 8.6 | 8.7 | 9.0 | 9.2 | 9.5 | 9.7 |
| S&E | 6.7 | 6.9 | 7.7 | 8.5 | 8.6 | 9.0 | 9.0 | 8.8 | 8.8 |
| Sciences | 7.6 | 7.7 | 8.8 | 9.7 | 9.6 | 10.1 | 10.2 | 10.0 | 10.0 |
| Agricultural sciences | 2.9 | 2.9 | 2.5 | 2.9 | 2.5 | 3.0 | 2.9 | 2.4 | 2.7 |
| Biological sciences | 4.2 | 3.5 | 4.0 | 5.6 | 5.2 | 5.1 | 5.9 | 5.4 | 5.5 |
| Computer sciences | 6.3 | 6.1 | 7.3 | 7.6 | 7.4 | 8.7 | 8.2 | 7.2 | 7.7 |
| Earth, atmospheric, and ocean sciences | 1.0 | 1.2 | 0.6 | 1.8 | 1.5 | 1.4 | 1.7 | 1.3 | 2.2 |
| Atmospheric sciences | 1.4 | 1.3 | 0.0 | 3.4 | 1.8 | 1.6 | 2.2 | 2.4 | 4.6 |
| Earth sciences | 1.0 | 1.3 | 0.6 | 1.5 | 1.5 | 1.2 | 1.5 | 1.1 | 1.8 |
| Ocean sciences | 0.0 | 0.0 | 1.4 | 2.3 | 1.1 | 2.7 | 2.5 | 1.1 | 1.8 |
| Mathematics and statistics | 5.9 | 5.7 | 4.5 | 5.5 | 5.3 | 4.5 | 4.6 | 4.8 | 5.0 |
| Physical sciences | 4.8 | 4.9 | 4.9 | 5.2 | 5.0 | 4.5 | 4.5 | 3.7 | 5.3 |
| Astronomy | 2.7 | 0.0 | 0.0 | 0.0 | 2.6 | 1.1 | 1.0 | 1.6 | 2.6 |
| Chemistry | 5.6 | 5.5 | 5.0 | 5.9 | 5.9 | 5.9 | 6.3 | 4.3 | 6.7 |
| Physics | 4.2 | 3.9 | 5.8 | 5.1 | 4.5 | 3.8 | 2.7 | 3.4 | 4.4 |
| Other | 3.2 | 6.7 | 3.6 | 3.0 | 3.0 | 1.5 | 3.0 | 2.8 | 3.0 |
| Psychology | 8.0 | 8.0 | 10.2 | 11.5 | 12.0 | 13.0 | 13.1 | 13.8 | 12.2 |
| Social sciences | 10.6 | 11.1 | 12.4 | 13.2 | 13.1 | 13.3 | 13.5 | 13.0 | 13.3 |
| Anthropology | 2.8 | 2.6 | 3.8 | 3.7 | 3.5 | 3.4 | 3.1 | 2.9 | 3.0 |
| Area and ethnic studies | 7.8 | 7.8 | 7.0 | 6.7 | 8.5 | 9.6 | 9.3 | 9.3 | 7.7 |
| Economics | 6.6 | 6.5 | 5.9 | 5.6 | 6.4 | 5.0 | 4.7 | 5.4 | 5.6 |
| History of science | 6.3 | 0.0 | 0.0 | 4.8 | 6.1 | 0.0 | 0.0 | 0.0 | 3.1 |
| Linguistics | 2.5 | 2.9 | 1.1 | 3.6 | 1.4 | 2.0 | 0.8 | 2.1 | 2.9 |
| Political science and public administration | 12.0 | 13.0 | 14.3 | 16.0 | 15.6 | 15.6 | 15.3 | 15.0 | 15.5 |
| Sociology | 15.6 | 13.6 | 18.6 | 16.9 | 16.1 | 15.7 | 16.4 | 15.2 | 14.3 |
| Other | 9.4 | 10.3 | 10.2 | 10.1 | 10.9 | 12.5 | 14.7 | 13.5 | 14.7 |
| Engineering | 3.9 | 4.2 | 4.1 | 4.5 | 4.8 | 5.1 | 4.7 | 4.5 | 4.6 |
| Aerospace engineering | 2.0 | 1.9 | 2.1 | 2.8 | 3.5 | 1.8 | 1.9 | 2.9 | 3.0 |

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Chemical engineering | 4.7 | 5.5 | 4.7 | 4.7 | 4.7 | 6.5 | 4.4 | 7.6 | 5.0 |
| Civil engineering | 3.0 | 3.6 | 3.1 | 3.7 | 3.9 | 3.6 | 2.7 | 3.2 | 2.9 |
| Electrical engineering | 3.9 | 4.4 | 4.3 | 4.7 | 4.7 | 5.1 | 4.5 | 4.4 | 4.5 |
| Industrial engineering | 4.8 | 5.5 | 4.8 | 6.0 | 7.3 | 7.6 | 7.5 | 7.0 | 8.1 |
| Materials engineering | 3.8 | 2.9 | 3.1 | 2.2 | 4.9 | 3.7 | 5.0 | 4.2 | 2.8 |
| Mechanical engineering | 4.2 | 4.0 | 4.1 | 4.0 | 3.2 | 3.5 | 3.2 | 2.9 | 3.1 |
| Other | 4.3 | 4.0 | 4.8 | 4.8 | 5.3 | 5.9 | 6.1 | 5.4 | 5.7 |
| Non-S&E | 7.4 | 7.7 | 8.4 | 8.7 | 8.8 | 9.0 | 9.3 | 9.6 | 9.9 |
| Hispanic | | | | | | | | | |
| All fields | 4.4 | 4.6 | 5.2 | 5.5 | 5.5 | 5.7 | 6.1 | 6.4 | 6.5 |
| S&E | 4.5 | 4.9 | 5.3 | 5.7 | 5.7 | 5.8 | 6.1 | 6.2 | 6.3 |
| Sciences | 4.5 | 4.9 | 5.3 | 5.8 | 5.8 | 5.9 | 6.1 | 6.3 | 6.5 |
| Agricultural sciences | 3.2 | 3.6 | 4.0 | 3.7 | 4.9 | 3.8 | 4.8 | 5.2 | 5.6 |
| Biological sciences | 3.8 | 3.5 | 4.8 | 5.5 | 4.8 | 4.5 | 5.1 | 5.2 | 5.0 |
| Computer sciences | 3.2 | 3.1 | 3.6 | 5.1 | 3.7 | 5.5 | 5.5 | 4.5 | 4.8 |
| Earth, atmospheric, and ocean sciences | 1.9 | 1.6 | 2.6 | 2.4 | 2.9 | 2.2 | 2.7 | 3.3 | 3.7 |
| Atmospheric sciences | 2.1 | 1.3 | 1.7 | 0.0 | 0.9 | 1.6 | 1.5 | 1.5 | 2.1 |
| Earth sciences | 1.9 | 1.7 | 2.7 | 2.5 | 3.1 | 2.3 | 3.0 | 3.8 | 4.0 |
| Ocean sciences | 2.1 | 1.1 | 2.9 | 3.4 | 3.2 | 1.8 | 1.7 | 1.1 | 3.5 |
| Mathematics and statistics | 2.4 | 3.4 | 4.6 | 3.5 | 3.9 | 4.9 | 4.5 | 4.6 | 5.3 |
| Physical sciences | 4.2 | 4.8 | 4.0 | 4.8 | 5.6 | 5.7 | 4.8 | 5.3 | 5.9 |
| Astronomy | 2.7 | 0.0 | 2.5 | 1.5 | 2.6 | 2.1 | 2.9 | 1.6 | 5.1 |
| Chemistry | 4.8 | 5.8 | 4.3 | 5.3 | 5.7 | 6.9 | 5.1 | 6.5 | 7.7 |
| Physics | 3.8 | 4.0 | 4.5 | 4.6 | 6.8 | 4.8 | 4.4 | 4.6 | 4.7 |
| Other | 2.7 | 3.7 | 1.8 | 3.0 | 2.2 | 4.1 | 6.0 | 2.8 | 0.6 |
| Psychology | 5.4 | 6.2 | 6.3 | 6.8 | 7.0 | 6.9 | 7.4 | 7.9 | 8.1 |
| Social sciences | 5.1 | 5.7 | 6.0 | 6.4 | 6.6 | 6.6 | 6.6 | 6.9 | 7.0 |
| Anthropology | 3.6 | 4.7 | 4.3 | 4.5 | 6.4 | 5.0 | 5.8 | 6.0 | 5.6 |
| Area and ethnic studies | 6.5 | 7.2 | 8.2 | 8.8 | 9.5 | 11.0 | 8.6 | 10.4 | 10.3 |
| Economics | 4.9 | 4.4 | 5.5 | 4.5 | 4.8 | 5.9 | 5.4 | 6.3 | 5.6 |
| History of science | 6.3 | 0.0 | 0.0 | 4.8 | 0.0 | 5.6 | 0.0 | 0.0 | 0.0 |
| Linguistics | 5.1 | 6.4 | 4.7 | 6.9 | 5.4 | 6.5 | 6.5 | 6.2 | 9.3 |
| Political science and public administration | 5.5 | 5.8 | 6.3 | 6.7 | 6.7 | 6.7 | 6.8 | 6.9 | 6.8 |
| Sociology | 4.4 | 6.0 | 6.0 | 6.7 | 7.9 | 6.7 | 7.6 | 8.2 | 8.9 |
| Other | 3.4 | 5.0 | 4.1 | 5.0 | 4.9 | 4.5 | 5.2 | 5.7 | 6.5 |
| Engineering | 4.4 | 4.8 | 5.4 | 5.4 | 5.5 | 5.4 | 6.2 | 6.0 | 5.7 |
| Aerospace engineering | 4.5 | 4.3 | 3.8 | 3.1 | 4.8 | 3.1 | 3.6 | 5.9 | 3.3 |
| Chemical engineering | 6.8 | 5.9 | 5.4 | 5.5 | 6.8 | 5.9 | 5.7 | 5.5 | 6.7 |
| Civil engineering | 4.3 | 4.5 | 5.9 | 6.0 | 7.2 | 5.7 | 5.9 | 6.8 | 6.0 |
| Electrical engineering | 4.4 | 4.3 | 5.0 | 4.3 | 4.5 | 5.5 | 6.4 | 5.3 | 5.5 |
| Industrial engineering | 5.8 | 7.5 | 9.2 | 9.6 | 10.4 | 7.8 | 10.1 | 11.0 | 10.0 |
| Materials engineering | 4.7 | 3.4 | 3.1 | 5.4 | 4.1 | 1.6 | 3.8 | 5.8 | 3.9 |
| Mechanical engineering | 4.3 | 4.8 | 4.5 | 4.2 | 3.9 | 5.2 | 6.0 | 5.4 | 5.5 |
| Other | 3.3 | 3.9 | 4.1 | 4.6 | 3.6 | 4.2 | 4.6 | 4.2 | 4.0 |
| Non-S&E | 4.4 | 4.5 | 5.2 | 5.4 | 5.5 | 5.7 | 6.1 | 6.5 | 6.5 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| S&E | 0.5 | 0.5 | 0.5 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Sciences | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.7 | 0.6 | 0.7 |
| Agricultural sciences | 0.6 | 0.7 | 0.7 | 0.5 | 0.7 | 0.7 | 0.6 | 0.8 | 1.0 |
| Biological sciences | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.5 | 0.5 | 0.4 | 0.6 |

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Computer sciences | 0.4 | 0.2 | 0.4 | 0.8 | 0.4 | 0.4 | 0.5 | 0.3 | 0.5 |
| Earth, atmospheric, and ocean sciences | 0.4 | 0.8 | 0.8 | 0.9 | 0.3 | 0.7 | 0.5 | 0.8 | 0.3 |
| Atmospheric sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 |
| Earth sciences | 0.5 | 0.8 | 0.9 | 0.8 | 0.4 | 0.9 | 0.7 | 0.9 | 0.3 |
| Ocean sciences | 0.0 | 2.1 | 0.0 | 3.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Mathematics and statistics | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.4 |
| Physical sciences | 0.4 | 0.5 | 0.4 | 0.4 | 0.6 | 0.5 | 0.3 | 0.4 | 0.5 |
| Astronomy | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 0.0 | 0.8 | 0.0 |
| Chemistry | 0.5 | 0.8 | 0.4 | 0.5 | 0.9 | 0.4 | 0.2 | 0.5 | 0.6 |
| Physics | 0.2 | 0.2 | 0.4 | 0.2 | 0.5 | 0.6 | 0.5 | 0.3 | 0.2 |
| Other | 0.5 | 0.0 | 0.5 | 0.0 | 0.0 | 0.4 | 0.0 | 0.6 | 1.2 |
| Psychology | 0.7 | 0.9 | 0.5 | 0.8 | 0.7 | 0.8 | 0.7 | 0.7 | 0.7 |
| Social sciences | 0.6 | 0.6 | 0.7 | 0.9 | 0.8 | 0.8 | 0.9 | 0.7 | 0.8 |
| Anthropology | 1.0 | 1.4 | 1.6 | 1.7 | 1.3 | 1.1 | 1.9 | 1.4 | 2.0 |
| Area and ethnic studies | 1.5 | 1.1 | 1.2 | 1.6 | 1.6 | 2.6 | 2.0 | 1.9 | 1.6 |
| Economics | 0.5 | 0.3 | 0.2 | 0.6 | 0.8 | 0.4 | 0.4 | 0.6 | 0.2 |
| History of science | 0.0 | 0.0 | 0.0 | 4.8 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Linguistics | 0.4 | 0.5 | 0.3 | 0.3 | 1.1 | 0.3 | 0.5 | 1.4 | 0.4 |
| Political science and public administration | 0.5 | 0.4 | 0.6 | 0.6 | 0.7 | 0.6 | 0.9 | 0.6 | 0.7 |
| Sociology | 1.0 | 1.2 | 1.6 | 1.6 | 1.0 | 1.0 | 0.9 | 0.5 | 0.7 |
| Other | 0.4 | 0.6 | 0.7 | 0.8 | 0.5 | 0.3 | 0.6 | 0.4 | 0.7 |
| Engineering | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 |
| Aerospace engineering | 0.5 | 0.0 | 0.0 | 0.6 | 1.0 | 0.4 | 1.0 | 0.3 | 1.0 |
| Chemical engineering | 0.7 | 0.1 | 0.4 | 0.6 | 0.3 | 0.3 | 0.0 | 0.5 | 0.3 |
| Civil engineering | 0.3 | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 0.6 | 0.4 | 0.6 |
| Electrical engineering | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.2 | 0.4 | 0.3 |
| Industrial engineering | 0.3 | 0.3 | 0.4 | 0.8 | 0.4 | 0.4 | 0.8 | 0.8 | 0.4 |
| Materials engineering | 0.0 | 0.0 | 0.8 | 0.2 | 0.5 | 0.3 | 0.2 | 0.2 | 0.2 |
| Mechanical engineering | 0.4 | 0.5 | 0.3 | 0.3 | 0.3 | 0.4 | 0.8 | 0.2 | 0.4 |
| Other | 0.4 | 0.3 | 0.5 | 0.4 | 0.3 | 0.5 | 0.3 | 0.4 | 0.5 |
| Non-S&E | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 5.4 | 5.2 | 6.4 | 7.6 | 8.7 | 9.6 | 10.5 | 9.8 | 10.3 |
| S&E | 5.3 | 5.2 | 6.3 | 7.1 | 8.0 | 8.5 | 8.6 | 9.5 | 10.2 |
| Sciences | 5.2 | 5.2 | 6.4 | 7.2 | 8.1 | 8.4 | 8.8 | 9.6 | 10.2 |
| Agricultural sciences | 4.2 | 3.7 | 4.3 | 5.0 | 4.9 | 5.3 | 6.0 | 6.6 | 7.0 |
| Biological sciences | 4.0 | 4.8 | 5.1 | 5.3 | 5.8 | 5.9 | 6.2 | 6.8 | 7.2 |
| Computer sciences | 6.8 | 6.4 | 7.6 | 9.8 | 12.7 | 12.5 | 13.2 | 13.1 | 13.6 |
| Earth, atmospheric, and ocean sciences | 3.7 | 3.0 | 4.0 | 5.0 | 4.0 | 6.0 | 4.9 | 6.2 | 6.7 |
| Atmospheric sciences | 4.2 | 2.6 | 0.8 | 6.9 | 4.4 | 2.3 | 3.7 | 3.9 | 3.1 |
| Earth sciences | 3.5 | 3.1 | 4.5 | 4.7 | 3.6 | 6.5 | 5.1 | 6.8 | 7.3 |
| Ocean sciences | 4.2 | 3.2 | 2.9 | 6.8 | 7.5 | 5.4 | 4.2 | 4.3 | 7.1 |
| Mathematics and statistics | 5.1 | 6.1 | 6.5 | 6.6 | 6.7 | 6.2 | 8.2 | 8.5 | 8.1 |
| Physical sciences | 4.0 | 5.0 | 5.7 | 5.8 | 6.9 | 6.6 | 7.1 | 8.1 | 7.3 |
| Astronomy | 1.4 | 6.1 | 10.0 | 18.5 | 13.0 | 17.0 | 15.7 | 9.8 | 7.7 |
| Chemistry | 4.8 | 4.9 | 6.3 | 5.8 | 8.1 | 4.9 | 6.1 | 8.1 | 6.2 |
| Physics | 3.5 | 6.2 | 5.5 | 5.6 | 6.4 | 8.7 | 8.3 | 9.1 | 9.1 |
| Other | 1.4 | 1.5 | 1.8 | 3.8 | 1.5 | 4.1 | 2.4 | 0.6 | 2.4 |
| Psychology | 4.1 | 4.5 | 6.6 | 6.7 | 7.7 | 7.7 | 7.5 | 8.1 | 8.8 |
| Social sciences | 6.3 | 5.6 | 6.8 | 7.6 | 8.1 | 8.8 | 9.3 | 10.7 | 11.8 |
| Anthropology | 5.6 | 4.8 | 6.4 | 6.6 | 8.3 | 8.6 | 7.3 | 10.2 | 11.8 |

TABLE E-4. Racial/ethnic distribution of S&E master's degrees awarded to U.S. citizens and permanent residents, by field: 1997–2006
(Percent)

| Field and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|------|
| Area and ethnic studies | 6.7 | 6.3 | 8.5 | 13.4 | 12.5 | 11.9 | 11.9 | 14.7 | 20.1 |
| Economics | 5.4 | 5.8 | 8.0 | 7.9 | 8.6 | 15.0 | 16.9 | 15.5 | 16.7 |
| History of science | 12.5 | 0.0 | 9.1 | 0.0 | 15.2 | 11.1 | 9.1 | 8.7 | 3.1 |
| Linguistics | 7.2 | 4.5 | 5.3 | 6.3 | 7.7 | 9.1 | 10.1 | 9.5 | 11.6 |
| Political science and public administration | 6.8 | 6.4 | 7.4 | 7.7 | 8.5 | 8.8 | 9.4 | 10.6 | 11.6 |
| Sociology | 3.1 | 3.0 | 2.2 | 3.3 | 3.1 | 3.7 | 3.7 | 6.7 | 6.7 |
| Other | 6.2 | 4.0 | 6.5 | 7.4 | 7.1 | 7.3 | 7.8 | 8.7 | 8.1 |
| Engineering | 5.4 | 5.1 | 5.9 | 6.7 | 7.8 | 8.5 | 7.8 | 9.1 | 10.1 |
| Aerospace engineering | 5.2 | 5.1 | 2.7 | 6.4 | 4.8 | 7.6 | 7.9 | 6.3 | 20.6 |
| Chemical engineering | 3.9 | 3.8 | 4.2 | 5.6 | 8.0 | 7.0 | 6.1 | 10.8 | 7.5 |
| Civil engineering | 4.3 | 4.0 | 4.6 | 5.4 | 6.1 | 7.0 | 6.6 | 7.0 | 7.7 |
| Electrical engineering | 6.0 | 5.9 | 6.8 | 8.1 | 10.6 | 9.9 | 8.6 | 9.9 | 11.6 |
| Industrial engineering | 8.3 | 7.5 | 9.2 | 8.2 | 7.8 | 8.5 | 9.0 | 9.7 | 9.5 |
| Materials engineering | 4.2 | 2.9 | 4.6 | 6.6 | 4.9 | 6.6 | 5.3 | 6.0 | 8.3 |
| Mechanical engineering | 4.2 | 4.3 | 5.4 | 5.3 | 6.8 | 6.9 | 6.8 | 8.3 | 8.5 |
| Other | 5.9 | 4.9 | 5.3 | 6.6 | 7.1 | 9.5 | 8.1 | 10.4 | 10.3 |
| Non-S&E | 5.4 | 5.2 | 6.5 | 7.7 | 8.8 | 9.8 | 10.9 | 9.9 | 10.3 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 239,497 | 246,810 | 265,026 | 273,639 | 283,035 | 300,845 | 328,202 | 337,818 | 351,877 |
| S&E | 38,262 | 38,583 | 41,470 | 43,393 | 43,472 | 46,711 | 51,672 | 53,051 | 54,075 |
| Sciences | 33,567 | 33,420 | 36,130 | 37,765 | 37,898 | 40,527 | 44,537 | 45,444 | 46,563 |
| Agricultural sciences | 1,695 | 1,709 | 1,819 | 1,837 | 1,997 | 2,059 | 2,256 | 2,220 | 2,148 |
| Biological sciences | 3,518 | 3,354 | 3,510 | 3,755 | 3,669 | 4,018 | 4,487 | 4,870 | 5,075 |
| Computer sciences | 2,979 | 3,414 | 4,868 | 5,508 | 5,499 | 6,091 | 6,195 | 5,078 | 4,437 |
| Earth, atmospheric, and ocean sciences | 487 | 494 | 513 | 564 | 572 | 612 | 701 | 712 | 768 |
| Atmospheric sciences | 42 | 52 | 37 | 40 | 46 | 55 | 67 | 70 | 76 |
| Earth sciences | 393 | 397 | 434 | 472 | 473 | 501 | 566 | 577 | 612 |
| Ocean sciences | 52 | 45 | 42 | 52 | 53 | 56 | 68 | 65 | 80 |
| Mathematics and statistics | 1,489 | 1,470 | 1,498 | 1,389 | 1,471 | 1,677 | 1,950 | 2,011 | 2,085 |
| Physical sciences | 1,333 | 1,440 | 1,215 | 1,301 | 1,326 | 1,324 | 1,513 | 1,529 | 1,627 |
| Astronomy | 32 | 30 | 25 | 36 | 27 | 42 | 53 | 62 | 66 |
| Chemistry | 927 | 998 | 823 | 825 | 852 | 829 | 950 | 939 | 1,024 |
| Physics | 255 | 255 | 244 | 286 | 286 | 313 | 413 | 427 | 441 |
| Other | 119 | 157 | 123 | 154 | 161 | 140 | 97 | 101 | 96 |
| Psychology | 9,918 | 9,540 | 10,293 | 10,858 | 10,672 | 11,100 | 11,950 | 12,632 | 13,237 |
| Social sciences | 12,148 | 11,999 | 12,414 | 12,553 | 12,692 | 13,646 | 15,485 | 16,392 | 17,186 |
| Anthropology | 712 | 686 | 587 | 689 | 642 | 655 | 721 | 737 | 761 |
| Area and ethnic studies | 845 | 842 | 879 | 896 | 879 | 888 | 961 | 988 | 1,230 |
| Economics | 953 | 944 | 952 | 973 | 1,050 | 1,161 | 1,252 | 1,391 | 1,321 |
| History of science | 7 | 7 | 6 | 10 | 17 | 10 | 14 | 12 | 11 |
| Linguistics | 418 | 389 | 407 | 380 | 360 | 380 | 410 | 433 | 450 |
| Political science and public administration | 6,691 | 6,566 | 6,720 | 6,841 | 6,978 | 7,723 | 8,828 | 9,756 | 10,119 |
| Sociology | 1,142 | 1,118 | 1,387 | 1,258 | 1,315 | 1,296 | 1,358 | 1,033 | 1,110 |
| Other | 1,380 | 1,447 | 1,476 | 1,506 | 1,451 | 1,533 | 1,941 | 2,042 | 2,184 |
| Engineering | 4,695 | 5,163 | 5,340 | 5,628 | 5,574 | 6,184 | 7,135 | 7,607 | 7,512 |
| Aerospace engineering | 75 | 81 | 76 | 90 | 125 | 107 | 149 | 164 | 167 |
| Chemical engineering | 332 | 344 | 344 | 352 | 335 | 343 | 417 | 425 | 386 |
| Civil engineering | 1,099 | 1,154 | 1,075 | 1,061 | 1,063 | 1,148 | 1,211 | 1,322 | 1,347 |
| Electrical engineering | 1,144 | 1,376 | 1,558 | 1,673 | 1,561 | 1,902 | 2,385 | 2,470 | 2,215 |
| Industrial engineering | 604 | 676 | 648 | 789 | 795 | 844 | 906 | 919 | 921 |
| Materials engineering | 174 | 170 | 201 | 173 | 171 | 183 | 199 | 204 | 201 |
| Mechanical engineering | 419 | 461 | 455 | 448 | 468 | 459 | 563 | 598 | 635 |
| Other | 848 | 901 | 983 | 1,042 | 1,056 | 1,198 | 1,305 | 1,505 | 1,640 |
| Non-S&E | 201,235 | 208,227 | 223,556 | 230,246 | 239,563 | 254,134 | 276,530 | 284,767 | 297,802 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 220,221 | 226,085 | 242,244 | 248,590 | 256,938 | 272,030 | 298,321 | 307,845 | 322,079 |
| S&E | 31,983 | 31,669 | 33,169 | 34,334 | 34,383 | 36,238 | 40,335 | 42,036 | 43,742 |
| Sciences | 28,737 | 28,229 | 29,856 | 30,961 | 30,941 | 32,702 | 36,357 | 37,743 | 39,356 |
| Agricultural sciences | 1,448 | 1,466 | 1,601 | 1,611 | 1,751 | 1,804 | 1,932 | 1,931 | 1,895 |
| Biological sciences | 3,010 | 2,850 | 3,051 | 3,248 | 3,177 | 3,431 | 3,829 | 4,125 | 4,269 |
| Computer sciences | 1,867 | 2,020 | 2,546 | 2,774 | 2,871 | 3,124 | 3,461 | 2,853 | 2,601 |
| Earth, atmospheric, and ocean sciences | 421 | 443 | 456 | 495 | 497 | 544 | 603 | 614 | 671 |
| Atmospheric sciences | 32 | 37 | 22 | 28 | 33 | 38 | 50 | 52 | 61 |
| Earth sciences | 341 | 364 | 396 | 420 | 419 | 453 | 496 | 506 | 538 |
| Ocean sciences | 48 | 42 | 38 | 47 | 45 | 53 | 57 | 56 | 72 |
| Mathematics and statistics | 1,142 | 1,100 | 1,011 | 888 | 936 | 966 | 1,103 | 1,211 | 1,342 |
| Physical sciences | 894 | 972 | 832 | 893 | 913 | 944 | 1,021 | 1,058 | 1,084 |
| Astronomy | 28 | 27 | 20 | 28 | 21 | 33 | 38 | 55 | 58 |
| Chemistry | 602 | 646 | 551 | 559 | 567 | 593 | 635 | 639 | 664 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Physics | 158 | 151 | 151 | 163 | 173 | 181 | 260 | 272 | 276 |
| Other | 106 | 148 | 110 | 143 | 152 | 137 | 88 | 92 | 86 |
| Psychology | 9,641 | 9,193 | 9,947 | 10,521 | 10,325 | 10,585 | 11,488 | 12,147 | 12,762 |
| Social sciences | 10,314 | 10,185 | 10,412 | 10,531 | 10,471 | 11,304 | 12,920 | 13,804 | 14,732 |
| Anthropology | 658 | 634 | 530 | 628 | 582 | 615 | 652 | 694 | 706 |
| Area and ethnic studies | 731 | 734 | 736 | 756 | 728 | 738 | 812 | 834 | 1,070 |
| Economics | 486 | 454 | 439 | 434 | 458 | 497 | 557 | 676 | 649 |
| History of science | 7 | 6 | 4 | 7 | 16 | 8 | 11 | 8 | 8 |
| Linguistics | 312 | 293 | 273 | 272 | 244 | 255 | 282 | 299 | 327 |
| Political science and public administration | 5,817 | 5,687 | 5,837 | 5,925 | 5,975 | 6,640 | 7,623 | 8,499 | 8,954 |
| Sociology | 1,035 | 1,044 | 1,252 | 1,165 | 1,180 | 1,162 | 1,211 | 920 | 1,004 |
| Other | 1,268 | 1,333 | 1,341 | 1,344 | 1,288 | 1,389 | 1,772 | 1,874 | 2,014 |
| Engineering | 3,246 | 3,440 | 3,313 | 3,373 | 3,442 | 3,536 | 3,978 | 4,293 | 4,386 |
| Aerospace engineering | 60 | 58 | 51 | 60 | 78 | 67 | 114 | 119 | 127 |
| Chemical engineering | 200 | 219 | 201 | 208 | 192 | 190 | 219 | 226 | 216 |
| Civil engineering | 877 | 898 | 819 | 787 | 758 | 787 | 835 | 914 | 924 |
| Electrical engineering | 614 | 688 | 690 | 642 | 715 | 720 | 874 | 868 | 832 |
| Industrial engineering | 431 | 470 | 402 | 507 | 501 | 519 | 580 | 614 | 600 |
| Materials engineering | 113 | 110 | 130 | 105 | 110 | 106 | 115 | 128 | 127 |
| Mechanical engineering | 321 | 345 | 299 | 311 | 323 | 287 | 364 | 389 | 419 |
| Other | 630 | 652 | 721 | 753 | 765 | 860 | 877 | 1,035 | 1,141 |
| Non-S&E | 188,238 | 194,416 | 209,075 | 214,256 | 222,555 | 235,792 | 257,986 | 265,809 | 278,337 |
| White | | | | | | | | | |
| All fields | 170,411 | 173,498 | 179,311 | 179,684 | 182,078 | 188,555 | 201,469 | 207,943 | 215,429 |
| S&E | 23,213 | 22,717 | 22,749 | 22,792 | 22,558 | 23,336 | 25,546 | 26,385 | 27,336 |
| Sciences | 21,108 | 20,496 | 20,712 | 20,751 | 20,462 | 21,265 | 23,284 | 23,993 | 24,872 |
| Agricultural sciences | 1,211 | 1,251 | 1,350 | 1,328 | 1,453 | 1,483 | 1,580 | 1,542 | 1,508 |
| Biological sciences | 2,275 | 2,196 | 2,278 | 2,381 | 2,324 | 2,471 | 2,709 | 2,889 | 2,995 |
| Computer sciences | 965 | 1,027 | 1,162 | 1,163 | 1,255 | 1,308 | 1,396 | 1,254 | 1,162 |
| Earth, atmospheric, and ocean sciences | 378 | 391 | 410 | 422 | 439 | 473 | 521 | 523 | 563 |
| Atmospheric sciences | 25 | 27 | 20 | 23 | 27 | 33 | 43 | 46 | 52 |
| Earth sciences | 309 | 329 | 355 | 365 | 371 | 394 | 429 | 426 | 450 |
| Ocean sciences | 44 | 35 | 35 | 34 | 41 | 46 | 49 | 51 | 61 |
| Mathematics and statistics | 860 | 815 | 753 | 652 | 683 | 713 | 775 | 829 | 910 |
| Physical sciences | 623 | 694 | 597 | 645 | 628 | 673 | 738 | 763 | 768 |
| Astronomy | 25 | 25 | 17 | 22 | 16 | 23 | 24 | 44 | 50 |
| Chemistry | 391 | 431 | 367 | 375 | 366 | 396 | 442 | 432 | 432 |
| Physics | 112 | 117 | 117 | 126 | 114 | 134 | 196 | 206 | 207 |
| Other | 95 | 121 | 96 | 122 | 132 | 120 | 76 | 81 | 79 |
| Psychology | 7,557 | 7,049 | 7,240 | 7,343 | 7,019 | 7,097 | 7,670 | 7,920 | 8,336 |
| Social sciences | 7,239 | 7,073 | 6,922 | 6,817 | 6,661 | 7,047 | 7,895 | 8,273 | 8,630 |
| Anthropology | 553 | 523 | 413 | 493 | 438 | 472 | 491 | 520 | 525 |
| Area and ethnic studies | 508 | 507 | 490 | 451 | 424 | 387 | 481 | 448 | 540 |
| Economics | 332 | 318 | 289 | 314 | 324 | 285 | 324 | 389 | 367 |
| History of science | 5 | 6 | 4 | 7 | 10 | 4 | 7 | 6 | 7 |
| Linguistics | 232 | 217 | 210 | 194 | 188 | 186 | 205 | 206 | 224 |
| Political science and public administration | 3,893 | 3,745 | 3,702 | 3,620 | 3,588 | 3,963 | 4,456 | 4,921 | 5,086 |
| Sociology | 757 | 753 | 851 | 788 | 800 | 794 | 790 | 586 | 639 |
| Other | 959 | 1,004 | 963 | 950 | 889 | 956 | 1,141 | 1,197 | 1,242 |
| Engineering | 2,105 | 2,221 | 2,037 | 2,041 | 2,096 | 2,071 | 2,262 | 2,392 | 2,464 |
| Aerospace engineering | 42 | 46 | 39 | 39 | 59 | 58 | 83 | 92 | 83 |
| Chemical engineering | 123 | 131 | 127 | 113 | 107 | 113 | 125 | 124 | 108 |
| Civil engineering | 648 | 672 | 593 | 564 | 545 | 543 | 584 | 614 | 649 |
| Electrical engineering | 307 | 299 | 285 | 276 | 314 | 289 | 313 | 278 | 269 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Industrial engineering | 280 | 310 | 233 | 284 | 282 | 281 | 323 | 296 | 311 |
| Materials engineering | 74 | 75 | 89 | 75 | 74 | 72 | 69 | 81 | 88 |
| Mechanical engineering | 214 | 235 | 204 | 199 | 217 | 183 | 239 | 267 | 268 |
| Other | 417 | 453 | 467 | 491 | 498 | 532 | 526 | 640 | 688 |
| Non-S&E | 147,198 | 150,781 | 156,562 | 156,892 | 159,520 | 165,219 | 175,923 | 181,558 | 188,093 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 9,327 | 10,298 | 11,307 | 11,802 | 12,292 | 13,251 | 14,639 | 15,713 | 16,031 |
| S&E | 2,575 | 2,678 | 3,045 | 3,033 | 3,001 | 3,318 | 3,735 | 3,948 | 3,819 |
| Sciences | 2,014 | 2,050 | 2,385 | 2,406 | 2,425 | 2,651 | 2,932 | 3,030 | 2,872 |
| Agricultural sciences | 72 | 40 | 58 | 63 | 84 | 63 | 68 | 76 | 51 |
| Biological sciences | 324 | 294 | 304 | 305 | 304 | 371 | 429 | 438 | 474 |
| Computer sciences | 530 | 629 | 860 | 860 | 812 | 877 | 939 | 830 | 635 |
| Earth, atmospheric, and ocean sciences | 15 | 18 | 10 | 12 | 16 | 15 | 20 | 17 | 16 |
| Atmospheric sciences | 2 | 6 | 2 | 1 | 4 | 1 | 2 | 2 | 2 |
| Earth sciences | 12 | 9 | 8 | 8 | 10 | 12 | 15 | 14 | 13 |
| Ocean sciences | 1 | 3 | 0 | 3 | 2 | 2 | 3 | 1 | 1 |
| Mathematics and statistics | 116 | 105 | 94 | 104 | 99 | 107 | 147 | 174 | 190 |
| Physical sciences | 125 | 110 | 98 | 94 | 98 | 100 | 84 | 106 | 105 |
| Astronomy | 0 | 1 | 2 | 2 | 2 | 2 | 4 | 4 | 1 |
| Chemistry | 106 | 93 | 79 | 77 | 71 | 79 | 57 | 77 | 82 |
| Physics | 17 | 11 | 12 | 10 | 17 | 13 | 22 | 20 | 21 |
| Other | 2 | 5 | 5 | 5 | 8 | 6 | 1 | 5 | 1 |
| Psychology | 279 | 289 | 365 | 372 | 411 | 418 | 446 | 455 | 506 |
| Social sciences | 553 | 565 | 596 | 596 | 601 | 700 | 799 | 934 | 895 |
| Anthropology | 15 | 23 | 28 | 29 | 28 | 25 | 33 | 30 | 27 |
| Area and ethnic studies | 56 | 54 | 53 | 62 | 56 | 74 | 61 | 80 | 87 |
| Economics | 69 | 49 | 67 | 40 | 51 | 71 | 71 | 103 | 97 |
| History of science | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 |
| Linguistics | 27 | 33 | 31 | 34 | 21 | 26 | 27 | 31 | 31 |
| Political science and public administration | 278 | 309 | 304 | 327 | 328 | 374 | 443 | 548 | 515 |
| Sociology | 48 | 44 | 45 | 41 | 60 | 72 | 83 | 54 | 45 |
| Other | 60 | 53 | 68 | 63 | 55 | 56 | 78 | 88 | 93 |
| Engineering | 561 | 628 | 660 | 627 | 576 | 667 | 803 | 918 | 947 |
| Aerospace engineering | 7 | 4 | 7 | 8 | 6 | 3 | 11 | 10 | 19 |
| Chemical engineering | 28 | 42 | 34 | 46 | 38 | 32 | 50 | 31 | 54 |
| Civil engineering | 123 | 105 | 99 | 84 | 76 | 90 | 97 | 119 | 111 |
| Electrical engineering | 195 | 264 | 277 | 239 | 210 | 263 | 349 | 394 | 364 |
| Industrial engineering | 43 | 39 | 45 | 66 | 56 | 73 | 73 | 118 | 91 |
| Materials engineering | 20 | 21 | 21 | 17 | 16 | 21 | 24 | 18 | 19 |
| Mechanical engineering | 50 | 50 | 42 | 46 | 56 | 47 | 52 | 55 | 62 |
| Other | 95 | 103 | 135 | 121 | 118 | 138 | 147 | 173 | 227 |
| Non-S&E | 6,752 | 7,620 | 8,262 | 8,769 | 9,291 | 9,933 | 10,904 | 11,765 | 12,212 |
| Black | | | | | | | | | |
| All fields | 18,504 | 19,509 | 22,996 | 24,658 | 26,011 | 28,314 | 31,789 | 33,687 | 36,117 |
| S&E | 2,887 | 2,828 | 3,294 | 3,855 | 3,855 | 4,247 | 4,808 | 4,916 | 5,059 |
| Sciences | 2,662 | 2,584 | 3,087 | 3,609 | 3,590 | 3,966 | 4,524 | 4,634 | 4,779 |
| Agricultural sciences | 40 | 59 | 47 | 51 | 49 | 65 | 59 | 59 | 61 |
| Biological sciences | 167 | 122 | 150 | 221 | 200 | 190 | 270 | 279 | 279 |
| Computer sciences | 182 | 162 | 255 | 309 | 294 | 364 | 405 | 288 | 315 |
| Earth, atmospheric, and ocean sciences | 5 | 5 | 5 | 10 | 6 | 9 | 12 | 7 | 21 |
| Atmospheric sciences | 1 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 6 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Earth sciences | 4 | 4 | 4 | 8 | 6 | 9 | 8 | 5 | 13 |
| Ocean sciences | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 1 | 2 |
| Mathematics and statistics | 79 | 77 | 52 | 48 | 64 | 49 | 52 | 60 | 78 |
| Physical sciences | 65 | 60 | 54 | 59 | 65 | 52 | 67 | 54 | 72 |
| Astronomy | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 3 |
| Chemistry | 45 | 37 | 40 | 42 | 47 | 40 | 54 | 38 | 49 |
| Physics | 13 | 10 | 9 | 13 | 12 | 9 | 10 | 11 | 17 |
| Other | 6 | 13 | 5 | 4 | 6 | 2 | 3 | 3 | 3 |
| Psychology | 814 | 766 | 1,035 | 1,297 | 1,288 | 1,457 | 1,566 | 1,760 | 1,643 |
| Social sciences | 1,310 | 1,333 | 1,489 | 1,614 | 1,624 | 1,780 | 2,093 | 2,127 | 2,310 |
| Anthropology | 19 | 19 | 24 | 31 | 24 | 27 | 23 | 25 | 22 |
| Area and ethnic studies | 68 | 62 | 57 | 61 | 76 | 83 | 83 | 87 | 93 |
| Economics | 36 | 39 | 23 | 25 | 28 | 28 | 34 | 35 | 38 |
| History of science | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Linguistics | 9 | 11 | 3 | 7 | 4 | 5 | 2 | 6 | 10 |
| Political science and public administration | 882 | 903 | 988 | 1,128 | 1,131 | 1,264 | 1,447 | 1,509 | 1,645 |
| Sociology | 154 | 142 | 234 | 193 | 188 | 173 | 203 | 150 | 153 |
| Other | 141 | 157 | 160 | 169 | 172 | 200 | 301 | 315 | 348 |
| Engineering | 225 | 244 | 207 | 246 | 265 | 281 | 284 | 282 | 280 |
| Aerospace engineering | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 3 |
| Chemical engineering | 23 | 19 | 15 | 19 | 12 | 20 | 14 | 24 | 12 |
| Civil engineering | 40 | 45 | 34 | 41 | 38 | 43 | 29 | 37 | 28 |
| Electrical engineering | 47 | 53 | 40 | 49 | 50 | 45 | 58 | 46 | 49 |
| Industrial engineering | 39 | 48 | 41 | 50 | 64 | 71 | 66 | 66 | 72 |
| Materials engineering | 5 | 7 | 6 | 2 | 12 | 7 | 11 | 9 | 4 |
| Mechanical engineering | 21 | 28 | 19 | 26 | 17 | 19 | 19 | 15 | 16 |
| Other | 50 | 43 | 52 | 57 | 72 | 76 | 86 | 83 | 96 |
| Non-S&E | 15,617 | 16,681 | 19,702 | 20,803 | 22,156 | 24,067 | 26,981 | 28,771 | 31,058 |
| Hispanic | | | | | | | | | |
| All fields | 9,894 | 10,568 | 12,799 | 13,925 | 14,736 | 16,140 | 19,066 | 20,841 | 21,983 |
| S&E | 1,502 | 1,667 | 1,836 | 2,119 | 2,116 | 2,269 | 2,659 | 2,839 | 3,069 |
| Sciences | 1,326 | 1,489 | 1,635 | 1,898 | 1,864 | 2,043 | 2,349 | 2,524 | 2,788 |
| Agricultural sciences | 54 | 58 | 74 | 74 | 85 | 87 | 98 | 107 | 120 |
| Biological sciences | 104 | 95 | 146 | 168 | 141 | 160 | 177 | 229 | 204 |
| Computer sciences | 59 | 77 | 89 | 156 | 105 | 189 | 211 | 127 | 139 |
| Earth, atmospheric, and ocean sciences | 8 | 8 | 12 | 18 | 19 | 7 | 16 | 26 | 28 |
| Atmospheric sciences | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 |
| Earth sciences | 5 | 6 | 10 | 15 | 17 | 4 | 15 | 24 | 27 |
| Ocean sciences | 1 | 1 | 2 | 3 | 1 | 2 | 0 | 1 | 1 |
| Mathematics and statistics | 17 | 39 | 41 | 32 | 30 | 41 | 49 | 60 | 58 |
| Physical sciences | 45 | 54 | 37 | 39 | 52 | 58 | 54 | 56 | 76 |
| Astronomy | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 3 |
| Chemistry | 33 | 42 | 29 | 30 | 33 | 43 | 37 | 39 | 62 |
| Physics | 9 | 5 | 6 | 4 | 16 | 7 | 10 | 13 | 11 |
| Other | 1 | 7 | 2 | 5 | 3 | 6 | 6 | 3 | 0 |
| Psychology | 518 | 578 | 607 | 701 | 716 | 736 | 863 | 951 | 1,044 |
| Social sciences | 521 | 580 | 629 | 710 | 716 | 765 | 881 | 968 | 1,119 |
| Anthropology | 27 | 34 | 21 | 27 | 39 | 28 | 37 | 39 | 38 |
| Area and ethnic studies | 43 | 50 | 62 | 67 | 60 | 83 | 75 | 85 | 124 |
| Economics | 20 | 17 | 23 | 23 | 19 | 28 | 26 | 38 | 33 |
| History of science | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Linguistics | 19 | 16 | 15 | 21 | 14 | 18 | 19 | 23 | 29 |
| Political science and public administration | 336 | 337 | 383 | 426 | 423 | 463 | 535 | 596 | 671 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 42 | 60 | 69 | 84 | 84 | 74 | 83 | 69 | 83 |
| Other | 34 | 66 | 56 | 62 | 77 | 71 | 106 | 118 | 141 |
| Engineering | 176 | 178 | 201 | 221 | 252 | 226 | 310 | 315 | 281 |
| Aerospace engineering | 4 | 5 | 2 | 3 | 7 | 2 | 8 | 7 | 3 |
| Chemical engineering | 19 | 18 | 15 | 15 | 18 | 15 | 16 | 19 | 23 |
| Civil engineering | 36 | 42 | 59 | 51 | 58 | 51 | 61 | 73 | 54 |
| Electrical engineering | 25 | 28 | 34 | 25 | 46 | 35 | 75 | 53 | 42 |
| Industrial engineering | 32 | 42 | 46 | 68 | 70 | 57 | 78 | 84 | 84 |
| Materials engineering | 10 | 5 | 6 | 3 | 4 | 1 | 6 | 14 | 5 |
| Mechanical engineering | 20 | 15 | 12 | 20 | 11 | 17 | 24 | 25 | 29 |
| Other | 30 | 23 | 27 | 36 | 38 | 48 | 42 | 40 | 41 |
| Non-S&E | 8,392 | 8,901 | 10,963 | 11,806 | 12,620 | 13,871 | 16,407 | 18,002 | 18,914 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 1,147 | 1,212 | 1,321 | 1,446 | 1,502 | 1,648 | 1,841 | 1,899 | 1,977 |
| S&E | 174 | 190 | 190 | 255 | 219 | 231 | 310 | 268 | 315 |
| Sciences | 167 | 182 | 174 | 238 | 202 | 217 | 283 | 243 | 295 |
| Agricultural sciences | 8 | 8 | 5 | 7 | 7 | 13 | 14 | 16 | 17 |
| Biological sciences | 14 | 12 | 12 | 14 | 20 | 13 | 24 | 18 | 30 |
| Computer sciences | 9 | 3 | 10 | 29 | 13 | 20 | 22 | 17 | 13 |
| Earth, atmospheric, and ocean sciences | 3 | 5 | 2 | 7 | 3 | 5 | 5 | 6 | 2 |
| Atmospheric sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Earth sciences | 3 | 3 | 2 | 5 | 3 | 5 | 5 | 6 | 2 |
| Ocean sciences | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Mathematics and statistics | 6 | 6 | 4 | 3 | 1 | 4 | 3 | 6 | 4 |
| Physical sciences | 2 | 6 | 3 | 4 | 6 | 7 | 4 | 5 | 5 |
| Astronomy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Chemistry | 1 | 5 | 3 | 4 | 6 | 5 | 2 | 3 | 3 |
| Physics | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 1 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| Psychology | 63 | 76 | 54 | 77 | 68 | 73 | 83 | 87 | 97 |
| Social sciences | 62 | 66 | 84 | 97 | 84 | 82 | 128 | 88 | 127 |
| Anthropology | 5 | 8 | 10 | 7 | 4 | 5 | 15 | 8 | 14 |
| Area and ethnic studies | 15 | 9 | 8 | 14 | 15 | 22 | 15 | 15 | 20 |
| Economics | 4 | 3 | 2 | 2 | 4 | 2 | 3 | 3 | 0 |
| History of science | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Linguistics | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 5 | 1 |
| Political science and public administration | 20 | 26 | 33 | 44 | 40 | 37 | 69 | 47 | 69 |
| Sociology | 10 | 12 | 23 | 18 | 12 | 10 | 13 | 4 | 9 |
| Other | 7 | 6 | 7 | 11 | 6 | 5 | 11 | 6 | 14 |
| Engineering | 7 | 8 | 16 | 17 | 17 | 14 | 27 | 25 | 20 |
| Aerospace engineering | 0 | 0 | 0 | 0 | 2 | 0 | 4 | 0 | 0 |
| Chemical engineering | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 0 |
| Civil engineering | 1 | 2 | 4 | 2 | 6 | 3 | 4 | 5 | 4 |
| Electrical engineering | 0 | 2 | 1 | 3 | 3 | 3 | 3 | 3 | 5 |
| Industrial engineering | 2 | 1 | 3 | 5 | 1 | 1 | 6 | 7 | 1 |
| Materials engineering | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| Mechanical engineering | 0 | 2 | 0 | 2 | 2 | 3 | 5 | 1 | 2 |
| Other | 4 | 1 | 5 | 3 | 2 | 4 | 5 | 7 | 8 |
| Non-S&E | 973 | 1,022 | 1,131 | 1,191 | 1,283 | 1,417 | 1,531 | 1,631 | 1,662 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 10,938 | 11,000 | 14,510 | 17,075 | 20,319 | 24,122 | 29,517 | 27,762 | 30,542 |
| S&E | 1,632 | 1,589 | 2,055 | 2,280 | 2,634 | 2,837 | 3,277 | 3,680 | 4,144 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sciences | 1,460 | 1,428 | 1,863 | 2,059 | 2,398 | 2,560 | 2,985 | 3,319 | 3,750 |
| Agricultural sciences | 63 | 50 | 67 | 88 | 73 | 93 | 113 | 131 | 138 |
| Biological sciences | 126 | 131 | 161 | 159 | 188 | 226 | 220 | 272 | 287 |
| Computer sciences | 122 | 122 | 170 | 257 | 392 | 366 | 488 | 337 | 337 |
| Earth, atmospheric, and ocean sciences | 12 | 16 | 17 | 26 | 14 | 35 | 29 | 35 | 41 |
| Atmospheric sciences | 2 | 2 | 0 | 3 | 1 | 3 | 2 | 2 | 1 |
| Earth sciences | 8 | 13 | 17 | 19 | 12 | 29 | 24 | 31 | 33 |
| Ocean sciences | 2 | 1 | 0 | 4 | 1 | 3 | 3 | 2 | 7 |
| Mathematics and statistics | 64 | 58 | 67 | 49 | 59 | 52 | 77 | 82 | 102 |
| Physical sciences | 34 | 48 | 43 | 52 | 64 | 54 | 74 | 74 | 58 |
| Astronomy | 0 | 1 | 1 | 4 | 3 | 5 | 9 | 3 | 1 |
| Chemistry | 26 | 38 | 33 | 31 | 44 | 30 | 43 | 50 | 36 |
| Physics | 6 | 7 | 7 | 10 | 14 | 17 | 20 | 21 | 20 |
| Other | 2 | 2 | 2 | 7 | 3 | 2 | 2 | 0 | 1 |
| Psychology | 410 | 435 | 646 | 731 | 823 | 804 | 860 | 974 | 1,136 |
| Social sciences | 629 | 568 | 692 | 697 | 785 | 930 | 1,124 | 1,414 | 1,651 |
| Anthropology | 39 | 27 | 34 | 41 | 49 | 58 | 53 | 72 | 80 |
| Area and ethnic studies | 41 | 52 | 66 | 101 | 97 | 89 | 97 | 119 | 206 |
| Economics | 25 | 28 | 35 | 30 | 32 | 83 | 99 | 108 | 114 |
| History of science | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 0 |
| Linguistics | 24 | 14 | 13 | 15 | 15 | 19 | 27 | 28 | 32 |
| Political science and public administration | 408 | 367 | 427 | 380 | 465 | 539 | 673 | 878 | 968 |
| Sociology | 24 | 33 | 30 | 41 | 36 | 39 | 39 | 57 | 75 |
| Other | 67 | 47 | 87 | 89 | 89 | 101 | 135 | 150 | 176 |
| Engineering | 172 | 161 | 192 | 221 | 236 | 277 | 292 | 361 | 394 |
| Aerospace engineering | 7 | 2 | 3 | 8 | 4 | 4 | 7 | 8 | 19 |
| Chemical engineering | 7 | 9 | 9 | 14 | 16 | 10 | 14 | 26 | 19 |
| Civil engineering | 29 | 32 | 30 | 45 | 35 | 57 | 60 | 66 | 78 |
| Electrical engineering | 40 | 42 | 53 | 50 | 92 | 85 | 76 | 94 | 103 |
| Industrial engineering | 35 | 30 | 34 | 34 | 28 | 36 | 34 | 43 | 41 |
| Materials engineering | 4 | 2 | 6 | 7 | 4 | 5 | 5 | 6 | 11 |
| Mechanical engineering | 16 | 15 | 22 | 18 | 20 | 18 | 25 | 26 | 42 |
| Other | 34 | 29 | 35 | 45 | 37 | 62 | 71 | 92 | 81 |
| Non-S&E | 9,306 | 9,411 | 12,455 | 14,795 | 17,685 | 21,285 | 26,240 | 24,082 | 26,398 |
| Temporary resident | | | | | | | | | |
| All fields | 19,276 | 20,725 | 22,782 | 25,049 | 26,097 | 28,815 | 29,881 | 29,973 | 29,798 |
| S&E | 6,279 | 6,914 | 8,301 | 9,059 | 9,089 | 10,473 | 11,337 | 11,015 | 10,333 |
| Sciences | 4,830 | 5,191 | 6,274 | 6,804 | 6,957 | 7,825 | 8,180 | 7,701 | 7,207 |
| Agricultural sciences | 247 | 243 | 218 | 226 | 246 | 255 | 324 | 289 | 253 |
| Biological sciences | 508 | 504 | 459 | 507 | 492 | 587 | 658 | 745 | 806 |
| Computer sciences | 1,112 | 1,394 | 2,322 | 2,734 | 2,628 | 2,967 | 2,734 | 2,225 | 1,836 |
| Earth, atmospheric, and ocean sciences | 66 | 51 | 57 | 69 | 75 | 68 | 98 | 98 | 97 |
| Atmospheric sciences | 10 | 15 | 15 | 12 | 13 | 17 | 17 | 18 | 15 |
| Earth sciences | 52 | 33 | 38 | 52 | 54 | 48 | 70 | 71 | 74 |
| Ocean sciences | 4 | 3 | 4 | 5 | 8 | 3 | 11 | 9 | 8 |
| Mathematics and statistics | 347 | 370 | 487 | 501 | 535 | 711 | 847 | 800 | 743 |
| Physical sciences | 439 | 468 | 383 | 408 | 413 | 380 | 492 | 471 | 543 |
| Astronomy | 4 | 3 | 5 | 8 | 6 | 9 | 15 | 7 | 8 |
| Chemistry | 325 | 352 | 272 | 266 | 285 | 236 | 315 | 300 | 360 |
| Physics | 97 | 104 | 93 | 123 | 113 | 132 | 153 | 155 | 165 |
| Other | 13 | 9 | 13 | 11 | 9 | 3 | 9 | 9 | 10 |
| Psychology | 277 | 347 | 346 | 337 | 347 | 515 | 462 | 485 | 475 |

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Social sciences | 1,834 | 1,814 | 2,002 | 2,022 | 2,221 | 2,342 | 2,565 | 2,588 | 2,454 |
| Anthropology | 54 | 52 | 57 | 61 | 60 | 40 | 69 | 43 | 55 |
| Area and ethnic studies | 114 | 108 | 143 | 140 | 151 | 150 | 149 | 154 | 160 |
| Economics | 467 | 490 | 513 | 539 | 592 | 664 | 695 | 715 | 672 |
| History of science | 0 | 1 | 2 | 3 | 1 | 2 | 3 | 4 | 3 |
| Linguistics | 106 | 96 | 134 | 108 | 116 | 125 | 128 | 134 | 123 |
| Political science and public administration | 874 | 879 | 883 | 916 | 1,003 | 1,083 | 1,205 | 1,257 | 1,165 |
| Sociology | 107 | 74 | 135 | 93 | 135 | 134 | 147 | 113 | 106 |
| Other | 112 | 114 | 135 | 162 | 163 | 144 | 169 | 168 | 170 |
| Engineering | 1,449 | 1,723 | 2,027 | 2,255 | 2,132 | 2,648 | 3,157 | 3,314 | 3,126 |
| Aerospace engineering | 15 | 23 | 25 | 30 | 47 | 40 | 35 | 45 | 40 |
| Chemical engineering | 132 | 125 | 143 | 144 | 143 | 153 | 198 | 199 | 170 |
| Civil engineering | 222 | 256 | 256 | 274 | 305 | 361 | 376 | 408 | 423 |
| Electrical engineering | 530 | 688 | 868 | 1,031 | 846 | 1,182 | 1,511 | 1,602 | 1,383 |
| Industrial engineering | 173 | 206 | 246 | 282 | 294 | 325 | 326 | 305 | 321 |
| Materials engineering | 61 | 60 | 71 | 68 | 61 | 77 | 84 | 76 | 74 |
| Mechanical engineering | 98 | 116 | 156 | 137 | 145 | 172 | 199 | 209 | 216 |
| Other | 218 | 249 | 262 | 289 | 291 | 338 | 428 | 470 | 499 |
| Non-S&E | 12,997 | 13,811 | 14,481 | 15,990 | 17,008 | 18,342 | 18,544 | 18,958 | 19,465 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| All fields | 181,457 | 185,061 | 191,234 | 193,006 | 198,097 | 210,758 | 227,335 | 230,057 | 234,152 |
| S&E | 55,223 | 55,335 | 54,213 | 55,593 | 55,701 | 61,199 | 66,798 | 66,974 | 66,262 |
| Sciences | 34,044 | 34,360 | 33,817 | 34,698 | 35,009 | 37,679 | 40,061 | 40,482 | 41,003 |
| Agricultural sciences | 2,232 | 2,153 | 2,039 | 1,915 | 2,022 | 1,896 | 1,965 | 1,951 | 1,941 |
| Biological sciences | 3,076 | 3,014 | 2,815 | 2,732 | 2,665 | 2,859 | 3,160 | 3,229 | 3,598 |
| Computer sciences | 7,510 | 8,338 | 9,661 | 10,833 | 11,083 | 13,157 | 13,658 | 12,742 | 12,157 |
| Earth, atmospheric, and ocean sciences | 948 | 932 | 832 | 799 | 834 | 879 | 869 | 973 | 959 |
| Atmospheric sciences | 135 | 147 | 119 | 100 | 95 | 112 | 112 | 185 | 163 |
| Earth sciences | 752 | 708 | 670 | 649 | 678 | 702 | 682 | 737 | 738 |
| Ocean sciences | 61 | 77 | 43 | 50 | 61 | 65 | 75 | 51 | 58 |
| Mathematics and statistics | 2,110 | 2,055 | 1,797 | 1,891 | 1,937 | 2,029 | 2,347 | 2,587 | 2,811 |
| Physical sciences | 2,808 | 2,529 | 2,297 | 2,436 | 2,298 | 2,378 | 2,517 | 2,587 | 2,684 |
| Astronomy | 61 | 71 | 77 | 57 | 85 | 81 | 97 | 97 | 80 |
| Chemistry | 1,341 | 1,175 | 1,085 | 1,184 | 1,014 | 1,001 | 1,106 | 973 | 1,073 |
| Physics | 1,242 | 1,146 | 1,000 | 1,090 | 1,067 | 1,140 | 1,224 | 1,419 | 1,446 |
| Other | 164 | 137 | 135 | 105 | 132 | 156 | 90 | 98 | 85 |
| Psychology | 3,715 | 3,606 | 3,415 | 3,477 | 3,369 | 3,369 | 3,348 | 3,444 | 3,538 |
| Social sciences | 11,645 | 11,733 | 10,961 | 10,615 | 10,801 | 11,112 | 12,197 | 12,969 | 13,315 |
| Anthropology | 399 | 412 | 363 | 403 | 375 | 388 | 377 | 370 | 395 |
| Area and ethnic studies | 742 | 708 | 650 | 619 | 618 | 626 | 656 | 693 | 795 |
| Economics | 1,851 | 1,899 | 1,563 | 1,519 | 1,601 | 1,790 | 1,949 | 2,113 | 2,016 |
| History of science | 11 | 15 | 18 | 16 | 18 | 15 | 11 | 17 | 30 |
| Linguistics | 224 | 179 | 146 | 172 | 160 | 145 | 164 | 178 | 171 |
| Political science and public administration | 6,677 | 6,585 | 6,315 | 6,088 | 6,205 | 6,392 | 6,938 | 7,598 | 7,820 |
| Sociology | 610 | 656 | 649 | 643 | 642 | 633 | 673 | 485 | 467 |
| Other | 1,131 | 1,279 | 1,257 | 1,155 | 1,182 | 1,123 | 1,429 | 1,515 | 1,621 |
| Engineering | 21,179 | 20,975 | 20,396 | 20,895 | 20,692 | 23,520 | 26,737 | 26,492 | 25,259 |
| Aerospace engineering | 550 | 503 | 484 | 521 | 557 | 628 | 721 | 782 | 915 |
| Chemical engineering | 1,013 | 1,028 | 1,008 | 1,016 | 932 | 1,022 | 1,089 | 1,081 | 1,046 |
| Civil engineering | 3,781 | 3,582 | 3,065 | 2,952 | 2,884 | 3,042 | 3,234 | 3,309 | 3,156 |
| Electrical engineering | 6,197 | 6,595 | 6,781 | 6,957 | 6,718 | 8,173 | 9,788 | 9,167 | 8,368 |
| Industrial engineering | 2,331 | 2,433 | 2,400 | 2,612 | 2,593 | 3,005 | 3,338 | 3,018 | 2,660 |
| Materials engineering | 550 | 528 | 558 | 536 | 459 | 537 | 601 | 586 | 567 |
| Mechanical engineering | 3,337 | 3,090 | 2,923 | 3,024 | 3,051 | 3,380 | 3,992 | 4,163 | 3,936 |
| Other | 3,420 | 3,216 | 3,177 | 3,277 | 3,498 | 3,733 | 3,974 | 4,386 | 4,611 |
| Non-S&E | 126,234 | 129,726 | 137,021 | 137,413 | 142,396 | 149,559 | 160,537 | 163,083 | 167,890 |
| U.S. citizen/permanent resident | | | | | | | | | |
| All fields | 151,256 | 153,581 | 158,445 | 156,865 | 160,883 | 168,197 | 182,814 | 187,625 | 193,346 |
| S&E | 40,237 | 39,626 | 37,764 | 37,230 | 37,240 | 39,304 | 42,785 | 44,527 | 45,754 |
| Sciences | 26,245 | 26,089 | 25,164 | 25,081 | 25,219 | 26,510 | 28,511 | 29,601 | 30,707 |
| Agricultural sciences | 1,821 | 1,798 | 1,741 | 1,670 | 1,789 | 1,636 | 1,643 | 1,644 | 1,633 |
| Biological sciences | 2,661 | 2,618 | 2,524 | 2,366 | 2,352 | 2,445 | 2,703 | 2,761 | 3,119 |
| Computer sciences | 4,649 | 4,937 | 5,420 | 5,822 | 6,024 | 7,035 | 7,572 | 7,487 | 7,377 |
| Earth, atmospheric, and ocean sciences | 777 | 775 | 694 | 696 | 710 | 741 | 709 | 817 | 798 |
| Atmospheric sciences | 111 | 115 | 96 | 88 | 80 | 90 | 85 | 154 | 133 |
| Earth sciences | 618 | 608 | 566 | 567 | 582 | 593 | 562 | 626 | 624 |
| Ocean sciences | 48 | 52 | 32 | 41 | 48 | 58 | 62 | 37 | 41 |
| Mathematics and statistics | 1,464 | 1,399 | 1,173 | 1,162 | 1,178 | 1,227 | 1,409 | 1,610 | 1,748 |
| Physical sciences | 1,840 | 1,708 | 1,540 | 1,605 | 1,523 | 1,569 | 1,641 | 1,677 | 1,800 |
| Astronomy | 46 | 55 | 60 | 37 | 56 | 61 | 64 | 67 | 59 |
| Chemistry | 899 | 800 | 758 | 829 | 693 | 704 | 749 | 650 | 732 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Physics | 780 | 731 | 610 | 645 | 656 | 670 | 750 | 876 | 929 |
| Other | 115 | 122 | 112 | 94 | 118 | 134 | 78 | 84 | 80 |
| Psychology | 3,590 | 3,493 | 3,294 | 3,350 | 3,237 | 3,219 | 3,207 | 3,299 | 3,401 |
| Social sciences | 9,443 | 9,361 | 8,778 | 8,410 | 8,406 | 8,638 | 9,627 | 10,306 | 10,831 |
| Anthropology | 362 | 378 | 334 | 376 | 336 | 345 | 341 | 340 | 358 |
| Area and ethnic studies | 666 | 606 | 564 | 531 | 541 | 528 | 552 | 611 | 694 |
| Economics | 970 | 986 | 770 | 738 | 733 | 840 | 936 | 1,098 | 1,136 |
| History of science | 9 | 10 | 18 | 14 | 17 | 10 | 11 | 15 | 24 |
| Linguistics | 161 | 127 | 107 | 122 | 107 | 98 | 116 | 123 | 123 |
| Political science and public administration | 5,700 | 5,533 | 5,274 | 5,021 | 5,062 | 5,253 | 5,778 | 6,361 | 6,650 |
| Sociology | 545 | 578 | 593 | 579 | 586 | 582 | 621 | 429 | 405 |
| Other | 1,030 | 1,143 | 1,118 | 1,029 | 1,024 | 982 | 1,272 | 1,329 | 1,441 |
| Engineering | 13,992 | 13,537 | 12,600 | 12,149 | 12,021 | 12,794 | 14,274 | 14,926 | 15,047 |
| Aerospace engineering | 381 | 316 | 288 | 300 | 317 | 380 | 465 | 537 | 702 |
| Chemical engineering | 548 | 561 | 520 | 518 | 470 | 467 | 485 | 513 | 518 |
| Civil engineering | 2,787 | 2,649 | 2,229 | 1,993 | 1,835 | 1,899 | 1,947 | 2,166 | 2,156 |
| Electrical engineering | 3,651 | 3,764 | 3,541 | 3,317 | 3,321 | 3,683 | 4,402 | 4,361 | 4,246 |
| Industrial engineering | 1,441 | 1,534 | 1,470 | 1,485 | 1,457 | 1,565 | 1,688 | 1,564 | 1,523 |
| Materials engineering | 359 | 337 | 353 | 304 | 276 | 275 | 302 | 323 | 307 |
| Mechanical engineering | 2,281 | 2,078 | 1,913 | 1,911 | 1,891 | 1,952 | 2,266 | 2,458 | 2,423 |
| Other | 2,544 | 2,298 | 2,286 | 2,321 | 2,454 | 2,573 | 2,719 | 3,004 | 3,172 |
| Non-S&E | 111,019 | 113,955 | 120,681 | 119,635 | 123,643 | 128,893 | 140,029 | 143,098 | 147,592 |
| White | | | | | | | | | |
| All fields | 117,942 | 118,464 | 117,915 | 113,706 | 114,900 | 117,997 | 125,463 | 128,775 | 130,806 |
| S&E | 30,556 | 29,611 | 27,101 | 26,000 | 25,852 | 26,600 | 28,793 | 29,697 | 30,252 |
| Sciences | 20,169 | 19,747 | 18,118 | 17,575 | 17,544 | 17,945 | 19,298 | 19,822 | 20,527 |
| Agricultural sciences | 1,598 | 1,576 | 1,514 | 1,454 | 1,498 | 1,415 | 1,373 | 1,388 | 1,364 |
| Biological sciences | 2,120 | 2,016 | 1,901 | 1,743 | 1,761 | 1,819 | 1,909 | 1,973 | 2,222 |
| Computer sciences | 3,140 | 3,250 | 3,273 | 3,378 | 3,483 | 3,817 | 4,290 | 4,302 | 4,327 |
| Earth, atmospheric, and ocean sciences | 706 | 715 | 626 | 621 | 626 | 652 | 623 | 711 | 685 |
| Atmospheric sciences | 103 | 106 | 91 | 76 | 71 | 84 | 77 | 139 | 118 |
| Earth sciences | 564 | 560 | 506 | 511 | 519 | 520 | 492 | 537 | 532 |
| Ocean sciences | 39 | 49 | 29 | 34 | 36 | 48 | 54 | 35 | 35 |
| Mathematics and statistics | 1,145 | 1,080 | 902 | 863 | 872 | 910 | 1,020 | 1,153 | 1,204 |
| Physical sciences | 1,465 | 1,329 | 1,177 | 1,229 | 1,154 | 1,175 | 1,285 | 1,250 | 1,347 |
| Astronomy | 42 | 48 | 48 | 25 | 43 | 44 | 52 | 54 | 47 |
| Chemistry | 677 | 597 | 562 | 617 | 510 | 509 | 570 | 454 | 531 |
| Physics | 643 | 579 | 468 | 501 | 499 | 508 | 594 | 667 | 697 |
| Other | 103 | 105 | 99 | 86 | 102 | 114 | 69 | 75 | 72 |
| Psychology | 2,887 | 2,771 | 2,406 | 2,455 | 2,296 | 2,259 | 2,231 | 2,221 | 2,353 |
| Social sciences | 7,108 | 7,010 | 6,319 | 5,832 | 5,854 | 5,898 | 6,567 | 6,824 | 7,025 |
| Anthropology | 309 | 316 | 273 | 307 | 267 | 271 | 279 | 259 | 261 |
| Area and ethnic studies | 484 | 451 | 408 | 343 | 345 | 333 | 357 | 361 | 398 |
| Economics | 715 | 749 | 550 | 526 | 503 | 543 | 603 | 708 | 710 |
| History of science | 7 | 10 | 16 | 11 | 13 | 9 | 10 | 14 | 22 |
| Linguistics | 132 | 102 | 85 | 90 | 82 | 72 | 85 | 94 | 74 |
| Political science and public administration | 4,292 | 4,075 | 3,725 | 3,385 | 3,463 | 3,540 | 3,897 | 4,156 | 4,256 |
| Sociology | 373 | 412 | 403 | 390 | 383 | 383 | 412 | 272 | 267 |
| Other | 796 | 895 | 859 | 780 | 798 | 747 | 924 | 960 | 1,037 |
| Engineering | 10,387 | 9,864 | 8,983 | 8,425 | 8,308 | 8,655 | 9,495 | 9,875 | 9,725 |
| Aerospace engineering | 303 | 251 | 245 | 238 | 251 | 289 | 361 | 408 | 451 |
| Chemical engineering | 418 | 406 | 374 | 374 | 328 | 318 | 330 | 328 | 373 |
| Civil engineering | 2,194 | 2,105 | 1,744 | 1,566 | 1,386 | 1,452 | 1,505 | 1,631 | 1,628 |
| Electrical engineering | 2,430 | 2,411 | 2,189 | 1,968 | 1,994 | 2,144 | 2,499 | 2,528 | 2,360 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Industrial engineering | 1,080 | 1,096 | 1,005 | 1,006 | 979 | 1,021 | 1,038 | 930 | 899 |
| Materials engineering | 276 | 281 | 284 | 220 | 213 | 210 | 235 | 233 | 217 |
| Mechanical engineering | 1,753 | 1,580 | 1,426 | 1,359 | 1,367 | 1,435 | 1,601 | 1,778 | 1,717 |
| Other | 1,933 | 1,734 | 1,716 | 1,694 | 1,790 | 1,786 | 1,926 | 2,039 | 2,080 |
| Non-S&E | 87,386 | 88,853 | 90,814 | 87,706 | 89,048 | 91,397 | 96,670 | 99,078 | 100,554 |
| Asian/Pacific Islander | | | | | | | | | |
| All fields | 8,585 | 9,638 | 10,105 | 10,144 | 10,318 | 10,933 | 12,351 | 12,946 | 13,504 |
| S&E | 3,605 | 3,876 | 3,945 | 4,012 | 3,813 | 4,271 | 4,832 | 4,875 | 4,877 |
| Sciences | 1,847 | 2,053 | 2,226 | 2,225 | 2,188 | 2,494 | 2,633 | 2,699 | 2,632 |
| Agricultural sciences | 31 | 43 | 36 | 34 | 42 | 36 | 43 | 35 | 33 |
| Biological sciences | 251 | 297 | 291 | 235 | 233 | 275 | 334 | 355 | 341 |
| Computer sciences | 792 | 950 | 1,168 | 1,193 | 1,192 | 1,407 | 1,391 | 1,363 | 1,197 |
| Earth, atmospheric, and ocean sciences | 15 | 12 | 12 | 16 | 21 | 13 | 19 | 14 | 15 |
| Atmospheric sciences | 2 | 5 | 2 | 4 | 3 | 3 | 3 | 2 | 3 |
| Earth sciences | 7 | 6 | 9 | 9 | 15 | 6 | 13 | 12 | 10 |
| Ocean sciences | 6 | 1 | 1 | 3 | 3 | 4 | 3 | 0 | 2 |
| Mathematics and statistics | 122 | 111 | 86 | 101 | 115 | 114 | 128 | 150 | 206 |
| Physical sciences | 153 | 138 | 142 | 126 | 115 | 131 | 112 | 138 | 115 |
| Astronomy | 2 | 3 | 3 | 3 | 2 | 5 | 2 | 3 | 1 |
| Chemistry | 91 | 79 | 93 | 76 | 54 | 78 | 71 | 77 | 55 |
| Physics | 56 | 49 | 41 | 46 | 49 | 44 | 38 | 55 | 57 |
| Other | 4 | 7 | 5 | 1 | 10 | 4 | 1 | 3 | 2 |
| Psychology | 85 | 90 | 107 | 126 | 115 | 107 | 134 | 127 | 133 |
| Social sciences | 398 | 412 | 384 | 394 | 355 | 411 | 472 | 517 | 592 |
| Anthropology | 10 | 13 | 11 | 10 | 6 | 17 | 10 | 14 | 12 |
| Area and ethnic studies | 35 | 29 | 25 | 39 | 36 | 27 | 32 | 31 | 39 |
| Economics | 86 | 78 | 65 | 73 | 68 | 85 | 86 | 82 | 110 |
| History of science | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Linguistics | 10 | 8 | 11 | 9 | 5 | 6 | 10 | 10 | 12 |
| Political science and public administration | 200 | 225 | 212 | 207 | 184 | 226 | 272 | 306 | 346 |
| Sociology | 21 | 28 | 21 | 29 | 26 | 23 | 23 | 24 | 26 |
| Other | 36 | 31 | 39 | 27 | 30 | 27 | 39 | 49 | 46 |
| Engineering | 1,758 | 1,823 | 1,719 | 1,787 | 1,625 | 1,777 | 2,199 | 2,176 | 2,245 |
| Aerospace engineering | 35 | 31 | 19 | 29 | 23 | 39 | 40 | 45 | 45 |
| Chemical engineering | 59 | 81 | 80 | 74 | 58 | 64 | 85 | 75 | 56 |
| Civil engineering | 263 | 224 | 184 | 136 | 128 | 151 | 157 | 179 | 166 |
| Electrical engineering | 716 | 818 | 784 | 787 | 709 | 786 | 1,072 | 985 | 971 |
| Industrial engineering | 110 | 141 | 147 | 146 | 134 | 202 | 211 | 214 | 228 |
| Materials engineering | 42 | 29 | 33 | 38 | 27 | 32 | 29 | 46 | 44 |
| Mechanical engineering | 243 | 228 | 223 | 312 | 259 | 215 | 295 | 271 | 300 |
| Other | 290 | 271 | 249 | 265 | 287 | 288 | 310 | 361 | 435 |
| Non-S&E | 4,980 | 5,762 | 6,160 | 6,132 | 6,505 | 6,662 | 7,519 | 8,071 | 8,627 |
| Black | | | | | | | | | |
| All fields | 8,444 | 9,107 | 10,309 | 10,401 | 10,513 | 11,268 | 12,586 | 13,214 | 14,043 |
| S&E | 1,983 | 2,066 | 2,198 | 2,262 | 2,278 | 2,553 | 2,651 | 2,691 | 2,831 |
| Sciences | 1,534 | 1,596 | 1,747 | 1,808 | 1,805 | 2,007 | 2,082 | 2,099 | 2,218 |
| Agricultural sciences | 56 | 36 | 37 | 45 | 39 | 38 | 43 | 26 | 35 |
| Biological sciences | 69 | 68 | 73 | 92 | 88 | 108 | 115 | 96 | 127 |
| Computer sciences | 229 | 262 | 325 | 345 | 365 | 517 | 497 | 452 | 451 |
| Earth, atmospheric, and ocean sciences | 7 | 10 | 2 | 11 | 12 | 9 | 10 | 12 | 11 |
| Atmospheric sciences | 1 | 1 | 0 | 3 | 2 | 2 | 1 | 4 | 3 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Earth sciences | 6 | 9 | 2 | 7 | 9 | 4 | 8 | 8 | 8 |
| Ocean sciences | 0 | 0 | 0 | 1 | 1 | 3 | 1 | 0 | 0 |
| Mathematics and statistics | 75 | 65 | 46 | 65 | 49 | 49 | 63 | 75 | 77 |
| Physical sciences | 67 | 71 | 63 | 71 | 56 | 61 | 53 | 47 | 82 |
| Astronomy | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |
| Chemistry | 39 | 42 | 25 | 40 | 27 | 36 | 33 | 17 | 44 |
| Physics | 26 | 24 | 35 | 28 | 25 | 23 | 17 | 28 | 36 |
| Other | 1 | 5 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| Psychology | 245 | 254 | 311 | 301 | 343 | 344 | 357 | 375 | 334 |
| Social sciences | 786 | 830 | 890 | 878 | 853 | 881 | 944 | 1,016 | 1,101 |
| Anthropology | 10 | 7 | 9 | 6 | 8 | 6 | 8 | 5 | 10 |
| Area and ethnic studies | 41 | 42 | 34 | 25 | 32 | 39 | 44 | 48 | 43 |
| Economics | 60 | 55 | 48 | 41 | 48 | 39 | 36 | 61 | 62 |
| History of science | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| Linguistics | 3 | 1 | 1 | 7 | 1 | 2 | 1 | 3 | 3 |
| Political science and public administration | 504 | 550 | 597 | 626 | 586 | 597 | 610 | 726 | 776 |
| Sociology | 93 | 78 | 110 | 101 | 97 | 101 | 98 | 55 | 48 |
| Other | 75 | 97 | 91 | 71 | 80 | 97 | 147 | 118 | 159 |
| Engineering | 449 | 470 | 451 | 454 | 473 | 546 | 569 | 592 | 613 |
| Aerospace engineering | 9 | 6 | 7 | 8 | 14 | 8 | 10 | 17 | 22 |
| Chemical engineering | 12 | 24 | 19 | 15 | 19 | 23 | 17 | 32 | 25 |
| Civil engineering | 69 | 82 | 59 | 61 | 63 | 53 | 47 | 63 | 60 |
| Electrical engineering | 121 | 145 | 143 | 139 | 139 | 181 | 180 | 183 | 180 |
| Industrial engineering | 50 | 63 | 49 | 69 | 78 | 87 | 104 | 86 | 99 |
| Materials engineering | 13 | 6 | 9 | 7 | 7 | 7 | 10 | 10 | 8 |
| Mechanical engineering | 89 | 68 | 72 | 63 | 54 | 60 | 66 | 67 | 71 |
| Other | 86 | 76 | 93 | 92 | 99 | 127 | 135 | 134 | 148 |
| Non-S&E | 6,461 | 7,041 | 8,111 | 8,139 | 8,235 | 8,715 | 9,935 | 10,523 | 11,212 |
| Hispanic | | | | | | | | | |
| All fields | 6,466 | 6,848 | 8,004 | 8,238 | 8,429 | 9,117 | 10,432 | 10,974 | 11,385 |
| S&E | 1,718 | 1,795 | 1,910 | 1,958 | 1,973 | 2,112 | 2,419 | 2,526 | 2,582 |
| Sciences | 1,129 | 1,166 | 1,259 | 1,341 | 1,370 | 1,462 | 1,599 | 1,689 | 1,763 |
| Agricultural sciences | 51 | 58 | 59 | 49 | 90 | 45 | 73 | 78 | 76 |
| Biological sciences | 110 | 97 | 122 | 142 | 126 | 107 | 153 | 130 | 167 |
| Computer sciences | 152 | 142 | 199 | 284 | 228 | 366 | 391 | 335 | 341 |
| Earth, atmospheric, and ocean sciences | 15 | 12 | 18 | 10 | 16 | 21 | 20 | 21 | 27 |
| Atmospheric sciences | 1 | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 4 |
| Earth sciences | 13 | 11 | 16 | 10 | 14 | 20 | 17 | 19 | 20 |
| Ocean sciences | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 3 |
| Mathematics and statistics | 46 | 46 | 59 | 40 | 52 | 67 | 64 | 70 | 107 |
| Physical sciences | 71 | 75 | 59 | 80 | 84 | 86 | 73 | 88 | 95 |
| Astronomy | 0 | 0 | 2 | 1 | 2 | 0 | 2 | 1 | 3 |
| Chemistry | 39 | 42 | 27 | 44 | 39 | 47 | 33 | 45 | 45 |
| Physics | 27 | 30 | 28 | 33 | 40 | 34 | 34 | 40 | 46 |
| Other | 5 | 3 | 2 | 2 | 3 | 5 | 4 | 2 | 1 |
| Psychology | 200 | 209 | 230 | 236 | 237 | 221 | 222 | 268 | 272 |
| Social sciences | 484 | 527 | 513 | 500 | 537 | 549 | 603 | 699 | 678 |
| Anthropology | 10 | 14 | 16 | 18 | 20 | 20 | 21 | 23 | 22 |
| Area and ethnic studies | 48 | 46 | 45 | 46 | 61 | 56 | 42 | 66 | 58 |
| Economics | 51 | 46 | 44 | 30 | 38 | 51 | 54 | 73 | 67 |
| History of science | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 |
| Linguistics | 5 | 11 | 3 | 6 | 5 | 5 | 7 | 3 | 13 |
| Political science and public administration | 298 | 314 | 318 | 310 | 320 | 337 | 370 | 427 | 391 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| Sociology | 27 | 37 | 41 | 32 | 56 | 43 | 56 | 42 | 43 |
| Other | 44 | 59 | 46 | 57 | 37 | 36 | 53 | 65 | 84 |
| Engineering | 589 | 629 | 651 | 617 | 603 | 650 | 820 | 837 | 819 |
| Aerospace engineering | 16 | 11 | 11 | 8 | 12 | 12 | 13 | 32 | 24 |
| Chemical engineering | 32 | 28 | 24 | 25 | 27 | 24 | 24 | 22 | 26 |
| Civil engineering | 123 | 116 | 121 | 117 | 129 | 101 | 102 | 135 | 131 |
| Electrical engineering | 162 | 162 | 177 | 147 | 134 | 207 | 265 | 223 | 239 |
| Industrial engineering | 76 | 108 | 126 | 124 | 134 | 106 | 151 | 155 | 128 |
| Materials engineering | 12 | 10 | 9 | 19 | 12 | 5 | 10 | 12 | 12 |
| Mechanical engineering | 93 | 102 | 87 | 73 | 76 | 100 | 133 | 128 | 126 |
| Other | 75 | 92 | 96 | 104 | 79 | 95 | 122 | 130 | 133 |
| Non-S&E | 4,748 | 5,053 | 6,094 | 6,280 | 6,456 | 7,005 | 8,013 | 8,448 | 8,803 |
| American Indian/Alaska Native | | | | | | | | | |
| All fields | 697 | 739 | 778 | 828 | 880 | 898 | 985 | 993 | 1,072 |
| S&E | 196 | 182 | 193 | 217 | 201 | 221 | 225 | 218 | 243 |
| Sciences | 150 | 136 | 145 | 174 | 161 | 165 | 167 | 161 | 176 |
| Agricultural sciences | 10 | 15 | 18 | 11 | 18 | 11 | 9 | 11 | 17 |
| Biological sciences | 11 | 9 | 14 | 15 | 14 | 18 | 9 | 11 | 16 |
| Computer sciences | 16 | 12 | 22 | 39 | 19 | 22 | 35 | 18 | 41 |
| Earth, atmospheric, and ocean sciences | 2 | 5 | 7 | 4 | 1 | 4 | 2 | 5 | 2 |
| Atmospheric sciences | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Earth sciences | 2 | 5 | 7 | 3 | 1 | 4 | 2 | 4 | 2 |
| Ocean sciences | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Mathematics and statistics | 8 | 3 | 5 | 6 | 7 | 4 | 4 | 3 | 7 |
| Physical sciences | 9 | 8 | 6 | 5 | 9 | 5 | 4 | 6 | 9 |
| Astronomy | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Chemistry | 7 | 7 | 2 | 3 | 5 | 0 | 1 | 3 | 6 |
| Physics | 1 | 1 | 3 | 2 | 4 | 4 | 3 | 2 | 3 |
| Other | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Psychology | 34 | 32 | 15 | 29 | 28 | 31 | 25 | 28 | 17 |
| Social sciences | 60 | 52 | 58 | 65 | 65 | 70 | 79 | 79 | 67 |
| Anthropology | 5 | 6 | 4 | 10 | 8 | 6 | 4 | 6 | 7 |
| Area and ethnic studies | 6 | 6 | 8 | 6 | 5 | 11 | 12 | 12 | 8 |
| Economics | 4 | 2 | 1 | 5 | 6 | 4 | 3 | 7 | 3 |
| History of science | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Linguistics | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 |
| Political science and public administration | 35 | 23 | 29 | 26 | 34 | 40 | 49 | 43 | 37 |
| Sociology | 6 | 7 | 7 | 10 | 5 | 7 | 4 | 3 | 1 |
| Other | 3 | 8 | 9 | 7 | 5 | 2 | 7 | 7 | 10 |
| Engineering | 46 | 46 | 48 | 43 | 40 | 56 | 58 | 57 | 67 |
| Aerospace engineering | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 8 |
| Chemical engineering | 5 | 1 | 2 | 3 | 1 | 2 | 0 | 2 | 2 |
| Civil engineering | 9 | 12 | 10 | 8 | 5 | 10 | 12 | 8 | 13 |
| Electrical engineering | 8 | 7 | 13 | 7 | 10 | 15 | 7 | 17 | 12 |
| Industrial engineering | 4 | 6 | 5 | 10 | 7 | 7 | 13 | 11 | 8 |
| Materials engineering | 0 | 0 | 2 | 0 | 2 | 1 | 1 | 1 | 1 |
| Mechanical engineering | 10 | 11 | 7 | 5 | 4 | 6 | 16 | 5 | 9 |
| Other | 8 | 9 | 9 | 8 | 9 | 13 | 7 | 11 | 14 |
| Non-S&E | 501 | 557 | 585 | 611 | 679 | 677 | 760 | 775 | 829 |
| Other or unknown race/ethnicity | | | | | | | | | |
| All fields | 9,122 | 8,785 | 11,334 | 13,548 | 15,843 | 17,984 | 20,997 | 20,723 | 22,536 |
| S&E | 2,179 | 2,096 | 2,417 | 2,781 | 3,123 | 3,547 | 3,865 | 4,520 | 4,969 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sciences | 1,416 | 1,391 | 1,669 | 1,958 | 2,151 | 2,437 | 2,732 | 3,131 | 3,391 |
| Agricultural sciences | 75 | 70 | 77 | 77 | 102 | 91 | 102 | 106 | 108 |
| Biological sciences | 100 | 131 | 123 | 139 | 130 | 118 | 183 | 196 | 246 |
| Computer sciences | 320 | 321 | 433 | 583 | 737 | 906 | 968 | 1,017 | 1,020 |
| Earth, atmospheric, and ocean sciences | 32 | 21 | 29 | 34 | 34 | 42 | 35 | 54 | 58 |
| Atmospheric sciences | 4 | 2 | 1 | 5 | 4 | 0 | 3 | 6 | 5 |
| Earth sciences | 26 | 17 | 26 | 27 | 24 | 39 | 30 | 46 | 52 |
| Ocean sciences | 2 | 2 | 2 | 2 | 6 | 3 | 2 | 2 | 1 |
| Mathematics and statistics | 68 | 94 | 75 | 87 | 83 | 83 | 130 | 159 | 147 |
| Physical sciences | 75 | 87 | 93 | 94 | 105 | 111 | 114 | 148 | 152 |
| Astronomy | 1 | 4 | 7 | 8 | 7 | 11 | 7 | 9 | 8 |
| Chemistry | 46 | 33 | 49 | 49 | 58 | 34 | 41 | 54 | 51 |
| Physics | 27 | 48 | 35 | 35 | 39 | 57 | 64 | 84 | 90 |
| Other | 1 | 2 | 2 | 2 | 1 | 9 | 2 | 1 | 3 |
| Psychology | 139 | 137 | 225 | 203 | 218 | 257 | 238 | 280 | 292 |
| Social sciences | 607 | 530 | 614 | 741 | 742 | 829 | 962 | 1,171 | 1,368 |
| Anthropology | 18 | 22 | 21 | 25 | 27 | 25 | 19 | 33 | 46 |
| Area and ethnic studies | 52 | 32 | 44 | 72 | 62 | 62 | 65 | 93 | 148 |
| Economics | 54 | 56 | 62 | 63 | 70 | 118 | 154 | 167 | 184 |
| History of science | 1 | 0 | 2 | 0 | 3 | 0 | 1 | 0 | 1 |
| Linguistics | 10 | 5 | 7 | 10 | 12 | 13 | 13 | 12 | 20 |
| Political science and public administration | 371 | 346 | 393 | 467 | 475 | 513 | 580 | 703 | 844 |
| Sociology | 25 | 16 | 11 | 17 | 19 | 25 | 28 | 33 | 20 |
| Other | 76 | 53 | 74 | 87 | 74 | 73 | 102 | 130 | 105 |
| Engineering | 763 | 705 | 748 | 823 | 972 | 1,110 | 1,133 | 1,389 | 1,578 |
| Aerospace engineering | 16 | 17 | 6 | 15 | 15 | 30 | 39 | 33 | 152 |
| Chemical engineering | 22 | 21 | 21 | 27 | 37 | 36 | 29 | 54 | 36 |
| Civil engineering | 129 | 110 | 111 | 105 | 124 | 132 | 124 | 150 | 158 |
| Electrical engineering | 214 | 221 | 235 | 269 | 335 | 350 | 379 | 425 | 484 |
| Industrial engineering | 121 | 120 | 138 | 130 | 125 | 142 | 171 | 168 | 161 |
| Materials engineering | 16 | 11 | 16 | 20 | 15 | 20 | 17 | 21 | 25 |
| Mechanical engineering | 93 | 89 | 98 | 99 | 131 | 136 | 155 | 209 | 200 |
| Other | 152 | 116 | 123 | 158 | 190 | 264 | 219 | 329 | 362 |
| Non-S&E | 6,943 | 6,689 | 8,917 | 10,767 | 12,720 | 14,437 | 17,132 | 16,203 | 17,567 |
| Temporary resident | | | | | | | | | |
| All fields | 30,201 | 31,480 | 32,789 | 36,141 | 37,214 | 42,561 | 44,521 | 42,432 | 40,806 |
| S&E | 14,986 | 15,709 | 16,449 | 18,363 | 18,461 | 21,895 | 24,013 | 22,447 | 20,508 |
| Sciences | 7,799 | 8,271 | 8,653 | 9,617 | 9,790 | 11,169 | 11,550 | 10,881 | 10,296 |
| Agricultural sciences | 411 | 355 | 298 | 245 | 233 | 260 | 322 | 307 | 308 |
| Biological sciences | 415 | 396 | 291 | 366 | 313 | 414 | 457 | 468 | 479 |
| Computer sciences | 2,861 | 3,401 | 4,241 | 5,011 | 5,059 | 6,122 | 6,086 | 5,255 | 4,780 |
| Earth, atmospheric, and ocean sciences | 171 | 157 | 138 | 103 | 124 | 138 | 160 | 156 | 161 |
| Atmospheric sciences | 24 | 32 | 23 | 12 | 15 | 22 | 27 | 31 | 30 |
| Earth sciences | 134 | 100 | 104 | 82 | 96 | 109 | 120 | 111 | 114 |
| Ocean sciences | 13 | 25 | 11 | 9 | 13 | 7 | 13 | 14 | 17 |
| Mathematics and statistics | 646 | 656 | 624 | 729 | 759 | 802 | 938 | 977 | 1,063 |
| Physical sciences | 968 | 821 | 757 | 831 | 775 | 809 | 876 | 910 | 884 |
| Astronomy | 15 | 16 | 17 | 20 | 29 | 20 | 33 | 30 | 21 |
| Chemistry | 442 | 375 | 327 | 355 | 321 | 297 | 357 | 323 | 341 |
| Physics | 462 | 415 | 390 | 445 | 411 | 470 | 474 | 543 | 517 |
| Other | 49 | 15 | 23 | 11 | 14 | 22 | 12 | 14 | 5 |
| Psychology | 125 | 113 | 121 | 127 | 132 | 150 | 141 | 145 | 137 |

TABLE E-6. Master's degrees awarded to men, by field, citizenship, and race/ethnicity: 1997–2006

| Field, citizenship, and race/ethnicity | 1997 | 1998 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Social sciences | 2,202 | 2,372 | 2,183 | 2,205 | 2,395 | 2,474 | 2,570 | 2,663 | 2,484 |
| Anthropology | 37 | 34 | 29 | 27 | 39 | 43 | 36 | 30 | 37 |
| Area and ethnic studies | 76 | 102 | 86 | 88 | 77 | 98 | 104 | 82 | 101 |
| Economics | 881 | 913 | 793 | 781 | 868 | 950 | 1,013 | 1,015 | 880 |
| History of science | 2 | 5 | 0 | 2 | 1 | 5 | 0 | 2 | 6 |
| Linguistics | 63 | 52 | 39 | 50 | 53 | 47 | 48 | 55 | 48 |
| Political science and public administration | 977 | 1,052 | 1,041 | 1,067 | 1,143 | 1,139 | 1,160 | 1,237 | 1,170 |
| Sociology | 65 | 78 | 56 | 64 | 56 | 51 | 52 | 56 | 62 |
| Other | 101 | 136 | 139 | 126 | 158 | 141 | 157 | 186 | 180 |
| Engineering | 7,187 | 7,438 | 7,796 | 8,746 | 8,671 | 10,726 | 12,463 | 11,566 | 10,212 |
| Aerospace engineering | 169 | 187 | 196 | 221 | 240 | 248 | 256 | 245 | 213 |
| Chemical engineering | 465 | 467 | 488 | 498 | 462 | 555 | 604 | 568 | 528 |
| Civil engineering | 994 | 933 | 836 | 959 | 1,049 | 1,143 | 1,287 | 1,143 | 1,000 |
| Electrical engineering | 2,546 | 2,831 | 3,240 | 3,640 | 3,397 | 4,490 | 5,386 | 4,806 | 4,122 |
| Industrial engineering | 890 | 899 | 930 | 1,127 | 1,136 | 1,440 | 1,650 | 1,454 | 1,137 |
| Materials engineering | 191 | 191 | 205 | 232 | 183 | 262 | 299 | 263 | 260 |
| Mechanical engineering | 1,056 | 1,012 | 1,010 | 1,113 | 1,160 | 1,428 | 1,726 | 1,705 | 1,513 |
| Other | 876 | 918 | 891 | 956 | 1,044 | 1,160 | 1,255 | 1,382 | 1,439 |
| Non-S&E | 15,215 | 15,771 | 16,340 | 17,778 | 18,753 | 20,666 | 20,508 | 19,985 | 20,298 |

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1997–2006.

TABLE F-1. S&E doctoral degrees awarded, by field: 1999–2006

| Field | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| All S&E | 25,931 | 25,966 | 25,528 | 24,608 | 25,281 | 26,275 | 27,989 | 29,854 |
| Science | 20,601 | 20,643 | 20,017 | 19,529 | 20,001 | 20,498 | 21,564 | 22,663 |
| Agricultural sciences | 1,065 | 1,037 | 975 | 1,009 | 1,060 | 1,045 | 1,038 | 1,033 |
| Biological sciences | 5,581 | 5,853 | 5,697 | 5,694 | 5,695 | 5,940 | 6,368 | 6,631 |
| Computer sciences | 856 | 860 | 830 | 810 | 866 | 948 | 1,130 | 1,452 |
| Earth, atmospheric, and ocean sciences | 723 | 694 | 660 | 689 | 683 | 686 | 714 | 757 |
| Atmospheric sciences | 124 | 143 | 116 | 117 | 139 | 126 | 145 | 147 |
| Earth sciences | 452 | 387 | 393 | 426 | 374 | 420 | 420 | 469 |
| Ocean sciences | 147 | 164 | 151 | 146 | 170 | 140 | 149 | 141 |
| Mathematics and statistics | 1,083 | 1,050 | 1,010 | 920 | 993 | 1,076 | 1,205 | 1,327 |
| Physical sciences | 3,562 | 3,378 | 3,364 | 3,186 | 3,289 | 3,338 | 3,645 | 3,925 |
| Astronomy | 159 | 185 | 186 | 141 | 167 | 165 | 186 | 197 |
| Chemistry | 2,132 | 1,989 | 1,981 | 1,922 | 2,041 | 1,987 | 2,126 | 2,363 |
| Physics | 1,271 | 1,204 | 1,197 | 1,123 | 1,081 | 1,186 | 1,333 | 1,365 |
| Psychology | 3,668 | 3,616 | 3,399 | 3,207 | 3,276 | 3,327 | 3,323 | 3,263 |
| Social sciences | 4,063 | 4,155 | 4,082 | 4,014 | 4,139 | 4,138 | 4,141 | 4,275 |
| Anthropology | 488 | 482 | 451 | 522 | 505 | 565 | 499 | 511 |
| Area and ethnic studies | 109 | 127 | 146 | 122 | 106 | 133 | 110 | 130 |
| Economics | 1,075 | 1,086 | 1,081 | 1,027 | 1,050 | 1,069 | 1,183 | 1,142 |
| History of science | 50 | 42 | 40 | 48 | 46 | 48 | 43 | 56 |
| Linguistics | 251 | 230 | 230 | 193 | 224 | 254 | 212 | 252 |
| Political science and public administration | 1,016 | 986 | 984 | 939 | 1,025 | 946 | 990 | 998 |
| Sociology | 572 | 637 | 579 | 567 | 612 | 599 | 556 | 602 |
| Other | 502 | 565 | 571 | 596 | 571 | 524 | 548 | 584 |
| Engineering | 5,330 | 5,323 | 5,511 | 5,079 | 5,280 | 5,777 | 6,425 | 7,191 |
| Aerospace engineering | 206 | 214 | 203 | 209 | 200 | 201 | 219 | 238 |
| Chemical engineering | 674 | 726 | 730 | 705 | 649 | 726 | 875 | 893 |
| Civil engineering | 584 | 556 | 595 | 627 | 673 | 673 | 758 | 803 |
| Electrical engineering | 1,478 | 1,543 | 1,579 | 1,394 | 1,465 | 1,651 | 1,851 | 2,133 |
| Industrial engineering | 211 | 176 | 206 | 230 | 214 | 217 | 221 | 235 |
| Materials engineering | 469 | 451 | 497 | 396 | 474 | 511 | 540 | 624 |
| Mechanical engineering | 855 | 864 | 953 | 827 | 814 | 852 | 978 | 1,148 |
| Other | 853 | 793 | 748 | 691 | 791 | 946 | 983 | 1,117 |

NOTE: Totals include those with unknown gender and will not equal the sum of female and male in tables F-2 and F-3.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1999–2006.

TABLE F-2. S&E doctoral degrees awarded to women, by field: 1999–2006

| Field | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 1999 | 2006 |
|---|--------|-------|-------|-------|-------|-------|--------|--------|---------|------|
| | Number | | | | | | | | Percent | |
| All S&E | 9,081 | 9,393 | 9,298 | 9,172 | 9,519 | 9,856 | 10,539 | 11,469 | 35.0 | 38.4 |
| Science | 8,293 | 8,555 | 8,368 | 8,280 | 8,607 | 8,835 | 9,358 | 10,017 | 40.3 | 44.2 |
| Agricultural sciences | 311 | 317 | 339 | 319 | 374 | 399 | 376 | 411 | 29.2 | 39.8 |
| Biological sciences | 2,394 | 2,622 | 2,551 | 2,546 | 2,604 | 2,756 | 3,107 | 3,262 | 42.9 | 49.2 |
| Computer sciences | 157 | 141 | 155 | 167 | 176 | 199 | 221 | 310 | 18.3 | 21.3 |
| Earth, atmospheric, and ocean sciences | 185 | 196 | 198 | 211 | 213 | 238 | 244 | 267 | 25.6 | 35.3 |
| Atmospheric sciences | 22 | 33 | 28 | 31 | 39 | 46 | 52 | 46 | 17.7 | 31.3 |
| Earth sciences | 112 | 108 | 115 | 121 | 104 | 132 | 127 | 165 | 24.8 | 35.2 |
| Ocean sciences | 51 | 55 | 55 | 59 | 70 | 60 | 65 | 56 | 34.7 | 39.7 |
| Mathematics and statistics | 277 | 259 | 276 | 266 | 264 | 305 | 326 | 393 | 25.6 | 29.6 |
| Physical sciences | 825 | 827 | 828 | 848 | 891 | 865 | 971 | 1092 | 23.2 | 27.8 |
| Astronomy | 33 | 40 | 41 | 27 | 40 | 46 | 49 | 56 | 20.8 | 28.4 |
| Chemistry | 632 | 624 | 627 | 645 | 655 | 636 | 722 | 810 | 29.6 | 34.3 |
| Physics | 160 | 163 | 160 | 176 | 196 | 183 | 200 | 226 | 12.6 | 16.6 |
| Psychology | 2,449 | 2,410 | 2,268 | 2,137 | 2,232 | 2,246 | 2,262 | 2,327 | 66.8 | 71.3 |
| Social sciences | 1,695 | 1,783 | 1,753 | 1,786 | 1,853 | 1,827 | 1,851 | 1,955 | 41.7 | 45.7 |
| Anthropology | 274 | 276 | 264 | 305 | 308 | 311 | 285 | 288 | 56.1 | 56.4 |
| Area and ethnic studies | 59 | 67 | 97 | 70 | 73 | 78 | 58 | 74 | 54.1 | 56.9 |
| Economics | 291 | 293 | 306 | 281 | 303 | 315 | 355 | 345 | 27.1 | 30.2 |
| History of science | 18 | 17 | 8 | 12 | 23 | 12 | 16 | 25 | 36.0 | 44.6 |
| Linguistics | 148 | 135 | 136 | 115 | 133 | 150 | 138 | 152 | 59.0 | 60.3 |
| Political science and public administration | 356 | 364 | 330 | 395 | 398 | 346 | 409 | 410 | 35.0 | 41.1 |
| Sociology | 342 | 376 | 339 | 345 | 361 | 353 | 345 | 373 | 59.8 | 62.0 |
| Other | 207 | 255 | 273 | 263 | 254 | 262 | 245 | 288 | 41.2 | 49.3 |
| Engineering | 788 | 838 | 930 | 892 | 912 | 1,021 | 1,181 | 1,452 | 14.8 | 20.2 |
| Aerospace engineering | 17 | 21 | 28 | 24 | 27 | 24 | 29 | 25 | 8.3 | 10.5 |
| Chemical engineering | 123 | 152 | 180 | 176 | 155 | 173 | 210 | 231 | 18.2 | 25.9 |
| Civil engineering | 89 | 88 | 111 | 121 | 126 | 134 | 176 | 176 | 15.2 | 21.9 |
| Electrical engineering | 155 | 195 | 204 | 163 | 181 | 227 | 249 | 317 | 10.5 | 14.9 |
| Industrial engineering | 42 | 35 | 45 | 67 | 55 | 43 | 41 | 67 | 19.9 | 28.5 |
| Materials engineering | 88 | 83 | 105 | 80 | 101 | 91 | 120 | 158 | 18.8 | 25.3 |
| Mechanical engineering | 96 | 96 | 91 | 96 | 88 | 95 | 120 | 159 | 11.2 | 13.9 |
| Other | 178 | 168 | 166 | 165 | 179 | 234 | 236 | 319 | 20.9 | 28.6 |

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1999–2006.

TABLE F-3. S&E doctoral degrees awarded to men, by field: 1999–2006

| Field | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| All S&E | 16,734 | 16,519 | 16,186 | 15,387 | 15,762 | 16,418 | 17,407 | 18,341 |
| Science | 12,230 | 12,060 | 11,615 | 11,214 | 11,394 | 11,662 | 12,182 | 12,617 |
| Agricultural sciences | 749 | 718 | 629 | 683 | 686 | 646 | 659 | 622 |
| Biological sciences | 3,170 | 3,225 | 3,137 | 3,146 | 3,091 | 3,184 | 3,253 | 3,359 |
| Computer sciences | 692 | 717 | 673 | 640 | 690 | 749 | 906 | 1141 |
| Earth, atmospheric, and ocean sciences | 535 | 495 | 461 | 478 | 470 | 448 | 470 | 488 |
| Atmospheric sciences | 101 | 108 | 87 | 86 | 100 | 80 | 93 | 99 |
| Earth sciences | 338 | 278 | 278 | 305 | 270 | 288 | 293 | 304 |
| Ocean sciences | 96 | 109 | 96 | 87 | 100 | 80 | 84 | 85 |
| Mathematics and statistics | 803 | 790 | 734 | 651 | 729 | 771 | 877 | 934 |
| Physical sciences | 2,722 | 2,546 | 2,531 | 2,334 | 2,398 | 2,472 | 2,671 | 2,824 |
| Astronomy | 126 | 145 | 145 | 114 | 127 | 119 | 137 | 140 |
| Chemistry | 1,493 | 1,361 | 1,350 | 1,276 | 1,386 | 1,350 | 1,403 | 1,548 |
| Physics | 1,103 | 1,040 | 1,036 | 944 | 885 | 1,003 | 1131 | 1,136 |
| Psychology | 1,209 | 1,203 | 1,127 | 1,065 | 1,044 | 1,081 | 1,060 | 932 |
| Social sciences | 2,350 | 2,366 | 2,323 | 2,217 | 2,286 | 2,311 | 2,286 | 2,317 |
| Anthropology | 214 | 206 | 187 | 217 | 197 | 254 | 213 | 223 |
| Area and ethnic studies | 48 | 60 | 49 | 52 | 33 | 55 | 52 | 56 |
| Economics | 781 | 790 | 773 | 739 | 747 | 754 | 826 | 795 |
| History of science | 32 | 25 | 32 | 36 | 23 | 36 | 27 | 31 |
| Linguistics | 99 | 95 | 94 | 78 | 91 | 104 | 73 | 99 |
| Political science and public administration | 655 | 620 | 650 | 541 | 627 | 600 | 581 | 588 |
| Sociology | 228 | 260 | 240 | 222 | 251 | 246 | 211 | 229 |
| Other | 293 | 310 | 298 | 332 | 317 | 262 | 303 | 296 |
| Engineering | 4,504 | 4,459 | 4,571 | 4,173 | 4,368 | 4,756 | 5,225 | 5,724 |
| Aerospace engineering | 188 | 191 | 174 | 185 | 173 | 177 | 190 | 211 |
| Chemical engineering | 550 | 571 | 547 | 527 | 494 | 553 | 662 | 660 |
| Civil engineering | 495 | 466 | 483 | 505 | 547 | 539 | 581 | 626 |
| Electrical engineering | 1,310 | 1,338 | 1,374 | 1,224 | 1,284 | 1,424 | 1,597 | 1,811 |
| Industrial engineering | 169 | 140 | 160 | 162 | 159 | 174 | 177 | 168 |
| Materials engineering | 376 | 367 | 392 | 315 | 373 | 420 | 419 | 465 |
| Mechanical engineering | 751 | 767 | 860 | 729 | 726 | 757 | 858 | 987 |
| Other | 665 | 619 | 581 | 526 | 612 | 712 | 741 | 796 |

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1999–2006.

TABLE F-4. Top baccalaureate institutions of S&E doctorate recipients, by sex: 2002–06

| Academic institution | Doctorates | Academic institution | Doctorates |
|---|------------|---|------------|
| Female, all institutions | 50,555 | Male, all institutions | 83,315 |
| Foreign | 13,140 | Foreign | 32,556 |
| Unknown | 4,454 | Unknown | 7,787 |
| Top 50 U.S. | 11,539 | Top 51 U.S. | 16,867 |
| University of California-Berkeley | 566 | University of California-Berkeley | 887 |
| Cornell University, all campuses | 483 | Cornell University, all campuses | 675 |
| University of Michigan at Ann Arbor | 443 | Brigham Young University, main campus | 602 |
| University of California-Los Angeles | 390 | University of Illinois at Urbana-Champaign | 583 |
| University of California-San Diego | 328 | Massachusetts Institute of Technology | 566 |
| Harvard University | 320 | Pennsylvania State University, main campus | 545 |
| University of Illinois at Urbana-Champaign | 316 | Harvard University | 538 |
| University of Texas at Austin | 311 | University of Michigan at Ann Arbor | 491 |
| Massachusetts Institute of Technology | 308 | University of Texas at Austin | 479 |
| University of Wisconsin-Madison | 302 | University of California-Los Angeles | 418 |
| University of California-Davis | 299 | University of Wisconsin-Madison | 406 |
| University of Florida | 281 | University of Florida | 403 |
| Pennsylvania State University, main campus | 274 | Virginia Polytechnic Institute and State University | 382 |
| University of Maryland at College Park | 254 | University of California-Davis | 369 |
| Brown University | 251 | Texas A&M University main campus | 368 |
| Stanford University | 251 | University of California-San Diego | 361 |
| Rutgers University New Brunswick/Piscataway | 247 | Stanford University | 351 |
| University of Virginia, main campus | 244 | Rutgers University New Brunswick/Piscataway | 343 |
| Texas A&M University, main campus | 229 | Purdue University, main campus | 337 |
| Princeton University | 226 | Princeton University | 319 |
| Yale University | 224 | University of Minnesota-Twin Cities | 313 |
| Duke University | 218 | University of Virginia, main campus | 312 |
| University of Pennsylvania | 218 | Georgia Institute of Technology, main campus | 294 |
| Michigan State University | 212 | Ohio State University, main campus | 290 |
| University of California-Santa Cruz | 201 | University of Washington-Seattle | 286 |
| University of Washington-Seattle | 198 | University of Arizona | 285 |
| University of North Carolina at Chapel Hill | 196 | University of Maryland at College Park | 278 |
| Boston University | 189 | Duke University | 275 |
| Ohio State University, main campus | 184 | Michigan State University | 271 |
| Indiana University at Bloomington | 178 | Yale University | 264 |
| University of California-Santa Barbara | 177 | California Institute of Technology | 262 |
| University of Minnesota-Twin Cities | 177 | University of Colorado at Boulder | 257 |
| University of Chicago | 176 | North Carolina State University at Raleigh | 256 |
| Virginia Polytechnic Institute and State University | 175 | Brown University | 251 |
| College of William and Mary | 174 | University of California-Santa Cruz | 241 |
| University of Colorado at Boulder | 174 | Iowa State University | 237 |
| University of Arizona | 172 | University of Pennsylvania | 231 |
| Columbia University in the City of New York | 168 | University of Chicago | 229 |
| Wellesley College | 167 | University of California-Santa Barbara | 228 |
| Smith College | 164 | Carnegie Mellon University | 225 |
| Northwestern University | 161 | Johns Hopkins University | 219 |
| University of California-Irvine | 159 | Northwestern University | 214 |
| Purdue University, main campus | 154 | Rensselaer Polytechnic Institute | 204 |
| Dartmouth College | 151 | SUNY at Buffalo | 203 |
| New York University | 148 | University of North Carolina at Chapel Hill | 202 |
| Wesleyan University | 143 | University of Utah | 199 |
| Oberlin College | 142 | Boston University | 198 |
| University of Puerto Rico Rio Piedras campus | 140 | University of California-Irvine | 184 |
| University of Massachusetts at Amherst | 139 | Columbia University in the City of New York | 180 |
| SUNY at Binghamton | 137 | University of Missouri, Columbia | 178 |
| Other U.S. | 21,422 | University of Rochester | 178 |
| | | Other U.S. | 26,105 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–2006.

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2006

| Race/ethnicity and citizenship | All fields | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | Non-S&E | |
|---|----------------------|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|---------|--------|
| | | | | | | | | | | | | | | Number |
| All doctorate recipients | 45,596 | 29,854 | 22,663 | 1,033 | 6,631 | 1,452 | 757 | 1,327 | 3,925 | 3,263 | 4,275 | 7,191 | 15,742 | |
| U.S. citizen | 26,917 | 15,459 | 13,274 | 546 | 4,165 | 484 | 445 | 549 | 1,837 | 2,722 | 2,526 | 2,185 | 11,458 | |
| Permanent resident | 1,829 | 1,253 | 953 | 31 | 302 | 95 | 28 | 66 | 156 | 76 | 199 | 300 | 576 | |
| Temporary resident | 14,118 | 11,522 | 7,250 | 397 | 1,846 | 795 | 240 | 668 | 1,724 | 243 | 1,337 | 4,272 | 2,596 | |
| Unknown citizenship | 2,732 | 1,620 | 1,186 | 59 | 318 | 78 | 44 | 44 | 208 | 222 | 213 | 434 | 1,112 | |
| White | 25,399 | 15,312 | 12,853 | 541 | 3,781 | 576 | 472 | 673 | 2,109 | 2,244 | 2,457 | 2,459 | 10,087 | |
| U.S. citizen | 21,280 | 12,227 | 10,594 | 472 | 3,303 | 382 | 393 | 452 | 1,551 | 2,082 | 1,959 | 1,633 | 9,053 | |
| Permanent resident | 669 | 445 | 355 | 7 | 98 | 25 | 13 | 23 | 69 | 37 | 83 | 90 | 224 | |
| Temporary resident | 3,279 | 2,557 | 1,838 | 57 | 374 | 167 | 65 | 197 | 476 | 92 | 410 | 719 | 722 | |
| Unknown citizenship | 171 | 83 | 66 | 5 | 6 | 2 | 1 | 1 | 13 | 33 | 5 | 17 | 88 | |
| Asian ^a | 11,706 | 9,604 | 5,883 | 243 | 1,833 | 705 | 165 | 489 | 1,282 | 299 | 867 | 3,721 | 2,102 | |
| U.S. citizen | 1,560 | 1,164 | 898 | 14 | 387 | 60 | 15 | 35 | 118 | 150 | 119 | 266 | 396 | |
| Permanent resident | 824 | 602 | 430 | 15 | 152 | 66 | 9 | 35 | 65 | 21 | 67 | 172 | 222 | |
| Temporary resident | 9,247 | 7,789 | 4,537 | 214 | 1,292 | 577 | 141 | 417 | 1,095 | 125 | 676 | 3,252 | 1,458 | |
| Unknown citizenship | 75 | 49 | 18 | 0 | 2 | 2 | 0 | 2 | 4 | 3 | 5 | 31 | 26 | |
| Black | 2,206 | 1,003 | 855 | 56 | 190 | 20 | 12 | 33 | 100 | 185 | 259 | 148 | 1,203 | |
| U.S. citizen | 1,659 | 664 | 575 | 20 | 133 | 14 | 3 | 16 | 40 | 169 | 180 | 89 | 995 | |
| Permanent resident | 130 | 77 | 63 | 4 | 15 | 1 | 2 | 4 | 8 | 7 | 22 | 14 | 53 | |
| Temporary resident | 385 | 255 | 211 | 31 | 41 | 5 | 7 | 12 | 52 | 7 | 56 | 44 | 130 | |
| Unknown citizenship | 32 | 7 | 6 | 1 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 1 | 25 | |
| Hispanic | 2,304 | 1,487 | 1,224 | 103 | 314 | 30 | 41 | 58 | 134 | 223 | 321 | 263 | 817 | |
| U.S. citizen | 1,370 | 786 | 685 | 23 | 195 | 6 | 19 | 23 | 68 | 203 | 148 | 101 | 584 | |
| Permanent resident | 140 | 86 | 75 | 4 | 30 | 1 | 2 | 2 | 11 | 7 | 18 | 11 | 54 | |
| Temporary resident | 779 | 609 | 459 | 76 | 87 | 23 | 20 | 33 | 54 | 11 | 155 | 150 | 170 | |
| Unknown citizenship | 15 | 6 | 5 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 9 | |
| American Indian/Alaska Native | 131 | 52 | 46 | 3 | 7 | 2 | 1 | 0 | 4 | 15 | 14 | 6 | 79 | |
| U.S. citizen | 118 | 47 | 44 | 3 | 6 | 2 | 1 | 0 | 4 | 15 | 13 | 3 | 71 | |
| Permanent resident | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| Temporary resident | 11 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 | |
| Unknown citizenship | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| Other/unknown race/ethnicity ^b | 3,850 | 2,396 | 1,802 | 87 | 506 | 119 | 66 | 74 | 296 | 297 | 357 | 594 | 1,454 | |
| U.S. citizen | 930 | 571 | 478 | 14 | 141 | 20 | 14 | 23 | 56 | 103 | 107 | 93 | 359 | |
| Permanent resident | 65 | 42 | 30 | 1 | 7 | 2 | 2 | 2 | 3 | 4 | 9 | 12 | 23 | |
| Temporary resident | 417 | 309 | 203 | 19 | 51 | 23 | 7 | 9 | 47 | 8 | 39 | 106 | 108 | |
| Unknown citizenship | 2,438 | 1,474 | 1,091 | 53 | 307 | 74 | 43 | 40 | 190 | 182 | 202 | 383 | 964 | |
| | Percent distribution | | | | | | | | | | | | | |
| All doctorate recipients | 100.0 | 65.5 | 49.7 | 2.3 | 14.5 | 3.2 | 1.7 | 2.9 | 8.6 | 7.2 | 9.4 | 15.8 | 34.5 | |
| U.S. citizen | 100.0 | 57.4 | 49.3 | 2.0 | 15.5 | 1.8 | 1.7 | 2.0 | 6.8 | 10.1 | 9.4 | 8.1 | 42.6 | |

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2006

| Race/ethnicity and citizenship | All fields | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering | Non-S&E |
|---|------------|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|---------|
| Permanent resident | 100.0 | 68.5 | 52.1 | 1.7 | 16.5 | 5.2 | 1.5 | 3.6 | 8.5 | 4.2 | 10.9 | 16.4 | 31.5 |
| Temporary resident | 100.0 | 81.6 | 51.4 | 2.8 | 13.1 | 5.6 | 1.7 | 4.7 | 12.2 | 1.7 | 9.5 | 30.3 | 18.4 |
| Unknown citizenship | 100.0 | 59.3 | 43.4 | 2.2 | 11.6 | 2.9 | 1.6 | 1.6 | 7.6 | 8.1 | 7.8 | 15.9 | 40.7 |
| White | 100.0 | 60.3 | 50.6 | 2.1 | 14.9 | 2.3 | 1.9 | 2.6 | 8.3 | 8.8 | 9.7 | 9.7 | 39.7 |
| U.S. citizen | 100.0 | 57.5 | 49.8 | 2.2 | 15.5 | 1.8 | 1.8 | 2.1 | 7.3 | 9.8 | 9.2 | 7.7 | 42.5 |
| Permanent resident | 100.0 | 66.5 | 53.1 | 1.0 | 14.6 | 3.7 | 1.9 | 3.4 | 10.3 | 5.5 | 12.4 | 13.5 | 33.5 |
| Temporary resident | 100.0 | 78.0 | 56.1 | 1.7 | 11.4 | 5.1 | 2.0 | 6.0 | 14.5 | 2.8 | 12.5 | 21.9 | 22.0 |
| Unknown citizenship | 100.0 | 48.5 | 38.6 | 2.9 | 3.5 | 1.2 | 0.6 | 0.6 | 7.6 | 19.3 | 2.9 | 9.9 | 51.5 |
| Asian ^a | 100.0 | 82.0 | 50.3 | 2.1 | 15.7 | 6.0 | 1.4 | 4.2 | 11.0 | 2.6 | 7.4 | 31.8 | 18.0 |
| U.S. citizen | 100.0 | 74.6 | 57.6 | 0.9 | 24.8 | 3.8 | 1.0 | 2.2 | 7.6 | 9.6 | 7.6 | 17.1 | 25.4 |
| Permanent resident | 100.0 | 73.1 | 52.2 | 1.8 | 18.4 | 8.0 | 1.1 | 4.2 | 7.9 | 2.5 | 8.1 | 20.9 | 26.9 |
| Temporary resident | 100.0 | 84.2 | 49.1 | 2.3 | 14.0 | 6.2 | 1.5 | 4.5 | 11.8 | 1.4 | 7.3 | 35.2 | 15.8 |
| Unknown citizenship | 100.0 | 65.3 | 24.0 | 0.0 | 2.7 | 2.7 | 0.0 | 2.7 | 5.3 | 4.0 | 6.7 | 41.3 | 34.7 |
| Black | 100.0 | 45.5 | 38.8 | 2.5 | 8.6 | 0.9 | 0.5 | 1.5 | 4.5 | 8.4 | 11.7 | 6.7 | 54.5 |
| U.S. citizen | 100.0 | 40.0 | 34.7 | 1.2 | 8.0 | 0.8 | 0.2 | 1.0 | 2.4 | 10.2 | 10.8 | 5.4 | 60.0 |
| Permanent resident | 100.0 | 59.2 | 48.5 | 3.1 | 11.5 | 0.8 | 1.5 | 3.1 | 6.2 | 5.4 | 16.9 | 10.8 | 40.8 |
| Temporary resident | 100.0 | 66.2 | 54.8 | 8.1 | 10.6 | 1.3 | 1.8 | 3.1 | 13.5 | 1.8 | 14.5 | 11.4 | 33.8 |
| Unknown citizenship | 100.0 | 21.9 | 18.8 | 3.1 | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 6.3 | 3.1 | 3.1 | 78.1 |
| Hispanic | 100.0 | 64.5 | 53.1 | 4.5 | 13.6 | 1.3 | 1.8 | 2.5 | 5.8 | 9.7 | 13.9 | 11.4 | 35.5 |
| U.S. citizen | 100.0 | 57.4 | 50.0 | 1.7 | 14.2 | 0.4 | 1.4 | 1.7 | 5.0 | 14.8 | 10.8 | 7.4 | 42.6 |
| Permanent resident | 100.0 | 61.4 | 53.6 | 2.9 | 21.4 | 0.7 | 1.4 | 1.4 | 7.9 | 5.0 | 12.9 | 7.9 | 38.6 |
| Temporary resident | 100.0 | 78.2 | 58.9 | 9.8 | 11.2 | 3.0 | 2.6 | 4.2 | 6.9 | 1.4 | 19.9 | 19.3 | 21.8 |
| Unknown citizenship | 100.0 | 40.0 | 33.3 | 0.0 | 13.3 | 0.0 | 0.0 | 0.0 | 6.7 | 13.3 | 0.0 | 6.7 | 60.0 |
| American Indian/Alaska Native | 100.0 | 39.7 | 35.1 | 2.3 | 5.3 | 1.5 | 0.8 | 0.0 | 3.1 | 11.5 | 10.7 | 4.6 | 60.3 |
| U.S. citizen | 100.0 | 39.8 | 37.3 | 2.5 | 5.1 | 1.7 | 0.8 | 0.0 | 3.4 | 12.7 | 11.0 | 2.5 | 60.2 |
| Permanent resident | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 |
| Temporary resident | 100.0 | 27.3 | 18.2 | 0.0 | 9.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 9.1 | 72.7 |
| Unknown citizenship | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 |
| Other/unknown race/ethnicity ^b | 100.0 | 62.2 | 46.8 | 2.3 | 13.1 | 3.1 | 1.7 | 1.9 | 7.7 | 7.7 | 9.3 | 15.4 | 37.8 |
| U.S. citizen | 100.0 | 61.4 | 51.4 | 1.5 | 15.2 | 2.2 | 1.5 | 2.5 | 6.0 | 11.1 | 11.5 | 10.0 | 38.6 |
| Permanent resident | 100.0 | 64.6 | 46.2 | 1.5 | 10.8 | 3.1 | 3.1 | 3.1 | 4.6 | 6.2 | 13.8 | 18.5 | 35.4 |
| Temporary resident | 100.0 | 74.1 | 48.7 | 4.6 | 12.2 | 5.5 | 1.7 | 2.2 | 11.3 | 1.9 | 9.4 | 25.4 | 25.9 |
| Unknown citizenship | 100.0 | 60.5 | 44.7 | 2.2 | 12.6 | 3.0 | 1.8 | 1.6 | 7.8 | 7.5 | 8.3 | 15.7 | 39.5 |

^a Excludes Native Hawaiian/other Pacific Islander per revised Office of Management and Budget guidelines.

^b This category was expanded to include Native Hawaiian/other Pacific Islander and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

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

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1999–2006

| Field and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| All S&E | 17,570 | 17,117 | 16,350 | 15,535 | 15,740 | 15,746 | 16,024 | 16,712 |
| White | 13,721 | 13,444 | 12,746 | 11,930 | 12,029 | 12,033 | 12,268 | 12,672 |
| Asian ^a | 1,932 | 1,707 | 1,635 | 1,620 | 1,529 | 1,494 | 1,634 | 1,766 |
| Black | 716 | 710 | 703 | 688 | 664 | 751 | 706 | 741 |
| Hispanic | 722 | 730 | 670 | 723 | 744 | 718 | 802 | 872 |
| American Indian/Alaska Native | 114 | 88 | 73 | 69 | 73 | 60 | 67 | 48 |
| Other/unknown race/ethnicity ^b | 365 | 438 | 523 | 505 | 701 | 690 | 547 | 613 |
| Science | 14,679 | 14,544 | 13,895 | 13,368 | 13,562 | 13,558 | 13,739 | 14,227 |
| White | 11,610 | 11,554 | 10,990 | 10,451 | 10,469 | 10,485 | 10,662 | 10,949 |
| Asian ^a | 1,419 | 1,267 | 1,208 | 1,211 | 1,182 | 1,140 | 1,230 | 1,328 |
| Black | 618 | 629 | 611 | 603 | 587 | 657 | 606 | 638 |
| Hispanic | 639 | 648 | 579 | 625 | 640 | 630 | 713 | 760 |
| American Indian/Alaska Native | 102 | 80 | 67 | 63 | 61 | 54 | 58 | 44 |
| Other/unknown race/ethnicity ^b | 291 | 366 | 440 | 415 | 623 | 592 | 470 | 508 |
| Agricultural sciences | 561 | 559 | 506 | 492 | 562 | 566 | 557 | 577 |
| White | 456 | 452 | 430 | 417 | 465 | 470 | 486 | 479 |
| Asian ^a | 50 | 36 | 25 | 29 | 26 | 31 | 22 | 29 |
| Black | 27 | 22 | 14 | 13 | 22 | 20 | 16 | 24 |
| Hispanic | 16 | 29 | 26 | 21 | 25 | 16 | 18 | 27 |
| American Indian/Alaska Native | 1 | 5 | 0 | 2 | 4 | 4 | 3 | 3 |
| Other/unknown race/ethnicity ^b | 11 | 15 | 11 | 10 | 20 | 25 | 12 | 15 |
| Biological sciences | 4,123 | 4,268 | 4,252 | 4,117 | 4,061 | 4,197 | 4,392 | 4,467 |
| White | 3,128 | 3,307 | 3,261 | 3,122 | 3,061 | 3,189 | 3,332 | 3,401 |
| Asian ^a | 608 | 539 | 547 | 561 | 530 | 490 | 536 | 539 |
| Black | 116 | 118 | 139 | 125 | 108 | 149 | 159 | 148 |
| Hispanic | 174 | 174 | 165 | 182 | 176 | 192 | 227 | 225 |
| American Indian/Alaska Native | 20 | 17 | 15 | 12 | 11 | 14 | 12 | 6 |
| Other/unknown race/ethnicity ^b | 77 | 113 | 125 | 115 | 175 | 163 | 126 | 148 |
| Computer sciences | 493 | 458 | 429 | 422 | 446 | 447 | 469 | 579 |
| White | 356 | 337 | 325 | 292 | 308 | 320 | 323 | 407 |
| Asian ^a | 87 | 76 | 64 | 87 | 81 | 72 | 92 | 126 |
| Black | 19 | 18 | 15 | 17 | 17 | 17 | 15 | 15 |
| Hispanic | 14 | 14 | 8 | 14 | 11 | 13 | 12 | 7 |
| American Indian/Alaska Native | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| Other/unknown race/ethnicity ^b | 16 | 12 | 16 | 10 | 27 | 23 | 26 | 22 |
| Earth, atmospheric, ocean sciences | 471 | 474 | 411 | 433 | 451 | 438 | 442 | 473 |
| White | 387 | 411 | 354 | 374 | 379 | 379 | 384 | 406 |
| Asian ^a | 35 | 23 | 27 | 24 | 22 | 11 | 18 | 24 |
| Black | 11 | 4 | 5 | 5 | 13 | 7 | 6 | 5 |
| Hispanic | 20 | 16 | 9 | 14 | 15 | 11 | 18 | 21 |
| American Indian/Alaska Native | 6 | 4 | 0 | 0 | 2 | 4 | 4 | 1 |
| Other/unknown race/ethnicity ^b | 12 | 16 | 16 | 16 | 20 | 26 | 12 | 16 |
| Mathematics and statistics | 605 | 574 | 528 | 444 | 517 | 511 | 542 | 615 |
| White | 506 | 464 | 429 | 371 | 407 | 399 | 413 | 475 |
| Asian ^a | 56 | 70 | 51 | 28 | 51 | 54 | 67 | 70 |
| Black | 12 | 14 | 19 | 14 | 16 | 10 | 22 | 20 |
| Hispanic | 15 | 15 | 15 | 12 | 17 | 26 | 24 | 25 |
| American Indian/Alaska Native | 1 | 2 | 2 | 3 | 2 | 0 | 0 | 0 |
| Other/unknown race/ethnicity ^b | 15 | 9 | 12 | 16 | 24 | 22 | 16 | 25 |
| Physical sciences | 2,265 | 2,072 | 2,035 | 1,924 | 1,951 | 1,858 | 1,899 | 1,993 |
| White | 1,829 | 1,674 | 1,636 | 1,534 | 1,537 | 1,468 | 1,500 | 1,620 |
| Asian ^a | 252 | 202 | 200 | 193 | 184 | 164 | 196 | 183 |
| Black | 66 | 61 | 55 | 67 | 55 | 60 | 55 | 48 |
| Hispanic | 63 | 77 | 65 | 63 | 72 | 62 | 74 | 79 |
| American Indian/Alaska Native | 9 | 9 | 12 | 7 | 2 | 5 | 4 | 4 |
| Other/unknown race/ethnicity ^b | 46 | 49 | 67 | 60 | 101 | 99 | 70 | 59 |
| Chemistry | 1,406 | 1,241 | 1,233 | 1,229 | 1,266 | 1,184 | 1,212 | 1,266 |
| White | 1,090 | 988 | 974 | 987 | 1,003 | 922 | 956 | 1,002 |

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1999–2006

| Field and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Asian ^a | 183 | 121 | 126 | 122 | 112 | 112 | 124 | 125 |
| Black | 56 | 44 | 42 | 44 | 42 | 47 | 41 | 35 |
| Hispanic | 46 | 51 | 43 | 38 | 45 | 43 | 55 | 64 |
| American Indian/Alaska Native | 5 | 7 | 11 | 5 | 2 | 4 | 2 | 3 |
| Other/unknown race/ethnicity ^b | 26 | 30 | 37 | 33 | 62 | 56 | 34 | 37 |
| Physics and astronomy | 859 | 831 | 802 | 695 | 685 | 674 | 687 | 727 |
| White | 739 | 686 | 662 | 547 | 534 | 546 | 544 | 618 |
| Asian ^a | 69 | 81 | 74 | 71 | 72 | 52 | 72 | 58 |
| Black | 10 | 17 | 13 | 23 | 13 | 13 | 14 | 13 |
| Hispanic | 17 | 26 | 22 | 25 | 27 | 19 | 19 | 15 |
| American Indian/Alaska Native | 4 | 2 | 1 | 2 | 0 | 1 | 2 | 1 |
| Other/unknown race/ethnicity ^b | 20 | 19 | 30 | 27 | 39 | 43 | 36 | 22 |
| Psychology | 3,293 | 3,231 | 2,991 | 2,802 | 2,859 | 2,788 | 2,892 | 2,798 |
| White | 2,701 | 2,607 | 2,420 | 2,236 | 2,264 | 2,137 | 2,285 | 2,119 |
| Asian ^a | 132 | 145 | 114 | 121 | 119 | 152 | 132 | 171 |
| Black | 172 | 189 | 174 | 170 | 169 | 206 | 164 | 176 |
| Hispanic | 216 | 211 | 169 | 184 | 170 | 172 | 189 | 210 |
| American Indian/Alaska Native | 35 | 22 | 17 | 15 | 22 | 12 | 15 | 15 |
| Other/unknown race/ethnicity ^b | 37 | 57 | 97 | 76 | 115 | 109 | 107 | 107 |
| Social sciences | 2,868 | 2,908 | 2,743 | 2,734 | 2,715 | 2,753 | 2,546 | 2,725 |
| White | 2,247 | 2,302 | 2,135 | 2,105 | 2,048 | 2,123 | 1,939 | 2,042 |
| Asian ^a | 199 | 176 | 180 | 168 | 169 | 166 | 167 | 186 |
| Black | 195 | 203 | 190 | 192 | 187 | 188 | 169 | 202 |
| Hispanic | 121 | 112 | 122 | 135 | 154 | 138 | 151 | 166 |
| American Indian/Alaska Native | 29 | 20 | 20 | 22 | 16 | 13 | 19 | 13 |
| Other/unknown race/ethnicity ^b | 77 | 95 | 96 | 112 | 141 | 125 | 101 | 116 |
| Economics | 543 | 501 | 464 | 426 | 408 | 401 | 385 | 399 |
| White | 417 | 395 | 359 | 328 | 313 | 309 | 292 | 274 |
| Asian ^a | 65 | 48 | 59 | 56 | 55 | 42 | 43 | 62 |
| Black | 28 | 22 | 13 | 13 | 11 | 24 | 10 | 22 |
| Hispanic | 21 | 22 | 18 | 16 | 17 | 11 | 27 | 23 |
| American Indian/Alaska Native | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 2 |
| Other/unknown race/ethnicity ^b | 11 | 13 | 13 | 13 | 11 | 15 | 12 | 16 |
| Political science and public administration | 806 | 802 | 751 | 733 | 767 | 732 | 724 | 715 |
| White | 641 | 637 | 587 | 577 | 595 | 575 | 572 | 553 |
| Asian ^a | 45 | 38 | 36 | 33 | 31 | 38 | 33 | 26 |
| Black | 59 | 61 | 71 | 63 | 70 | 64 | 56 | 70 |
| Hispanic | 31 | 28 | 23 | 36 | 32 | 31 | 36 | 41 |
| American Indian/Alaska Native | 7 | 4 | 5 | 3 | 7 | 2 | 4 | 2 |
| Other/unknown race/ethnicity ^b | 23 | 34 | 29 | 21 | 32 | 22 | 23 | 23 |
| Sociology | 459 | 515 | 473 | 479 | 487 | 467 | 426 | 475 |
| White | 346 | 383 | 352 | 351 | 348 | 359 | 303 | 362 |
| Asian ^a | 30 | 32 | 27 | 29 | 22 | 28 | 30 | 22 |
| Black | 45 | 57 | 44 | 47 | 47 | 37 | 41 | 42 |
| Hispanic | 26 | 26 | 39 | 25 | 40 | 27 | 34 | 35 |
| American Indian/Alaska Native | 4 | 6 | 2 | 7 | 0 | 2 | 4 | 0 |
| Other/unknown race/ethnicity ^b | 8 | 11 | 9 | 20 | 30 | 14 | 14 | 14 |
| Other | 1060 | 1090 | 1055 | 1096 | 1053 | 1153 | 1011 | 1136 |
| White | 843 | 887 | 837 | 849 | 792 | 880 | 772 | 853 |
| Asian ^a | 59 | 58 | 58 | 50 | 61 | 58 | 61 | 76 |
| Black | 63 | 63 | 62 | 69 | 59 | 63 | 62 | 68 |
| Hispanic | 43 | 36 | 42 | 58 | 65 | 69 | 54 | 67 |
| American Indian/Alaska Native | 17 | 9 | 11 | 12 | 8 | 9 | 10 | 9 |
| Other/unknown race/ethnicity ^b | 35 | 37 | 45 | 58 | 68 | 74 | 52 | 63 |
| Engineering | 2,891 | 2,573 | 2,455 | 2,167 | 2,178 | 2,188 | 2,285 | 2,485 |
| White | 2,111 | 1,890 | 1,756 | 1,479 | 1,560 | 1,548 | 1,606 | 1,723 |
| Asian ^a | 513 | 440 | 427 | 409 | 347 | 354 | 404 | 438 |
| Black | 98 | 81 | 92 | 85 | 77 | 94 | 100 | 103 |

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1999–2006

| Field and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|
| Hispanic | 83 | 82 | 91 | 98 | 104 | 88 | 89 | 112 |
| American Indian/Alaska Native | 12 | 8 | 6 | 6 | 12 | 6 | 9 | 4 |
| Other/unknown race/ethnicity ^b | 74 | 72 | 83 | 90 | 78 | 98 | 77 | 105 |
| Chemical engineering | 371 | 383 | 362 | 335 | 292 | 314 | 331 | 377 |
| White | 286 | 280 | 273 | 223 | 210 | 218 | 237 | 270 |
| Asian ^a | 58 | 70 | 53 | 70 | 46 | 58 | 46 | 62 |
| Black | 11 | 8 | 17 | 12 | 9 | 10 | 14 | 13 |
| Hispanic | 7 | 18 | 7 | 16 | 16 | 12 | 21 | 22 |
| American Indian/Alaska Native | 2 | 1 | 1 | 1 | 1 | 2 | 0 | 0 |
| Other/unknown race/ethnicity ^b | 7 | 6 | 11 | 13 | 10 | 14 | 13 | 10 |
| Civil engineering | 312 | 261 | 270 | 248 | 269 | 224 | 252 | 243 |
| White | 241 | 194 | 194 | 185 | 217 | 156 | 191 | 166 |
| Asian ^a | 46 | 43 | 38 | 29 | 20 | 34 | 33 | 42 |
| Black | 6 | 6 | 11 | 13 | 9 | 7 | 9 | 14 |
| Hispanic | 12 | 9 | 9 | 9 | 13 | 20 | 11 | 13 |
| American Indian/Alaska Native | 2 | 1 | 0 | 0 | 1 | 3 | 0 | 0 |
| Other/unknown race/ethnicity ^b | 5 | 8 | 18 | 12 | 9 | 4 | 8 | 8 |
| Electrical engineering | 766 | 649 | 566 | 507 | 502 | 501 | 566 | 553 |
| White | 510 | 444 | 370 | 305 | 296 | 315 | 352 | 354 |
| Asian ^a | 172 | 141 | 137 | 131 | 134 | 109 | 144 | 132 |
| Black | 30 | 21 | 22 | 16 | 21 | 33 | 31 | 20 |
| Hispanic | 30 | 22 | 22 | 31 | 23 | 15 | 15 | 19 |
| American Indian/Alaska Native | 1 | 0 | 1 | 0 | 5 | 1 | 3 | 1 |
| Other/unknown race/ethnicity ^b | 23 | 21 | 14 | 24 | 23 | 28 | 21 | 27 |
| Mechanical engineering | 464 | 396 | 428 | 343 | 333 | 298 | 324 | 383 |
| White | 336 | 279 | 302 | 227 | 246 | 210 | 238 | 278 |
| Asian ^a | 88 | 72 | 75 | 70 | 51 | 47 | 50 | 57 |
| Black | 12 | 18 | 17 | 17 | 9 | 17 | 11 | 15 |
| Hispanic | 9 | 12 | 21 | 12 | 13 | 10 | 13 | 11 |
| American Indian/Alaska Native | 2 | 3 | 1 | 1 | 1 | 0 | 4 | 3 |
| Other/unknown race/ethnicity ^b | 17 | 12 | 12 | 16 | 13 | 14 | 8 | 19 |
| Other | 978 | 884 | 829 | 734 | 782 | 851 | 812 | 929 |
| White | 738 | 693 | 617 | 539 | 591 | 649 | 588 | 655 |
| Asian ^a | 149 | 114 | 124 | 109 | 96 | 106 | 131 | 145 |
| Black | 39 | 28 | 25 | 27 | 29 | 27 | 35 | 41 |
| Hispanic | 25 | 21 | 32 | 30 | 39 | 31 | 29 | 47 |
| American Indian/Alaska Native | 5 | 3 | 3 | 4 | 4 | 0 | 2 | 0 |
| Other/unknown race/ethnicity ^b | 22 | 25 | 28 | 25 | 23 | 38 | 27 | 41 |

^a Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001-2006 per revised Office of Management and Budget guidelines.

^b Includes only those with unknown race/ethnicity through 2000. In 2001, this category was expanded to include Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1999–2006.

TABLE F-7. Top baccalaureate institutions of black S&E doctorate recipients: 2002–06

| Academic institution | Doctorates |
|--|------------|
| All institutions | 4,604 |
| Foreign institutions | 1,053 |
| Unknown | 162 |
| Top 51 U.S. | 1,468 |
| Howard University | 102 |
| Spelman College | 78 |
| Florida Agricultural and Mechanical University | 70 |
| Hampton University | 67 |
| Morehouse College | 51 |
| Morgan State University | 43 |
| Tuskegee University | 43 |
| North Carolina Agricultural & Technical State University | 42 |
| Southern University A&M College at Baton Rouge | 42 |
| Xavier University of Louisiana | 40 |
| University of Maryland at College Park | 37 |
| Harvard University | 35 |
| University of California-Berkeley | 34 |
| University of Michigan at Ann Arbor | 32 |
| Jackson State University | 30 |
| Yale University | 30 |
| University of Virginia, main campus | 28 |
| Alabama Agricultural and Mechanical University | 25 |
| University of Illinois at Urbana-Champaign | 25 |
| University of North Carolina at Chapel Hill | 25 |
| University of Pennsylvania | 25 |
| Massachusetts Institute of Technology | 24 |
| Norfolk State University | 24 |
| University of Maryland Baltimore County | 24 |
| Prairie View A&M University | 23 |
| Princeton University | 23 |
| CUNY City College | 22 |
| Stanford University | 22 |
| Brown University | 21 |
| Georgia Institute of Technology, main campus | 21 |
| Grambling State University | 21 |
| Clark Atlanta University | 20 |
| Cornell University, all campuses | 20 |
| Duke University | 19 |
| North Carolina State University at Raleigh | 19 |
| Tougaloo College | 19 |
| Oakwood College | 18 |
| Tennessee State University | 18 |
| Fisk University | 17 |
| University of Texas at Austin | 17 |
| Louisiana State University and A&M College | 16 |
| Michigan State University | 16 |
| Pennsylvania State University, main campus | 16 |
| Rutgers University New Brunswick/Piscataway | 16 |
| Texas A&M University, main campus | 16 |
| Tulane University | 16 |
| University of California-Los Angeles | 16 |
| Florida State University | 15 |
| New York University | 15 |
| University of Alabama | 15 |
| Wayne State University | 15 |
| Other U.S. | 1,921 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–2006.

TABLE F-8. Top baccalaureate institutions of Hispanic S&E doctorate recipients: 2002–06

| Academic institution | Doctorates |
|---|------------|
| All institutions | 6,810 |
| Foreign | 2,929 |
| Unknown | 320 |
| Top 49 U.S. | 1,926 |
| University of Puerto Rico Rio Piedras campus | 206 |
| University of Puerto Rico Mayaguez campus | 195 |
| University of California-Berkeley | 97 |
| University of California-Los Angeles | 73 |
| University of Texas at Austin | 68 |
| University of Florida | 66 |
| Florida International University | 62 |
| Massachusetts Institute of Technology | 50 |
| University of Miami | 47 |
| University of California-San Diego | 45 |
| University of Texas at El Paso | 44 |
| Texas A&M University, main campus | 43 |
| Cornell University, all campuses | 42 |
| University of California-Davis | 42 |
| New Mexico State University, all campuses | 41 |
| University of California-Irvine | 41 |
| Stanford University | 37 |
| University of New Mexico, all campuses | 36 |
| University of Puerto Rico Humacao University College | 36 |
| Harvard University | 35 |
| Princeton University | 31 |
| Rutgers University New Brunswick/Piscataway | 30 |
| University of California-Santa Cruz | 30 |
| University of Michigan at Ann Arbor | 30 |
| University of Illinois at Urbana-Champaign | 29 |
| University of Texas at San Antonio | 29 |
| University of Arizona | 28 |
| University of California-Santa Barbara | 26 |
| Arizona State University, main campus | 24 |
| San Diego State University | 22 |
| California State Polytechnic University-San Luis Obispo | 21 |
| Columbia University in the City of New York | 21 |
| Florida State University | 21 |
| University of Puerto Rico Cayey University College | 20 |
| Pennsylvania State University, main campus | 19 |
| St Mary's University | 19 |
| University of Houston | 19 |
| University of Maryland at College Park | 19 |
| University of Puerto Rico Medical Sciences campus | 19 |
| University of California-Riverside | 18 |
| CUNY City College | 17 |
| University of Colorado at Boulder | 17 |
| University of South Florida | 17 |
| California State University-Long Beach | 16 |
| California State University-Northridge | 16 |
| New York University | 16 |
| The Pontifical Catholic University of Puerto Rico | 16 |
| Duke University | 15 |
| University of Notre Dame | 15 |
| Other U.S. | 1,635 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–2006.

TABLE F-9. Top baccalaureate institutions of American Indian/Alaska Native S&E doctorate recipients: 2002–06

| Academic institution | Doctorates |
|---|------------|
| All institutions | 329 |
| Foreign | 17 |
| Unknown | 15 |
| Top 6 U.S. | 32 |
| Oklahoma State University, all campuses | 6 |
| University of Central Oklahoma | 6 |
| University of Florida | 5 |
| University of Oklahoma-Norman | 5 |
| University of Tulsa | 5 |
| University of Washington-Seattle | 5 |
| Other U.S. | 265 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–2006.

TABLE F-10. Top baccalaureate institutions of Asian S&E doctorate recipients:
2002–06

| Academic institution | Doctorates |
|---|------------|
| All institutions | 38,309 |
| Foreign | 30,098 |
| Unknown | 1,484 |
| Top 50 U.S. | 4,047 |
| University of California-Berkeley | 492 |
| University of California-Los Angeles | 249 |
| Massachusetts Institute of Technology | 242 |
| Harvard University | 193 |
| Cornell University, all campuses | 177 |
| Stanford University | 140 |
| University of California-Davis | 119 |
| University of Michigan at Ann Arbor | 114 |
| University of California-San Diego | 111 |
| University of Texas at Austin | 102 |
| University of Illinois at Urbana-Champaign | 95 |
| University of California-Irvine | 93 |
| California Institute of Technology | 91 |
| University of Wisconsin-Madison | 83 |
| University of Pennsylvania | 80 |
| Princeton University | 75 |
| University of Maryland at College Park | 75 |
| Rutgers University New Brunswick/Piscataway | 71 |
| Yale University | 70 |
| University of Chicago | 69 |
| Northwestern University | 66 |
| Johns Hopkins University | 65 |
| Columbia University in the City of New York | 62 |
| University of Washington-Seattle | 57 |
| University of Hawaii at Manoa | 56 |
| University of Minnesota-Twin Cities | 54 |
| Brown University | 53 |
| Carnegie Mellon University | 53 |
| University of Virginia, main campus | 52 |
| SUNY at Stony Brook | 49 |
| Duke University | 47 |
| Purdue University, main campus | 43 |
| Ohio State University, main campus | 42 |
| University of Southern California | 42 |
| Pennsylvania State University, main campus | 41 |
| Boston University | 40 |
| New York University | 40 |
| Texas A&M University, main campus | 39 |
| Georgia Institute of Technology, main campus | 38 |
| Rensselaer Polytechnic Institute | 38 |
| University of Florida | 38 |
| University of Rochester | 38 |
| Rice University | 36 |
| University of Arizona | 33 |
| University of California-Riverside | 32 |
| Iowa State University | 31 |
| Pomona College | 31 |
| Washington University | 31 |
| Wellesley College | 30 |
| Virginia Polytechnic Institute and State University | 29 |
| Other U.S. | 2,680 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–2006.

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

| Field, sex, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| All S&E | 17,570 | 17,117 | 16,350 | 15,535 | 15,740 | 15,746 | 16,024 | 16,712 |
| Female | 7,074 | 7,134 | 6,884 | 6,711 | 6,831 | 6,853 | 7,139 | 7,468 |
| Male | 10,496 | 9,981 | 9,466 | 8,823 | 8,909 | 8,893 | 8,883 | 9,244 |
| Unknown | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 |
| White | 13,721 | 13,444 | 12,746 | 11,930 | 12,029 | 12,033 | 12,268 | 12,672 |
| Female | 5,458 | 5,511 | 5,257 | 5,044 | 5,132 | 5,098 | 5,317 | 5,483 |
| Male | 8,263 | 7,933 | 7,489 | 6,885 | 6,897 | 6,935 | 6,951 | 7,189 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Asian ^a | 1,932 | 1,707 | 1,635 | 1,620 | 1,529 | 1,494 | 1,634 | 1,766 |
| Female | 715 | 680 | 683 | 679 | 645 | 677 | 746 | 828 |
| Male | 1,217 | 1,027 | 952 | 941 | 884 | 817 | 887 | 938 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Black | 716 | 710 | 703 | 688 | 664 | 751 | 706 | 741 |
| Female | 369 | 391 | 375 | 372 | 378 | 422 | 395 | 436 |
| Male | 347 | 319 | 328 | 316 | 286 | 329 | 311 | 305 |
| Hispanic | 722 | 730 | 670 | 723 | 744 | 718 | 802 | 872 |
| Female | 362 | 350 | 334 | 379 | 366 | 363 | 408 | 442 |
| Male | 360 | 379 | 336 | 344 | 378 | 355 | 394 | 430 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| American Indian/Alaska Native | 114 | 88 | 73 | 69 | 73 | 60 | 67 | 48 |
| Female | 55 | 45 | 32 | 33 | 39 | 27 | 32 | 23 |
| Male | 59 | 43 | 41 | 36 | 34 | 33 | 35 | 25 |
| Other/unknown race/ethnicity ^b | 365 | 438 | 523 | 505 | 701 | 690 | 547 | 613 |
| Female | 115 | 157 | 203 | 204 | 271 | 266 | 241 | 256 |
| Male | 250 | 280 | 320 | 301 | 430 | 424 | 305 | 357 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Science | 14,679 | 14,544 | 13,895 | 13,368 | 13,562 | 13,558 | 13,739 | 14,227 |
| Female | 6,581 | 6,642 | 6,404 | 6,267 | 6,390 | 6,381 | 6,661 | 6,890 |
| Male | 8,098 | 7,900 | 7,491 | 7,100 | 7,172 | 7,177 | 7,077 | 7,337 |
| Unknown | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 |
| White | 11,610 | 11,554 | 10,990 | 10,451 | 10,469 | 10,485 | 10,662 | 10,949 |
| Female | 5,106 | 5,177 | 4,939 | 4,767 | 4,831 | 4,781 | 5,022 | 5,131 |
| Male | 6,504 | 6,377 | 6,051 | 5,683 | 5,638 | 5,704 | 5,640 | 5,818 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Asian ^a | 1,419 | 1,267 | 1,208 | 1,211 | 1,182 | 1,140 | 1,230 | 1,328 |
| Female | 630 | 570 | 584 | 580 | 564 | 593 | 646 | 696 |
| Male | 789 | 697 | 624 | 631 | 618 | 547 | 583 | 632 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Black | 618 | 629 | 611 | 603 | 587 | 657 | 606 | 638 |
| Female | 345 | 367 | 350 | 344 | 359 | 388 | 369 | 394 |
| Male | 273 | 262 | 261 | 259 | 228 | 269 | 237 | 244 |
| Hispanic | 639 | 648 | 579 | 625 | 640 | 630 | 713 | 760 |
| Female | 339 | 337 | 311 | 354 | 343 | 342 | 379 | 409 |
| Male | 300 | 310 | 268 | 271 | 297 | 288 | 334 | 351 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| American Indian/Alaska Native | 102 | 80 | 67 | 63 | 61 | 54 | 58 | 44 |
| Female | 53 | 41 | 30 | 33 | 36 | 25 | 31 | 23 |
| Male | 49 | 39 | 37 | 30 | 25 | 29 | 27 | 21 |
| Other/unknown race/ethnicity ^b | 291 | 366 | 440 | 415 | 623 | 592 | 470 | 508 |
| Female | 108 | 150 | 190 | 189 | 257 | 252 | 214 | 237 |
| Male | 183 | 215 | 250 | 226 | 366 | 340 | 256 | 271 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Agricultural sciences | 561 | 559 | 506 | 492 | 562 | 566 | 557 | 577 |
| Female | 185 | 195 | 195 | 181 | 200 | 226 | 224 | 223 |
| Male | 376 | 364 | 311 | 310 | 362 | 340 | 333 | 354 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

| Field, sex, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| White | 456 | 452 | 430 | 417 | 465 | 470 | 486 | 479 |
| Female | 147 | 158 | 157 | 150 | 157 | 171 | 181 | 179 |
| Male | 309 | 294 | 273 | 266 | 308 | 299 | 305 | 300 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Asian ^a | 50 | 36 | 25 | 29 | 26 | 31 | 22 | 29 |
| Female | 19 | 12 | 13 | 15 | 16 | 23 | 13 | 15 |
| Male | 31 | 24 | 12 | 14 | 10 | 8 | 9 | 14 |
| Black | 27 | 22 | 14 | 13 | 22 | 20 | 16 | 24 |
| Female | 9 | 11 | 6 | 5 | 8 | 11 | 12 | 8 |
| Male | 18 | 11 | 8 | 8 | 14 | 9 | 4 | 16 |
| Hispanic | 16 | 29 | 26 | 21 | 25 | 16 | 18 | 27 |
| Female | 7 | 11 | 14 | 8 | 11 | 11 | 10 | 14 |
| Male | 9 | 18 | 12 | 13 | 14 | 5 | 8 | 13 |
| American Indian/Alaska Native | 1 | 5 | 0 | 2 | 4 | 4 | 3 | 3 |
| Female | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 2 |
| Male | 1 | 4 | 0 | 2 | 3 | 2 | 1 | 1 |
| Other/unknown race/ethnicity ^b | 11 | 15 | 11 | 10 | 20 | 25 | 12 | 15 |
| Female | 3 | 2 | 5 | 3 | 7 | 8 | 6 | 5 |
| Male | 8 | 13 | 6 | 7 | 13 | 17 | 6 | 10 |
| Biological sciences | 4,123 | 4,268 | 4,252 | 4,117 | 4,061 | 4,197 | 4,392 | 4,467 |
| Female | 1,864 | 1,988 | 1,974 | 1,919 | 1,918 | 2,006 | 2,168 | 2,224 |
| Male | 2,259 | 2,280 | 2,278 | 2,198 | 2,143 | 2,191 | 2,223 | 2,243 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| White | 3,128 | 3,307 | 3,261 | 3,122 | 3,061 | 3,189 | 3,332 | 3,401 |
| Female | 1,402 | 1,510 | 1,489 | 1,392 | 1,449 | 1,467 | 1,606 | 1,676 |
| Male | 1,726 | 1,797 | 1,772 | 1,730 | 1,612 | 1,722 | 1,726 | 1,725 |
| Asian ^a | 608 | 539 | 547 | 561 | 530 | 490 | 536 | 539 |
| Female | 276 | 263 | 267 | 290 | 254 | 260 | 284 | 278 |
| Male | 332 | 276 | 280 | 271 | 276 | 230 | 251 | 261 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Black | 116 | 118 | 139 | 125 | 108 | 149 | 159 | 148 |
| Female | 66 | 74 | 84 | 68 | 64 | 89 | 101 | 91 |
| Male | 50 | 44 | 55 | 57 | 44 | 60 | 58 | 57 |
| Hispanic | 174 | 174 | 165 | 182 | 176 | 192 | 227 | 225 |
| Female | 76 | 92 | 77 | 114 | 80 | 108 | 113 | 108 |
| Male | 98 | 82 | 88 | 68 | 96 | 84 | 114 | 117 |
| American Indian/Alaska Native | 20 | 17 | 15 | 12 | 11 | 14 | 12 | 6 |
| Female | 10 | 7 | 7 | 6 | 8 | 4 | 6 | 2 |
| Male | 10 | 10 | 8 | 6 | 3 | 10 | 6 | 4 |
| Other/unknown race/ethnicity ^b | 77 | 113 | 125 | 115 | 175 | 163 | 126 | 148 |
| Female | 34 | 42 | 50 | 49 | 63 | 78 | 58 | 69 |
| Male | 43 | 71 | 75 | 66 | 112 | 85 | 68 | 79 |
| Computer sciences | 493 | 458 | 429 | 422 | 446 | 447 | 469 | 579 |
| Female | 106 | 86 | 98 | 98 | 99 | 102 | 102 | 127 |
| Male | 387 | 372 | 331 | 324 | 347 | 345 | 367 | 452 |
| White | 356 | 337 | 325 | 292 | 308 | 320 | 323 | 407 |
| Female | 71 | 62 | 60 | 60 | 65 | 70 | 58 | 79 |
| Male | 285 | 275 | 265 | 232 | 243 | 250 | 265 | 328 |
| Asian ^a | 87 | 76 | 64 | 87 | 81 | 72 | 92 | 126 |
| Female | 19 | 15 | 20 | 26 | 17 | 19 | 27 | 41 |
| Male | 68 | 61 | 44 | 61 | 64 | 53 | 65 | 85 |
| Black | 19 | 18 | 15 | 17 | 17 | 17 | 15 | 15 |
| Female | 10 | 5 | 10 | 7 | 5 | 5 | 8 | 4 |
| Male | 9 | 13 | 5 | 10 | 12 | 12 | 7 | 11 |
| Hispanic | 14 | 14 | 8 | 14 | 11 | 13 | 12 | 7 |

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

| Field, sex, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Female | 3 | 3 | 4 | 2 | 5 | 3 | 3 | 3 |
| Male | 11 | 11 | 4 | 12 | 6 | 10 | 9 | 4 |
| American Indian/Alaska Native | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| Female | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Male | 0 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| Other/unknown race/ethnicity ^b | 16 | 12 | 16 | 10 | 27 | 23 | 26 | 22 |
| Female | 2 | 1 | 4 | 3 | 7 | 5 | 6 | 0 |
| Male | 14 | 11 | 12 | 7 | 20 | 18 | 20 | 22 |
| Earth, atmospheric, and ocean sciences | 471 | 474 | 411 | 433 | 451 | 438 | 442 | 473 |
| Female | 135 | 145 | 138 | 163 | 153 | 175 | 164 | 178 |
| Male | 336 | 329 | 273 | 270 | 298 | 263 | 278 | 295 |
| White | 387 | 411 | 354 | 374 | 379 | 379 | 384 | 406 |
| Female | 110 | 124 | 122 | 140 | 123 | 152 | 138 | 149 |
| Male | 277 | 287 | 232 | 234 | 256 | 227 | 246 | 257 |
| Asian ^a | 35 | 23 | 27 | 24 | 22 | 11 | 18 | 24 |
| Female | 10 | 9 | 7 | 10 | 8 | 4 | 9 | 13 |
| Male | 25 | 14 | 20 | 14 | 14 | 7 | 9 | 11 |
| Black | 11 | 4 | 5 | 5 | 13 | 7 | 6 | 5 |
| Female | 4 | 1 | 2 | 0 | 7 | 1 | 1 | 2 |
| Male | 7 | 3 | 3 | 5 | 6 | 6 | 5 | 3 |
| Hispanic | 20 | 16 | 9 | 14 | 15 | 11 | 18 | 21 |
| Female | 4 | 3 | 5 | 2 | 6 | 5 | 8 | 11 |
| Male | 16 | 13 | 4 | 12 | 9 | 6 | 10 | 10 |
| American Indian/Alaska Native | 6 | 4 | 0 | 0 | 2 | 4 | 4 | 1 |
| Female | 3 | 1 | 0 | 0 | 1 | 0 | 3 | 0 |
| Male | 3 | 3 | 0 | 0 | 1 | 4 | 1 | 1 |
| Other/unknown race/ethnicity ^b | 12 | 16 | 16 | 16 | 20 | 26 | 12 | 16 |
| Female | 4 | 7 | 2 | 11 | 8 | 13 | 5 | 3 |
| Male | 8 | 9 | 14 | 5 | 12 | 13 | 7 | 13 |
| Mathematics and statistics | 605 | 574 | 528 | 444 | 517 | 511 | 542 | 615 |
| Female | 192 | 164 | 155 | 135 | 152 | 154 | 151 | 169 |
| Male | 413 | 409 | 373 | 309 | 365 | 357 | 391 | 446 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| White | 506 | 464 | 429 | 371 | 407 | 399 | 413 | 475 |
| Female | 159 | 126 | 120 | 112 | 110 | 125 | 106 | 109 |
| Male | 347 | 338 | 309 | 259 | 297 | 274 | 307 | 366 |
| Asian ^a | 56 | 70 | 51 | 28 | 51 | 54 | 67 | 70 |
| Female | 20 | 21 | 17 | 5 | 24 | 17 | 28 | 32 |
| Male | 36 | 49 | 34 | 23 | 27 | 37 | 39 | 38 |
| Black | 12 | 14 | 19 | 14 | 16 | 10 | 22 | 20 |
| Female | 6 | 7 | 7 | 8 | 5 | 3 | 7 | 8 |
| Male | 6 | 7 | 12 | 6 | 11 | 7 | 15 | 12 |
| Hispanic | 15 | 15 | 15 | 12 | 17 | 26 | 24 | 25 |
| Female | 5 | 7 | 5 | 4 | 7 | 7 | 6 | 10 |
| Male | 10 | 8 | 10 | 8 | 10 | 19 | 18 | 15 |
| American Indian/Alaska Native | 1 | 2 | 2 | 3 | 2 | 0 | 0 | 0 |
| Female | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| Male | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| Other/unknown race/ethnicity ^b | 15 | 9 | 12 | 16 | 24 | 22 | 16 | 25 |
| Female | 2 | 2 | 5 | 5 | 5 | 2 | 4 | 10 |
| Male | 13 | 6 | 7 | 11 | 19 | 20 | 12 | 15 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Physical sciences | 2,265 | 2,072 | 2,035 | 1,924 | 1,951 | 1,858 | 1,899 | 1,993 |
| Female | 547 | 540 | 523 | 531 | 561 | 502 | 562 | 578 |

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

| Field, sex, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Male | 1,718 | 1,532 | 1,512 | 1,393 | 1,390 | 1,356 | 1,337 | 1,415 |
| White | 1,829 | 1,674 | 1,636 | 1,534 | 1,537 | 1,468 | 1,500 | 1,620 |
| Female | 391 | 414 | 391 | 410 | 421 | 382 | 430 | 433 |
| Male | 1,438 | 1,260 | 1,245 | 1,124 | 1,116 | 1,086 | 1,070 | 1,187 |
| Asian ^a | 252 | 202 | 200 | 193 | 184 | 164 | 196 | 183 |
| Female | 93 | 70 | 73 | 61 | 72 | 53 | 66 | 79 |
| Male | 159 | 132 | 127 | 132 | 112 | 111 | 130 | 104 |
| Black | 66 | 61 | 55 | 67 | 55 | 60 | 55 | 48 |
| Female | 29 | 21 | 20 | 28 | 19 | 25 | 17 | 20 |
| Male | 37 | 40 | 35 | 39 | 36 | 35 | 38 | 28 |
| Hispanic | 63 | 77 | 65 | 63 | 72 | 62 | 74 | 79 |
| Female | 22 | 25 | 22 | 22 | 23 | 24 | 32 | 30 |
| Male | 41 | 52 | 43 | 41 | 49 | 38 | 42 | 49 |
| American Indian/Alaska Native | 9 | 9 | 12 | 7 | 2 | 5 | 4 | 4 |
| Female | 3 | 2 | 2 | 0 | 1 | 1 | 0 | 1 |
| Male | 6 | 7 | 10 | 7 | 1 | 4 | 4 | 3 |
| Other/unknown race/ethnicity ^b | 46 | 49 | 67 | 60 | 101 | 99 | 70 | 59 |
| Female | 9 | 8 | 15 | 10 | 25 | 17 | 17 | 15 |
| Male | 37 | 41 | 52 | 50 | 76 | 82 | 53 | 44 |
| Psychology | 3,293 | 3,231 | 2,991 | 2,802 | 2,859 | 2,788 | 2,892 | 2,798 |
| Female | 2,229 | 2,178 | 2,012 | 1,884 | 1,965 | 1,891 | 1,990 | 2,019 |
| Male | 1,064 | 1,052 | 979 | 918 | 894 | 897 | 902 | 779 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| White | 2,701 | 2,607 | 2,420 | 2,236 | 2,264 | 2,137 | 2,285 | 2,119 |
| Female | 1,789 | 1,725 | 1,599 | 1,485 | 1,551 | 1,405 | 1,551 | 1,508 |
| Male | 912 | 882 | 821 | 751 | 713 | 732 | 734 | 611 |
| Asian ^a | 132 | 145 | 114 | 121 | 119 | 152 | 132 | 171 |
| Female | 98 | 99 | 89 | 82 | 81 | 126 | 106 | 124 |
| Male | 34 | 46 | 25 | 39 | 38 | 26 | 26 | 47 |
| Black | 172 | 189 | 174 | 170 | 169 | 206 | 164 | 176 |
| Female | 135 | 144 | 124 | 128 | 126 | 156 | 125 | 141 |
| Male | 37 | 45 | 50 | 42 | 43 | 50 | 39 | 35 |
| Hispanic | 216 | 211 | 169 | 184 | 170 | 172 | 189 | 210 |
| Female | 158 | 151 | 123 | 129 | 116 | 116 | 127 | 157 |
| Male | 58 | 59 | 46 | 55 | 54 | 56 | 62 | 53 |
| Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| American Indian/Alaska Native | 35 | 22 | 17 | 15 | 22 | 12 | 15 | 15 |
| Female | 23 | 19 | 12 | 8 | 14 | 9 | 9 | 12 |
| Male | 12 | 3 | 5 | 7 | 8 | 3 | 6 | 3 |
| Other/unknown race/ethnicity ^b | 37 | 57 | 97 | 76 | 115 | 109 | 107 | 107 |
| Female | 26 | 40 | 65 | 52 | 77 | 79 | 72 | 77 |
| Male | 11 | 17 | 32 | 24 | 38 | 30 | 35 | 30 |
| Social sciences | 2,868 | 2,908 | 2,743 | 2,734 | 2,715 | 2,753 | 2,546 | 2,725 |
| Female | 1,323 | 1,346 | 1,309 | 1,356 | 1,342 | 1,325 | 1,300 | 1,372 |
| Male | 1,545 | 1,562 | 1,434 | 1,378 | 1,373 | 1,428 | 1,246 | 1,353 |
| White | 2,247 | 2,302 | 2,135 | 2,105 | 2,048 | 2,123 | 1,939 | 2,042 |
| Female | 1,037 | 1,058 | 1,001 | 1,018 | 955 | 1,009 | 952 | 998 |
| Male | 1,210 | 1,244 | 1,134 | 1,087 | 1,093 | 1,114 | 987 | 1,044 |
| Asian ^a | 199 | 176 | 180 | 168 | 169 | 166 | 167 | 186 |
| Female | 95 | 81 | 98 | 91 | 92 | 91 | 113 | 114 |
| Male | 104 | 95 | 82 | 77 | 77 | 75 | 54 | 72 |
| Black | 195 | 203 | 190 | 192 | 187 | 188 | 169 | 202 |
| Female | 86 | 104 | 97 | 100 | 125 | 98 | 98 | 120 |
| Male | 109 | 99 | 93 | 92 | 62 | 90 | 71 | 82 |

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1999–2006

| Field, sex, and race/ethnicity | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|-------|-------|-------|-------|-------|
| Hispanic | 121 | 112 | 122 | 135 | 154 | 138 | 151 | 166 |
| Female | 64 | 45 | 61 | 73 | 95 | 68 | 80 | 76 |
| Male | 57 | 67 | 61 | 62 | 59 | 70 | 71 | 90 |
| American Indian/Alaska Native | 29 | 20 | 20 | 22 | 16 | 13 | 19 | 13 |
| Female | 13 | 10 | 8 | 18 | 10 | 9 | 11 | 6 |
| Male | 16 | 10 | 12 | 4 | 6 | 4 | 8 | 7 |
| Other/unknown race/ethnicity ^b | 77 | 95 | 96 | 112 | 141 | 125 | 101 | 116 |
| Female | 28 | 48 | 44 | 56 | 65 | 50 | 46 | 58 |
| Male | 49 | 47 | 52 | 56 | 76 | 75 | 55 | 58 |
| Engineering | 2,891 | 2,573 | 2,455 | 2,167 | 2,178 | 2,188 | 2,285 | 2,485 |
| Female | 493 | 492 | 480 | 444 | 441 | 472 | 478 | 578 |
| Male | 2,398 | 2,081 | 1,975 | 1,723 | 1,737 | 1,716 | 1,806 | 1,907 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| White | 2,111 | 1,890 | 1,756 | 1,479 | 1,560 | 1,548 | 1,606 | 1,723 |
| Female | 352 | 334 | 318 | 277 | 301 | 317 | 295 | 352 |
| Male | 1,759 | 1,556 | 1,438 | 1,202 | 1,259 | 1,231 | 1,311 | 1,371 |
| Asian ^a | 513 | 440 | 427 | 409 | 347 | 354 | 404 | 438 |
| Female | 85 | 110 | 99 | 99 | 81 | 84 | 100 | 132 |
| Male | 428 | 330 | 328 | 310 | 266 | 270 | 304 | 306 |
| Black | 98 | 81 | 92 | 85 | 77 | 94 | 100 | 103 |
| Female | 24 | 24 | 25 | 28 | 19 | 34 | 26 | 42 |
| Male | 74 | 57 | 67 | 57 | 58 | 60 | 74 | 61 |
| Hispanic | 83 | 82 | 91 | 98 | 104 | 88 | 89 | 112 |
| Female | 23 | 13 | 23 | 25 | 23 | 21 | 29 | 33 |
| Male | 60 | 69 | 68 | 73 | 81 | 67 | 60 | 79 |
| American Indian/Alaska Native | 12 | 8 | 6 | 6 | 12 | 6 | 9 | 4 |
| Female | 2 | 4 | 2 | 0 | 3 | 2 | 1 | 0 |
| Male | 10 | 4 | 4 | 6 | 9 | 4 | 8 | 4 |
| Other/unknown race/ethnicity ^b | 74 | 72 | 83 | 90 | 78 | 98 | 77 | 105 |
| Female | 7 | 7 | 13 | 15 | 14 | 14 | 27 | 19 |
| Male | 67 | 65 | 70 | 75 | 64 | 84 | 49 | 86 |
| Unknown | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

^a Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001–2006 per revised Office of Management and Budget guidelines.

^b Includes only those with unknown race/ethnicity through 2000. In 2001, this category was expanded to include Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998–2006.

TABLE F-12. Doctorates awarded to U.S. citizens and permanent residents, by sex, field, and race/ethnicity: 2006
(Percent distribution)

| Sex and field | All U.S. citizens and permanent residents | White | Asian ^a | Black | Hispanic | American Indian/ Alaska Native | Other/ unknown race/ ethnicity ^b |
|--|--|--------|--------------------|-------|----------|--------------------------------------|---|
| Female (number) | 14,610 | 10,862 | 1,242 | 1,131 | 823 | 64 | 488 |
| All fields | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| S&E | 51.1 | 50.5 | 66.7 | 38.5 | 53.7 | 35.9 | 52.5 |
| Science | 47.2 | 47.2 | 56.0 | 34.8 | 49.7 | 35.9 | 48.6 |
| Agricultural sciences | 1.5 | 1.6 | 1.2 | 0.7 | 1.7 | 3.1 | 1.0 |
| Biological sciences | 15.2 | 15.4 | 22.4 | 8.0 | 13.1 | 3.1 | 14.1 |
| Computer sciences | 0.9 | 0.7 | 3.3 | 0.4 | 0.4 | 0.0 | 0.0 |
| Earth, atmospheric, and ocean sciences | 1.2 | 1.4 | 1.0 | 0.2 | 1.3 | 0.0 | 0.6 |
| Mathematics and statistics | 1.2 | 1.0 | 2.6 | 0.7 | 1.2 | 0.0 | 2.0 |
| Physical sciences | 4.0 | 4.0 | 6.4 | 1.8 | 3.6 | 1.6 | 3.1 |
| Psychology | 13.8 | 13.9 | 10.0 | 12.5 | 19.1 | 18.8 | 15.8 |
| Social sciences | 9.4 | 9.2 | 9.2 | 10.6 | 9.2 | 9.4 | 11.9 |
| Engineering | 4.0 | 3.2 | 10.6 | 3.7 | 4.0 | 0.0 | 3.9 |
| Non-S&E | 48.9 | 49.5 | 33.3 | 61.5 | 46.3 | 64.1 | 47.5 |
| Education | 22.9 | 22.8 | 10.7 | 37.8 | 23.8 | 31.3 | 19.1 |
| Health | 6.7 | 6.8 | 7.0 | 8.8 | 4.3 | 4.7 | 4.9 |
| Humanities | 9.9 | 10.4 | 5.8 | 6.5 | 11.8 | 18.8 | 11.3 |
| Other non-S&E | 9.4 | 9.5 | 9.8 | 8.5 | 6.4 | 9.4 | 12.3 |
| Male (number) | 14,136 | 11,087 | 1,142 | 658 | 687 | 55 | 507 |
| All fields | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| S&E | 65.4 | 64.8 | 82.1 | 46.4 | 62.6 | 45.5 | 70.4 |
| Science | 51.9 | 52.5 | 55.3 | 37.1 | 51.1 | 38.2 | 53.5 |
| Agricultural sciences | 2.5 | 2.7 | 1.2 | 2.4 | 1.9 | 1.8 | 2.0 |
| Biological sciences | 15.9 | 15.6 | 22.9 | 8.7 | 17.0 | 7.3 | 15.6 |
| Computer sciences | 3.2 | 3.0 | 7.4 | 1.7 | 0.6 | 3.6 | 4.3 |
| Earth, atmospheric, and ocean sciences | 2.1 | 2.3 | 1.0 | 0.5 | 1.5 | 1.8 | 2.6 |
| Mathematics and statistics | 3.2 | 3.3 | 3.3 | 1.8 | 2.2 | 0.0 | 3.0 |
| Physical sciences | 10.0 | 10.7 | 9.1 | 4.3 | 7.1 | 5.5 | 8.7 |
| Psychology | 5.5 | 5.5 | 4.1 | 5.3 | 7.7 | 5.5 | 5.9 |
| Social sciences | 9.6 | 9.4 | 6.3 | 12.5 | 13.1 | 12.7 | 11.4 |
| Engineering | 13.5 | 12.4 | 26.8 | 9.3 | 11.5 | 7.3 | 17.0 |
| Non-S&E | 34.6 | 35.2 | 17.9 | 53.6 | 37.4 | 54.5 | 29.6 |
| Education | 12.5 | 12.3 | 3.9 | 31.5 | 13.4 | 27.3 | 9.1 |
| Health | 2.6 | 2.5 | 2.7 | 4.0 | 1.7 | 5.5 | 2.8 |
| Humanities | 9.8 | 10.5 | 3.2 | 6.8 | 13.0 | 9.1 | 10.3 |
| Other non-S&E | 9.7 | 9.9 | 8.1 | 11.4 | 9.3 | 12.7 | 7.5 |

^a Excludes Native Hawaiians/other Pacific Islanders per revised Office of Management and Budget guidelines.^b This category includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

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

TABLE F-13. S&E doctorate recipients, by disability status: 1999–2006

| Disability status | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| All S&E doctorate recipients | 25,931 | 25,966 | 25,528 | 24,608 | 25,281 | 26,275 | 27,989 | 29,854 |
| No disability | 25,594 | 25,638 | 25,186 | 24,279 | 24,968 | 25,989 | 27,682 | 29,548 |
| With disability | 337 | 328 | 342 | 329 | 313 | 286 | 307 | 306 |
| Blind/visually impaired | 54 | 49 | 39 | 26 | 28 | 22 | 24 | 30 |
| Deaf/hard of hearing | 40 | 38 | 48 | 42 | 48 | 33 | 40 | 43 |
| Learning disabilities | na | na | 84 | 78 | 74 | 99 | 89 | 89 |
| Physical/orthopedic disability | 96 | 94 | 99 | 121 | 95 | 88 | 86 | 85 |
| Vocal/speech disability | 6 | 6 | 8 | 8 | 11 | 11 | 14 | 12 |
| Other or more than one | 110 | 110 | 59 | 49 | 52 | 28 | 49 | 46 |
| Unspecified | 31 | 31 | 5 | 5 | 5 | 5 | 5 | 1 |

na = not available; not included in survey before 2001.

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1999–2006.

TABLE F-14. Top baccalaureate institutions of S&E doctorate recipients, by disability status: 2002–06

| Academic institution | Doctoral degrees | Academic institution | Doctoral degrees |
|---|------------------|---|------------------|
| No disability, all institutions | 132,466 | With disabilities, all institutions | 1,541 |
| Foreign | 45,546 | Foreign | 173 |
| Unknown | 12,299 | Unknown | 49 |
| Top 40 U.S. | 24,043 | Top 40 U.S. | 423 |
| University of California-Berkeley | 1,428 | University of California-Berkeley | 25 |
| Cornell University | 1,135 | Cornell University | 23 |
| University of Michigan-Ann Arbor | 918 | University of Minnesota-Twin Cities | 17 |
| University of Illinois-Urbana Champaign | 893 | University of Michigan-Ann Arbor | 16 |
| Massachusetts Institute of Technology | 867 | University of Florida | 15 |
| Harvard University | 851 | University of Maryland-College Park | 14 |
| Pennsylvania State University, main campus | 806 | Pennsylvania State University, main campus | 13 |
| University of California-Los Angeles | 797 | Brigham Young University | 12 |
| University of Texas-Austin | 781 | University of California-Santa Barbara | 12 |
| Brigham Young University | 698 | University of Virginia, main campus | 12 |
| University of Wisconsin-Madison | 698 | Oberlin College | 11 |
| University of California-San Diego | 680 | University of Arizona | 11 |
| University of Florida | 669 | University of California-Davis | 11 |
| University of California-Davis | 657 | University of California-Los Angeles | 11 |
| Stanford University | 596 | University of New Mexico, main campus | 11 |
| Texas A&M University | 589 | University of Pennsylvania | 11 |
| Rutgers University-New Brunswick/Piscataway | 580 | University of Washington-Seattle | 11 |
| Virginia Polytechnic Institute and State University | 551 | Princeton University | 10 |
| University of Virginia, main campus | 544 | Rutgers University-New Brunswick/Piscataway | 10 |
| Princeton University | 535 | University of California-Santa Cruz | 10 |
| University of Maryland-College Park | 518 | University of Massachusetts-Amherst | 10 |
| Brown University | 496 | University of Wisconsin-Madison | 10 |
| Duke University | 485 | Ohio State University, main campus | 9 |
| Purdue University, main campus | 484 | University of California-San Diego | 9 |
| Yale University | 482 | University of Texas-Austin | 9 |
| Michigan State University | 476 | Arizona State University, main campus | 8 |
| University of Minnesota-Twin Cities | 473 | Boston University | 8 |
| University of Washington-Seattle | 473 | California Polytechnic State University-San Luis Obispo | 8 |
| Ohio State University, main campus | 465 | Duke University | 8 |
| University of Arizona | 446 | Texas A&M University | 8 |
| University of Pennsylvania | 438 | California Institute of Technology | 7 |
| University of California-Santa Cruz | 432 | Columbia University | 7 |
| University of Colorado-Boulder | 425 | Harvard University | 7 |
| University of Chicago | 400 | Massachusetts Institute of Technology | 7 |
| University of North Carolina-Chapel Hill | 395 | Michigan State University | 7 |
| University of California-Santa Barbara | 393 | New York University | 7 |
| Boston University | 380 | Purdue University, main campus | 7 |
| Northwestern University | 372 | San Jose State University | 7 |
| Georgia Institute of Technology, main campus | 371 | University of Delaware | 7 |
| North Carolina State University at Raleigh | 366 | University of South Florida | 7 |
| Other U.S. | 50,578 | Other U.S. | 896 |

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability). Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-15. S&E doctorate recipients, by field and disability status: 2006

| Field | All recipients | No disability | | With disability | |
|--|----------------|---------------|---------|-----------------|---------|
| | | Number | Percent | Number | Percent |
| S&E | 29,854 | 29,548 | 100.0 | 306 | 100.0 |
| Science | 22,663 | 22,395 | 75.8 | 268 | 87.6 |
| Agricultural sciences | 1,033 | 1,025 | 3.5 | 8 | 2.6 |
| Biological sciences | 6,631 | 6,573 | 22.2 | 58 | 19.0 |
| Computer sciences | 1,452 | 1,436 | 4.9 | 16 | 5.2 |
| Earth, atmospheric, and ocean sciences | 757 | 748 | 2.5 | 9 | 2.9 |
| Mathematics and statistics | 1,327 | 1,318 | 4.5 | 9 | 2.9 |
| Physical sciences | 3,925 | 3,897 | 13.2 | 28 | 9.2 |
| Psychology | 3,263 | 3,181 | 10.8 | 82 | 26.8 |
| Social sciences | 4,275 | 4,217 | 14.3 | 58 | 19.0 |
| Anthropology | 511 | 505 | 1.7 | 6 | 2.0 |
| Area/ethnic studies | 130 | 124 | 0.4 | 6 | 2.0 |
| Political science | 998 | 977 | 3.3 | 21 | 6.9 |
| Sociology | 602 | 594 | 2.0 | 8 | 2.6 |
| Other | 2,034 | 2,017 | 6.8 | 17 | 5.6 |
| Engineering | 7,191 | 7,153 | 24.2 | 38 | 12.4 |
| Chemical engineering | 893 | 881 | 3.0 | 12 | 3.9 |
| Electrical engineering | 2,133 | 2,127 | 7.2 | 6 | 2.0 |
| Mechanical engineering | 1,148 | 1,142 | 3.9 | 6 | 2.0 |
| Other | 3,017 | 3,003 | 10.2 | 14 | 4.6 |

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

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

TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by field and sex: 2002–06
(Percent distribution)

| Sex and primary source of support | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering |
|---|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|
| All recipients (number) ^a | 79,757 | 68,454 | 2,754 | 21,234 | 2,363 | 2,237 | 2,629 | 9,625 | 14,139 | 13,473 | 11,303 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 18.4 | 19.6 | 17.8 | 7.6 | 19.5 | 8.6 | 8.3 | 5.1 | 41.7 | 30.1 | 11.1 |
| Loans | 6.4 | 7.2 | 3.8 | 1.7 | 3.0 | 1.2 | 1.3 | 0.9 | 20.6 | 10.0 | 1.7 |
| Savings | 1.7 | 1.6 | 2.0 | 0.6 | 3.4 | 1.4 | 0.9 | 0.4 | 2.6 | 2.9 | 2.0 |
| Other earnings in graduate school | 5.0 | 5.1 | 6.6 | 1.8 | 9.1 | 3.6 | 2.9 | 1.2 | 7.5 | 10.0 | 4.9 |
| Other family earnings or savings | 5.2 | 5.7 | 5.4 | 3.5 | 3.9 | 2.3 | 3.2 | 2.5 | 11.0 | 7.1 | 2.6 |
| Teaching assistantship | 14.5 | 15.9 | 7.6 | 9.3 | 8.6 | 13.6 | 49.3 | 18.6 | 14.7 | 22.7 | 5.7 |
| Research assistantship, traineeship, and internship | 26.8 | 24.6 | 39.6 | 25.3 | 36.4 | 37.9 | 10.3 | 47.0 | 17.1 | 10.8 | 39.9 |
| Research assistantship | 24.2 | 21.8 | 38.6 | 20.8 | 35.3 | 37.2 | 9.4 | 45.8 | 13.0 | 9.5 | 39.0 |
| Traineeship, internship or residency, other assistantship | 2.5 | 2.8 | 1.0 | 4.5 | 1.0 | 0.7 | 1.0 | 1.2 | 4.1 | 1.3 | 0.9 |
| Fellowship/scholarship and dissertation grant | 31.8 | 32.2 | 22.7 | 51.9 | 20.4 | 32.4 | 25.3 | 23.8 | 17.0 | 28.6 | 29.5 |
| Fellowship/scholarship | 22.7 | 22.6 | 16.8 | 30.4 | 16.1 | 24.9 | 21.8 | 17.6 | 13.3 | 25.7 | 23.5 |
| Grant/stipend | 9.1 | 9.6 | 6.0 | 21.5 | 4.2 | 7.5 | 3.4 | 6.2 | 3.7 | 2.9 | 6.0 |
| Employer reimbursement or assistance | 3.3 | 2.4 | 6.6 | 1.6 | 8.9 | 3.7 | 3.0 | 1.5 | 1.3 | 2.9 | 8.8 |
| Other/unknown source of support | 5.2 | 5.3 | 5.6 | 4.3 | 6.3 | 3.8 | 3.8 | 4.1 | 8.2 | 5.0 | 4.9 |
| Female (number) | 35,002 | 32,589 | 1,054 | 10,235 | 528 | 833 | 761 | 2,734 | 9,749 | 6,695 | 2,413 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 22.4 | 23.3 | 17.6 | 8.1 | 22.9 | 6.6 | 8.7 | 5.0 | 42.7 | 30.7 | 9.5 |
| Loans | 8.7 | 9.2 | 4.2 | 1.6 | 4.0 | 1.2 | 1.4 | 0.8 | 21.0 | 10.3 | 1.7 |
| Savings | 1.6 | 1.6 | 1.5 | 0.5 | 4.5 | 0.6 | 0.9 | 0.3 | 2.5 | 2.4 | 1.2 |
| Other earnings in graduate school | 4.9 | 5.0 | 6.0 | 1.8 | 8.5 | 3.0 | 1.8 | 0.7 | 6.7 | 9.3 | 3.5 |
| Other family earnings or savings | 7.2 | 7.5 | 5.9 | 4.1 | 5.9 | 1.8 | 4.5 | 3.2 | 12.5 | 8.6 | 3.0 |
| Teaching assistantship | 14.0 | 14.7 | 8.8 | 8.8 | 8.1 | 13.1 | 48.6 | 18.3 | 13.7 | 21.6 | 4.5 |
| Research assistantship, traineeship, and internship | 22.9 | 22.1 | 38.2 | 25.2 | 30.1 | 32.9 | 10.9 | 46.0 | 17.4 | 11.0 | 34.2 |
| Research assistantship | 19.8 | 18.8 | 37.2 | 20.6 | 29.2 | 32.1 | 9.3 | 44.5 | 13.2 | 9.5 | 33.3 |
| Traineeship, internship or residency, other assistantship | 3.1 | 3.2 | 1.0 | 4.6 | 0.9 | 0.8 | 1.6 | 1.5 | 4.2 | 1.5 | 0.9 |
| Fellowship/scholarship and dissertation grant | 33.3 | 32.7 | 25.9 | 52.4 | 22.7 | 42.4 | 25.2 | 26.0 | 17.1 | 29.6 | 41.2 |
| Fellowship/scholarship | 23.7 | 22.9 | 19.6 | 30.0 | 20.6 | 34.6 | 21.6 | 19.6 | 13.4 | 26.6 | 34.1 |
| Grant/stipend | 9.6 | 9.8 | 6.3 | 22.4 | 2.1 | 7.8 | 3.7 | 6.5 | 3.6 | 2.9 | 7.1 |
| Employer reimbursement or assistance | 2.0 | 1.8 | 5.6 | 1.4 | 7.4 | 1.8 | 2.8 | 1.0 | 1.1 | 2.4 | 5.6 |
| Other/unknown source of support | 5.4 | 5.4 | 3.9 | 4.1 | 8.7 | 3.2 | 3.8 | 3.7 | 8.0 | 4.7 | 5.0 |
| Male (number) | 44,752 | 35,863 | 1,699 | 10,998 | 1,835 | 1,404 | 1,868 | 6,891 | 4,390 | 6,778 | 8,889 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by field and sex: 2002–06
(Percent distribution)

| Sex and primary source of support | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering |
|---|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|
| Personal/family funds | 15.3 | 16.2 | 18.0 | 7.2 | 18.5 | 9.8 | 8.2 | 5.1 | 39.5 | 29.5 | 11.6 |
| Loans | 4.7 | 5.4 | 3.6 | 1.8 | 2.8 | 1.2 | 1.2 | 0.9 | 19.8 | 9.7 | 1.6 |
| Savings | 1.8 | 1.7 | 2.3 | 0.7 | 3.1 | 1.9 | 0.9 | 0.5 | 2.8 | 3.4 | 2.3 |
| Other earnings in graduate school | 5.2 | 5.1 | 7.0 | 1.9 | 9.3 | 4.0 | 3.4 | 1.4 | 9.2 | 10.8 | 5.2 |
| Other family earnings or savings | 3.7 | 4.0 | 5.1 | 2.9 | 3.3 | 2.6 | 2.7 | 2.3 | 7.7 | 5.6 | 2.5 |
| Teaching assistantship | 14.8 | 17.0 | 6.9 | 9.8 | 8.7 | 14.0 | 49.5 | 18.7 | 16.9 | 23.7 | 6.0 |
| Research assistantship, traineeship, and internship | 29.8 | 26.9 | 40.4 | 25.5 | 38.1 | 40.9 | 10.1 | 47.4 | 16.5 | 10.6 | 41.5 |
| Research assistantship | 27.7 | 24.5 | 39.5 | 20.9 | 37.1 | 40.2 | 9.4 | 46.4 | 12.6 | 9.5 | 40.6 |
| Traineeship, internship or residency, other assistantship | 2.1 | 2.4 | 0.9 | 4.5 | 1.0 | 0.6 | 0.7 | 1.0 | 4.0 | 1.1 | 0.9 |
| Fellowship/scholarship and dissertation grant | 30.7 | 31.8 | 20.8 | 51.4 | 19.7 | 26.5 | 25.3 | 22.9 | 16.8 | 27.6 | 26.4 |
| Fellowship/scholarship | 21.9 | 22.3 | 15.0 | 30.7 | 14.8 | 19.2 | 21.9 | 16.8 | 13.1 | 24.7 | 20.6 |
| Grant/stipend | 8.8 | 9.5 | 5.8 | 20.7 | 4.9 | 7.3 | 3.3 | 6.1 | 3.8 | 2.9 | 5.7 |
| Employer reimbursement or assistance | 4.2 | 2.9 | 7.3 | 1.8 | 9.4 | 4.8 | 3.2 | 1.8 | 1.7 | 3.3 | 9.7 |
| Other/unknown source of support | 5.1 | 5.2 | 6.6 | 4.4 | 5.6 | 4.1 | 3.7 | 4.2 | 8.6 | 5.2 | 4.9 |

^a All recipients include those with unknown gender. The data for all recipients, therefore, will not equal the sum of female and male.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by field and race/ethnicity: 2002–06
(Percent distribution)

| Race/ethnicity and primary source of support | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering |
|---|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|
| All recipients (number) | 79,757 | 68,454 | 2,754 | 21,234 | 2,363 | 2,237 | 2,629 | 9,625 | 14,139 | 13,473 | 11,303 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 18.4 | 19.6 | 17.8 | 7.6 | 19.5 | 8.6 | 8.3 | 5.1 | 41.7 | 30.1 | 11.1 |
| Teaching assistantship | 14.5 | 15.9 | 7.6 | 9.3 | 8.6 | 13.6 | 49.3 | 18.6 | 14.7 | 22.7 | 5.7 |
| Research assistantship, traineeship, and internship | 26.8 | 24.6 | 39.6 | 25.3 | 36.4 | 37.9 | 10.3 | 47.0 | 17.1 | 10.8 | 39.9 |
| Fellowship/scholarship or grant/stipend | 31.8 | 32.2 | 22.7 | 51.9 | 20.4 | 32.4 | 25.3 | 23.8 | 17.0 | 28.6 | 29.5 |
| Other | 8.5 | 7.6 | 12.2 | 5.9 | 15.2 | 7.5 | 6.8 | 5.6 | 9.5 | 7.8 | 13.7 |
| White (number) | 60,932 | 53,016 | 2,317 | 16,105 | 1,650 | 1,922 | 2,065 | 7,659 | 11,041 | 10,257 | 7,916 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 19.3 | 20.4 | 18.6 | 8.3 | 20.2 | 8.5 | 8.5 | 5.3 | 43.5 | 30.8 | 11.9 |
| Teaching assistantship | 15.5 | 16.9 | 7.7 | 10.3 | 8.5 | 14.3 | 50.6 | 18.7 | 15.9 | 24.3 | 5.7 |
| Research assistantship, traineeship, and internship | 27.3 | 25.5 | 40.2 | 26.0 | 36.2 | 38.4 | 10.0 | 48.3 | 18.1 | 11.3 | 39.2 |
| Fellowship/scholarship or grant/stipend | 30.2 | 30.3 | 21.9 | 50.0 | 20.2 | 32.2 | 25.0 | 22.9 | 14.3 | 26.5 | 29.6 |
| Other | 7.7 | 6.8 | 11.7 | 5.5 | 14.9 | 6.7 | 5.9 | 4.7 | 8.2 | 7.0 | 13.5 |
| Asian (number) | 8,043 | 6,091 | 137 | 2,656 | 458 | 99 | 270 | 920 | 695 | 856 | 1,952 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 10.4 | 11.0 | 9.5 | 4.9 | 14.2 | 7.1 | 7.8 | 3.0 | 31.8 | 21.3 | 8.5 |
| Teaching assistantship | 12.0 | 13.9 | 10.2 | 6.1 | 10.9 | 9.1 | 45.9 | 19.3 | 16.0 | 23.1 | 6.0 |
| Research assistantship, traineeship, and internship | 35.8 | 30.4 | 53.3 | 28.7 | 45.6 | 52.5 | 15.9 | 50.8 | 19.1 | 13.3 | 52.4 |
| Fellowship/scholarship or grant/stipend | 33.7 | 37.6 | 16.8 | 55.0 | 17.9 | 21.2 | 21.9 | 21.1 | 23.0 | 33.9 | 21.6 |
| Other | 8.2 | 7.1 | 10.2 | 5.3 | 11.4 | 10.1 | 8.5 | 5.8 | 10.1 | 8.4 | 11.5 |
| Black (number) | 3,550 | 3,091 | 95 | 689 | 81 | 36 | 82 | 285 | 885 | 938 | 459 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 21.9 | 23.6 | 15.8 | 6.7 | 34.6 | 8.3 | 8.5 | 5.6 | 34.6 | 32.8 | 10.9 |
| Teaching assistantship | 9.0 | 9.5 | 2.1 | 5.5 | 2.5 | 8.3 | 35.4 | 16.1 | 7.3 | 11.6 | 5.2 |
| Research assistantship, traineeship, and internship | 13.5 | 12.4 | 25.3 | 13.9 | 4.9 | 27.8 | 3.7 | 24.2 | 12.0 | 7.5 | 21.6 |
| Fellowship/scholarship or grant/stipend | 44.5 | 43.8 | 45.3 | 65.9 | 30.9 | 38.9 | 42.7 | 44.6 | 33.9 | 38.0 | 48.8 |
| Other | 11.1 | 10.7 | 11.6 | 8.0 | 27.2 | 16.7 | 9.8 | 9.5 | 12.2 | 10.1 | 13.5 |
| Hispanic (number) | 3,859 | 3,368 | 107 | 1,002 | 57 | 79 | 104 | 350 | 925 | 744 | 491 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 18.6 | 19.9 | 19.6 | 5.4 | 21.1 | 5.1 | 2.9 | 3.1 | 40.5 | 25.5 | 9.4 |
| Teaching assistantship | 10.8 | 11.6 | 6.5 | 5.2 | 3.5 | 11.4 | 46.2 | 18.9 | 7.9 | 17.9 | 5.5 |
| Research assistantship, traineeship, and internship | 17.0 | 15.4 | 31.8 | 16.5 | 31.6 | 25.3 | 8.7 | 32.3 | 10.9 | 7.7 | 28.5 |
| Fellowship/scholarship or grant/stipend | 43.1 | 43.4 | 28.0 | 65.5 | 29.8 | 45.6 | 33.7 | 37.4 | 27.1 | 41.0 | 41.1 |
| Other | 10.5 | 9.8 | 14.0 | 7.5 | 14.0 | 12.7 | 8.7 | 8.3 | 13.5 | 7.9 | 15.5 |
| American Indian/Alaska Native (number) | 317 | 280 | 16 | 55 | 9 | 11 | 5 | 22 | 79 | 83 | 37 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 27.1 | 27.5 | 12.5 | 7.3 | 22.2 | 18.2 | 0.0 | 9.1 | 38.0 | 42.2 | 24.3 |

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by field and race/ethnicity: 2002–06
(Percent distribution)

| Race/ethnicity and primary source of support | All S&E | Science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering |
|--|---------|---------|-----------------------|---------------------|-------------------|--|----------------------------|-------------------|------------|-----------------|-------------|
| Teaching assistantship | 8.5 | 8.9 | 0.0 | 7.3 | 0.0 | 9.1 | 40.0 | 9.1 | 8.9 | 10.8 | 5.4 |
| Research assistantship, traineeship, and internship | 15.5 | 15.0 | 25.0 | 25.5 | 0.0 | 27.3 | 20.0 | 40.9 | 8.9 | 4.8 | 18.9 |
| Fellowship/scholarship or grant/stipend | 36.0 | 36.8 | 43.8 | 54.5 | 22.2 | 36.4 | 0.0 | 22.7 | 30.4 | 37.3 | 29.7 |
| Other | 12.9 | 11.8 | 18.8 | 5.5 | 55.6 | 9.1 | 40.0 | 18.2 | 13.9 | 4.8 | 21.6 |
| Other or not reported race/ethnicity ^a (number) | 3,056 | 2,608 | 82 | 727 | 108 | 90 | 103 | 389 | 514 | 595 | 448 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 16.9 | 18.0 | 11.0 | 7.2 | 18.5 | 14.4 | 11.7 | 5.9 | 30.7 | 30.8 | 10.3 |
| Teaching assistantship | 13.0 | 14.4 | 11.0 | 8.9 | 8.3 | 10.0 | 46.6 | 14.9 | 13.0 | 18.7 | 4.9 |
| Research assistantship, traineeship, and internship | 21.6 | 20.0 | 30.5 | 20.6 | 27.8 | 26.7 | 8.7 | 42.7 | 14.4 | 7.4 | 30.8 |
| Fellowship/scholarship or grant/stipend | 29.5 | 29.5 | 19.5 | 50.5 | 20.4 | 35.6 | 17.5 | 19.5 | 16.9 | 25.4 | 29.9 |
| Other | 18.9 | 18.1 | 28.0 | 12.8 | 25.0 | 13.3 | 15.5 | 17.0 | 24.9 | 17.8 | 24.1 |

^aThis category includes Native Hawaiian/other Pacific Islander and respondents choosing multiple races (excluding those selecting Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-18. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by disability status: 2002–06

(Percent distribution)

| Primary source of support | All recipients | No disability | With disability |
|---|----------------|---------------|-----------------|
| All recipients (number) | 79,757 | 78,391 | 1,366 |
| All sources | 100.0 | 100.0 | 100.0 |
| Personal/family funds | 18.4 | 18.2 | 31.3 |
| Loans | 6.4 | 6.3 | 13.6 |
| Savings | 1.7 | 1.7 | 3.5 |
| Other earnings in graduate school | 5.0 | 5.0 | 7.5 |
| Other family earnings or savings | 5.2 | 5.2 | 6.7 |
| Teaching assistantship | 14.5 | 14.5 | 14.9 |
| Research assistantship, traineeship, and internship | 26.8 | 26.9 | 19.0 |
| Research assistantship | 24.2 | 24.4 | 16.4 |
| Traineeship | 1.8 | 1.8 | 1.1 |
| Internship or residency | 0.3 | 0.3 | 0.7 |
| Other assistantship | 0.5 | 0.5 | 0.7 |
| Fellowship/scholarship and dissertation grant | 31.8 | 31.9 | 28.8 |
| Fellowship/scholarship | 22.7 | 22.7 | 22.0 |
| Grant/stipend | 9.1 | 9.2 | 6.8 |
| Employer reimbursement or assistance | 3.3 | 3.3 | 3.7 |
| Other | 5.2 | 5.3 | 2.2 |

NOTE: Respondents are asked if they have a disability and then are asked to mark one or more types of disability (blind/visually impaired, deaf/hard of hearing, physical/orthopedic disability, learning/cognitive disability, vocal/speech disability, or other disability).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-19. Location and type of postgraduate activity for U.S.-citizen and permanent-resident S&E doctorate recipients with definite postgraduate plans, by sex: 2006
(Percent distribution)

| Location and type of postgraduate activity | Both sexes | | |
|--|------------|-------|-------|
| | Female | Male | |
| All recipients (number) | 11,857 | 5,094 | 6,763 |
| All locations and types | 100.0 | 100.0 | 100.0 |
| United States | 96.0 | 97.1 | 95.3 |
| Academic employment | 22.3 | 23.6 | 21.3 |
| Industry employment | 15.0 | 10.6 | 18.3 |
| Postdoctoral study | 43.6 | 45.9 | 41.8 |
| Other ^a | 15.1 | 17.0 | 13.8 |
| Abroad | 3.9 | 2.9 | 4.7 |
| Location unknown | 0.1 | 0.1 | 0.1 |

^a Includes elementary/secondary schools, government, nonprofit, and other or unknown.

NOTES: Definite postgraduate plans are defined as *Am returning to, or continuing in, predoctoral employment* or *Have signed contract or made definite commitment for other work or study* by doctoral degree recipients who responded to the question, *How definite are your immediate (within the next year) postgraduate plans?*

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

TABLE F-20. S&E doctoral degrees awarded by leading institutions, by sex: 2002–06

| Academic institution | Doctoral degrees | Academic institution | Doctoral degrees |
|---|------------------|---|------------------|
| Female | | Male | |
| All institutions | 50,555 | All institutions | 83,315 |
| Top 50 institutions | 25,448 | Top 50 institutions | 47,215 |
| University of California-Berkeley | 990 | University of California-Berkeley | 1,853 |
| University of Michigan at Ann Arbor | 784 | Massachusetts Institute of Technology | 1,744 |
| University of Wisconsin-Madison | 757 | Stanford University | 1,700 |
| University of Minnesota-Twin Cities | 732 | University of Illinois at Urbana-Champaign | 1,615 |
| University of California-Los Angeles | 730 | University of Michigan at Ann Arbor | 1,582 |
| University of California-Davis | 696 | University of Wisconsin-Madison | 1,438 |
| Stanford University | 687 | University of Texas at Austin | 1,424 |
| University of Washington-Seattle | 683 | Texas A&M University, main campus | 1,385 |
| Harvard University | 679 | Pennsylvania State University, main campus | 1,382 |
| University of Texas at Austin | 669 | University of California-Los Angeles | 1,369 |
| Ohio State University, main campus | 663 | Purdue University, main campus | 1,326 |
| Pennsylvania State University, main campus | 653 | University of Florida | 1,265 |
| Massachusetts Institute of Technology | 649 | Ohio State University, main campus | 1,241 |
| University of Florida | 643 | University of Minnesota-Twin Cities | 1,174 |
| Cornell University, all campuses | 642 | Georgia Institute of Technology, main campus | 1,167 |
| University of Illinois at Urbana-Champaign | 639 | Cornell University, all campuses | 1,141 |
| Michigan State University | 592 | University of Maryland at College Park | 1,122 |
| University of Maryland at College Park | 565 | University of Washington-Seattle | 1,097 |
| University of North Carolina at Chapel Hill | 550 | Harvard University | 1,018 |
| Purdue University, main campus | 526 | North Carolina State University at Raleigh | 941 |
| University of Pennsylvania | 523 | University of California-Davis | 908 |
| Texas A&M University, main campus | 502 | University of Southern California | 901 |
| Johns Hopkins University | 488 | Michigan State University | 841 |
| Columbia University in the City of New York | 487 | University of California-San Diego | 839 |
| University of Arizona | 477 | University of Arizona | 827 |
| University of Georgia | 471 | Virginia Polytechnic Institute and State University | 819 |
| Rutgers University New Brunswick/Piscataway | 464 | Columbia University | 785 |
| University of Southern California | 463 | University of Chicago | 722 |
| University of California-San Diego | 455 | University of Pennsylvania | 718 |
| North Carolina State University at Raleigh | 444 | Iowa State University | 709 |
| Yale University | 443 | Northwestern Univ | 708 |
| CUNY Graduate School and University Center | 425 | Johns Hopkins University | 703 |
| Northwestern University | 402 | Princeton University | 680 |
| New York University | 399 | University of Colorado at Boulder | 678 |
| University of Colorado at Boulder | 384 | Rutgers University New Brunswick/Piscataway | 655 |
| University of Connecticut | 375 | Carnegie Mellon University | 654 |
| University of Chicago | 374 | University of California-Santa Barbara | 634 |
| University of Pittsburgh main campus | 373 | Yale University | 627 |
| Duke University | 356 | University of North Carolina at Chapel Hill | 624 |
| Virginia Polytechnic Institute and State University | 354 | Arizona State University, main campus | 612 |
| Boston University | 351 | California Institute of Technology | 607 |
| Georgia Institute of Technology, main campus | 347 | Duke University | 585 |
| University of Virginia, main campus | 336 | SUNY at Stony Brook, all campuses | 576 |
| SUNY at Stony Brook, all campuses | 335 | University of Pittsburgh main campus | 576 |
| Arizona State University, main campus | 327 | University of Georgia | 561 |
| Indiana University at Bloomington | 327 | University of Virginia, main campus | 546 |
| University of California-Santa Barbara | 324 | SUNY at Buffalo | 539 |
| University of Massachusetts at Amherst | 319 | University of California-Irvine | 537 |
| University of Kentucky | 302 | University of Utah | 533 |
| Iowa State University | 292 | Boston University | 527 |
| Other institutions | 25,107 | Other institutions | 36,100 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-21. S&E doctoral degrees awarded by leading institutions, by race/ethnicity of minority graduates: 2002–06

| Academic institution | Doctoral degrees | Academic institution | Doctoral degrees |
|--|------------------|---|------------------|
| Asian/Pacific Islander | | Black | |
| All institutions | 38,309 | All institutions | 4,604 |
| University of Illinois at Urbana-Champaign | 900 | Howard University | 240 |
| University of California-Los Angeles | 807 | University of Michigan at Ann Arbor | 113 |
| Texas A&M University main campus | 806 | University of Maryland at College Park | 86 |
| University of California-Berkeley | 791 | University of Florida | 85 |
| Purdue University, main campus | 773 | Pennsylvania State University, main campus | 72 |
| Stanford University | 762 | Michigan State University | 69 |
| Ohio State University, main campus | 752 | Georgia Institute of Technology, main campus | 63 |
| University of Michigan at Ann Arbor | 746 | Ohio State University, main campus | 62 |
| Pennsylvania State University, main campus | 719 | Purdue University, main campus | 61 |
| University of Texas at Austin | 712 | CUNY Graduate School and University Center | 60 |
| University of Wisconsin-Madison | 666 | North Carolina State University at Raleigh | 58 |
| University of Southern California | 660 | Harvard University | 56 |
| Georgia Institute of Technology, main campus | 628 | University of North Carolina at Chapel Hill | 54 |
| Massachusetts Institute of Technology | 593 | Meharry Medical College | 49 |
| University of Maryland at College Park | 555 | Louisiana State University & A&M College | 48 |
| University of Florida | 552 | Temple University | 48 |
| Cornell University, all campuses | 517 | University of California-Berkeley | 45 |
| University of Minnesota-Twin Cities | 503 | University of Illinois at Urbana-Champaign | 45 |
| University of California-Davis | 470 | University of Pennsylvania | 45 |
| Columbia University | 464 | Wayne State University | 44 |
| Other institutions | 24,933 | Other institutions | 3,201 |
| Hispanic | | American Indian/Alaska Native | |
| All institutions | 6,810 | All institutions | 329 |
| University of Florida | 172 | Oklahoma State University, all campuses | 16 |
| Texas A&M University main campus | 160 | University of California-Berkeley | 9 |
| University of California-Berkeley | 156 | University of North Dakota, all campuses | 9 |
| University of Puerto Rico Rio Piedras campus | 142 | University of Michigan at Ann Arbor | 7 |
| University of Wisconsin-Madison | 137 | University of New Mexico, all campuses | 7 |
| University of Texas at Austin | 132 | University of Oklahoma, Norman campus | 7 |
| Cornell University, all campuses | 126 | California School of Professional Psychology at San Diego | 6 |
| University of California-Los Angeles | 124 | Texas A&M University, main campus | 6 |
| Stanford University | 116 | Colorado State University | 5 |
| University of Illinois at Urbana-Champaign | 113 | Stanford University | 5 |
| University of Arizona | 111 | University of Arizona | 5 |
| University of Michigan at Ann Arbor | 105 | University of Arkansas, main campus | 5 |
| University of California-Davis | 97 | University of Florida | 5 |
| Harvard University | 94 | University of Southern California | 5 |
| University of California-San Diego | 88 | University of Texas at Austin | 5 |
| Massachusetts Institute of Technology | 85 | Other institutions | 227 |
| Purdue University, main campus | 84 | | |
| University of Maryland at College Park | 83 | | |
| Pennsylvania State University, main campus | 76 | | |
| University of Chicago | 74 | | |
| Other institutions | 4,535 | | |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE F-22. S&E doctoral degrees awarded by leading institutions to persons with disabilities: 2002–06

| Academic institution | Doctoral degrees | Academic institution | Doctoral degrees |
|---|------------------|---|------------------|
| No disability | | With disabilities | |
| All institutions | 132,466 | All institutions | 1,541 |
| Top 48 institutions | 69,924 | Top 48 institutions | 785 |
| University of California-Berkeley | 2,804 | University of California-Berkeley | 39 |
| Massachusetts Institute of Technology | 2,384 | University of Texas-Austin | 31 |
| Stanford University | 2,370 | University of Florida | 25 |
| University of Michigan-Ann Arbor | 2,342 | University of Wisconsin-Madison | 25 |
| University of Illinois-Urbana Champaign | 2,236 | University of Michigan-Ann Arbor | 24 |
| University of Wisconsin-Madison | 2,170 | University of California-Davis | 22 |
| University of California-Los Angeles | 2,079 | Harvard University | 21 |
| University of Texas-Austin | 2,065 | Pennsylvania State University, main campus | 21 |
| Pennsylvania State University, main campus | 2,015 | Texas A&M University | 21 |
| University of Minnesota-Twin Cities | 1,896 | University of California-Los Angeles | 21 |
| Ohio State University, main campus | 1,888 | University of Illinois-Urbana Champaign | 20 |
| University of Florida | 1,884 | University of Washington-Seattle | 20 |
| Texas A&M University | 1,866 | University of Maryland-College Park | 19 |
| Purdue University, main campus | 1,848 | Virginia Polytechnic Institute and State University | 19 |
| Cornell University | 1,770 | Stanford University | 18 |
| University of Washington-Seattle | 1,766 | Cornell University | 17 |
| Harvard University | 1,676 | North Carolina State University at Raleigh | 17 |
| University of Maryland-College Park | 1,670 | University of New Mexico, main campus | 17 |
| University of California-Davis | 1,582 | University of Southern California | 17 |
| Georgia Institute of Technology, main campus | 1,508 | Northwestern University | 16 |
| Michigan State University | 1,428 | Ohio State University, main campus | 16 |
| North Carolina State University at Raleigh | 1,369 | University of Arizona | 16 |
| University of Southern California | 1,350 | University of Colorado-Boulder | 15 |
| University of Arizona | 1,288 | University of Georgia | 15 |
| University of California-San Diego | 1,282 | Walden University | 15 |
| Columbia University | 1,269 | University of Kentucky | 14 |
| University of Pennsylvania | 1,229 | University of Minnesota-Twin Cities | 14 |
| Johns Hopkins University | 1,187 | University of Oklahoma-Norman | 14 |
| University of North Carolina-Chapel Hill | 1,167 | University of Pennsylvania | 14 |
| Virginia Polytechnic Institute and State University | 1,159 | Yale University | 14 |
| Rutgers University-New Brunswick/Piscataway | 1,106 | Arizona State University, main campus | 13 |
| Northwestern University | 1,094 | George Mason University | 13 |
| University of Chicago | 1,086 | Massachusetts Institute of Technology | 13 |
| Yale University | 1,056 | Michigan State University | 13 |
| University of Colorado-Boulder | 1,048 | Rutgers University-New Brunswick/Piscataway | 13 |
| University of Georgia | 1,020 | SUNY at Buffalo | 13 |
| Iowa State University | 992 | University of California-Santa Barbara | 13 |
| Princeton University | 962 | Duke University | 12 |
| University of California-Santa Barbara | 945 | University of California-San Diego | 12 |
| University of Pittsburgh, main campus | 944 | Brown University | 11 |
| Duke University | 929 | University of Connecticut | 11 |
| Arizona State University, main campus | 926 | University of Utah | 11 |
| Stony Brook University | 902 | CUNY Graduate School and University Center | 10 |
| CUNY Graduate School and University Center | 897 | Stony Brook University | 10 |
| University of Virginia, main campus | 878 | University of Chicago | 10 |
| Boston University | 872 | University of Massachusetts-Amherst | 10 |
| University of Connecticut | 863 | University of Missouri-Columbia | 10 |
| New York University | 857 | University of Tennessee | 10 |
| Other institutions | 62,542 | Other institutions | 756 |

NOTE: Institutions with the same number of doctorate recipients are listed alphabetically.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2002–06.

TABLE G-1. Definite postgraduation plans of U.S.-citizen and permanent-resident S&E doctoral degree recipients, by major field, sex, and location: 2006
(Percent distribution)

| Major field and sex | All definite plans | United States | | | | | Abroad | Location unknown |
|--|--------------------|----------------|---------------------|---------------------|--------------------|-------|--------|------------------|
| | | All U.S. plans | Academic employment | Industry employment | Postdoctoral study | Other | | |
| Both sexes ^a | | | | | | | | |
| S&E | 100.0 | 96.0 | 22.3 | 15.0 | 43.6 | 15.1 | 3.9 | 0.1 |
| Science | 100.0 | 95.9 | 23.9 | 10.7 | 46.6 | 14.7 | 4.0 | 0.1 |
| Agricultural sciences | 100.0 | 94.6 | 24.9 | 15.1 | 33.1 | 21.5 | 5.4 | 0.0 |
| Biological sciences | 100.0 | 96.6 | 8.5 | 6.8 | 72.0 | 9.3 | 3.4 | 0.0 |
| Computer sciences | 100.0 | 95.4 | 31.1 | 34.7 | 16.0 | 13.6 | 4.4 | 0.2 |
| Earth, atmospheric, and ocean sciences | 100.0 | 96.6 | 18.2 | 10.1 | 57.1 | 11.1 | 3.4 | 0.0 |
| Mathematics and statistics | 100.0 | 91.8 | 33.6 | 12.2 | 35.3 | 10.7 | 8.2 | 0.0 |
| Physical sciences | 100.0 | 94.4 | 12.1 | 22.0 | 52.7 | 7.6 | 5.4 | 0.2 |
| Astronomy | 100.0 | 95.8 | 22.9 | 6.3 | 45.8 | 20.8 | 4.2 | 0.0 |
| Chemistry | 100.0 | 95.7 | 10.8 | 25.2 | 53.2 | 6.5 | 4.1 | 0.2 |
| Physics | 100.0 | 91.5 | 13.6 | 17.1 | 52.4 | 8.3 | 8.3 | 0.2 |
| Psychology | 100.0 | 98.6 | 23.0 | 7.8 | 43.9 | 23.8 | 1.4 | 0.1 |
| Social sciences | 100.0 | 94.5 | 55.5 | 5.8 | 13.3 | 19.8 | 5.4 | 0.1 |
| Engineering | 100.0 | 96.8 | 12.5 | 40.9 | 25.6 | 17.8 | 3.2 | 0.0 |
| Aerospace engineering | 100.0 | 95.0 | 6.7 | 43.3 | 15.0 | 30.0 | 5.0 | 0.0 |
| Chemical engineering | 100.0 | 95.4 | 4.6 | 53.2 | 28.5 | 9.1 | 4.6 | 0.0 |
| Civil engineering | 100.0 | 94.2 | 19.9 | 26.3 | 19.9 | 28.1 | 5.8 | 0.0 |
| Electrical engineering | 100.0 | 97.9 | 14.9 | 50.1 | 16.2 | 16.7 | 2.1 | 0.0 |
| Industrial engineering | 100.0 | 100.0 | 36.4 | 27.3 | 11.4 | 25.0 | 0.0 | 0.0 |
| Materials engineering | 100.0 | 96.2 | 5.1 | 46.8 | 35.3 | 9.0 | 3.8 | 0.0 |
| Mechanical engineering | 100.0 | 98.0 | 16.0 | 40.8 | 21.6 | 19.6 | 2.0 | 0.0 |
| Other | 100.0 | 97.2 | 11.0 | 27.8 | 38.5 | 19.9 | 2.8 | 0.0 |
| Female | | | | | | | | |
| S&E | 100.0 | 97.1 | 23.6 | 10.6 | 45.9 | 17.0 | 2.9 | 0.1 |
| Science | 100.0 | 97.0 | 24.3 | 8.5 | 47.1 | 17.2 | 2.9 | 0.1 |
| Agricultural sciences | 100.0 | 95.2 | 20.7 | 15.9 | 35.9 | 22.8 | 4.8 | 0.0 |
| Biological sciences | 100.0 | 96.8 | 9.8 | 6.5 | 69.9 | 10.6 | 3.2 | 0.0 |
| Computer sciences | 100.0 | 97.7 | 42.0 | 26.1 | 18.2 | 11.4 | 2.3 | 0.0 |
| Earth, atmospheric, and ocean sciences | 100.0 | 99.3 | 23.1 | 4.9 | 61.5 | 9.8 | 0.7 | 0.0 |
| Mathematics and statistics | 100.0 | 95.1 | 30.3 | 16.4 | 36.1 | 12.3 | 4.9 | 0.0 |
| Physical sciences | 100.0 | 94.9 | 13.1 | 20.1 | 53.7 | 8.0 | 4.6 | 0.5 |
| Astronomy | 100.0 | 93.8 | 31.3 | 6.3 | 50.0 | 6.3 | 6.3 | 0.0 |
| Chemistry | 100.0 | 95.4 | 11.8 | 23.7 | 51.6 | 8.2 | 3.9 | 0.7 |
| Physics | 100.0 | 92.8 | 14.5 | 7.2 | 63.8 | 7.2 | 7.2 | 0.0 |
| Psychology | 100.0 | 98.9 | 21.8 | 7.1 | 45.1 | 25.0 | 1.0 | 0.1 |
| Social sciences | 100.0 | 95.3 | 53.8 | 5.5 | 15.0 | 21.1 | 4.6 | 0.1 |
| Engineering | 100.0 | 97.8 | 14.3 | 37.6 | 31.6 | 14.3 | 2.2 | 0.0 |
| Aerospace engineering | 100.0 | 100.0 | 33.3 | 33.3 | 0.0 | 33.3 | 0.0 | 0.0 |
| Chemical engineering | 100.0 | 98.4 | 7.9 | 55.6 | 25.4 | 9.5 | 1.6 | 0.0 |
| Civil engineering | 100.0 | 95.7 | 17.4 | 32.6 | 23.9 | 21.7 | 4.3 | 0.0 |
| Electrical engineering | 100.0 | 100.0 | 19.6 | 45.1 | 27.5 | 7.8 | 0.0 | 0.0 |
| Industrial engineering | 100.0 | 100.0 | 38.1 | 28.6 | 4.8 | 28.6 | 0.0 | 0.0 |
| Materials engineering | 100.0 | 100.0 | 5.0 | 55.0 | 35.0 | 5.0 | 0.0 | 0.0 |
| Mechanical engineering | 100.0 | 97.8 | 26.7 | 26.7 | 31.1 | 13.3 | 2.2 | 0.0 |
| Other | 100.0 | 95.9 | 6.1 | 24.5 | 48.0 | 17.3 | 4.1 | 0.0 |
| Male | | | | | | | | |
| S&E | 100.0 | 95.3 | 21.3 | 18.3 | 41.8 | 13.8 | 4.7 | 0.1 |
| Science | 100.0 | 95.0 | 23.6 | 12.7 | 46.2 | 12.6 | 5.0 | 0.1 |
| Agricultural sciences | 100.0 | 94.2 | 27.3 | 14.6 | 31.5 | 20.8 | 5.8 | 0.0 |
| Biological sciences | 100.0 | 96.3 | 7.3 | 7.0 | 73.9 | 8.2 | 3.6 | 0.1 |
| Computer sciences | 100.0 | 94.8 | 28.1 | 37.0 | 15.4 | 14.2 | 4.9 | 0.3 |

TABLE G-1. Definite postgraduation plans of U.S.-citizen and permanent-resident S&E doctoral degree recipients, by major field, sex, and location: 2006
(Percent distribution)

| Major field and sex | All definite plans | United States | | | | | Abroad | Location unknown |
|--|--------------------|----------------|---------------------|---------------------|--------------------|-------|--------|------------------|
| | | All U.S. plans | Academic employment | Industry employment | Postdoctoral study | Other | | |
| Earth, atmospheric, and ocean sciences | 100.0 | 95.1 | 15.6 | 12.9 | 54.8 | 11.8 | 4.9 | 0.0 |
| Mathematics and statistics | 100.0 | 90.7 | 34.7 | 10.7 | 35.0 | 10.2 | 9.3 | 0.0 |
| Physical sciences | 100.0 | 94.2 | 11.7 | 22.7 | 52.3 | 7.4 | 5.7 | 0.1 |
| Astronomy | 100.0 | 96.9 | 18.8 | 6.3 | 43.8 | 28.1 | 3.1 | 0.0 |
| Chemistry | 100.0 | 95.8 | 10.3 | 25.9 | 54.0 | 5.6 | 4.2 | 0.0 |
| Physics | 100.0 | 91.2 | 13.5 | 19.0 | 50.3 | 8.5 | 8.5 | 0.3 |
| Psychology | 100.0 | 97.7 | 26.1 | 9.6 | 41.0 | 21.0 | 2.3 | 0.0 |
| Social sciences | 100.0 | 93.7 | 57.2 | 6.1 | 11.7 | 18.7 | 6.2 | 0.1 |
| Engineering | 100.0 | 96.5 | 12.0 | 41.9 | 23.9 | 18.7 | 3.5 | 0.0 |
| Aerospace engineering | 100.0 | 94.4 | 3.7 | 44.4 | 16.7 | 29.6 | 5.6 | 0.0 |
| Chemical engineering | 100.0 | 94.5 | 3.5 | 52.5 | 29.5 | 9.0 | 5.5 | 0.0 |
| Civil engineering | 100.0 | 93.6 | 20.8 | 24.0 | 18.4 | 30.4 | 6.4 | 0.0 |
| Electrical engineering | 100.0 | 97.6 | 14.2 | 50.9 | 14.5 | 18.1 | 2.4 | 0.0 |
| Industrial engineering | 100.0 | 100.0 | 34.8 | 26.1 | 17.4 | 21.7 | 0.0 | 0.0 |
| Materials engineering | 100.0 | 94.8 | 5.2 | 44.0 | 35.3 | 10.3 | 5.2 | 0.0 |
| Mechanical engineering | 100.0 | 98.0 | 13.7 | 43.9 | 19.5 | 21.0 | 2.0 | 0.0 |
| Other | 100.0 | 97.7 | 12.8 | 29.1 | 34.9 | 20.9 | 2.3 | 0.0 |

S&E = science and engineering.

^a Includes those with unknown gender.

NOTES: Definite postgraduate plans are defined as *Am returning to, or continuing in, predoctoral employment* or *Have signed contract or made definite commitment for other work or study* by doctoral degree recipients who responded to the question, *How definite are your immediate (within the next year) postgraduate plans?* "Other" includes elementary/secondary schools, government, nonprofit, and other/unknown.

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

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| All fields | Number | | | | | | | |
| S&E | 28,980 | 30,224 | 30,196 | 31,937 | 33,666 | 34,065 | 34,456 | 34,813 |
| Sciences | 25,784 | 26,911 | 27,044 | 28,371 | 29,856 | 30,116 | 30,290 | 30,187 |
| Agricultural sciences | 750 | 822 | 833 | 963 | 1,054 | 959 | 1,007 | 927 |
| Biological sciences | 16,097 | 16,734 | 17,032 | 17,640 | 18,625 | 18,716 | 18,747 | 18,797 |
| Anatomy | 497 | 428 | 413 | 423 | 471 | 477 | 417 | 377 |
| Biochemistry | 2,485 | 2,469 | 2,552 | 2,746 | 2,628 | 2,526 | 2,553 | 2,416 |
| Biology | 1,892 | 1,937 | 1,962 | 2,047 | 2,080 | 1,962 | 2,011 | 2,309 |
| Biometry/epidemiology | 181 | 125 | 152 | 231 | 244 | 238 | 259 | 300 |
| Biophysics | 266 | 164 | 187 | 233 | 195 | 218 | 191 | 224 |
| Botany | 559 | 518 | 563 | 572 | 560 | 571 | 590 | 636 |
| Cell/molecular biology | 2,237 | 2,241 | 2,145 | 2,297 | 2,348 | 2,333 | 2,445 | 2,407 |
| Ecology | 123 | 152 | 161 | 186 | 189 | 170 | 187 | 192 |
| Entomology/parasitology | 178 | 197 | 221 | 234 | 255 | 289 | 281 | 241 |
| Genetics | 796 | 795 | 883 | 926 | 1,037 | 941 | 1,031 | 851 |
| Microbiology, immunology, and virology | 2,158 | 2,253 | 2,192 | 2,447 | 2,346 | 2,151 | 2,258 | 2,150 |
| Nutrition | 238 | 224 | 251 | 233 | 249 | 280 | 306 | 259 |
| Pathology | 1,321 | 1,757 | 1,803 | 1,837 | 1,944 | 1,827 | 1,400 | 1,587 |
| Pharmacology | 1,512 | 1,461 | 1,382 | 1,360 | 1,498 | 1,530 | 1,514 | 1,436 |
| Physiology | 1,132 | 1,140 | 1,193 | 1,165 | 1,249 | 1,279 | 1,296 | 1,261 |
| Zoology | 138 | 104 | 82 | 83 | 77 | 100 | 134 | 103 |
| Other | 384 | 769 | 890 | 620 | 1,255 | 1,824 | 1,874 | 2,048 |
| Computer sciences | 334 | 344 | 336 | 356 | 355 | 384 | 406 | 458 |
| Earth, atmospheric, and ocean sciences | 925 | 1,155 | 1,049 | 1,129 | 1,182 | 1,263 | 1,364 | 1,493 |
| Atmospheric | 107 | 94 | 100 | 94 | 109 | 128 | 123 | 128 |
| Earth | 479 | 514 | 471 | 444 | 463 | 507 | 521 | 540 |
| Ocean | 235 | 246 | 218 | 270 | 250 | 300 | 347 | 346 |
| Other | 104 | 301 | 260 | 321 | 360 | 328 | 373 | 479 |
| Mathematics and statistics | 351 | 385 | 353 | 395 | 449 | 468 | 500 | 574 |
| Mathematics/applied mathematics | 321 | 357 | 329 | 365 | 407 | 420 | 443 | 507 |
| Statistics | 30 | 28 | 24 | 30 | 42 | 48 | 57 | 67 |
| Physical sciences | 6,157 | 6,270 | 6,223 | 6,619 | 6,829 | 7,059 | 7,011 | 6,674 |
| Astronomy | 375 | 315 | 311 | 330 | 319 | 367 | 388 | 360 |
| Chemistry | 3,836 | 3,877 | 3,864 | 3,990 | 4,147 | 4,338 | 4,216 | 4,044 |
| Physics | 1,862 | 1,948 | 1,912 | 2,155 | 2,202 | 2,138 | 2,208 | 2,102 |
| Other | 84 | 130 | 136 | 144 | 161 | 216 | 199 | 168 |
| Psychology | 716 | 730 | 809 | 815 | 960 | 902 | 884 | 870 |
| Clinical | 70 | 73 | 81 | 68 | 72 | 67 | 64 | 62 |
| General | 412 | 411 | 498 | 532 | 634 | 598 | 579 | 534 |
| Nonclinical | 234 | 246 | 230 | 215 | 254 | 237 | 241 | 274 |
| Social sciences | 454 | 471 | 409 | 454 | 402 | 365 | 371 | 394 |
| Agricultural economics | 43 | 41 | 34 | 21 | 25 | 34 | 40 | 36 |
| Anthropology (cultural and social) | 87 | 73 | 56 | 66 | 57 | 54 | 65 | 61 |
| Economics | 31 | 32 | 23 | 29 | 36 | 20 | 13 | 16 |
| Geography | 30 | 34 | 36 | 30 | 29 | 31 | 42 | 63 |
| History and philosophy of science | 10 | 14 | 9 | 13 | 14 | 6 | 9 | 8 |
| Linguistics | 15 | 19 | 17 | 22 | 29 | 29 | 24 | 25 |
| Political science and public administration | 70 | 50 | 52 | 61 | 51 | 44 | 42 | 62 |
| Sociology | 104 | 102 | 92 | 109 | 76 | 77 | 63 | 43 |
| Other | 64 | 106 | 90 | 103 | 85 | 70 | 73 | 80 |
| Engineering | 3,196 | 3,313 | 3,152 | 3,566 | 3,810 | 3,949 | 4,166 | 4,626 |
| Aerospace | 128 | 111 | 128 | 140 | 141 | 141 | 153 | 165 |
| Agricultural | 62 | 56 | 58 | 65 | 85 | 79 | 89 | 116 |
| Biomedical | 242 | 220 | 262 | 284 | 388 | 425 | 477 | 591 |
| Chemical | 671 | 703 | 574 | 758 | 686 | 689 | 702 | 722 |
| Civil | 299 | 295 | 268 | 342 | 300 | 313 | 384 | 462 |
| Electrical | 548 | 525 | 436 | 613 | 646 | 654 | 689 | 716 |
| Engineering science/physics | 122 | 163 | 162 | 169 | 180 | 180 | 168 | 224 |
| Industrial/manufacturing | 27 | 48 | 21 | 43 | 45 | 50 | 51 | 51 |

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|-------|-------|-------|--------|--------|--------|--------|--------|
| Mechanical | 476 | 480 | 501 | 441 | 543 | 514 | 562 | 642 |
| Metallurgical/materials | 421 | 507 | 479 | 507 | 539 | 567 | 578 | 571 |
| Mining | 6 | 8 | 14 | 10 | 12 | 9 | 8 | 11 |
| Nuclear | 30 | 40 | 77 | 26 | 49 | 67 | 41 | 85 |
| Petroleum | 19 | 20 | 17 | 15 | 17 | 14 | 13 | 18 |
| Other | 145 | 137 | 155 | 153 | 179 | 247 | 251 | 252 |
| Female | | | | | | | | |
| S&E | 8,708 | 8,928 | 9,255 | 10,130 | 10,784 | 10,985 | 11,229 | 11,516 |
| Sciences | 8,239 | 8,455 | 8,769 | 9,527 | 10,181 | 10,281 | 10,499 | 10,691 |
| Agricultural sciences | 205 | 239 | 253 | 318 | 363 | 326 | 336 | 311 |
| Biological sciences | 6,070 | 6,237 | 6,445 | 6,866 | 7,325 | 7,395 | 7,559 | 7,686 |
| Anatomy | 191 | 146 | 150 | 181 | 195 | 212 | 184 | 167 |
| Biochemistry | 888 | 865 | 907 | 1,015 | 988 | 928 | 923 | 914 |
| Biology | 693 | 717 | 708 | 778 | 795 | 741 | 773 | 905 |
| Biometry/epidemiology | 98 | 72 | 84 | 104 | 130 | 127 | 136 | 145 |
| Biophysics | 64 | 45 | 54 | 74 | 63 | 74 | 64 | 69 |
| Botany | 170 | 155 | 179 | 211 | 212 | 210 | 236 | 242 |
| Cell/molecular biology | 857 | 878 | 844 | 886 | 923 | 900 | 966 | 947 |
| Ecology | 37 | 47 | 54 | 65 | 66 | 57 | 72 | 75 |
| Entomology/parasitology | 47 | 53 | 56 | 60 | 66 | 85 | 85 | 64 |
| Genetics | 310 | 307 | 359 | 381 | 432 | 388 | 437 | 356 |
| Microbiology, immunology, and virology | 937 | 945 | 921 | 1,061 | 1,004 | 865 | 965 | 901 |
| Nutrition | 83 | 94 | 110 | 111 | 119 | 127 | 145 | 134 |
| Pathology | 502 | 653 | 674 | 735 | 750 | 703 | 577 | 686 |
| Pharmacology | 590 | 556 | 547 | 534 | 595 | 616 | 590 | 592 |
| Physiology | 405 | 413 | 443 | 411 | 461 | 505 | 517 | 522 |
| Zoology | 63 | 29 | 25 | 29 | 24 | 40 | 54 | 37 |
| Other | 135 | 262 | 330 | 230 | 502 | 817 | 835 | 930 |
| Computer sciences | 58 | 40 | 48 | 50 | 58 | 79 | 71 | 88 |
| Earth, atmospheric, ocean sciences | 219 | 292 | 289 | 332 | 352 | 365 | 404 | 443 |
| Atmospheric | 20 | 21 | 28 | 33 | 28 | 30 | 33 | 33 |
| Earth | 109 | 114 | 121 | 126 | 136 | 138 | 146 | 152 |
| Ocean | 70 | 81 | 78 | 96 | 85 | 110 | 118 | 115 |
| Other | 20 | 76 | 62 | 77 | 103 | 87 | 107 | 143 |
| Mathematics and statistics | 73 | 51 | 64 | 77 | 87 | 106 | 108 | 125 |
| Mathematics/applied mathematics | 66 | 44 | 57 | 66 | 75 | 93 | 90 | 107 |
| Statistics | 7 | 7 | 7 | 11 | 12 | 13 | 18 | 18 |
| Physical sciences | 1,045 | 1,044 | 1,084 | 1,237 | 1,313 | 1,387 | 1,417 | 1,400 |
| Astronomy | 58 | 49 | 55 | 66 | 70 | 69 | 79 | 81 |
| Chemistry | 778 | 773 | 810 | 885 | 942 | 992 | 988 | 978 |
| Physics | 199 | 208 | 199 | 266 | 279 | 294 | 319 | 311 |
| Other | 10 | 14 | 20 | 20 | 22 | 32 | 31 | 30 |
| Psychology | 373 | 357 | 413 | 426 | 482 | 458 | 433 | 457 |
| Clinical | 54 | 51 | 60 | 49 | 46 | 45 | 41 | 48 |
| General | 194 | 180 | 243 | 264 | 321 | 299 | 262 | 260 |
| Nonclinical | 125 | 126 | 110 | 113 | 115 | 114 | 130 | 149 |
| Social sciences | 196 | 195 | 173 | 221 | 201 | 165 | 171 | 181 |
| Agricultural economics | 10 | 11 | 9 | 4 | 6 | 7 | 10 | 11 |
| Anthropology (cultural and social) | 40 | 35 | 23 | 38 | 31 | 18 | 34 | 36 |
| Economics | 5 | 8 | 6 | 11 | 13 | 8 | 3 | 2 |
| Geography | 11 | 8 | 8 | 12 | 10 | 11 | 10 | 18 |
| History and philosophy of science | 5 | 6 | 3 | 5 | 4 | 3 | 2 | 4 |
| Linguistics | 9 | 7 | 10 | 12 | 13 | 12 | 14 | 14 |
| Political science and public administration | 22 | 15 | 14 | 17 | 20 | 25 | 20 | 25 |
| Sociology | 63 | 53 | 52 | 64 | 53 | 49 | 42 | 29 |
| Other | 31 | 52 | 48 | 58 | 51 | 32 | 36 | 42 |

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Engineering | 469 | 473 | 486 | 603 | 603 | 704 | 730 | 825 |
| Aerospace | 15 | 10 | 14 | 17 | 15 | 16 | 24 | 26 |
| Agricultural | 8 | 7 | 6 | 10 | 16 | 14 | 20 | 20 |
| Biomedical | 64 | 66 | 73 | 81 | 107 | 128 | 135 | 169 |
| Chemical | 119 | 116 | 111 | 158 | 134 | 143 | 135 | 138 |
| Civil | 55 | 55 | 49 | 67 | 58 | 81 | 79 | 102 |
| Electrical | 67 | 51 | 48 | 55 | 77 | 86 | 89 | 75 |
| Engineering science/physics | 17 | 26 | 23 | 29 | 31 | 30 | 22 | 28 |
| Industrial/manufacturing | 5 | 8 | 4 | 15 | 9 | 12 | 9 | 15 |
| Mechanical | 34 | 38 | 43 | 46 | 39 | 59 | 60 | 68 |
| Metallurgical/materials | 69 | 76 | 79 | 86 | 69 | 90 | 106 | 109 |
| Mining | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 3 |
| Nuclear | 2 | 3 | 5 | 1 | 7 | 10 | 8 | 16 |
| Petroleum | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 5 |
| Other | 14 | 15 | 28 | 37 | 38 | 34 | 40 | 51 |
| Male | | | | | | | | |
| S&E | 20,272 | 21,296 | 20,941 | 21,807 | 22,882 | 23,080 | 23,227 | 23,297 |
| Sciences | 17,545 | 18,456 | 18,275 | 18,844 | 19,675 | 19,835 | 19,791 | 19,496 |
| Agricultural sciences | 545 | 583 | 580 | 645 | 691 | 633 | 671 | 616 |
| Biological sciences | 10,027 | 10,497 | 10,587 | 10,774 | 11,300 | 11,321 | 11,188 | 11,111 |
| Anatomy | 306 | 282 | 263 | 242 | 276 | 265 | 233 | 210 |
| Biochemistry | 1,597 | 1,604 | 1,645 | 1,731 | 1,640 | 1,598 | 1,630 | 1,502 |
| Biology | 1,199 | 1,220 | 1,254 | 1,269 | 1,285 | 1,221 | 1,238 | 1,404 |
| Biometry/epidemiology | 83 | 53 | 68 | 127 | 114 | 111 | 123 | 155 |
| Biophysics | 202 | 119 | 133 | 159 | 132 | 144 | 127 | 155 |
| Botany | 389 | 363 | 384 | 361 | 348 | 361 | 354 | 394 |
| Cell/molecular biology | 1,380 | 1,363 | 1,301 | 1,411 | 1,425 | 1,433 | 1,479 | 1,460 |
| Ecology | 86 | 105 | 107 | 121 | 123 | 113 | 115 | 117 |
| Entomology/parasitology | 131 | 144 | 165 | 174 | 189 | 204 | 196 | 177 |
| Genetics | 486 | 488 | 524 | 545 | 605 | 553 | 594 | 495 |
| Microbiology, immunology, and virology | 1,221 | 1,308 | 1,271 | 1,386 | 1,342 | 1,286 | 1,293 | 1,249 |
| Nutrition | 155 | 130 | 141 | 122 | 130 | 153 | 161 | 125 |
| Pathology | 819 | 1,104 | 1,129 | 1,102 | 1,194 | 1,124 | 823 | 901 |
| Pharmacology | 922 | 905 | 835 | 826 | 903 | 914 | 924 | 844 |
| Physiology | 727 | 727 | 750 | 754 | 788 | 774 | 779 | 739 |
| Zoology | 75 | 75 | 57 | 54 | 53 | 60 | 80 | 66 |
| Other | 249 | 507 | 560 | 390 | 753 | 1,007 | 1,039 | 1,118 |
| Computer sciences | 276 | 304 | 288 | 306 | 297 | 305 | 335 | 370 |
| Earth, atmospheric, and ocean sciences | 706 | 863 | 760 | 797 | 830 | 898 | 960 | 1,050 |
| Atmospheric | 87 | 73 | 72 | 61 | 81 | 98 | 90 | 95 |
| Earth | 370 | 400 | 350 | 318 | 327 | 369 | 375 | 388 |
| Ocean | 165 | 165 | 140 | 174 | 165 | 190 | 229 | 231 |
| Other | 84 | 225 | 198 | 244 | 257 | 241 | 266 | 336 |
| Mathematics and statistics | 278 | 334 | 289 | 318 | 362 | 362 | 392 | 449 |
| Mathematics/applied mathematics | 255 | 313 | 272 | 299 | 332 | 327 | 353 | 400 |
| Statistics | 23 | 21 | 17 | 19 | 30 | 35 | 39 | 49 |
| Physical sciences | 5,112 | 5,226 | 5,139 | 5,382 | 5,516 | 5,672 | 5,594 | 5,274 |
| Astronomy | 317 | 266 | 256 | 264 | 249 | 298 | 309 | 279 |
| Chemistry | 3,058 | 3,104 | 3,054 | 3,105 | 3,205 | 3,346 | 3,228 | 3,066 |
| Physics | 1,663 | 1,740 | 1,713 | 1,889 | 1,923 | 1,844 | 1,889 | 1,791 |
| Other | 74 | 116 | 116 | 124 | 139 | 184 | 168 | 138 |
| Psychology | 343 | 373 | 396 | 389 | 478 | 444 | 451 | 413 |
| Clinical | 16 | 22 | 21 | 19 | 26 | 22 | 23 | 14 |
| General | 218 | 231 | 255 | 268 | 313 | 299 | 317 | 274 |
| Nonclinical | 109 | 120 | 120 | 102 | 139 | 123 | 111 | 125 |
| Social sciences | 258 | 276 | 236 | 233 | 201 | 200 | 200 | 213 |
| Agricultural economics | 33 | 30 | 25 | 17 | 19 | 27 | 30 | 25 |
| Anthropology (cultural and social) | 47 | 38 | 33 | 28 | 26 | 36 | 31 | 25 |
| Economics | 26 | 24 | 17 | 18 | 23 | 12 | 10 | 14 |

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|----------------|-------|-------|-------|-------|-------|-------|-------|
| Geography | 19 | 26 | 28 | 18 | 19 | 20 | 32 | 45 |
| History and philosophy of science | 5 | 8 | 6 | 8 | 10 | 3 | 7 | 4 |
| Linguistics | 6 | 12 | 7 | 10 | 16 | 17 | 10 | 11 |
| Political science and public administration | 48 | 35 | 38 | 44 | 31 | 19 | 22 | 37 |
| Sociology | 41 | 49 | 40 | 45 | 23 | 28 | 21 | 14 |
| Other | 33 | 54 | 42 | 45 | 34 | 38 | 37 | 38 |
| Engineering | 2,727 | 2,840 | 2,666 | 2,963 | 3,207 | 3,245 | 3,436 | 3,801 |
| Aerospace | 113 | 101 | 114 | 123 | 126 | 125 | 129 | 139 |
| Agricultural | 54 | 49 | 52 | 55 | 69 | 65 | 69 | 96 |
| Biomedical | 178 | 154 | 189 | 203 | 281 | 297 | 342 | 422 |
| Chemical | 552 | 587 | 463 | 600 | 552 | 546 | 567 | 584 |
| Civil | 244 | 240 | 219 | 275 | 242 | 232 | 305 | 360 |
| Electrical | 481 | 474 | 388 | 558 | 569 | 568 | 600 | 641 |
| Engineering science/physics | 105 | 137 | 139 | 140 | 149 | 150 | 146 | 196 |
| Industrial/manufacturing | 22 | 40 | 17 | 28 | 36 | 38 | 42 | 36 |
| Mechanical | 442 | 442 | 458 | 395 | 504 | 455 | 502 | 574 |
| Metallurgical/materials | 352 | 431 | 400 | 421 | 470 | 477 | 472 | 462 |
| Mining | 6 | 7 | 13 | 10 | 11 | 9 | 7 | 8 |
| Nuclear | 28 | 37 | 72 | 25 | 42 | 57 | 33 | 69 |
| Petroleum | 19 | 19 | 15 | 14 | 15 | 13 | 11 | 13 |
| Other | 131 | 122 | 127 | 116 | 141 | 213 | 211 | 201 |
| | Percent female | | | | | | | |
| S&E | 30.0 | 29.5 | 30.6 | 31.7 | 32.0 | 32.2 | 32.6 | 33.1 |
| Sciences | 32.0 | 31.4 | 32.4 | 33.6 | 34.1 | 34.1 | 34.7 | 35.4 |
| Agricultural sciences | 27.3 | 29.1 | 30.4 | 33.0 | 34.4 | 34.0 | 33.4 | 33.5 |
| Biological sciences | 37.7 | 37.3 | 37.8 | 38.9 | 39.3 | 39.5 | 40.3 | 40.9 |
| Anatomy | 38.4 | 34.1 | 36.3 | 42.8 | 41.4 | 44.4 | 44.1 | 44.3 |
| Biochemistry | 35.7 | 35.0 | 35.5 | 37.0 | 37.6 | 36.7 | 36.2 | 37.8 |
| Biology | 36.6 | 37.0 | 36.1 | 38.0 | 38.2 | 37.8 | 38.4 | 39.2 |
| Biometry/epidemiology | 54.1 | 57.6 | 55.3 | 45.0 | 53.3 | 53.4 | 52.5 | 48.3 |
| Biophysics | 24.1 | 27.4 | 28.9 | 31.8 | 32.3 | 33.9 | 33.5 | 30.8 |
| Botany | 30.4 | 29.9 | 31.8 | 36.9 | 37.9 | 36.8 | 40.0 | 38.1 |
| Cell/molecular biology | 38.3 | 39.2 | 39.3 | 38.6 | 39.3 | 38.6 | 39.5 | 39.3 |
| Ecology | 30.1 | 30.9 | 33.5 | 34.9 | 34.9 | 33.5 | 38.5 | 39.1 |
| Entomology/parasitology | 26.4 | 26.9 | 25.3 | 25.6 | 25.9 | 29.4 | 30.2 | 26.6 |
| Genetics | 38.9 | 38.6 | 40.7 | 41.1 | 41.7 | 41.2 | 42.4 | 41.8 |
| Microbiology, immunology, and virology | 43.4 | 41.9 | 42.0 | 43.4 | 42.8 | 40.2 | 42.7 | 41.9 |
| Nutrition | 34.9 | 42.0 | 43.8 | 47.6 | 47.8 | 45.4 | 47.4 | 51.7 |
| Pathology | 38.0 | 37.2 | 37.4 | 40.0 | 38.6 | 38.5 | 41.2 | 43.2 |
| Pharmacology | 39.0 | 38.1 | 39.6 | 39.3 | 39.7 | 40.3 | 39.0 | 41.2 |
| Physiology | 35.8 | 36.2 | 37.1 | 35.3 | 36.9 | 39.5 | 39.9 | 41.4 |
| Zoology | 45.7 | 27.9 | 30.5 | 34.9 | 31.2 | 40.0 | 40.3 | 35.9 |
| Other | 35.2 | 34.1 | 37.1 | 37.1 | 40.0 | 44.8 | 44.6 | 45.4 |
| Computer sciences | 17.4 | 11.6 | 14.3 | 14.0 | 16.3 | 20.6 | 17.5 | 19.2 |
| Earth, atmospheric, and ocean sciences | 23.7 | 25.3 | 27.6 | 29.4 | 29.8 | 28.9 | 29.6 | 29.7 |
| Atmospheric | 18.7 | 22.3 | 28.0 | 35.1 | 25.7 | 23.4 | 26.8 | 25.8 |
| Earth | 22.8 | 22.2 | 25.7 | 28.4 | 29.4 | 27.2 | 28.0 | 28.1 |
| Ocean | 29.8 | 32.9 | 35.8 | 35.6 | 34.0 | 36.7 | 34.0 | 33.2 |
| Other | 19.2 | 25.2 | 23.8 | 24.0 | 28.6 | 26.5 | 28.7 | 29.9 |
| Mathematics and statistics | 20.8 | 13.2 | 18.1 | 19.5 | 19.4 | 22.6 | 21.6 | 21.8 |
| Mathematics/applied mathematics | 20.6 | 12.3 | 17.3 | 18.1 | 18.4 | 22.1 | 20.3 | 21.1 |
| Statistics | 23.3 | 25.0 | 29.2 | 36.7 | 28.6 | 27.1 | 31.6 | 26.9 |
| Physical sciences | 17.0 | 16.7 | 17.4 | 18.7 | 19.2 | 19.6 | 20.2 | 21.0 |
| Astronomy | 15.5 | 15.6 | 17.7 | 20.0 | 21.9 | 18.8 | 20.4 | 22.5 |
| Chemistry | 20.3 | 19.9 | 21.0 | 22.2 | 22.7 | 22.9 | 23.4 | 24.2 |
| Physics | 10.7 | 10.7 | 10.4 | 12.3 | 12.7 | 13.8 | 14.4 | 14.8 |
| Other | 11.9 | 10.8 | 14.7 | 13.9 | 13.7 | 14.8 | 15.6 | 17.9 |

TABLE G-2. S&E postdoctoral fellows, by field and sex: 1999–2006

| Field and sex | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 |
|---|------|------|------|------|------|------|------|------|
| Psychology | 52.1 | 48.9 | 51.1 | 52.3 | 50.2 | 50.8 | 49.0 | 52.5 |
| Clinical | 77.1 | 69.9 | 74.1 | 72.1 | 63.9 | 67.2 | 64.1 | 77.4 |
| General | 47.1 | 43.8 | 48.8 | 49.6 | 50.6 | 50.0 | 45.3 | 48.7 |
| Nonclinical | 53.4 | 51.2 | 47.8 | 52.6 | 45.3 | 48.1 | 53.9 | 54.4 |
| Social sciences | 43.2 | 41.4 | 42.3 | 48.7 | 50.0 | 45.2 | 46.1 | 45.9 |
| Agricultural economics | 23.3 | 26.8 | 26.5 | 19.0 | 24.0 | 20.6 | 25.0 | 30.6 |
| Anthropology (cultural and social) | 46.0 | 47.9 | 41.1 | 57.6 | 54.4 | 33.3 | 52.3 | 59.0 |
| Economics | 16.1 | 25.0 | 26.1 | 37.9 | 36.1 | 40.0 | 23.1 | 12.5 |
| Geography | 36.7 | 23.5 | 22.2 | 40.0 | 34.5 | 35.5 | 23.8 | 28.6 |
| History and philosophy of science | 50.0 | 42.9 | 33.3 | 38.5 | 28.6 | 50.0 | 22.2 | 50.0 |
| Linguistics | 60.0 | 36.8 | 58.8 | 54.5 | 44.8 | 41.4 | 58.3 | 56.0 |
| Political science and public administration | 31.4 | 30.0 | 26.9 | 27.9 | 39.2 | 56.8 | 47.6 | 40.3 |
| Sociology | 60.6 | 52.0 | 56.5 | 58.7 | 69.7 | 63.6 | 66.7 | 67.4 |
| Other | 48.4 | 49.1 | 53.3 | 56.3 | 60.0 | 45.7 | 49.3 | 52.5 |
| Engineering | 14.7 | 14.3 | 15.4 | 16.9 | 15.8 | 17.8 | 17.5 | 17.8 |
| Aerospace | 11.7 | 9.0 | 10.9 | 12.1 | 10.6 | 11.3 | 15.7 | 15.8 |
| Agricultural | 12.9 | 12.5 | 10.3 | 15.4 | 18.8 | 17.7 | 22.5 | 17.2 |
| Biomedical | 26.4 | 30.0 | 27.9 | 28.5 | 27.6 | 30.1 | 28.3 | 28.6 |
| Chemical | 17.7 | 16.5 | 19.3 | 20.8 | 19.5 | 20.8 | 19.2 | 19.1 |
| Civil | 18.4 | 18.6 | 18.3 | 19.6 | 19.3 | 25.9 | 20.6 | 22.1 |
| Electrical | 12.2 | 9.7 | 11.0 | 9.0 | 11.9 | 13.1 | 12.9 | 10.5 |
| Engineering science/physics | 13.9 | 16.0 | 14.2 | 17.2 | 17.2 | 16.7 | 13.1 | 12.5 |
| Industrial/manufacturing | 18.5 | 16.7 | 19.0 | 34.9 | 20.0 | 24.0 | 17.6 | 29.4 |
| Mechanical | 7.1 | 7.9 | 8.6 | 10.4 | 7.2 | 11.5 | 10.7 | 10.6 |
| Metallurgical/materials | 16.4 | 15.0 | 16.5 | 17.0 | 12.8 | 15.9 | 18.3 | 19.1 |
| Mining | 0.0 | 12.5 | 7.1 | 0.0 | 8.3 | 0.0 | 12.5 | 27.3 |
| Nuclear | 6.7 | 7.5 | 6.5 | 3.8 | 14.3 | 14.9 | 19.5 | 18.8 |
| Petroleum | 0.0 | 5.0 | 11.8 | 6.7 | 11.8 | 7.1 | 15.4 | 27.8 |
| Other | 9.7 | 10.9 | 18.1 | 24.2 | 21.2 | 13.8 | 15.9 | 20.2 |

S&E = science and engineering.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1999–2006.

TABLE G-3. Location and type of postgraduate activity for U.S.-citizen and permanent-resident S&E doctoral degree recipients with definite postgraduate plans, by race/ethnicity: 2006

(Percent distribution)

| Location and type of activity | All recipients | White | Asian ^a | Black | Hispanic | American Indian/ Alaska Native | Other/ unknown race/ ethnicity ^b |
|---|----------------|-------|--------------------|-------|----------|-----------------------------------|---|
| All doctoral degree recipients with definite plans (number) | 11,857 | 9,166 | 1,203 | 490 | 579 | 32 | 387 |
| All doctoral degree recipients with definite plans | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| United States | 96.0 | 96.0 | 95.5 | 98.8 | 96.4 | 93.8 | 94.3 |
| Academic employment | 22.3 | 23.4 | 11.6 | 27.8 | 23.8 | 43.8 | 18.9 |
| Industry employment | 15.0 | 14.1 | 24.8 | 10.0 | 13.1 | 9.4 | 15.5 |
| Postdoctoral study | 43.6 | 43.8 | 46.4 | 37.6 | 41.6 | 28.1 | 41.9 |
| Other | 15.1 | 14.7 | 12.7 | 23.5 | 17.8 | 12.5 | 18.1 |
| Abroad | 3.9 | 3.9 | 4.5 | 1.2 | 3.5 | 6.3 | 5.7 |
| Location unknown | 0.1 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |

S&E = science and engineering.

^a Excludes Native Hawaiians/other Pacific Islanders per revised Office of Management and Budget guidelines.

^b This category includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

NOTES: Definite postgraduate plans are defined as *Am returning to, or continuing in, predoctoral employment* or *Have signed contract or made definite commitment for other work or study* by doctoral degree recipients who responded to the question, *How definite are your immediate (within the next year) postgraduate plans?* "Other" includes elementary/secondary schools, government, nonprofit, and other/unknown.

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

TABLE G-4. Location and type of postgraduate activity for U.S.-citizen and permanent-resident S&E doctoral degree recipients with definite postgraduate plans, by disability status: 2006

(Percent distribution)

| Location and type of activity | All | | |
|---|------------|---------------|-----------------|
| | recipients | No disability | With disability |
| All doctoral degree recipients with definite plans (number) | 11,857 | 11,679 | 178 |
| All doctoral degree recipients with definite plans | 100.0 | 100.0 | 100.0 |
| United States | 96.0 | 96.0 | 96.1 |
| Academic employment | 22.3 | 22.2 | 28.1 |
| Industry employment | 15.0 | 15.1 | 8.4 |
| Postdoctoral study | 43.6 | 43.7 | 39.3 |
| Other | 15.1 | 15.1 | 20.2 |
| Abroad | 3.9 | 3.9 | 3.4 |
| Location unknown | 0.1 | 0.1 | 0.6 |

S&E = science and engineering.

NOTES: Definite postgraduate plans are defined as *Am returning to, or continuing in, predoctoral employment* or *Have signed contract or made definite commitment for other work or study* by doctoral degree recipients who responded to the question, *How definite are your immediate (within the next year) postgraduate plans?* "Other" includes elementary/secondary schools, government, nonprofit, and other/unknown.

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

TABLE H-1. Employed persons 16 years and older, by occupation: Selected years, 1983–2007 annual averages
(Thousands)

| Occupation | 1983 | 1987 | 1993 | 1997 | 2003 | 2007 |
|--|---------|---------|---------|---------|---------|---------|
| All occupations | 100,834 | 112,440 | 120,259 | 129,558 | 137,736 | 146,047 |
| Management, professional, and related occupations | 26,645 | 31,088 | 36,270 | 41,899 | 47,929 | 51,787 |
| Management, business, and financial operations occupations | 10,772 | 13,316 | 15,338 | 18,440 | 19,934 | 21,577 |
| Professional and related occupations | 15,873 | 17,772 | 20,932 | 23,459 | 27,995 | 30,210 |
| Architect | 103 | 135 | 122 | 169 | 180 | 240 |
| Biological or life scientist | 144 | 170 | 264 | 249 | 283 | 306 |
| Chemist, except biochemist | 98 | 120 | 134 | 144 | 140 | 118 |
| Dietitian | 71 | 63 | 94 | 101 | 85 | 100 |
| Economist | 98 | 113 | 117 | 135 | 158 | 182 |
| Engineering and related technologist or technician | 822 | 896 | 875 | 960 | 718 | 699 |
| Engineer | 1,572 | 1,731 | 1,715 | 2,036 | 1,787 | 1,949 |
| Health technologist or technician | 1,111 | 1,142 | 1,530 | 1,693 | 2,028 | 2,246 |
| Lawyer or judge | 651 | 707 | 808 | 925 | 1,011 | 1,069 |
| Mathematical or computer scientist | 906 | 1,212 | 1,635 | 2,120 | 3,122 | 3,441 |
| Pharmacist | 158 | 153 | 188 | 200 | 232 | 247 |
| Physician | 519 | 514 | 607 | 724 | 819 | 888 |
| Physicians' assistant | 51 | 58 | S | 65 | 65 | 87 |
| Psychologist | 135 | 171 | 239 | 256 | 185 | 185 |
| Registered nurse | 1,372 | 1,588 | 1,855 | 2,065 | 2,449 | 2,629 |
| Science technician | 202 | 204 | 264 | 287 | 315 | 276 |
| Teacher, except postsecondary (college and university) | 3,365 | 3,587 | 4,384 | 4,798 | 5,378 | 5,863 |
| Teacher, postsecondary (college and university) | 606 | 661 | 777 | 869 | 1,121 | 1,261 |
| Therapist | 247 | 285 | 417 | 455 | 569 | 668 |
| Other health care professional | 217 | 279 | 302 | 304 | 399 | 382 |
| Other natural scientist | 115 | 98 | 137 | 136 | 224 | 241 |
| Other social scientist or urban planner | S | S | S | 50 | 71 | 73 |
| Other professional or related occupation | 3,281 | 3,853 | 4,381 | 4,718 | 6,656 | 7,060 |
| Other occupations | 74,189 | 81,352 | 83,989 | 87,659 | 89,807 | 94,260 |

S = suppressed for data reliability reasons.

NOTES: Data from the Current Population Survey cover employed persons 16 years and older. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2003 and 2007 may not be comparable to data for previous years. Detail may not add to total because of rounding and suppression.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1983–2007.

TABLE H-2. Employed females 16 years and older, by detailed occupation: Selected years, 1983–2007 annual averages (Thousands)

| Occupation | 1983 | 1987 | 1993 | 1997 | 2003 | 2007 | Percent women | |
|--|--------|--------|--------|--------|--------|--------|---------------|------|
| | | | | | | | 1983 | 2007 |
| All occupations | 44,047 | 50,334 | 54,910 | 59,873 | 64,404 | 67,792 | 43.7 | 46.4 |
| Management, professional, and related occupations | 11,130 | 13,909 | 17,458 | 20,623 | 24,194 | 26,195 | 41.8 | 50.6 |
| Management, business, and financial operations occupations | 3,490 | 5,053 | 6,441 | 8,170 | 8,400 | 9,203 | 32.4 | 42.7 |
| Professional and related occupations | 7,640 | 8,856 | 11,017 | 12,453 | 15,794 | 16,992 | 48.1 | 56.2 |
| Architect | S | S | S | S | S | 59 | S | 24.6 |
| Biological and life scientist | S | 53 | 100 | 100 | 116 | 125 | S | 40.8 |
| Chemist, except biochemist | S | S | S | S | 51 | S | S | S |
| Dietitian | 65 | 57 | 87 | 89 | 77 | 88 | 91.5 | 88.0 |
| Economist | S | S | 56 | 71 | 77 | 96 | S | 52.7 |
| Engineering and related technologist or technician | 151 | 153 | 156 | 178 | 153 | 142 | 18.4 | 20.3 |
| Engineer | 91 | 120 | 150 | 195 | 185 | 216 | 5.8 | 11.1 |
| Health technologist or technician | 937 | 962 | 1,237 | 1,357 | 1,604 | 1,726 | 84.3 | 76.8 |
| Lawyer or judge | 103 | 139 | 186 | 247 | 295 | 356 | 15.8 | 33.3 |
| Mathematical or computer scientist | 281 | 426 | 524 | 642 | 900 | 881 | 31.0 | 25.6 |
| Pharmacist | S | S | 72 | 92 | 119 | 132 | S | 53.4 |
| Physician | 82 | 100 | 133 | 190 | 245 | 266 | 15.8 | 30.0 |
| Physicians' assistant | S | S | S | S | S | 61 | S | 70.1 |
| Psychologist | 77 | 93 | 153 | 152 | 121 | 119 | 57.0 | 64.3 |
| Registered nurse | 1,315 | 1,511 | 1,749 | 1,930 | 2,256 | 2,412 | 95.8 | 91.7 |
| Science technician | 59 | 64 | 99 | 113 | 124 | 98 | 29.2 | 35.5 |
| Teacher, except postsecondary (college and university) | 2,386 | 2,642 | 3,294 | 3,632 | 4,111 | 4,451 | 70.9 | 75.9 |
| Teacher, postsecondary (college and university) | 220 | 245 | 329 | 371 | 503 | 582 | 36.3 | 46.2 |
| Therapist | 188 | 218 | 311 | 343 | 423 | 523 | 76.1 | 78.3 |
| Other health care professional | S | S | 54 | 69 | 132 | 127 | S | 33.2 |
| Other natural scientist | S | S | S | S | 75 | 73 | S | 30.3 |
| Other social scientist or urban planner | S | S | S | S | S | S | S | S |
| Other professional or related occupation | 1,477 | 1,854 | 2,202 | 2,527 | 4,114 | 4,381 | 45.0 | 62.1 |
| Other occupations | 32,917 | 36,425 | 37,452 | 39,250 | 40,210 | 41,597 | 44.4 | 44.1 |

S = suppressed for data reliability reasons.

NOTES: Data from the Current Population Survey cover employed persons 16 years and older. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2003 and 2007 may not be comparable to data for previous years. Detail may not add to total because of rounding and suppression.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1983–2007.

TABLE H-3. Employed males 16 years and older, by detailed occupation: Selected years, 1983–2007 annual averages

(Thousands)

| Occupation | 1983 | 1987 | 1993 | 1997 | 2003 | 2007 |
|--|--------|--------|--------|--------|--------|--------|
| All occupations | 56,787 | 62,107 | 65,349 | 69,685 | 73,332 | 78,254 |
| Management, professional, and related occupations | 15,515 | 17,178 | 18,812 | 21,277 | 23,735 | 25,593 |
| Management, business, and financial operations occupations | 7,282 | 8,263 | 8,897 | 10,271 | 11,534 | 12,375 |
| Professional and related occupations | 8,233 | 8,915 | 9,915 | 11,006 | 12,201 | 13,218 |
| Architect | 90 | 118 | 99 | 139 | 140 | 181 |
| Biological or life scientist | 110 | 117 | 164 | 150 | 167 | 181 |
| Chemist, except biochemist | 75 | 94 | 95 | 108 | 89 | 70 |
| Dietitian | S | S | S | S | S | S |
| Economist | 61 | 67 | 61 | 65 | 82 | 85 |
| Engineering and related technologist or technician | 671 | 742 | 719 | 781 | 566 | 556 |
| Engineer | 1,482 | 1,611 | 1,565 | 1,841 | 1,603 | 1,736 |
| Health technologist or technician | 174 | 179 | 293 | 336 | 422 | 518 |
| Lawyer or judge | 548 | 568 | 623 | 678 | 716 | 713 |
| Mathematical or computer scientist | 625 | 785 | 1,111 | 1,478 | 2,223 | 2,560 |
| Pharmacist | 116 | 106 | 115 | 108 | 113 | 115 |
| Physician | 437 | 414 | 474 | 534 | 574 | 621 |
| Physicians' assistant | S | S | S | S | S | S |
| Psychologist | 58 | 77 | 86 | 104 | 63 | 66 |
| Registered nurse | 57 | 78 | 106 | 135 | 193 | 217 |
| Science technician | 143 | 140 | 165 | 173 | 191 | 178 |
| Teacher, except postsecondary (college and university) | 979 | 945 | 1,090 | 1,166 | 1,266 | 1,412 |
| Teacher, postsecondary (college and university) | 386 | 415 | 447 | 498 | 618 | 679 |
| Therapist | 59 | 68 | 106 | 112 | 147 | 145 |
| Other health care professional | 200 | 248 | 248 | 234 | 268 | 257 |
| Other natural scientist | 99 | 84 | 114 | 107 | 149 | 168 |
| Other social scientist or urban planner | S | S | S | S | S | S |
| Other professional or related occupation | 1,804 | 1,998 | 2,182 | 2,194 | 2,541 | 2,679 |
| Other occupations | 41,272 | 44,929 | 46,537 | 48,408 | 49,597 | 52,661 |

S = suppressed for data reliability reasons.

NOTES: Data from the Current Population Survey cover employed persons 16 years and older. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2003 and 2007 may not be comparable to data for previous years. Detail may not add to total because of rounding and suppression.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1983–2007.

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2007 annual averages
(Thousands)

| Occupation and race/ethnicity | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 | 2006 | 2007 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|
| All occupations | 123,060 | 126,708 | 131,463 | 136,891 | 136,485 | 139,252 | 144,427 | 146,047 |
| Management, professional, and related occupations | 37,714 | 40,425 | 43,197 | 45,764 | 46,991 | 48,532 | 50,420 | 51,787 |
| Management, business, and financial operations occupations | 16,312 | 17,746 | 19,054 | 19,968 | 20,561 | 20,235 | 21,233 | 21,577 |
| Professional and related occupations | 21,402 | 22,679 | 24,143 | 25,795 | 26,430 | 28,297 | 29,187 | 30,210 |
| Architect | 141 | 160 | 158 | 218 | 197 | 207 | 221 | 240 |
| Biological or life scientist | 258 | 252 | 249 | 278 | 284 | 282 | 354 | 306 |
| Chemist, except biochemist | 144 | 149 | 133 | 157 | 130 | 141 | 116 | 118 |
| Dietitian | 86 | 105 | 90 | 98 | 74 | 84 | 96 | 100 |
| Economist | 106 | 148 | 137 | 141 | 123 | 149 | 159 | 182 |
| Engineering and related technologist or technician | 916 | 919 | 970 | 1,010 | 980 | 702 | 673 | 699 |
| Engineer | 1,866 | 1,960 | 2,052 | 2,120 | 2,028 | 1,819 | 1,887 | 1,949 |
| Health technologist or technician | 1,590 | 1,605 | 1,733 | 1,742 | 1,879 | 2,092 | 2,219 | 2,246 |
| Lawyer or judge | 861 | 911 | 951 | 934 | 963 | 1,018 | 1,031 | 1,069 |
| Mathematical or computer scientist | 1,735 | 1,906 | 2,360 | 2,819 | 2,635 | 3,140 | 3,209 | 3,441 |
| Pharmacist | 182 | 184 | 180 | 214 | 231 | 233 | 245 | 247 |
| Physician | 628 | 667 | 740 | 742 | 825 | 830 | 863 | 888 |
| Physicians' assistant | 53 | 63 | 68 | 73 | 89 | 70 | 85 | 87 |
| Psychologist | 280 | 245 | 232 | 267 | 277 | 185 | 189 | 185 |
| Registered nurse | 1,956 | 1,986 | 2,032 | 2,142 | 2,311 | 2,464 | 2,529 | 2,629 |
| Science technician | 266 | 245 | 285 | 273 | 291 | 293 | 308 | 276 |
| Teacher, except postsecondary (college and university) | 4,330 | 4,724 | 4,962 | 5,394 | 5,652 | 5,438 | 5,595 | 5,863 |
| Teacher, postsecondary (college and university) | 838 | 889 | 919 | 980 | 1,015 | 1,176 | 1,194 | 1,261 |
| Therapist | 430 | 474 | 528 | 482 | 562 | 574 | 608 | 668 |
| Other health care professional | 303 | 293 | 343 | 324 | 351 | 376 | 414 | 382 |
| Other natural scientist | 133 | 135 | 138 | 140 | 131 | 232 | 243 | 241 |
| Other social scientist or urban planner | 53 | S | 61 | S | 57 | 83 | 65 | 73 |
| Other professional or related occupation | 4,247 | 4,614 | 4,822 | 5,201 | 5,345 | 6,709 | 6,884 | 7,060 |
| Other occupations | 85,346 | 86,283 | 88,266 | 91,127 | 89,494 | 90,720 | 94,007 | 94,260 |
| White | 105,190 | 107,808 | 110,931 | 114,424 | 114,013 | 115,239 | 118,833 | 119,792 |
| Management, professional, and related occupations | 33,343 | 35,452 | 37,620 | 39,097 | 40,121 | 41,028 | 42,177 | 43,235 |
| Management, business, and financial operations occupations | 14,605 | 15,807 | 16,903 | 17,462 | 17,944 | 17,590 | 18,298 | 18,511 |
| Professional and related occupations | 18,738 | 19,645 | 20,717 | 21,635 | 22,176 | 23,438 | 23,879 | 24,724 |
| Architect | 131 | 145 | 147 | 197 | 179 | 187 | 186 | 208 |
| Biological or life scientist | 220 | 207 | 208 | 227 | 234 | 233 | 257 | 217 |
| Chemist, except biochemist | 127 | 125 | 105 | 115 | 96 | 109 | 89 | 87 |
| Dietitian | 70 | 70 | 68 | 73 | 58 | 62 | 66 | 73 |
| Economist | 97 | 136 | 125 | 119 | 105 | 126 | 130 | 151 |
| Engineering and related technologist or technician | 800 | 789 | 820 | 833 | 830 | 614 | 580 | 599 |
| Engineer | 1,677 | 1,705 | 1,781 | 1,754 | 1,716 | 1,511 | 1,560 | 1,607 |
| Health technologist or technician | 1,303 | 1,334 | 1,404 | 1,393 | 1,518 | 1,665 | 1,749 | 1,753 |
| Lawyer or judge | 820 | 865 | 886 | 845 | 859 | 921 | 930 | 968 |
| Mathematical or computer scientist | 1,498 | 1,583 | 1,933 | 2,189 | 2,016 | 2,410 | 2,392 | 2,523 |
| Pharmacist | 163 | 154 | 155 | 175 | 180 | 198 | 179 | 184 |
| Physician | 526 | 555 | 598 | 567 | 639 | 635 | 661 | 677 |
| Physicians' assistant | S | 61 | 60 | 66 | 77 | 59 | 68 | 74 |
| Psychologist | 251 | 211 | 204 | 243 | 243 | 173 | 176 | 163 |
| Registered nurse | 1,685 | 1,697 | 1,715 | 1,794 | 1,892 | 2,006 | 2,020 | 2,114 |
| Science technician | 223 | 204 | 240 | 232 | 247 | 237 | 234 | 222 |
| Teacher, except postsecondary (college and university) | 3,842 | 4,170 | 4,340 | 4,686 | 4,899 | 4,723 | 4,832 | 5,050 |
| Teacher, postsecondary (college and university) | 726 | 758 | 774 | 824 | 844 | 957 | 974 | 1,024 |
| Therapist | 380 | 430 | 462 | 424 | 486 | 487 | 510 | 576 |
| Other health care professional | 278 | 272 | 314 | 293 | 302 | 325 | 365 | 336 |
| Other natural scientist | 123 | 125 | 129 | 134 | 119 | 188 | 201 | 187 |
| Other social scientist or urban planner | 50 | S | 56 | S | S | 73 | 60 | 65 |
| Other professional or related occupation | 3,702 | 4,010 | 4,193 | 4,412 | 4,588 | 5,539 | 5,660 | 5,866 |
| Other occupations | 71,847 | 72,356 | 73,311 | 75,327 | 73,892 | 74,211 | 76,656 | 76,557 |

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2007 annual averages
(Thousands)

| Occupation and race/ethnicity | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 | 2006 | 2007 |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Black | 12,835 | 13,542 | 14,556 | 15,156 | 14,872 | 14,909 | 15,765 | 16,051 |
| Management, professional, and related occupations | 2,773 | 3,038 | 3,385 | 3,795 | 3,815 | 3,949 | 4,251 | 4,343 |
| Management, business, and financial operations occupations | 1,103 | 1,218 | 1,368 | 1,496 | 1,553 | 1,408 | 1,547 | 1,626 |
| Professional and related occupations | 1,670 | 1,820 | 2,017 | 2,299 | 2,262 | 2,541 | 2,704 | 2,717 |
| Architect | S | S | S | S | S | S | S | S |
| Biological or life scientist | S | S | S | S | S | S | S | S |
| Chemist, except biochemist | S | S | S | S | S | S | S | S |
| Dietitian | S | S | S | S | S | S | S | S |
| Economist | S | S | S | S | S | S | S | S |
| Engineering and related technologist or technician | 68 | 78 | 84 | 98 | 76 | S | S | 50 |
| Engineer | 69 | 82 | 85 | 118 | 91 | 93 | 103 | 89 |
| Health technologist or technician | 221 | 197 | 241 | 255 | 268 | 293 | 325 | 337 |
| Lawyer or judge | S | S | S | 52 | S | 53 | 55 | 55 |
| Mathematical or computer scientist | 110 | 127 | 165 | 222 | 172 | 236 | 233 | 247 |
| Pharmacist | S | S | S | S | S | S | S | S |
| Physician | S | S | S | S | S | 50 | S | 50 |
| Physicians' assistant | S | S | S | S | S | S | S | S |
| Psychologist | S | S | S | S | S | S | S | S |
| Registered nurse | 181 | 170 | 189 | 198 | 232 | 248 | 277 | 260 |
| Science technician | S | S | S | S | S | S | S | S |
| Teacher, except postsecondary (college and university) | 386 | 461 | 495 | 551 | 572 | 515 | 539 | 588 |
| Teacher, postsecondary (college and university) | S | 58 | 53 | 61 | 54 | 69 | 80 | 70 |
| Therapist | S | S | S | S | S | S | S | S |
| Other health care professional | S | S | S | S | S | S | S | S |
| Other natural scientist | S | S | S | S | S | S | S | S |
| Other social scientist or urban planner | S | S | S | S | S | S | S | S |
| Other professional or related occupation | 400 | 455 | 473 | 533 | 527 | 785 | 814 | 805 |
| Other occupations | 10,062 | 10,504 | 11,171 | 11,361 | 11,057 | 10,960 | 11,514 | 11,708 |
| Hispanic | 10,788 | 11,642 | 13,291 | 15,735 | 16,590 | 17,930 | 19,613 | 20,382 |
| Management, professional, and related occupations | 1,711 | 1,904 | 2,220 | 2,512 | 2,802 | 3,101 | 3,337 | 3,621 |
| Management, business, and financial operations occupations | 807 | 854 | 1,028 | 1,143 | 1,293 | 1,290 | 1,477 | 1,580 |
| Professional and related occupations | 904 | 1,050 | 1,192 | 1,369 | 1,509 | 1,811 | 1,860 | 2,041 |
| Architect | S | S | S | S | S | S | S | S |
| Biological or life scientist | S | S | S | S | S | S | S | S |
| Chemist, except biochemist | S | S | S | S | S | S | S | S |
| Dietitian | S | S | S | S | S | S | S | S |
| Economist | S | S | S | S | S | S | S | S |
| Engineering and related technologist or technician | 57 | 56 | 74 | 69 | 76 | 62 | 71 | 68 |
| Engineer | 62 | 74 | 78 | 86 | 81 | 80 | 76 | 101 |
| Health technologist or technician | 84 | 107 | 121 | 121 | 162 | 153 | 171 | 164 |
| Lawyer or judge | S | S | S | S | S | S | S | S |
| Mathematical or computer scientist | 62 | 61 | 103 | 113 | 134 | 172 | 159 | 179 |
| Pharmacist | S | S | S | S | S | S | S | S |
| Physician | S | S | S | S | S | S | 50 | S |
| Physicians' assistant | S | S | S | S | S | S | S | S |
| Psychologist | S | S | S | S | S | S | S | S |
| Registered nurse | 57 | 53 | 64 | 64 | 77 | 108 | 107 | 120 |
| Science technician | S | S | S | S | S | S | S | S |
| Teacher, except postsecondary (college and university) | 187 | 227 | 268 | 268 | 346 | 356 | 391 | 420 |
| Teacher, postsecondary (college and university) | S | S | S | S | 55 | S | 53 | 54 |
| Therapist | S | S | S | S | S | S | S | S |
| Other health care professional | S | S | S | S | S | S | S | S |
| Other natural scientist | S | S | S | S | S | S | S | S |

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2007 annual averages
(Thousands)

| Occupation and race/ethnicity | 1994 | 1996 | 1998 | 2000 | 2002 | 2004 | 2006 | 2007 |
|--|-------|-------|--------|--------|--------|--------|--------|--------|
| Other social scientist or urban planner | S | S | S | S | S | S | S | S |
| Other professional or related occupation | 231 | 282 | 277 | 396 | 379 | 608 | 608 | 702 |
| Other occupations | 9,077 | 9,738 | 11,071 | 13,223 | 13,788 | 14,829 | 16,276 | 16,761 |

S = suppressed for data reliability reasons.

NOTES: Data from the Current Population Survey cover employed persons 16 years and older. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2002 and beyond may not be comparable to data for previous years. Data for 2000 through 2007 reflect weights calculated on the basis of the 2000 decennial census; data for 1994 through 1998 reflect weights based on the 1990 decennial census. Total includes other races, e.g., Asian, American Indian/Alaska Native (all years), and Native Hawaiian/Other Pacific Islander and multiple race (from 2000 on) not shown separately due to small sample size. Detail may not add to total because of rounding and suppression and because Hispanics may be counted twice, both in the Hispanic category and in the white or black categories.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1994–2007.

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2006

| Occupation | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|---|-------------|-----------|------------|------------|-----------|-----------|------------|-----------|-----------|------------|---------|---------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| All occupations | 18,927,000 | 8,244,000 | 10,683,000 | 10,886,000 | 4,878,000 | 6,007,000 | 5,384,000 | 2,506,000 | 2,878,000 | 883,000 | 267,000 | 616,000 |
| S&E occupations | 5,024,000 | 1,310,000 | 3,714,000 | 2,911,000 | 690,000 | 2,221,000 | 1,497,000 | 437,000 | 1,061,000 | 566,000 | 161,000 | 405,000 |
| Scientist | 3,403,000 | 1,122,000 | 2,281,000 | 1,865,000 | 572,000 | 1,292,000 | 1,023,000 | 377,000 | 647,000 | 467,000 | 152,000 | 316,000 |
| Biological/life scientist | 487,000 | 213,000 | 274,000 | 203,000 | 103,000 | 100,000 | 113,000 | 53,000 | 60,000 | 154,000 | 52,000 | 102,000 |
| Agricultural/food scientist | 57,000 | 18,000 | 38,000 | 32,000 | 12,000 | 20,000 | 15,000 | 4,000 | 10,000 | 10,000 | 2,000 | 8,000 |
| Biological/medical scientist | 336,000 | 166,000 | 170,000 | 137,000 | 81,000 | 56,000 | 76,000 | 42,000 | 34,000 | 107,000 | 39,000 | 69,000 |
| Forestry and conservation scientist | 35,000 | 5,000 | 30,000 | 22,000 | 3,000 | 19,000 | 11,000 | 1,000 | 10,000 | 2,000 | * | 1,000 |
| Postsecondary teacher | 60,000 | 24,000 | 36,000 | 13,000 | 7,000 | 5,000 | 11,000 | 6,000 | 5,000 | 34,000 | 10,000 | 24,000 |
| Computer and information scientist | 1,963,000 | 502,000 | 1,461,000 | 1,350,000 | 339,000 | 1,011,000 | 557,000 | 153,000 | 404,000 | 50,000 | 8,000 | 42,000 |
| Computer/information scientist | 1,938,000 | 494,000 | 1,444,000 | 1,345,000 | 338,000 | 1,008,000 | 546,000 | 149,000 | 397,000 | 41,000 | 6,000 | 35,000 |
| Postsecondary teacher | 25,000 | 8,000 | 18,000 | 5,000 | 1,000 | 4,000 | 11,000 | 5,000 | 6,000 | 9,000 | 2,000 | 7,000 |
| Mathematical scientist | 149,000 | 58,000 | 91,000 | 44,000 | 18,000 | 27,000 | 70,000 | 30,000 | 40,000 | 33,000 | 9,000 | 24,000 |
| Mathematical scientist | 85,000 | 32,000 | 52,000 | 32,000 | 13,000 | 20,000 | 39,000 | 16,000 | 23,000 | 12,000 | 3,000 | 8,000 |
| Postsecondary teacher | 64,000 | 25,000 | 39,000 | 12,000 | 5,000 | 7,000 | 31,000 | 15,000 | 17,000 | 21,000 | 5,000 | 15,000 |
| Physical scientist | 334,000 | 95,000 | 239,000 | 159,000 | 53,000 | 106,000 | 84,000 | 27,000 | 57,000 | 89,000 | 15,000 | 74,000 |
| Chemist, except biochemist | 134,000 | 47,000 | 86,000 | 79,000 | 31,000 | 48,000 | 26,000 | 11,000 | 15,000 | 28,000 | 5,000 | 23,000 |
| Earth scientist/geologist/oceanographer | 80,000 | 16,000 | 64,000 | 39,000 | 8,000 | 31,000 | 30,000 | 6,000 | 24,000 | 11,000 | 2,000 | 9,000 |
| Physicist/astronomer | 29,000 | 4,000 | 25,000 | 6,000 | 1,000 | 5,000 | 7,000 | 1,000 | 5,000 | 16,000 | 2,000 | 14,000 |
| Other physical scientist | 39,000 | 12,000 | 27,000 | 25,000 | 8,000 | 17,000 | 10,000 | 3,000 | 7,000 | 3,000 | 1,000 | 2,000 |
| Postsecondary teacher | 52,000 | 15,000 | 37,000 | 9,000 | 4,000 | 5,000 | 11,000 | 5,000 | 6,000 | 31,000 | 6,000 | 25,000 |
| Psychologist | 211,000 | 137,000 | 74,000 | 22,000 | 16,000 | 6,000 | 98,000 | 68,000 | 30,000 | 76,000 | 42,000 | 33,000 |
| Psychologist | 177,000 | 118,000 | 59,000 | 19,000 | 14,000 | 5,000 | 87,000 | 61,000 | 26,000 | 56,000 | 32,000 | 24,000 |
| Postsecondary teacher | 34,000 | 19,000 | 15,000 | 3,000 | 2,000 | D | 11,000 | 7,000 | 4,000 | 19,000 | 10,000 | 9,000 |
| Social scientist | 259,000 | 118,000 | 141,000 | 86,000 | 44,000 | 42,000 | 102,000 | 45,000 | 57,000 | 66,000 | 26,000 | 40,000 |
| Economist | 33,000 | 12,000 | 21,000 | 9,000 | 4,000 | 5,000 | 17,000 | 6,000 | 11,000 | 8,000 | 2,000 | 6,000 |
| Political scientist | 20,000 | 11,000 | 9,000 | 10,000 | 7,000 | 3,000 | 8,000 | 3,000 | 5,000 | 2,000 | 1,000 | 1,000 |
| Sociologist/anthropologist | 21,000 | 10,000 | 11,000 | 8,000 | 3,000 | 5,000 | 9,000 | 5,000 | 4,000 | 4,000 | 2,000 | 2,000 |
| Other social scientist | 103,000 | 51,000 | 53,000 | 50,000 | 24,000 | 27,000 | 43,000 | 21,000 | 23,000 | 8,000 | 5,000 | 3,000 |
| Postsecondary teacher | 81,000 | 34,000 | 47,000 | 10,000 | 7,000 | 3,000 | 25,000 | 10,000 | 15,000 | 44,000 | 17,000 | 27,000 |
| Engineer | 1,621,000 | 187,000 | 1,433,000 | 1,046,000 | 118,000 | 928,000 | 474,000 | 60,000 | 414,000 | 99,000 | 10,000 | 89,000 |
| Aerospace engineer | 96,000 | 8,000 | 88,000 | 57,000 | 5,000 | 52,000 | 32,000 | 3,000 | 29,000 | 6,000 | * | 6,000 |
| Chemical engineer | 80,000 | 18,000 | 62,000 | 51,000 | 14,000 | 37,000 | 21,000 | 3,000 | 18,000 | 9,000 | 1,000 | 8,000 |
| Civil engineer | 266,000 | 38,000 | 229,000 | 185,000 | 25,000 | 161,000 | 75,000 | 12,000 | 63,000 | 5,000 | 1,000 | 5,000 |
| Electrical engineer | 395,000 | 34,000 | 361,000 | 242,000 | 18,000 | 224,000 | 128,000 | 14,000 | 114,000 | 24,000 | 2,000 | 22,000 |
| Industrial engineer | 93,000 | 12,000 | 81,000 | 65,000 | 8,000 | 57,000 | 25,000 | 3,000 | 22,000 | 2,000 | * | 2,000 |
| Mechanical engineer | 305,000 | 21,000 | 284,000 | 211,000 | 14,000 | 197,000 | 84,000 | 6,000 | 78,000 | 9,000 | * | 9,000 |
| Other engineer | 348,000 | 52,000 | 296,000 | 227,000 | 33,000 | 194,000 | 99,000 | 17,000 | 82,000 | 22,000 | 3,000 | 19,000 |
| Postsecondary teacher | 38,000 | 5,000 | 33,000 | 8,000 | 1,000 | 7,000 | 9,000 | 2,000 | 8,000 | 21,000 | 2,000 | 19,000 |
| S&E-related occupations | 5,246,000 | 2,986,000 | 2,260,000 | 2,810,000 | 1,830,000 | 980,000 | 1,266,000 | 783,000 | 483,000 | 97,000 | 38,000 | 59,000 |
| Health-related occupation | 3,625,000 | 2,376,000 | 1,250,000 | 1,865,000 | 1,494,000 | 371,000 | 646,000 | 526,000 | 120,000 | 53,000 | 26,000 | 28,000 |

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2006

| Occupation | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|---|-------------|-----------|-----------|------------|-----------|-----------|------------|-----------|-----------|------------|--------|---------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| S&E manager | 382,000 | 114,000 | 268,000 | 199,000 | 55,000 | 144,000 | 152,000 | 50,000 | 101,000 | 27,000 | 6,000 | 20,000 |
| S&E precollege teacher | 644,000 | 341,000 | 303,000 | 283,000 | 161,000 | 122,000 | 343,000 | 171,000 | 172,000 | 12,000 | 5,000 | 7,000 |
| S&E technician/technologist | 371,000 | 104,000 | 267,000 | 306,000 | 85,000 | 222,000 | 59,000 | 18,000 | 41,000 | 4,000 | 1,000 | 4,000 |
| Other S&E-related occupation | 224,000 | 52,000 | 171,000 | 156,000 | 35,000 | 121,000 | 67,000 | 17,000 | 49,000 | 1,000 | D | * |
| Non-S&E occupations | 8,657,000 | 3,948,000 | 4,709,000 | 5,165,000 | 2,358,000 | 2,807,000 | 2,621,000 | 1,286,000 | 1,335,000 | 220,000 | 69,000 | 152,000 |
| Art, humanities, and related occupation | 262,000 | 138,000 | 125,000 | 165,000 | 89,000 | 77,000 | 82,000 | 43,000 | 39,000 | 8,000 | 4,000 | 4,000 |
| Management-related occupation | 1,361,000 | 592,000 | 768,000 | 816,000 | 371,000 | 445,000 | 473,000 | 194,000 | 279,000 | 42,000 | 12,000 | 30,000 |
| Non-S&E manager | 1,118,000 | 273,000 | 845,000 | 528,000 | 118,000 | 410,000 | 480,000 | 129,000 | 351,000 | 67,000 | 19,000 | 49,000 |
| Non-S&E postsecondary teacher | 141,000 | 67,000 | 74,000 | 29,000 | 17,000 | 11,000 | 57,000 | 30,000 | 27,000 | 47,000 | 15,000 | 32,000 |
| Non-S&E precollege teacher | 724,000 | 570,000 | 154,000 | 360,000 | 292,000 | 67,000 | 350,000 | 268,000 | 82,000 | 6,000 | 3,000 | 3,000 |
| Sales and marketing occupation | 1,435,000 | 513,000 | 923,000 | 1,080,000 | 391,000 | 690,000 | 313,000 | 111,000 | 202,000 | 16,000 | 4,000 | 12,000 |
| Social services and related occupation | 714,000 | 492,000 | 222,000 | 271,000 | 187,000 | 84,000 | 410,000 | 295,000 | 114,000 | 14,000 | 4,000 | 10,000 |
| Other non-S&E occupation | 2,902,000 | 1,303,000 | 1,599,000 | 1,915,000 | 892,000 | 1,024,000 | 456,000 | 216,000 | 240,000 | 20,000 | 8,000 | 12,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. All degrees includes professional degrees not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

| Highest degree and occupation | All races/ethnicities | White | Asian | Black | Hispanic | American Indian/Alaska Native |
|---|-----------------------|------------|-----------|-----------|-----------|-------------------------------|
| All degrees | 18,927,000 | 14,472,000 | 1,934,000 | 1,075,000 | 1,027,000 | 84,000 |
| S&E occupations | 5,024,000 | 3,677,000 | 810,000 | 197,000 | 230,000 | 21,000 |
| Scientist | 3,403,000 | 2,464,000 | 575,000 | 146,000 | 141,000 | 17,000 |
| Biological/life scientist | 487,000 | 363,000 | 77,000 | 13,000 | 21,000 | 4,000 |
| Agricultural/food scientist | 57,000 | 47,000 | 5,000 | 1,000 | 3,000 | D |
| Biological/medical scientist | 336,000 | 236,000 | 67,000 | 8,000 | 16,000 | 3,000 |
| Forestry and conservation scientist | 35,000 | 32,000 | 1,000 | 1,000 | * | D |
| Postsecondary teacher | 60,000 | 48,000 | 5,000 | 3,000 | 2,000 | 1,000 |
| Computer and information scientist | 1,963,000 | 1,339,000 | 410,000 | 95,000 | 77,000 | 4,000 |
| Computer/information scientist | 1,938,000 | 1,322,000 | 404,000 | 94,000 | 76,000 | 4,000 |
| Postsecondary teacher | 25,000 | 17,000 | 5,000 | 2,000 | 1,000 | D |
| Mathematical scientist | 149,000 | 114,000 | 20,000 | 8,000 | 5,000 | D |
| Mathematical scientist | 85,000 | 64,000 | 13,000 | 3,000 | 3,000 | D |
| Postsecondary teacher | 64,000 | 50,000 | 7,000 | 5,000 | 2,000 | D |
| Physical scientist | 334,000 | 262,000 | 43,000 | 8,000 | 14,000 | 2,000 |
| Chemist, except biochemist | 134,000 | 94,000 | 25,000 | 5,000 | 7,000 | * |
| Earth scientist/geologist/oceanographer | 80,000 | 71,000 | 4,000 | 1,000 | 3,000 | 1,000 |
| Physicist/astronomer | 29,000 | 21,000 | 6,000 | * | 1,000 | * |
| Other physical scientist | 39,000 | 33,000 | 3,000 | 1,000 | 2,000 | D |
| Postsecondary teacher | 52,000 | 43,000 | 5,000 | 1,000 | 2,000 | * |
| Psychologist | 211,000 | 181,000 | 6,000 | 9,000 | 12,000 | 1,000 |
| Psychologist | 177,000 | 152,000 | 4,000 | 7,000 | 11,000 | 1,000 |
| Postsecondary teacher | 34,000 | 29,000 | 2,000 | 1,000 | 1,000 | * |
| Social scientist | 259,000 | 204,000 | 19,000 | 12,000 | 13,000 | 5,000 |
| Economist | 33,000 | 26,000 | 4,000 | 1,000 | 1,000 | D |
| Political scientist | 20,000 | 17,000 | 1,000 | 1,000 | 1,000 | D |
| Sociologist/anthropologist | 21,000 | 16,000 | 1,000 | 1,000 | 2,000 | D |
| Other social scientist | 103,000 | 83,000 | 7,000 | 5,000 | 5,000 | D |
| Postsecondary teacher | 81,000 | 62,000 | 6,000 | 4,000 | 4,000 | 2,000 |
| Engineer | 1,621,000 | 1,213,000 | 235,000 | 52,000 | 88,000 | 4,000 |
| Aerospace engineer | 96,000 | 77,000 | 9,000 | 3,000 | 5,000 | D |
| Chemical engineer | 80,000 | 58,000 | 13,000 | 3,000 | 4,000 | 1,000 |
| Civil engineer | 266,000 | 200,000 | 29,000 | 9,000 | 20,000 | 1,000 |
| Electrical engineer | 395,000 | 265,000 | 89,000 | 13,000 | 20,000 | 1,000 |
| Industrial engineer | 93,000 | 65,000 | 12,000 | 6,000 | 8,000 | D |
| Mechanical engineer | 305,000 | 241,000 | 36,000 | 8,000 | 15,000 | 1,000 |
| Other engineer | 348,000 | 280,000 | 39,000 | 9,000 | 15,000 | 1,000 |
| Postsecondary teacher | 38,000 | 28,000 | 7,000 | 2,000 | 1,000 | * |
| S&E-related occupations | 5,246,000 | 4,042,000 | 508,000 | 303,000 | 272,000 | 26,000 |
| Health-related occupation | 3,625,000 | 2,754,000 | 384,000 | 219,000 | 181,000 | 19,000 |
| S&E manager | 382,000 | 305,000 | 32,000 | 21,000 | 18,000 | 1,000 |
| S&E precollege teacher | 644,000 | 537,000 | 18,000 | 43,000 | 34,000 | 3,000 |
| S&E technician/technologist | 371,000 | 269,000 | 52,000 | 12,000 | 25,000 | 1,000 |
| Other S&E-related occupation | 224,000 | 177,000 | 21,000 | 8,000 | 14,000 | D |
| Non-S&E occupations | 8,657,000 | 6,752,000 | 616,000 | 575,000 | 525,000 | 38,000 |
| Art, humanities, and related occupation | 262,000 | 218,000 | 11,000 | 15,000 | 16,000 | 1,000 |
| Management-related occupation | 1,361,000 | 1,015,000 | 143,000 | 94,000 | 78,000 | 7,000 |
| Non-S&E manager | 1,118,000 | 923,000 | 64,000 | 59,000 | 52,000 | 8,000 |
| Non-S&E postsecondary teacher | 141,000 | 109,000 | 9,000 | 8,000 | 11,000 | 1,000 |
| Non-S&E precollege teacher | 724,000 | 569,000 | 25,000 | 59,000 | 57,000 | 2,000 |
| Sales and marketing occupation | 1,435,000 | 1,168,000 | 109,000 | 56,000 | 73,000 | 3,000 |
| Social services and related occupation | 714,000 | 527,000 | 21,000 | 91,000 | 59,000 | 3,000 |
| Other non-S&E occupation | 2,902,000 | 2,223,000 | 234,000 | 193,000 | 178,000 | 14,000 |
| Bachelor's | 10,886,000 | 8,351,000 | 968,000 | 648,000 | 638,000 | 53,000 |
| S&E occupations | 2,911,000 | 2,217,000 | 336,000 | 126,000 | 156,000 | 13,000 |

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

| Highest degree and occupation | All races/ethnicities | White | Asian | Black | Hispanic | American Indian/Alaska Native |
|---|-----------------------|-----------|---------|---------|----------|-------------------------------|
| Scientist | 1,865,000 | 1,399,000 | 236,000 | 89,000 | 91,000 | 10,000 |
| Biological/life scientist | 203,000 | 159,000 | 19,000 | 6,000 | 10,000 | 3,000 |
| Agricultural/food scientist | 32,000 | 27,000 | 1,000 | * | 2,000 | D |
| Biological/medical scientist | 137,000 | 103,000 | 16,000 | 4,000 | 8,000 | 2,000 |
| Forestry and conservation scientist | 22,000 | 20,000 | D | D | D | D |
| Postsecondary teacher | 13,000 | 10,000 | 1,000 | D | D | D |
| Computer and information scientist | 1,350,000 | 993,000 | 195,000 | 70,000 | 61,000 | 3,000 |
| Computer/information scientist | 1,345,000 | 989,000 | 195,000 | 69,000 | 60,000 | 3,000 |
| Postsecondary teacher | 5,000 | 3,000 | D | D | D | D |
| Mathematical scientist | 44,000 | 36,000 | 3,000 | 3,000 | 2,000 | D |
| Mathematical scientist | 32,000 | 27,000 | 2,000 | 1,000 | 2,000 | D |
| Postsecondary teacher | 12,000 | 9,000 | 1,000 | 2,000 | 1,000 | D |
| Physical scientist | 159,000 | 128,000 | 14,000 | 5,000 | 9,000 | 1,000 |
| Chemist, except biochemist | 79,000 | 58,000 | 10,000 | 4,000 | 6,000 | D |
| Earth scientist/geologist/oceanographer | 39,000 | 35,000 | 1,000 | * | 2,000 | D |
| Physicist/astronomer | 6,000 | 5,000 | 1,000 | D | * | D |
| Other physical scientist | 25,000 | 22,000 | 2,000 | 1,000 | 1,000 | D |
| Postsecondary teacher | 9,000 | 8,000 | 1,000 | * | * | D |
| Psychologist | 22,000 | 15,000 | D | 2,000 | 4,000 | D |
| Psychologist | 19,000 | 13,000 | D | 2,000 | 4,000 | D |
| Postsecondary teacher | 3,000 | 3,000 | D | D | D | D |
| Social scientist | 86,000 | 69,000 | 5,000 | 4,000 | 5,000 | D |
| Economist | 9,000 | 6,000 | 1,000 | D | D | D |
| Political scientist | 10,000 | 8,000 | D | D | D | D |
| Sociologist/anthropologist | 8,000 | 6,000 | D | D | 2,000 | D |
| Other social scientist | 50,000 | 40,000 | 2,000 | 3,000 | 2,000 | D |
| Postsecondary teacher | 10,000 | 9,000 | D | D | D | D |
| Engineer | 1,046,000 | 818,000 | 100,000 | 36,000 | 65,000 | 3,000 |
| Aerospace engineer | 57,000 | 45,000 | 4,000 | 2,000 | 3,000 | D |
| Chemical engineer | 51,000 | 39,000 | 5,000 | 2,000 | 3,000 | D |
| Civil engineer | 185,000 | 142,000 | 14,000 | 7,000 | 16,000 | 1,000 |
| Electrical engineer | 242,000 | 176,000 | 36,000 | 9,000 | 15,000 | 1,000 |
| Industrial engineer | 65,000 | 45,000 | 7,000 | 5,000 | 6,000 | D |
| Mechanical engineer | 211,000 | 174,000 | 16,000 | 5,000 | 11,000 | 1,000 |
| Other engineer | 227,000 | 191,000 | 17,000 | 6,000 | 10,000 | D |
| Postsecondary teacher | 8,000 | 6,000 | 1,000 | D | * | D |
| S&E-related occupations | 2,810,000 | 2,156,000 | 251,000 | 176,000 | 149,000 | 16,000 |
| Health-related occupation | 1,865,000 | 1,406,000 | 179,000 | 133,000 | 90,000 | 10,000 |
| S&E manager | 199,000 | 165,000 | 12,000 | 11,000 | 8,000 | D |
| S&E precollege teacher | 283,000 | 234,000 | 7,000 | 17,000 | 20,000 | 2,000 |
| S&E technician/technologist | 306,000 | 227,000 | 37,000 | 10,000 | 21,000 | 1,000 |
| Other S&E-related occupation | 156,000 | 123,000 | 15,000 | 5,000 | 10,000 | D |
| Non-S&E occupations | 5,165,000 | 3,979,000 | 380,000 | 346,000 | 333,000 | 24,000 |
| Art, humanities, and related occupation | 165,000 | 139,000 | 5,000 | 7,000 | 12,000 | D |
| Management-related occupation | 816,000 | 606,000 | 80,000 | 60,000 | 49,000 | 4,000 |
| Non-S&E manager | 528,000 | 445,000 | 27,000 | 23,000 | 24,000 | 4,000 |
| Non-S&E postsecondary teacher | 29,000 | 22,000 | 1,000 | 1,000 | 3,000 | D |
| Non-S&E precollege teacher | 360,000 | 266,000 | 15,000 | 32,000 | 38,000 | 1,000 |
| Sales and marketing occupation | 1,080,000 | 884,000 | 77,000 | 42,000 | 54,000 | 2,000 |
| Social services and related occupation | 271,000 | 186,000 | 9,000 | 41,000 | 29,000 | 1,000 |
| Other non-S&E occupation | 1,915,000 | 1,432,000 | 166,000 | 138,000 | 124,000 | 11,000 |
| Master's | 5,384,000 | 4,078,000 | 627,000 | 326,000 | 254,000 | 20,000 |
| S&E occupations | 1,497,000 | 1,014,000 | 349,000 | 53,000 | 54,000 | 4,000 |
| Scientist | 1,023,000 | 681,000 | 248,000 | 40,000 | 33,000 | 4,000 |
| Biological/life scientist | 113,000 | 86,000 | 18,000 | 2,000 | 4,000 | D |
| Agricultural/food scientist | 15,000 | 12,000 | 2,000 | D | 1,000 | D |

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

| Highest degree and occupation | All races/ethnicities | White | Asian | Black | Hispanic | American Indian/Alaska Native |
|---|-----------------------|-----------|---------|---------|----------|-------------------------------|
| Biological/medical scientist | 76,000 | 54,000 | 15,000 | 1,000 | 3,000 | D |
| Forestry and conservation scientist | 11,000 | 10,000 | D | D | D | D |
| Postsecondary teacher | 11,000 | 10,000 | D | 1,000 | * | D |
| Computer and information scientist | 557,000 | 310,000 | 197,000 | 24,000 | 15,000 | D |
| Computer/information scientist | 546,000 | 303,000 | 195,000 | 24,000 | 14,000 | D |
| Postsecondary teacher | 11,000 | 7,000 | 2,000 | 1,000 | 1,000 | D |
| Mathematical scientist | 70,000 | 53,000 | 10,000 | 5,000 | 2,000 | D |
| Mathematical scientist | 39,000 | 28,000 | 7,000 | 2,000 | 1,000 | D |
| Postsecondary teacher | 31,000 | 24,000 | 3,000 | 3,000 | 1,000 | D |
| Physical scientist | 84,000 | 66,000 | 12,000 | 2,000 | 3,000 | * |
| Chemist, except biochemist | 26,000 | 16,000 | 8,000 | 1,000 | 1,000 | D |
| Earth scientist/geologist/oceanographer | 30,000 | 27,000 | 1,000 | * | 1,000 | D |
| Physicist/astronomer | 7,000 | 5,000 | 2,000 | D | * | D |
| Other physical scientist | 10,000 | 9,000 | D | D | 1,000 | D |
| Postsecondary teacher | 11,000 | 10,000 | 1,000 | * | * | D |
| Psychologist | 98,000 | 85,000 | 4,000 | 3,000 | 5,000 | D |
| Psychologist | 87,000 | 76,000 | 3,000 | 3,000 | 4,000 | D |
| Postsecondary teacher | 11,000 | 9,000 | D | D | D | D |
| Social scientist | 102,000 | 80,000 | 8,000 | 4,000 | 5,000 | 2,000 |
| Economist | 17,000 | 14,000 | 1,000 | D | 1,000 | D |
| Political scientist | 8,000 | 7,000 | D | D | D | D |
| Sociologist/anthropologist | 9,000 | 7,000 | D | 1,000 | D | D |
| Other social scientist | 43,000 | 36,000 | 4,000 | 1,000 | 2,000 | D |
| Postsecondary teacher | 25,000 | 17,000 | 2,000 | 1,000 | 2,000 | D |
| Engineer | 474,000 | 333,000 | 101,000 | 13,000 | 21,000 | * |
| Aerospace engineer | 32,000 | 27,000 | 3,000 | 1,000 | 2,000 | D |
| Chemical engineer | 21,000 | 14,000 | 5,000 | 1,000 | 1,000 | D |
| Civil engineer | 75,000 | 55,000 | 14,000 | 2,000 | 4,000 | D |
| Electrical engineer | 128,000 | 75,000 | 43,000 | 4,000 | 5,000 | D |
| Industrial engineer | 25,000 | 18,000 | 4,000 | 1,000 | 2,000 | D |
| Mechanical engineer | 84,000 | 61,000 | 16,000 | 2,000 | 4,000 | D |
| Other engineer | 99,000 | 75,000 | 16,000 | 3,000 | 4,000 | D |
| Postsecondary teacher | 9,000 | 7,000 | 1,000 | D | * | D |
| S&E-related occupations | 1,266,000 | 1,010,000 | 96,000 | 83,000 | 55,000 | 5,000 |
| Health-related occupation | 646,000 | 513,000 | 52,000 | 44,000 | 26,000 | 4,000 |
| S&E manager | 152,000 | 117,000 | 15,000 | 9,000 | 8,000 | D |
| S&E precollege teacher | 343,000 | 288,000 | 10,000 | 25,000 | 13,000 | D |
| S&E technician/technologist | 59,000 | 39,000 | 13,000 | 2,000 | 4,000 | D |
| Other S&E-related occupation | 67,000 | 52,000 | 6,000 | 3,000 | 5,000 | D |
| Non-S&E occupations | 2,621,000 | 2,055,000 | 182,000 | 190,000 | 145,000 | 12,000 |
| Art, humanities, and related occupation | 82,000 | 67,000 | 5,000 | 6,000 | 3,000 | D |
| Management-related occupation | 473,000 | 353,000 | 53,000 | 31,000 | 26,000 | 3,000 |
| Non-S&E manager | 480,000 | 388,000 | 29,000 | 30,000 | 25,000 | 3,000 |
| Non-S&E postsecondary teacher | 57,000 | 43,000 | 4,000 | 4,000 | 5,000 | D |
| Non-S&E precollege teacher | 350,000 | 291,000 | 10,000 | 26,000 | 17,000 | D |
| Sales and marketing occupation | 313,000 | 250,000 | 27,000 | 14,000 | 17,000 | D |
| Social services and related occupation | 410,000 | 317,000 | 11,000 | 46,000 | 27,000 | 2,000 |
| Other non-S&E occupation | 456,000 | 346,000 | 43,000 | 33,000 | 25,000 | 2,000 |
| Doctorate | 883,000 | 657,000 | 155,000 | 31,000 | 32,000 | 5,000 |
| S&E occupations | 566,000 | 411,000 | 116,000 | 17,000 | 17,000 | 3,000 |
| Scientist | 467,000 | 349,000 | 84,000 | 15,000 | 15,000 | 3,000 |
| Biological/life scientist | 154,000 | 107,000 | 36,000 | 4,000 | 5,000 | 1,000 |
| Agricultural/food scientist | 10,000 | 8,000 | 2,000 | * | * | D |
| Biological/medical scientist | 107,000 | 69,000 | 31,000 | 2,000 | 4,000 | 1,000 |
| Forestry and conservation scientist | 2,000 | 2,000 | D | D | D | D |
| Postsecondary teacher | 34,000 | 28,000 | 3,000 | 1,000 | 1,000 | * |

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2006

| Highest degree and occupation | All races/ethnicities | White | Asian | Black | Hispanic | American Indian/Alaska Native |
|---|-----------------------|---------|--------|--------|----------|-------------------------------|
| Computer and information scientist | 50,000 | 31,000 | 17,000 | 1,000 | 1,000 | D |
| Computer/information scientist | 41,000 | 25,000 | 14,000 | 1,000 | 1,000 | D |
| Postsecondary teacher | 9,000 | 6,000 | 3,000 | * | * | D |
| Mathematical scientist | 33,000 | 24,000 | 6,000 | 1,000 | 1,000 | D |
| Mathematical scientist | 12,000 | 8,000 | 3,000 | * | * | D |
| Postsecondary teacher | 21,000 | 17,000 | 3,000 | 1,000 | 1,000 | D |
| Physical scientist | 89,000 | 67,000 | 17,000 | 2,000 | 2,000 | * |
| Chemist, except biochemist | 28,000 | 19,000 | 8,000 | * | 1,000 | D |
| Earth scientist/geologist/oceanographer | 11,000 | 8,000 | 2,000 | * | * | D |
| Physicist/astronomer | 16,000 | 12,000 | 3,000 | * | * | D |
| Other physical scientist | 3,000 | 2,000 | 1,000 | * | D | D |
| Postsecondary teacher | 31,000 | 26,000 | 3,000 | 1,000 | 1,000 | * |
| Psychologist | 76,000 | 67,000 | 2,000 | 3,000 | 3,000 | 1,000 |
| Psychologist | 56,000 | 50,000 | 1,000 | 2,000 | 2,000 | * |
| Postsecondary teacher | 19,000 | 17,000 | * | 1,000 | 1,000 | * |
| Social scientist | 66,000 | 53,000 | 6,000 | 4,000 | 2,000 | 1,000 |
| Economist | 8,000 | 6,000 | 1,000 | * | * | D |
| Political scientist | 2,000 | 1,000 | * | * | * | D |
| Sociologist/anthropologist | 4,000 | 4,000 | * | * | * | D |
| Other social scientist | 8,000 | 6,000 | 1,000 | 1,000 | * | D |
| Postsecondary teacher | 44,000 | 35,000 | 4,000 | 3,000 | 1,000 | 1,000 |
| Engineer | 99,000 | 61,000 | 33,000 | 2,000 | 3,000 | * |
| Aerospace engineer | 6,000 | 5,000 | 2,000 | * | * | D |
| Chemical engineer | 9,000 | 5,000 | 3,000 | * | * | D |
| Civil engineer | 5,000 | 3,000 | 2,000 | D | * | D |
| Electrical engineer | 24,000 | 13,000 | 10,000 | * | * | D |
| Industrial engineer | 2,000 | 2,000 | 1,000 | D | D | D |
| Mechanical engineer | 9,000 | 5,000 | 4,000 | D | * | D |
| Other engineer | 22,000 | 14,000 | 7,000 | * | 1,000 | D |
| Postsecondary teacher | 21,000 | 15,000 | 4,000 | 1,000 | 1,000 | * |
| S&E-related occupations | 97,000 | 74,000 | 14,000 | 3,000 | 4,000 | * |
| Health-related occupation | 53,000 | 40,000 | 7,000 | 2,000 | 3,000 | * |
| S&E manager | 27,000 | 20,000 | 5,000 | 1,000 | 1,000 | * |
| S&E precollege teacher | 12,000 | 11,000 | * | 1,000 | * | D |
| S&E technician/technologist | 4,000 | 2,000 | 1,000 | D | * | D |
| Other S&E-related occupation | 1,000 | * | D | D | D | D |
| Non-S&E occupations | 220,000 | 172,000 | 25,000 | 11,000 | 10,000 | 1,000 |
| Art, humanities and related occupation | 8,000 | 7,000 | 1,000 | * | * | D |
| Management-related occupation | 42,000 | 33,000 | 6,000 | 2,000 | 1,000 | * |
| Non-S&E manager | 67,000 | 56,000 | 7,000 | 3,000 | 2,000 | * |
| Non-S&E postsecondary teacher | 47,000 | 38,000 | 4,000 | 2,000 | 3,000 | D |
| Non-S&E precollege teacher | 6,000 | 4,000 | * | 1,000 | 1,000 | D |
| Sales and marketing occupation | 16,000 | 11,000 | 4,000 | * | 1,000 | D |
| Social services and related occupation | 14,000 | 10,000 | 1,000 | 2,000 | 1,000 | D |
| Other non-S&E occupation | 20,000 | 14,000 | 3,000 | 1,000 | 2,000 | D |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-7. Employed scientists and engineers, by occupation, highest degree level, race/ethnicity, and sex: 2006

| Highest degree and occupation | | | | | | | | | | | American Indian/ Alaska Native | |
|------------------------------------|-----------------------|------------|-----------|-----------|---------|-----------|---------|---------|----------|---------|-----------------------------------|--------|
| | All races/ethnicities | | White | | Asian | | Black | | Hispanic | | Female | Male |
| | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | | |
| All degrees | 8,244,000 | 10,683,000 | 6,139,000 | 8,332,000 | 801,000 | 1,132,000 | 617,000 | 458,000 | 485,000 | 541,000 | 43,000 | 41,000 |
| S&E occupations | 1,310,000 | 3,714,000 | 913,000 | 2,764,000 | 227,000 | 583,000 | 74,000 | 123,000 | 65,000 | 165,000 | 6,000 | 15,000 |
| Scientist | 1,122,000 | 2,281,000 | 794,000 | 1,671,000 | 190,000 | 385,000 | 63,000 | 83,000 | 51,000 | 91,000 | 5,000 | 12,000 |
| Biological/life scientist | 213,000 | 274,000 | 152,000 | 212,000 | 38,000 | 39,000 | 6,000 | 7,000 | 12,000 | 9,000 | 1,000 | 3,000 |
| Computer and information scientist | 502,000 | 1,461,000 | 327,000 | 1,012,000 | 111,000 | 299,000 | 36,000 | 60,000 | 18,000 | 59,000 | 1,000 | 3,000 |
| Mathematical scientist | 58,000 | 91,000 | 41,000 | 73,000 | 9,000 | 10,000 | 5,000 | 3,000 | 2,000 | 3,000 | D | D |
| Physical scientist | 95,000 | 239,000 | 68,000 | 195,000 | 17,000 | 26,000 | 3,000 | 5,000 | 5,000 | 9,000 | 1,000 | 1,000 |
| Psychologist | 137,000 | 74,000 | 116,000 | 65,000 | 4,000 | 2,000 | 6,000 | 3,000 | 8,000 | 4,000 | 1,000 | * |
| Social scientist | 118,000 | 141,000 | 91,000 | 113,000 | 10,000 | 9,000 | 7,000 | 5,000 | 5,000 | 7,000 | 1,000 | 4,000 |
| Engineer | 187,000 | 1,433,000 | 120,000 | 1,093,000 | 37,000 | 198,000 | 11,000 | 41,000 | 14,000 | 74,000 | 1,000 | 3,000 |
| S&E-related occupations | 2,986,000 | 2,260,000 | 2,274,000 | 1,768,000 | 278,000 | 230,000 | 217,000 | 86,000 | 143,000 | 130,000 | 18,000 | 8,000 |
| Non-S&E occupations | 3,948,000 | 4,709,000 | 2,952,000 | 3,801,000 | 297,000 | 319,000 | 326,000 | 249,000 | 278,000 | 247,000 | 20,000 | 18,000 |
| Bachelor's | 4,878,000 | 6,007,000 | 3,626,000 | 4,726,000 | 438,000 | 530,000 | 376,000 | 272,000 | 305,000 | 332,000 | 28,000 | 25,000 |
| S&E occupations | 690,000 | 2,221,000 | 497,000 | 1,720,000 | 89,000 | 247,000 | 46,000 | 80,000 | 39,000 | 117,000 | 3,000 | 10,000 |
| Scientist | 572,000 | 1,292,000 | 418,000 | 981,000 | 73,000 | 163,000 | 38,000 | 51,000 | 29,000 | 62,000 | 2,000 | 8,000 |
| Biological/life scientist | 103,000 | 100,000 | 77,000 | 82,000 | 13,000 | 6,000 | 3,000 | 3,000 | 6,000 | 4,000 | D | 3,000 |
| Computer and information scientist | 339,000 | 1,011,000 | 241,000 | 752,000 | 49,000 | 145,000 | 27,000 | 43,000 | 14,000 | 47,000 | D | 2,000 |
| Mathematical scientist | 18,000 | 27,000 | 14,000 | 22,000 | 1,000 | 2,000 | 1,000 | 2,000 | 1,000 | 1,000 | D | D |
| Physical scientist | 53,000 | 106,000 | 40,000 | 88,000 | 7,000 | 7,000 | 3,000 | 3,000 | 3,000 | 6,000 | D | 1,000 |
| Psychologist | 16,000 | 6,000 | 11,000 | 4,000 | D | D | 2,000 | D | 2,000 | 2,000 | D | D |
| Social scientist | 44,000 | 42,000 | 36,000 | 33,000 | 2,000 | 2,000 | 3,000 | 1,000 | 2,000 | 3,000 | D | D |
| Engineer | 118,000 | 928,000 | 79,000 | 739,000 | 16,000 | 84,000 | 7,000 | 29,000 | 10,000 | 55,000 | 1,000 | 3,000 |
| S&E-related occupations | 1,830,000 | 980,000 | 1,395,000 | 761,000 | 158,000 | 93,000 | 138,000 | 37,000 | 87,000 | 62,000 | 12,000 | 4,000 |
| Non-S&E occupations | 2,358,000 | 2,807,000 | 1,734,000 | 2,244,000 | 191,000 | 190,000 | 192,000 | 154,000 | 179,000 | 154,000 | 13,000 | 11,000 |
| Master's | 2,506,000 | 2,878,000 | 1,888,000 | 2,190,000 | 244,000 | 384,000 | 196,000 | 130,000 | 131,000 | 123,000 | 11,000 | 10,000 |
| S&E occupations | 437,000 | 1,061,000 | 284,000 | 730,000 | 105,000 | 244,000 | 22,000 | 31,000 | 18,000 | 36,000 | 2,000 | 3,000 |
| Scientist | 377,000 | 647,000 | 248,000 | 433,000 | 89,000 | 159,000 | 18,000 | 22,000 | 14,000 | 19,000 | 1,000 | 2,000 |
| Biological/life scientist | 53,000 | 60,000 | 37,000 | 49,000 | 10,000 | 7,000 | 1,000 | 1,000 | 3,000 | 1,000 | D | D |
| Computer and information scientist | 153,000 | 404,000 | 80,000 | 230,000 | 58,000 | 139,000 | 9,000 | 16,000 | 4,000 | 11,000 | D | D |
| Mathematical scientist | 30,000 | 40,000 | 20,000 | 33,000 | 6,000 | 4,000 | 3,000 | 1,000 | 1,000 | 1,000 | D | D |
| Physical scientist | 27,000 | 57,000 | 18,000 | 48,000 | 6,000 | 6,000 | 1,000 | 1,000 | 1,000 | 1,000 | D | D |
| Psychologist | 68,000 | 30,000 | 59,000 | 26,000 | 3,000 | D | 2,000 | 1,000 | 4,000 | 1,000 | D | D |
| Social scientist | 45,000 | 57,000 | 33,000 | 47,000 | 6,000 | 2,000 | 3,000 | 2,000 | 2,000 | 3,000 | D | D |
| Engineer | 60,000 | 414,000 | 35,000 | 297,000 | 16,000 | 85,000 | 3,000 | 10,000 | 4,000 | 17,000 | D | D |
| S&E-related occupations | 783,000 | 483,000 | 626,000 | 384,000 | 53,000 | 44,000 | 58,000 | 25,000 | 33,000 | 22,000 | 3,000 | 1,000 |
| Non-S&E occupations | 1,286,000 | 1,335,000 | 978,000 | 1,077,000 | 86,000 | 96,000 | 117,000 | 73,000 | 80,000 | 65,000 | 6,000 | 6,000 |

TABLE H-7. Employed scientists and engineers, by occupation, highest degree level, race/ethnicity, and sex: 2006

| Highest degree and occupation | All races/ethnicities | | White | | Asian | | Black | | Hispanic | | American Indian/ Alaska Native | |
|------------------------------------|-----------------------|---------|---------|---------|--------|---------|--------|--------|----------|--------|-----------------------------------|-------|
| | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male |
| Doctorate | 267,000 | 616,000 | 199,000 | 458,000 | 40,000 | 115,000 | 12,000 | 19,000 | 13,000 | 19,000 | 2,000 | 3,000 |
| S&E occupations | 161,000 | 405,000 | 117,000 | 293,000 | 29,000 | 88,000 | 6,000 | 10,000 | 7,000 | 11,000 | 1,000 | 2,000 |
| Scientist | 152,000 | 316,000 | 112,000 | 237,000 | 25,000 | 59,000 | 6,000 | 9,000 | 6,000 | 8,000 | 1,000 | 2,000 |
| Biological/life scientist | 52,000 | 102,000 | 35,000 | 72,000 | 12,000 | 23,000 | 1,000 | 3,000 | 2,000 | 3,000 | 1,000 | 1,000 |
| Computer and information scientist | 8,000 | 42,000 | 4,000 | 27,000 | 3,000 | 14,000 | * | 1,000 | 1,000 | 1,000 | D | D |
| Mathematical scientist | 9,000 | 24,000 | 6,000 | 18,000 | 2,000 | 5,000 | * | * | * | 1,000 | D | D |
| Physical scientist | 15,000 | 74,000 | 10,000 | 57,000 | 4,000 | 13,000 | * | 1,000 | 1,000 | 2,000 | * | * |
| Psychologist | 42,000 | 33,000 | 37,000 | 30,000 | 1,000 | * | 2,000 | 1,000 | 2,000 | 1,000 | * | * |
| Social scientist | 26,000 | 40,000 | 20,000 | 32,000 | 2,000 | 4,000 | 2,000 | 3,000 | 1,000 | 1,000 | * | * |
| Engineer | 10,000 | 89,000 | 5,000 | 56,000 | 4,000 | 29,000 | * | 2,000 | * | 2,000 | D | * |
| S&E-related occupations | 38,000 | 59,000 | 29,000 | 45,000 | 4,000 | 10,000 | 2,000 | 2,000 | 2,000 | 2,000 | * | * |
| Non-S&E occupations | 69,000 | 152,000 | 52,000 | 120,000 | 7,000 | 18,000 | 4,000 | 7,000 | 4,000 | 6,000 | * | 1,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-8. Employed scientists and engineers, by occupation, highest degree level, and disability status: 2006

| Occupation | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|---|-------------|---------------|-----------------|------------|---------------|-----------------|-----------|---------------|-----------------|-----------|---------------|-----------------|
| | Total | No disability | With disability | Total | No disability | With disability | Total | No disability | With disability | Total | No disability | With disability |
| All occupations | 18,927,000 | 17,692,000 | 1,235,000 | 10,886,000 | 10,141,000 | 745,000 | 5,384,000 | 5,052,000 | 332,000 | 883,000 | 825,000 | 59,000 |
| S&E occupations | 5,024,000 | 4,718,000 | 306,000 | 2,911,000 | 2,725,000 | 186,000 | 1,497,000 | 1,415,000 | 82,000 | 566,000 | 531,000 | 35,000 |
| Scientist | 3,403,000 | 3,198,000 | 205,000 | 1,865,000 | 1,747,000 | 118,000 | 1,023,000 | 968,000 | 56,000 | 467,000 | 439,000 | 28,000 |
| Biological/life scientist | 487,000 | 459,000 | 28,000 | 203,000 | 192,000 | 11,000 | 113,000 | 105,000 | 8,000 | 154,000 | 145,000 | 9,000 |
| Agricultural/food scientist | 57,000 | 52,000 | 5,000 | 32,000 | 30,000 | 2,000 | 15,000 | 12,000 | 2,000 | 10,000 | 10,000 | * |
| Biological/medical scientist | 336,000 | 322,000 | 14,000 | 137,000 | 132,000 | 5,000 | 76,000 | 73,000 | 3,000 | 107,000 | 102,000 | 6,000 |
| Forestry and conservation scientist | 35,000 | 30,000 | 4,000 | 22,000 | 19,000 | 3,000 | 11,000 | 10,000 | 1,000 | 2,000 | 2,000 | * |
| Postsecondary teacher | 60,000 | 55,000 | 5,000 | 13,000 | 11,000 | D | 11,000 | 10,000 | 2,000 | 34,000 | 32,000 | 2,000 |
| Computer and information scientist | 1,963,000 | 1,845,000 | 119,000 | 1,350,000 | 1,259,000 | 91,000 | 557,000 | 533,000 | 24,000 | 50,000 | 48,000 | 2,000 |
| Computer/information scientist | 1,938,000 | 1,823,000 | 115,000 | 1,345,000 | 1,255,000 | 91,000 | 546,000 | 523,000 | 23,000 | 41,000 | 39,000 | 2,000 |
| Postsecondary teacher | 25,000 | 22,000 | 3,000 | 5,000 | 4,000 | D | 11,000 | 9,000 | 2,000 | 9,000 | 9,000 | 1,000 |
| Mathematical scientist | 149,000 | 141,000 | 8,000 | 44,000 | 42,000 | 2,000 | 70,000 | 66,000 | 4,000 | 33,000 | 30,000 | 2,000 |
| Mathematical scientist | 85,000 | 80,000 | 5,000 | 32,000 | 30,000 | D | 39,000 | 37,000 | 2,000 | 12,000 | 11,000 | 1,000 |
| Postsecondary teacher | 64,000 | 61,000 | 4,000 | 12,000 | 12,000 | D | 31,000 | 29,000 | 2,000 | 21,000 | 20,000 | 1,000 |
| Physical scientist | 334,000 | 316,000 | 18,000 | 159,000 | 152,000 | 7,000 | 84,000 | 79,000 | 5,000 | 89,000 | 84,000 | 5,000 |
| Chemist, except biochemist | 134,000 | 127,000 | 7,000 | 79,000 | 75,000 | 4,000 | 26,000 | 25,000 | 1,000 | 28,000 | 27,000 | 1,000 |
| Earth scientist/geologist/oceanographer | 80,000 | 76,000 | 4,000 | 39,000 | 37,000 | 2,000 | 30,000 | 28,000 | 2,000 | 11,000 | 10,000 | 1,000 |
| Physicist/astronomer | 29,000 | 27,000 | 2,000 | 6,000 | 6,000 | * | 7,000 | 6,000 | D | 16,000 | 15,000 | 1,000 |
| Other physical scientist | 39,000 | 37,000 | 2,000 | 25,000 | 24,000 | D | 10,000 | 9,000 | D | 3,000 | 3,000 | * |
| Postsecondary teacher | 52,000 | 48,000 | 4,000 | 9,000 | 9,000 | D | 11,000 | 10,000 | 1,000 | 31,000 | 29,000 | 2,000 |
| Psychologist | 211,000 | 195,000 | 16,000 | 22,000 | 20,000 | 2,000 | 98,000 | 90,000 | 8,000 | 76,000 | 71,000 | 5,000 |
| Psychologist | 177,000 | 163,000 | 13,000 | 19,000 | 17,000 | 2,000 | 87,000 | 80,000 | 7,000 | 56,000 | 53,000 | 3,000 |
| Postsecondary teacher | 34,000 | 31,000 | 3,000 | 3,000 | 3,000 | D | 11,000 | 9,000 | 1,000 | 19,000 | 18,000 | 1,000 |
| Social scientist | 259,000 | 243,000 | 16,000 | 86,000 | 82,000 | 4,000 | 102,000 | 95,000 | 6,000 | 66,000 | 61,000 | 5,000 |
| Economist | 33,000 | 31,000 | 2,000 | 9,000 | 8,000 | D | 17,000 | 16,000 | D | 8,000 | 7,000 | 1,000 |
| Political scientist | 20,000 | 19,000 | 1,000 | 10,000 | 10,000 | D | 8,000 | 7,000 | D | 2,000 | 2,000 | * |
| Sociologist/anthropologist | 21,000 | 20,000 | * | 8,000 | 8,000 | D | 9,000 | 9,000 | D | 4,000 | 4,000 | * |
| Other social scientist | 103,000 | 98,000 | 5,000 | 50,000 | 47,000 | 3,000 | 43,000 | 41,000 | 2,000 | 8,000 | 8,000 | * |
| Postsecondary teacher | 81,000 | 74,000 | 7,000 | 10,000 | 9,000 | D | 25,000 | 23,000 | 3,000 | 44,000 | 41,000 | 4,000 |
| Engineer | 1,621,000 | 1,520,000 | 101,000 | 1,046,000 | 978,000 | 68,000 | 474,000 | 448,000 | 26,000 | 99,000 | 92,000 | 7,000 |
| Aerospace engineer | 96,000 | 88,000 | 8,000 | 57,000 | 52,000 | 5,000 | 32,000 | 30,000 | 2,000 | 6,000 | 6,000 | * |
| Chemical engineer | 80,000 | 77,000 | 3,000 | 51,000 | 48,000 | 3,000 | 21,000 | 20,000 | 1,000 | 9,000 | 8,000 | * |
| Civil engineer | 266,000 | 250,000 | 16,000 | 185,000 | 174,000 | 12,000 | 75,000 | 71,000 | 4,000 | 5,000 | 5,000 | * |
| Electrical engineer | 395,000 | 371,000 | 24,000 | 242,000 | 227,000 | 15,000 | 128,000 | 120,000 | 8,000 | 24,000 | 22,000 | 2,000 |
| Industrial engineer | 93,000 | 84,000 | 8,000 | 65,000 | 60,000 | 6,000 | 25,000 | 24,000 | 2,000 | 2,000 | 1,000 | 1,000 |
| Mechanical engineer | 305,000 | 287,000 | 18,000 | 211,000 | 197,000 | 14,000 | 84,000 | 81,000 | 3,000 | 9,000 | 9,000 | 1,000 |
| Other engineer | 348,000 | 328,000 | 20,000 | 227,000 | 214,000 | 13,000 | 99,000 | 94,000 | 5,000 | 22,000 | 21,000 | 1,000 |
| Postsecondary teacher | 38,000 | 35,000 | 4,000 | 8,000 | 7,000 | D | 9,000 | 8,000 | 1,000 | 21,000 | 20,000 | 1,000 |

TABLE H-8. Employed scientists and engineers, by occupation, highest degree level, and disability status: 2006

| Occupation | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|---|-------------|---------------|-----------------|------------|---------------|-----------------|-----------|---------------|-----------------|-----------|---------------|-----------------|
| | Total | No disability | With disability | Total | No disability | With disability | Total | No disability | With disability | Total | No disability | With disability |
| S&E-related occupations | 5,246,000 | 4,941,000 | 305,000 | 2,810,000 | 2,631,000 | 179,000 | 1,266,000 | 1,193,000 | 73,000 | 97,000 | 92,000 | 5,000 |
| Health-related occupation | 3,625,000 | 3,439,000 | 186,000 | 1,865,000 | 1,761,000 | 104,000 | 646,000 | 614,000 | 32,000 | 53,000 | 51,000 | 3,000 |
| S&E manager | 382,000 | 360,000 | 22,000 | 199,000 | 186,000 | 14,000 | 152,000 | 144,000 | 7,000 | 27,000 | 25,000 | 1,000 |
| S&E precollege teacher | 644,000 | 589,000 | 55,000 | 283,000 | 256,000 | 28,000 | 343,000 | 316,000 | 27,000 | 12,000 | 12,000 | * |
| S&E technician/technologist | 371,000 | 343,000 | 27,000 | 306,000 | 283,000 | 23,000 | 59,000 | 55,000 | 4,000 | 4,000 | 4,000 | * |
| Other S&E-related occupation | 224,000 | 210,000 | 14,000 | 156,000 | 146,000 | 10,000 | 67,000 | 63,000 | 4,000 | 1,000 | 1,000 | D |
| Non-S&E occupations | 8,657,000 | 8,032,000 | 625,000 | 5,165,000 | 4,785,000 | 379,000 | 2,621,000 | 2,444,000 | 177,000 | 220,000 | 201,000 | 19,000 |
| Art, humanities, and related occupation | 262,000 | 246,000 | 16,000 | 165,000 | 157,000 | 8,000 | 82,000 | 76,000 | 6,000 | 8,000 | 7,000 | 1,000 |
| Management-related occupation | 1,361,000 | 1,275,000 | 85,000 | 816,000 | 757,000 | 59,000 | 473,000 | 448,000 | 25,000 | 42,000 | 40,000 | 2,000 |
| Non-S&E manager | 1,118,000 | 1,041,000 | 78,000 | 528,000 | 488,000 | 40,000 | 480,000 | 450,000 | 30,000 | 67,000 | 63,000 | 4,000 |
| Non-S&E postsecondary teacher | 141,000 | 128,000 | 13,000 | 29,000 | 26,000 | 3,000 | 57,000 | 53,000 | 5,000 | 47,000 | 42,000 | 5,000 |
| Non-S&E precollege teacher | 724,000 | 682,000 | 42,000 | 360,000 | 341,000 | 18,000 | 350,000 | 327,000 | 23,000 | 6,000 | 6,000 | * |
| Sales and marketing occupation | 1,435,000 | 1,336,000 | 100,000 | 1,080,000 | 1,010,000 | 70,000 | 313,000 | 288,000 | 25,000 | 16,000 | 13,000 | 2,000 |
| Social services and related occupation | 714,000 | 660,000 | 54,000 | 271,000 | 252,000 | 19,000 | 410,000 | 378,000 | 32,000 | 14,000 | 13,000 | 2,000 |
| Other non-S&E occupation | 2,902,000 | 2,665,000 | 237,000 | 1,915,000 | 1,754,000 | 161,000 | 456,000 | 424,000 | 31,000 | 20,000 | 17,000 | 3,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. All degrees includes professional degrees not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-9. Employment status of scientists and engineers, by age, sex, race/ethnicity, and disability status: 2006

| Age (years), sex, race/ethnicity, and disability status | Total | Employed | | | Not employed | | Retired |
|---|------------|------------|-----------|--------------------------|--------------------|------------------------|-----------|
| | | Full time | Part time | Postdoctoral appointment | Seeking employment | Not seeking employment | |
| Ages 75 and younger | 22,630,000 | 16,022,000 | 2,876,000 | 30,000 | 485,000 | 1,395,000 | 1,823,000 |
| Female | 10,230,000 | 6,243,000 | 1,989,000 | 12,000 | 224,000 | 1,114,000 | 648,000 |
| Male | 12,400,000 | 9,779,000 | 886,000 | 18,000 | 261,000 | 281,000 | 1,175,000 |
| White | 17,421,000 | 12,115,000 | 2,339,000 | 17,000 | 332,000 | 1,047,000 | 1,570,000 |
| Asian | 2,255,000 | 1,701,000 | 223,000 | 10,000 | 65,000 | 174,000 | 83,000 |
| Black | 1,258,000 | 957,000 | 117,000 | 1,000 | 43,000 | 51,000 | 89,000 |
| Hispanic | 1,193,000 | 890,000 | 136,000 | 1,000 | 31,000 | 85,000 | 51,000 |
| American Indian/Alaska Native | 102,000 | 75,000 | 9,000 | * | 2,000 | 8,000 | 8,000 |
| No disability | 20,816,000 | 14,982,000 | 2,681,000 | 28,000 | 426,000 | 1,232,000 | 1,466,000 |
| With disability | 1,814,000 | 1,040,000 | 194,000 | 1,000 | 59,000 | 163,000 | 357,000 |
| 29 and younger | 2,732,000 | 2,003,000 | 358,000 | 5,000 | 79,000 | 286,000 | D |
| Female | 1,542,000 | 1,074,000 | 240,000 | 2,000 | 49,000 | 178,000 | D |
| Male | 1,190,000 | 930,000 | 119,000 | 3,000 | 31,000 | 108,000 | D |
| White | 1,867,000 | 1,387,000 | 255,000 | 3,000 | 46,000 | 176,000 | D |
| Asian | 415,000 | 295,000 | 44,000 | 1,000 | 15,000 | 61,000 | D |
| Black | 156,000 | 112,000 | 20,000 | * | 8,000 | 16,000 | D |
| Hispanic | 189,000 | 138,000 | 24,000 | * | 7,000 | 20,000 | D |
| American Indian/Alaska Native | 10,000 | 7,000 | 1,000 | D | D | 1,000 | D |
| No disability | 2,666,000 | 1,954,000 | 351,000 | 5,000 | 76,000 | 279,000 | D |
| With disability | 66,000 | 49,000 | 7,000 | D | 3,000 | 7,000 | D |
| 30-39 | 5,302,000 | 4,126,000 | 617,000 | 21,000 | 99,000 | 429,000 | 9,000 |
| Female | 2,596,000 | 1,631,000 | 504,000 | 9,000 | 62,000 | 384,000 | 8,000 |
| Male | 2,705,000 | 2,495,000 | 113,000 | 13,000 | 37,000 | 46,000 | 1,000 |
| White | 3,792,000 | 2,914,000 | 475,000 | 12,000 | 57,000 | 327,000 | 7,000 |
| Asian | 701,000 | 548,000 | 71,000 | 8,000 | 19,000 | 54,000 | 1,000 |
| Black | 318,000 | 265,000 | 24,000 | 1,000 | 14,000 | 13,000 | D |
| Hispanic | 355,000 | 287,000 | 31,000 | 1,000 | 8,000 | 28,000 | D |
| American Indian/Alaska Native | 20,000 | 18,000 | 1,000 | D | D | D | D |
| No disability | 5,147,000 | 4,014,000 | 603,000 | 21,000 | 89,000 | 412,000 | 8,000 |
| With disability | 155,000 | 112,000 | 14,000 | 1,000 | 10,000 | 17,000 | D |
| 40-49 | 5,849,000 | 4,611,000 | 731,000 | 3,000 | 115,000 | 360,000 | 28,000 |
| Female | 2,699,000 | 1,710,000 | 604,000 | 1,000 | 51,000 | 312,000 | 21,000 |
| Male | 3,150,000 | 2,902,000 | 127,000 | 2,000 | 63,000 | 48,000 | 8,000 |
| White | 4,470,000 | 3,487,000 | 604,000 | 2,000 | 79,000 | 278,000 | 22,000 |
| Asian | 580,000 | 471,000 | 51,000 | 1,000 | 16,000 | 39,000 | 3,000 |
| Black | 347,000 | 302,000 | 26,000 | * | 8,000 | 10,000 | D |
| Hispanic | 335,000 | 267,000 | 38,000 | * | 7,000 | 22,000 | 1,000 |
| American Indian/Alaska Native | 31,000 | 23,000 | 2,000 | D | D | 4,000 | D |
| No disability | 5,444,000 | 4,318,000 | 687,000 | 3,000 | 101,000 | 316,000 | 20,000 |
| With disability | 404,000 | 293,000 | 44,000 | * | 14,000 | 44,000 | 9,000 |
| 50-75 | 8,748,000 | 5,281,000 | 1,169,000 | 1,000 | 191,000 | 320,000 | 1,786,000 |
| Female | 3,393,000 | 1,829,000 | 642,000 | * | 62,000 | 240,000 | 620,000 |
| Male | 5,355,000 | 3,453,000 | 527,000 | * | 129,000 | 79,000 | 1,166,000 |
| White | 7,291,000 | 4,328,000 | 1,004,000 | 1,000 | 151,000 | 266,000 | 1,541,000 |
| Asian | 560,000 | 386,000 | 58,000 | D | 16,000 | 20,000 | 79,000 |
| Black | 436,000 | 277,000 | 48,000 | D | 13,000 | 12,000 | 86,000 |
| Hispanic | 314,000 | 198,000 | 43,000 | D | 9,000 | 14,000 | 50,000 |
| American Indian/Alaska Native | 41,000 | 27,000 | 4,000 | D | 1,000 | D | 7,000 |
| No disability | 7,559,000 | 4,696,000 | 1,040,000 | 1,000 | 160,000 | 224,000 | 1,438,000 |
| With disability | 1,189,000 | 585,000 | 130,000 | * | 31,000 | 95,000 | 347,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-10. Employment status of scientists and engineers with disabilities, by age at onset of disability: 2006

| Employment status | 75 years and younger | | Younger than | | | | | |
|--------------------------------------|----------------------|----------|--------------|-------------|-------------|-------------|-------------|---------|
| | Since birth | 10 years | 10–19 years | 20–29 years | 30–39 years | 40–49 years | 50–75 years | |
| All scientists and engineers | 1,814,000 | 114,000 | 109,000 | 182,000 | 181,000 | 224,000 | 503,000 | 501,000 |
| Employed in S&E occupations | 610,000 | 45,000 | 41,000 | 79,000 | 74,000 | 70,000 | 191,000 | 110,000 |
| Employed in non-S&E occupations | 625,000 | 39,000 | 43,000 | 66,000 | 57,000 | 97,000 | 195,000 | 128,000 |
| Not employed, seeking employment | 59,000 | 3,000 | 6,000 | 6,000 | 7,000 | 10,000 | 11,000 | 15,000 |
| Not employed, not seeking employment | 520,000 | 26,000 | 18,000 | 31,000 | 43,000 | 48,000 | 106,000 | 249,000 |

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-11. Scientists and engineers employed part time, by preference for full-time employment and reason for working part time, sex, race/ethnicity, and disability status: 2006

| Preference and reason for part time | Race/ethnicity | | | | | | | | | |
|---|----------------|-----------|---------|-----------|---------|---------|----------|-------------------------------|-------------------|-----------------|
| | Total | Sex | | White | Asian | Black | Hispanic | American Indian/Alaska Native | Disability status | |
| | | Female | Male | | | | | | No disability | With disability |
| All part time | 2,876,000 | 1,990,000 | 887,000 | 2,339,000 | 223,000 | 117,000 | 136,000 | 9,000 | 2,682,000 | 194,000 |
| Preference for full-time status | | | | | | | | | | |
| Did not want | 2,426,000 | 1,709,000 | 717,000 | 2,015,000 | 166,000 | 81,000 | 110,000 | 8,000 | 2,265,000 | 161,000 |
| Wanted | 450,000 | 281,000 | 169,000 | 324,000 | 57,000 | 36,000 | 25,000 | 1,000 | 417,000 | 33,000 |
| Reason for part-time status | | | | | | | | | | |
| Chronic illness or permanent disability | 120,000 | 79,000 | 41,000 | 94,000 | 6,000 | 7,000 | 9,000 | 1,000 | 73,000 | 46,000 |
| Did not need/want to work full time | 1,529,000 | 1,085,000 | 444,000 | 1,304,000 | 98,000 | 38,000 | 58,000 | 6,000 | 1,449,000 | 81,000 |
| Family responsibilities | 1,274,000 | 1,115,000 | 159,000 | 1,057,000 | 99,000 | 33,000 | 61,000 | 4,000 | 1,217,000 | 57,000 |
| Full-time job not available | 161,000 | 106,000 | 55,000 | 122,000 | 12,000 | 14,000 | 7,000 | D | 148,000 | 13,000 |
| Hold another job | 80,000 | 58,000 | 22,000 | 64,000 | 8,000 | 3,000 | 2,000 | D | 76,000 | 3,000 |
| Retired | 579,000 | 231,000 | 348,000 | 503,000 | 21,000 | 28,000 | 17,000 | 1,000 | 507,000 | 72,000 |
| Student | 347,000 | 219,000 | 127,000 | 232,000 | 57,000 | 19,000 | 27,000 | 1,000 | 338,000 | 8,000 |
| Other | 342,000 | 205,000 | 137,000 | 249,000 | 30,000 | 31,000 | 23,000 | 1,000 | 320,000 | 22,000 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression and because respondents could select more than one reason. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-12. Scientists and engineers who are unemployed or out of labor force, by reason for not working, sex, race/ethnicity, and disability status: 2006

| Reason for not working | Race/ethnicity | | | | | | | | | |
|---|----------------------|-----------|-----------|-----------|---------|---------|----------|-------------------------------|-------------------|-----------------|
| | Total | Sex | | White | Asian | Black | Hispanic | American Indian/Alaska Native | Disability status | |
| | | Female | Male | | | | | | No disability | With disability |
| All not working | 3,703,000 | 1,986,000 | 1,717,000 | 2,949,000 | 322,000 | 183,000 | 166,000 | 18,000 | 3,124,000 | 579,000 |
| Chronic illness or permanent disability | 337,000 | 179,000 | 158,000 | 247,000 | 23,000 | 33,000 | 15,000 | 5,000 | 136,000 | 200,000 |
| Did not need/want to work | 1,076,000 | 726,000 | 350,000 | 901,000 | 79,000 | 36,000 | 38,000 | 4,000 | 968,000 | 108,000 |
| Family responsibilities | 879,000 | 787,000 | 93,000 | 688,000 | 100,000 | 28,000 | 51,000 | 2,000 | 822,000 | 57,000 |
| Laid off | 231,000 | 83,000 | 148,000 | 166,000 | 29,000 | 16,000 | 14,000 | 1,000 | 205,000 | 25,000 |
| Retired | 1,897,000 | 673,000 | 1,224,000 | 1,632,000 | 87,000 | 94,000 | 52,000 | 8,000 | 1,528,000 | 368,000 |
| Student | 390,000 | 225,000 | 165,000 | 237,000 | 77,000 | 27,000 | 31,000 | 1,000 | 375,000 | 15,000 |
| Suitable job not available | 376,000 | 178,000 | 198,000 | 258,000 | 58,000 | 25,000 | 22,000 | 1,000 | 313,000 | 63,000 |
| Other | 167,000 | 106,000 | 61,000 | 109,000 | 24,000 | 14,000 | 14,000 | D | 143,000 | 24,000 |
| | Percent distribution | | | | | | | | | |
| All not working | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Chronic illness or permanent disability | 9.1 | 9.0 | 9.2 | 8.4 | 7.0 | 18.3 | 8.7 | 30.4 | 4.4 | 34.6 |
| Did not need/want to work | 29.1 | 36.6 | 20.4 | 30.6 | 24.6 | 19.8 | 22.8 | 20.8 | 31.0 | 18.6 |
| Family responsibilities | 23.7 | 39.6 | 5.4 | 23.3 | 31.2 | 15.1 | 30.5 | 10.1 | 26.3 | 9.9 |
| Laid off | 6.2 | 4.2 | 8.6 | 5.6 | 8.9 | 8.6 | 8.2 | 3.3 | 6.6 | 4.4 |
| Retired | 51.2 | 33.9 | 71.3 | 55.3 | 27.0 | 51.5 | 31.3 | 48.0 | 48.9 | 63.6 |
| Student | 10.5 | 11.3 | 9.6 | 8.0 | 24.0 | 14.7 | 18.4 | 7.4 | 12.0 | 2.6 |
| Suitable job not available | 10.2 | 9.0 | 11.5 | 8.7 | 17.9 | 13.8 | 13.3 | 5.4 | 10.0 | 11.0 |
| Other | 4.5 | 5.3 | 3.5 | 3.7 | 7.6 | 7.4 | 8.3 | D | 4.6 | 4.2 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression and because respondents could select more than one reason. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-13. Primary education/employment status and median salary of 2003, 2004, and 2005 science, engineering, and health bachelor's degree recipients, by field of bachelor's degree, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All bachelor's degree recipients | Not full-time student | | | Median salary for full-time employed ^a (\$) | |
|---|----------------------------------|-----------------------|----------------|--------------------------------|--|--------------|
| | | Full-time student | S&E occupation | Employed in non-S&E occupation | | Not employed |
| All S&E and health fields | 1,565,500 | 370,100 | 483,300 | 623,000 | 89,200 | 39,000 |
| Sciences | 1,159,900 | 304,800 | 212,400 | 568,600 | 74,200 | 35,000 |
| Female | 647,200 | 182,600 | 86,100 | 332,700 | 45,900 | 32,000 |
| Male | 512,800 | 122,200 | 126,300 | 235,900 | 28,300 | 38,000 |
| White | 771,100 | 201,400 | 136,000 | 386,600 | 47,100 | 34,000 |
| Asian | 160,100 | 43,000 | 41,800 | 64,200 | 11,100 | 40,000 |
| Underrepresented minority | 228,700 | 60,300 | 34,600 | 117,800 | 15,900 | 34,000 |
| No disability | 1,119,800 | 295,800 | 204,100 | 550,000 | 69,900 | 35,000 |
| With disability | 40,100 | 9,000 | 8,300 | 18,500 | 4,300 | 33,000 |
| Biological/life sciences | 230,100 | 100,500 | 46,300 | 70,400 | 12,900 | 32,000 |
| Female | 142,900 | 60,100 | 28,800 | 46,000 | 8,000 | 30,000 |
| Male | 87,200 | 40,400 | 17,600 | 24,400 | 4,900 | 35,000 |
| White | 156,300 | 62,600 | 31,300 | 55,400 | 7,100 | 32,000 |
| Asian | 36,100 | 22,000 | 7,200 | 3,900 | 3,100 | 36,000 |
| Underrepresented minority | 37,700 | 15,900 | 7,900 | 11,200 | 2,700 | 28,000 |
| No disability | 225,600 | 98,900 | 45,300 | 68,600 | 12,800 | 32,000 |
| With disability | 4,600 | 1,600 | 1,000 | 1,800 | D | 28,000 |
| Computer and information sciences | 164,000 | 12,100 | 95,200 | 45,300 | 11,400 | 45,000 |
| Female | 37,300 | 2,200 | 16,800 | 14,500 | 3,800 | 40,000 |
| Male | 126,700 | 9,900 | 78,300 | 30,800 | 7,600 | 45,000 |
| White | 81,500 | 5,800 | 52,500 | 18,400 | 4,800 | 47,000 |
| Asian | 49,800 | 2,800 | 27,300 | 15,800 | 3,800 | 45,000 |
| Underrepresented minority | 32,700 | 3,500 | 15,400 | 11,100 | 2,800 | 42,000 |
| No disability | 155,400 | 11,800 | 90,500 | 43,300 | 9,900 | 45,000 |
| With disability | 8,500 | D | 4,700 | 2,000 | 1,500 | 43,000 |
| Mathematical sciences | 44,000 | 12,100 | 5,900 | 23,500 | 2,400 | 37,000 |
| Female | 20,400 | 5,600 | 2,100 | 11,700 | 1,100 | 35,000 |
| Male | 23,600 | 6,600 | 3,900 | 11,800 | 1,400 | 40,000 |
| White | 31,800 | 8,800 | 4,100 | 17,300 | 1,700 | 36,000 |
| Asian | 6,600 | 1,900 | 1,200 | 3,100 | D | 45,000 |
| Underrepresented minority | 5,500 | 1,500 | 700 | 3,100 | 300 | 37,000 |
| No disability | 42,700 | 11,500 | 5,800 | 22,900 | 2,400 | 37,000 |
| With disability | 1,300 | 600 | D | 600 | D | 38,000 |
| Physical and related sciences | 55,600 | 21,900 | 15,300 | 14,400 | 4,100 | 35,000 |
| Female | 24,500 | 9,300 | 6,700 | 6,300 | 2,100 | 34,000 |
| Male | 31,200 | 12,600 | 8,600 | 8,100 | 2,000 | 37,000 |
| White | 41,100 | 16,100 | 11,400 | 11,000 | 2,700 | 35,000 |
| Asian | 6,100 | 2,800 | 1,600 | 900 | 700 | 38,000 |
| Underrepresented minority | 8,400 | 3,000 | 2,300 | 2,500 | 700 | 35,000 |
| No disability | 53,700 | 21,100 | 14,800 | 14,000 | 3,800 | 35,000 |
| With disability | 1,900 | 800 | 500 | 300 | 300 | 33,000 |
| Psychology | 252,700 | 71,700 | 18,400 | 144,400 | 18,200 | 30,000 |
| Female | 194,700 | 57,000 | 13,700 | 107,500 | 16,500 | 30,000 |
| Male | 58,000 | 14,800 | 4,600 | 37,000 | 1,700 | 32,000 |
| White | 183,000 | 50,700 | 13,600 | 103,500 | 15,200 | 30,000 |
| Asian | 15,900 | D | D | 11,200 | D | 35,000 |
| Underrepresented minority | 53,900 | 18,100 | 3,000 | 29,800 | 3,000 | 31,000 |
| No disability | 246,900 | 70,500 | 17,100 | 141,900 | 17,400 | 30,000 |
| With disability | 5,800 | 1,200 | D | 2,500 | D | 32,000 |
| Social and related sciences | 413,500 | 86,400 | 31,300 | 270,600 | 25,200 | 34,000 |
| Female | 227,400 | 48,400 | 17,900 | 146,700 | 14,400 | 32,000 |
| Male | 186,100 | 38,000 | 13,400 | 123,900 | 10,800 | 35,000 |
| White | 277,400 | 57,500 | 23,200 | 181,100 | 15,600 | 33,000 |

TABLE H-13. Primary education/employment status and median salary of 2003, 2004, and 2005 science, engineering, and health bachelor's degree recipients, by field of bachelor's degree, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All bachelor's degree recipients | Not full-time student | | | Not employed | Median salary for full-time employed ^a (\$) |
|---|----------------------------------|-----------------------|----------------|--------------------------------|--------------|--|
| | | Full-time student | S&E occupation | Employed in non-S&E occupation | | |
| Asian | 45,700 | 10,500 | 2,800 | 29,400 | 3,000 | 36,000 |
| Underrepresented minority | 90,400 | 18,400 | 5,300 | 60,200 | 6,500 | 33,000 |
| No disability | 395,500 | 82,100 | 30,600 | 259,300 | 23,500 | 34,000 |
| With disability | 18,000 | 4,400 | 700 | 11,300 | 1,600 | 33,000 |
| Engineering | 183,100 | 32,300 | 117,200 | 28,000 | 5,600 | 52,000 |
| Female | 39,400 | 8,400 | 22,100 | 7,200 | 1,800 | 52,000 |
| Male | 143,600 | 23,900 | 95,100 | 20,800 | 3,800 | 52,000 |
| White | 116,100 | 18,900 | 78,300 | 16,900 | 2,000 | 52,000 |
| Asian | 36,100 | 9,400 | 20,100 | 4,800 | 1,800 | 53,000 |
| Underrepresented minority | 30,800 | 4,000 | 18,800 | 6,300 | 1,800 | 50,000 |
| No disability | 177,000 | 31,500 | 113,000 | 27,300 | 5,200 | 52,000 |
| With disability | 6,100 | 800 | 4,200 | 700 | 400 | 50,000 |
| Health | 222,500 | 33,000 | 153,600 | 26,400 | 9,500 | 45,000 |
| Female | 191,400 | 25,700 | 134,800 | 22,000 | 9,000 | 45,000 |
| Male | 31,100 | 7,300 | 18,800 | 4,400 | D | 48,000 |
| White | 157,800 | 24,100 | 110,900 | 18,000 | 4,800 | 45,000 |
| Asian | 16,800 | 2,800 | 8,600 | 3,100 | D | 47,000 |
| Underrepresented minority | 47,900 | 6,200 | 34,100 | 5,300 | 2,300 | 45,000 |
| No disability | 216,600 | 32,200 | 150,500 | 24,900 | 8,900 | 45,000 |
| With disability | 6,000 | D | 3,200 | 1,500 | D | 30,000 |

D = suppressed for data confidentiality reasons.

^aSalary data are for principal jobs only. Full-time employed are those working at least 35 hours per week at their principal jobs. Full-time students are excluded from salary data.

NOTES: Numbers are rounded to nearest 100, and median salaries are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The underrepresented minority category includes black, Hispanic, American Indian/Alaska Native, and Native Hawaiian/Other Pacific Islander. Total includes multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 2006.

TABLE H-14. Primary education/employment status and median salary of 2003, 2004, and 2005 science, engineering, and health master's degree recipients, by field of master's degree, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All master's degree recipients | Full-time student | Not full-time student | | | Median salary for full-time employed ^a (\$) |
|---|--------------------------------|-------------------|----------------------------|--------------------------------|--------------|--|
| | | | Employed in S&E occupation | Employed in non-S&E occupation | Not employed | |
| All S&E and health fields | 416,900 | 77,900 | 219,400 | 97,900 | 21,700 | 56,000 |
| Sciences | 204,700 | 46,700 | 77,700 | 68,100 | 12,300 | 50,000 |
| Female | 108,600 | 21,400 | 35,500 | 42,800 | 9,000 | 45,000 |
| Male | 96,100 | 25,300 | 42,200 | 25,300 | 3,300 | 56,000 |
| White | 110,000 | 22,500 | 37,400 | 45,700 | 4,500 | 46,000 |
| Asian | 65,500 | 18,100 | 31,400 | 9,900 | 6,200 | 60,000 |
| Underrepresented minority | 29,200 | 6,100 | 8,900 | 12,500 | 1,600 | 46,000 |
| No disability | 196,100 | 44,500 | 75,100 | 64,600 | 11,800 | 50,000 |
| With disability | 8,600 | 2,200 | 2,500 | 3,500 | 400 | 46,000 |
| Biological/life sciences | 29,400 | 7,300 | 14,300 | 6,100 | 1,700 | 45,000 |
| Female | 15,800 | 3,600 | 8,100 | 3,000 | 1,100 | 45,000 |
| Male | 13,500 | 3,700 | 6,200 | 3,100 | 600 | 47,000 |
| White | 19,800 | 4,000 | 10,100 | 4,900 | 800 | 45,000 |
| Asian | 5,800 | 2,300 | 2,600 | 400 | 500 | 50,000 |
| Underrepresented minority | 3,800 | 1,000 | 1,600 | 800 | 300 | 45,000 |
| No disability | 28,800 | 7,300 | 14,100 | 5,800 | 1,700 | 46,000 |
| With disability | 500 | D | 200 | 300 | D | D |
| Computer and information sciences | 52,300 | 8,100 | 32,500 | 7,200 | 4,600 | 65,000 |
| Female | 17,700 | 2,500 | 9,400 | 2,800 | 2,900 | 57,000 |
| Male | 34,700 | 5,600 | 23,100 | 4,300 | 1,600 | 69,000 |
| White | 11,800 | 1,400 | 7,500 | 2,400 | D | 70,000 |
| Asian | 36,400 | 6,300 | 22,200 | 3,900 | 4,000 | 65,000 |
| Underrepresented minority | 4,200 | 400 | 2,800 | 800 | D | 56,000 |
| No disability | 50,400 | 7,800 | 31,300 | 6,700 | 4,600 | 65,000 |
| With disability | 1,900 | D | 1,100 | 500 | D | D |
| Mathematical sciences | 11,800 | 4,400 | 4,500 | 2,600 | 300 | 60,000 |
| Female | 4,600 | 1,300 | 1,900 | 1,100 | 300 | 58,000 |
| Male | 7,200 | 3,100 | 2,700 | 1,500 | D | 63,000 |
| White | 5,600 | 1,900 | 2,300 | 1,400 | D | 58,000 |
| Asian | 5,500 | 2,200 | 2,100 | 1,100 | D | 63,000 |
| Underrepresented minority | 600 | 300 | 200 | 100 | D | 50,000 |
| No disability | 11,400 | 4,400 | 4,300 | 2,500 | 200 | 60,000 |
| With disability | 400 | D | 200 | D | D | D |
| Physical and related sciences | 14,900 | 6,200 | 5,800 | 2,300 | 700 | 50,000 |
| Female | 5,100 | 1,600 | 1,800 | 1,200 | 500 | 45,000 |
| Male | 9,900 | 4,600 | 4,000 | 1,100 | D | 51,000 |
| White | 8,100 | 2,700 | 3,500 | 1,700 | 200 | 50,000 |
| Asian | 5,400 | 2,900 | 1,800 | 300 | 400 | 50,000 |
| Underrepresented minority | 1,400 | 600 | 500 | 300 | D | 50,000 |
| No disability | 14,600 | 6,100 | 5,700 | 2,200 | 700 | 50,000 |
| With disability | 300 | D | D | D | D | D |
| Psychology | 50,600 | 9,600 | 11,100 | 28,100 | 1,800 | 40,000 |
| Female | 39,500 | 6,700 | 9,100 | 22,200 | 1,600 | 39,000 |
| Male | 11,100 | 2,900 | 2,000 | 6,000 | D | 43,000 |
| White | 35,900 | 6,800 | 7,500 | 20,400 | 1,100 | 39,000 |
| Asian | 2,700 | D | D | D | D | D |
| Underrepresented minority | 12,100 | 2,200 | 2,400 | 6,700 | 700 | 42,000 |
| No disability | 47,200 | 8,900 | 10,500 | 26,100 | 1,700 | 40,000 |
| With disability | 3,400 | 700 | D | 2,000 | D | 37,000 |
| Social and related sciences | 45,700 | 11,100 | 9,600 | 21,800 | 3,300 | 47,000 |
| Female | 26,000 | 5,600 | 5,300 | 12,500 | 2,600 | 46,000 |
| Male | 19,700 | 5,400 | 4,300 | 9,300 | 700 | 50,000 |
| White | 28,900 | 5,700 | 6,500 | 14,900 | 1,800 | 47,000 |

TABLE H-14. Primary education/employment status and median salary of 2003, 2004, and 2005 science, engineering, and health master's degree recipients, by field of master's degree, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All master's degree recipients | Full-time student | Not full-time student | | | Median salary for full-time employed ^a (\$) |
|---|--------------------------------|-------------------|----------------------------|--------------------------------|--------------|--|
| | | | Employed in S&E occupation | Employed in non-S&E occupation | Not employed | |
| Asian | 9,700 | 3,700 | 1,600 | 3,200 | 1,200 | 50,000 |
| Underrepresented minority | 7,100 | 1,600 | 1,400 | 3,700 | 300 | 46,000 |
| No disability | 43,600 | 10,100 | 9,200 | 21,300 | 3,000 | 48,000 |
| With disability | 2,100 | 1,000 | 400 | 500 | D | 44,000 |
| Engineering | 86,500 | 20,400 | 52,900 | 9,400 | 3,800 | 65,000 |
| Female | 20,000 | 4,600 | 11,100 | 2,300 | 2,000 | 62,000 |
| Male | 66,500 | 15,800 | 41,800 | 7,100 | 1,800 | 66,000 |
| White | 30,800 | 5,200 | 21,000 | 4,100 | 500 | 68,000 |
| Asian | 47,900 | 13,900 | 27,100 | 4,000 | 2,900 | 63,000 |
| Underrepresented minority | 7,700 | 1,400 | 4,700 | 1,300 | 400 | 68,000 |
| No disability | 84,300 | 19,700 | 52,100 | 9,000 | 3,600 | 65,000 |
| With disability | 2,100 | 800 | 800 | 400 | D | 60,000 |
| Health | 125,700 | 10,800 | 88,900 | 20,400 | 5,700 | 58,000 |
| Female | 98,900 | 8,600 | 70,000 | 15,100 | 5,100 | 55,000 |
| Male | 26,800 | 2,200 | 18,900 | 5,200 | D | 68,000 |
| White | 87,800 | 4,700 | 63,600 | 16,000 | 3,400 | 58,000 |
| Asian | 18,800 | 3,800 | 13,300 | D | D | 60,000 |
| Underrepresented minority | 19,100 | 2,300 | 12,000 | 3,500 | 1,400 | 59,000 |
| No disability | 122,300 | 10,800 | 86,700 | 19,700 | 5,000 | 58,000 |
| With disability | 3,400 | D | 2,100 | D | D | 60,000 |

D = suppressed for data confidentiality reasons.

^aSalary data are for principal jobs only. Full-time employed are those working at least 35 hours per week at their principal jobs. Full-time students are excluded from salary data.

NOTES: Numbers are rounded to nearest 100, and median salaries are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. The underrepresented minority category includes black, Hispanic, American Indian/Alaska Native, and Native Hawaiian/Other Pacific Islander. Total includes multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 2006.

TABLE H-15. Employment status and median salary of 2003, 2004, and 2005 science, engineering, and health doctoral degree recipients, by broad field of doctorate, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All recipients | Employed | | | | Not employed | | Median salary for full-time employed ^a (\$) |
|---|----------------|----------|-----------|-----------|---------------------|--------------|------------------|--|
| | | Total | Full time | Part time | Postdoc appointment | Seeking work | Not seeking work | |
| All S&E and health fields | 51,600 | 49,700 | 30,400 | 2,300 | 17,000 | 700 | 1,200 | 50,000 |
| Female | 21,200 | 19,900 | 11,600 | 1,400 | 6,800 | 400 | 900 | 48,000 |
| Male | 30,400 | 29,800 | 18,800 | 800 | 10,100 | 300 | 300 | 52,000 |
| White | 31,800 | 30,600 | 19,500 | 1,600 | 9,500 | 400 | 800 | 50,000 |
| Asian | 14,900 | 14,400 | 7,900 | 300 | 6,200 | 200 | 300 | 48,000 |
| Black | 2,200 | 2,200 | 1,400 | 200 | 600 | D | D | 54,000 |
| Hispanic | 2,200 | 2,100 | 1,400 | 100 | 600 | D | 100 | 50,000 |
| American Indian/Alaska Native | 300 | 300 | 200 | D | D | D | D | D |
| No disability | 49,300 | 47,400 | 29,000 | 2,200 | 16,200 | 700 | 1,200 | 50,000 |
| With disability | 2,300 | 2,200 | 1,400 | D | 800 | D | D | 48,000 |
| Sciences | 38,100 | 36,700 | 20,900 | 1,900 | 13,900 | 500 | 900 | 48,000 |
| Female | 17,100 | 16,100 | 8,800 | 1,200 | 6,100 | 300 | 700 | 45,000 |
| Male | 21,000 | 20,500 | 12,000 | 700 | 7,800 | 200 | 300 | 49,000 |
| White | 25,200 | 24,200 | 14,500 | 1,500 | 8,200 | 300 | 700 | 48,000 |
| Asian | 9,100 | 8,800 | 4,100 | 100 | 4,500 | 200 | 100 | 43,000 |
| Black | 1,700 | 1,600 | 1,000 | 100 | 500 | D | D | 51,000 |
| Hispanic | 1,800 | 1,700 | 1,000 | 100 | 600 | D | D | 50,000 |
| American Indian/Alaska Native | 200 | 200 | 100 | D | D | D | D | D |
| No disability | 36,300 | 35,000 | 19,900 | 1,800 | 13,200 | 400 | 900 | 48,000 |
| With disability | 1,800 | 1,700 | 1,000 | D | 700 | D | D | 45,000 |
| Biological/life sciences | 13,400 | 12,700 | 5,200 | 200 | 7,300 | 100 | 500 | 40,000 |
| Female | 6,300 | 5,900 | 2,000 | 100 | 3,700 | 100 | 300 | 40,000 |
| Male | 7,100 | 6,800 | 3,200 | D | 3,600 | D | 200 | 41,000 |
| White | 8,300 | 7,900 | 3,700 | 100 | 4,000 | D | 300 | 42,000 |
| Asian | 3,700 | 3,600 | 1,000 | D | 2,600 | D | D | 38,000 |
| Black | 500 | 500 | 200 | D | 300 | D | D | 45,000 |
| Hispanic | 700 | 600 | 200 | D | 400 | D | D | 41,000 |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 12,700 | 12,100 | 4,900 | 200 | 7,000 | 100 | 500 | 40,000 |
| With disability | 600 | 600 | 200 | D | 300 | D | D | 40,000 |
| Computer and information sciences | 1,700 | 1,600 | 1,400 | D | 200 | D | D | 78,000 |
| Female | 400 | 400 | 300 | D | D | D | D | 79,000 |
| Male | 1,300 | 1,300 | 1,100 | D | 100 | D | D | 77,000 |
| White | 900 | 900 | 800 | D | D | D | D | 83,000 |
| Asian | 700 | 700 | 600 | D | D | D | D | 75,000 |
| Black | D | D | D | D | D | D | D | D |
| Hispanic | D | D | D | D | D | D | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 1,600 | 1,500 | 1,300 | D | 100 | D | D | 78,000 |
| With disability | 100 | 100 | D | D | D | D | D | D |
| Mathematical sciences | 2,200 | 2,200 | 1,400 | D | 700 | D | D | 50,000 |
| Female | 600 | 600 | 400 | D | 100 | D | D | 54,000 |
| Male | 1,600 | 1,600 | 1,000 | D | 600 | D | D | 49,000 |
| White | 1,300 | 1,200 | 700 | D | 500 | D | D | 50,000 |
| Asian | 800 | 800 | 500 | D | 200 | D | D | 49,000 |
| Black | 100 | 100 | D | D | D | D | D | D |
| Hispanic | 100 | 100 | 100 | D | D | D | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 2,100 | 2,000 | 1,300 | D | 700 | D | D | 50,000 |
| With disability | 200 | 200 | D | D | D | D | D | D |
| Physical and related sciences | 7,700 | 7,600 | 4,100 | D | 3,400 | 100 | D | 50,000 |
| Female | 2,200 | 2,100 | 1,300 | D | 800 | D | D | 48,000 |
| Male | 5,500 | 5,500 | 2,900 | D | 2,600 | D | D | 50,000 |
| White | 4,700 | 4,700 | 2,700 | D | 2,000 | D | D | 50,000 |

TABLE H-15. Employment status and median salary of 2003, 2004, and 2005 science, engineering, and health doctoral degree recipients, by broad field of doctorate, sex, race/ethnicity, and disability status: 2006

| Field, sex, race/ethnicity, and disability status | All recipients | Employed | | | | Not employed | | Median salary for full-time employed ^a (\$) |
|---|----------------|----------|-----------|-----------|---------------------|--------------|------------------|--|
| | | Total | Full time | Part time | Postdoc appointment | Seeking work | Not seeking work | |
| Asian | 2,500 | 2,400 | 1,100 | D | 1,300 | D | D | 48,000 |
| Black | 200 | 200 | 100 | D | 100 | D | D | D |
| Hispanic | 200 | 200 | 200 | D | 100 | D | D | 50,000 |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 7,400 | 7,300 | 4,000 | D | 3,300 | D | D | 50,000 |
| With disability | 300 | 300 | 100 | D | 200 | D | D | D |
| Psychology | 6,900 | 6,600 | 4,200 | 800 | 1,700 | D | 200 | 50,000 |
| Female | 4,600 | 4,300 | 2,700 | 600 | 1,000 | D | 200 | 50,000 |
| Male | 2,300 | 2,300 | 1,500 | 100 | 700 | D | D | 50,000 |
| White | 5,600 | 5,400 | 3,300 | 700 | 1,400 | D | 200 | 48,000 |
| Asian | 500 | 400 | 300 | D | 200 | D | D | 42,000 |
| Black | 300 | 300 | 200 | D | D | D | D | 53,000 |
| Hispanic | 400 | 400 | 300 | D | 100 | D | D | 52,000 |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 6,700 | 6,400 | 4,100 | 700 | 1,600 | D | 200 | 50,000 |
| With disability | 300 | 300 | 100 | D | D | D | D | D |
| Social sciences | 6,200 | 5,900 | 4,600 | 800 | 600 | D | 100 | 53,000 |
| Female | 2,900 | 2,900 | 2,100 | 400 | 400 | D | D | 50,000 |
| Male | 3,200 | 3,100 | 2,500 | 400 | 200 | D | D | 55,000 |
| White | 4,400 | 4,200 | 3,300 | 600 | 400 | D | D | 53,000 |
| Asian | 900 | 900 | 700 | D | 100 | D | D | 50,000 |
| Black | 500 | 500 | 300 | D | 100 | D | D | 57,000 |
| Hispanic | 300 | 300 | 200 | 100 | D | D | D | 54,000 |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 5,800 | 5,700 | 4,300 | 800 | 600 | D | D | 53,000 |
| With disability | 300 | 300 | 200 | D | D | D | D | D |
| Engineering | 10,300 | 9,800 | 7,200 | D | 2,600 | 200 | 300 | 69,000 |
| Female | 1,900 | 1,700 | 1,200 | D | 500 | D | 200 | 70,000 |
| Male | 8,300 | 8,200 | 6,000 | D | 2,100 | D | D | 68,000 |
| White | 4,400 | 4,200 | 3,200 | D | 1,000 | D | 100 | 70,000 |
| Asian | 5,200 | 5,000 | 3,500 | D | 1,500 | D | D | 66,000 |
| Black | 300 | 300 | 200 | D | 100 | D | D | 67,000 |
| Hispanic | 300 | 300 | 200 | D | D | D | D | 60,000 |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 9,900 | 9,400 | 6,800 | D | 2,500 | 200 | 200 | 69,000 |
| With disability | 400 | 400 | 300 | D | D | D | D | D |
| Health | 3,200 | 3,100 | 2,400 | 300 | 500 | D | D | 60,000 |
| Female | 2,200 | 2,100 | 1,600 | 200 | 300 | D | D | 58,000 |
| Male | 1,000 | 1,000 | 800 | D | 200 | D | D | 60,000 |
| White | 2,200 | 2,100 | 1,800 | 100 | 300 | D | D | 64,000 |
| Asian | 600 | 600 | 300 | D | 200 | D | D | 60,000 |
| Black | 300 | 300 | 200 | D | D | D | D | 58,000 |
| Hispanic | 100 | 100 | 100 | D | D | D | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D | D | D |
| No disability | 3,100 | 3,000 | 2,300 | 200 | 500 | D | D | 59,000 |
| With disability | D | D | D | D | D | D | D | D |

D = suppressed for data confidentiality reasons.

* = estimate less than 50.

^a Salary data for those whose principal job was less than 35 hours per week are not included. Salary data are for principal job only.

NOTES: Numbers are rounded to nearest 100 and median salaries to nearest \$1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-16. Median annual salary of scientists and engineers employed full time, by highest degree, broad occupation, age, and sex: 2006

(Dollars)

| Occupation and age (years) | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|------------------------------------|-------------|--------|--------|------------|--------|--------|------------|--------|--------|------------|--------|---------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| All occupations | 65,000 | 53,000 | 75,000 | 60,000 | 48,000 | 68,000 | 70,000 | 57,000 | 80,000 | 82,000 | 70,000 | 90,000 |
| 29 and younger | 42,000 | 39,000 | 46,000 | 40,000 | 36,000 | 45,000 | 48,000 | 45,000 | 55,000 | 50,000 | 45,000 | 60,000 |
| 30-39 | 64,000 | 53,000 | 72,000 | 60,000 | 50,000 | 67,000 | 65,000 | 53,000 | 78,000 | 66,000 | 60,000 | 71,000 |
| 40-49 | 75,000 | 60,000 | 85,000 | 70,000 | 55,000 | 78,000 | 79,000 | 64,000 | 90,000 | 85,000 | 71,000 | 90,000 |
| 50-75 | 72,000 | 58,000 | 80,000 | 63,000 | 50,000 | 72,000 | 72,000 | 60,000 | 81,000 | 91,000 | 78,000 | 97,000 |
| S&E occupations | 75,000 | 65,000 | 79,000 | 71,000 | 62,000 | 75,000 | 80,000 | 68,000 | 85,000 | 80,000 | 65,000 | 86,000 |
| 29 and younger | 50,000 | 45,000 | 53,000 | 50,000 | 43,000 | 50,000 | 57,000 | 50,000 | 60,000 | 47,000 | 42,000 | 53,000 |
| 30-39 | 72,000 | 65,000 | 75,000 | 70,000 | 65,000 | 72,000 | 76,000 | 65,000 | 80,000 | 65,000 | 57,000 | 72,000 |
| 40-49 | 84,000 | 74,000 | 87,000 | 80,000 | 74,000 | 84,000 | 90,000 | 78,000 | 94,000 | 82,000 | 70,000 | 88,000 |
| 50-75 | 82,000 | 70,000 | 85,000 | 79,000 | 67,000 | 80,000 | 85,000 | 71,000 | 90,000 | 90,000 | 75,000 | 95,000 |
| Scientist | 72,000 | 64,000 | 75,000 | 70,000 | 61,000 | 72,000 | 76,000 | 66,000 | 82,000 | 76,000 | 64,000 | 82,000 |
| 29 and younger | 46,000 | 41,000 | 50,000 | 45,000 | 38,000 | 47,000 | 54,000 | 50,000 | 60,000 | 45,000 | 42,000 | 51,000 |
| 30-39 | 70,000 | 62,000 | 74,000 | 70,000 | 65,000 | 72,000 | 74,000 | 62,000 | 80,000 | 60,000 | 55,000 | 65,000 |
| 40-49 | 80,000 | 73,000 | 85,000 | 79,000 | 73,000 | 82,000 | 88,000 | 75,000 | 93,000 | 80,000 | 69,000 | 84,000 |
| 50-75 | 78,000 | 70,000 | 80,000 | 75,000 | 68,000 | 76,000 | 79,000 | 70,000 | 82,000 | 88,000 | 75,000 | 92,000 |
| Biological/life scientist | 58,000 | 52,000 | 61,000 | 50,000 | 45,000 | 50,000 | 59,000 | 55,000 | 60,000 | 72,000 | 60,000 | 78,000 |
| 29 and younger | 30,000 | 29,000 | 32,000 | 27,000 | 27,000 | 30,000 | 43,000 | 43,000 | 38,000 | 37,000 | 36,000 | 37,000 |
| 30-39 | 52,000 | 53,000 | 52,000 | 53,000 | 60,000 | 50,000 | 52,000 | 52,000 | 52,000 | 52,000 | 48,000 | 55,000 |
| 40-49 | 65,000 | 60,000 | 66,000 | 56,000 | 55,000 | 60,000 | 60,000 | 65,000 | 59,000 | 75,000 | 69,000 | 80,000 |
| 50-75 | 74,000 | 70,000 | 76,000 | 59,000 | 56,000 | 61,000 | 68,000 | 68,000 | 68,000 | 90,000 | 76,000 | 95,000 |
| Computer and information scientist | 78,000 | 71,000 | 80,000 | 75,000 | 69,000 | 75,000 | 85,000 | 75,000 | 90,000 | 95,000 | 85,000 | 98,000 |
| 29 and younger | 55,000 | 55,000 | 55,000 | 52,000 | 52,000 | 52,000 | 65,000 | 60,000 | 67,000 | 80,000 | D | D |
| 30-39 | 77,000 | 70,000 | 80,000 | 74,000 | 67,000 | 75,000 | 84,000 | 75,000 | 87,000 | 92,000 | 79,000 | 94,000 |
| 40-49 | 85,000 | 77,000 | 90,000 | 83,000 | 75,000 | 85,000 | 93,000 | 80,000 | 97,000 | 100,000 | 90,000 | 100,000 |
| 50-75 | 80,000 | 73,000 | 82,000 | 78,000 | 70,000 | 80,000 | 88,000 | 80,000 | 90,000 | 95,000 | 88,000 | 96,000 |
| Mathematical scientist | 69,000 | 56,000 | 74,000 | 55,000 | 50,000 | 58,000 | 70,000 | 52,000 | 75,000 | 75,000 | 67,000 | 76,000 |
| 29 and younger | 45,000 | 48,000 | 44,000 | 42,000 | 42,000 | 40,000 | 50,000 | 57,000 | 44,000 | 62,000 | D | 62,000 |
| 30-39 | 64,000 | 50,000 | 70,000 | 53,000 | D | D | 65,000 | 50,000 | 75,000 | 66,000 | 70,000 | 66,000 |
| 40-49 | 80,000 | 70,000 | 81,000 | 83,000 | D | D | 79,000 | 70,000 | 81,000 | 75,000 | 62,000 | 78,000 |
| 50-75 | 78,000 | 60,000 | 82,000 | 86,000 | D | 95,000 | 73,000 | 55,000 | 75,000 | 80,000 | 68,000 | 85,000 |
| Physical scientist | 61,000 | 50,000 | 65,000 | 55,000 | 48,000 | 56,000 | 67,000 | 59,000 | 72,000 | 82,000 | 64,000 | 85,000 |
| 29 and younger | 36,000 | 40,000 | 33,000 | 34,000 | 38,000 | 31,000 | 42,000 | 50,000 | 35,000 | 45,000 | 45,000 | 50,000 |
| 30-39 | 58,000 | 50,000 | 59,000 | 54,000 | 47,000 | 58,000 | 60,000 | 56,000 | 60,000 | 65,000 | 54,000 | 69,000 |
| 40-49 | 72,000 | 63,000 | 75,000 | 63,000 | 63,000 | 63,000 | 78,000 | 63,000 | 80,000 | 84,000 | 73,000 | 86,000 |
| 50-75 | 74,000 | 58,000 | 80,000 | 62,000 | 50,000 | 65,000 | 74,000 | 62,000 | 75,000 | 95,000 | 80,000 | 97,000 |

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-16. Median annual salary of scientists and engineers employed full time, by highest degree, broad occupation, age, and sex: 2006

(Dollars)

| Occupation and age (years) | All degrees | | | Bachelor's | | | Master's | | | Doctorate | | |
|----------------------------|-------------|--------|--------|------------|--------|--------|------------|--------|---------|------------|--------|---------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| Psychologist | 60,000 | 55,000 | 65,000 | 39,000 | 40,000 | D | 52,000 | 50,000 | 54,000 | 70,000 | 64,000 | 80,000 |
| 29 and younger | 35,000 | 36,000 | 29,000 | 28,000 | D | D | 39,000 | 39,000 | D | 41,000 | 42,000 | D |
| 30-39 | 50,000 | 52,000 | 46,000 | D | D | D | 48,000 | 50,000 | 42,000 | 55,000 | 55,000 | 58,000 |
| 40-49 | 67,000 | 66,000 | 67,000 | D | D | D | 65,000 | 64,000 | D | 70,000 | 69,000 | 70,000 |
| 50-75 | 70,000 | 65,000 | 75,000 | D | D | D | 60,000 | 57,000 | 65,000 | 80,000 | 72,000 | 89,000 |
| Social scientist | 65,000 | 63,000 | 70,000 | 55,000 | 53,000 | 58,000 | 70,000 | 65,000 | 82,000 | 71,000 | 64,000 | 76,000 |
| 29 and younger | 45,000 | 45,000 | 45,000 | 42,000 | 42,000 | 42,000 | 45,000 | 45,000 | 45,000 | 59,000 | D | D |
| 30-39 | 65,000 | 63,000 | 65,000 | 60,000 | 65,000 | 59,000 | 70,000 | 65,000 | 70,000 | 61,000 | 59,000 | 64,000 |
| 40-49 | 75,000 | 70,000 | 82,000 | 65,000 | D | D | 92,000 | 92,000 | 100,000 | 70,000 | 63,000 | 75,000 |
| 50-75 | 75,000 | 69,000 | 81,000 | 69,000 | D | 79,000 | 80,000 | 72,000 | 90,000 | 80,000 | 73,000 | 81,000 |
| Engineer | 80,000 | 69,000 | 80,000 | 75,000 | 65,000 | 76,000 | 88,000 | 75,000 | 89,000 | 95,000 | 85,000 | 98,000 |
| 29 and younger | 56,000 | 55,000 | 56,000 | 55,000 | 54,000 | 55,000 | 61,000 | 57,000 | 62,000 | 63,000 | 61,000 | 63,000 |
| 30-39 | 75,000 | 72,000 | 75,000 | 72,000 | 70,000 | 72,000 | 80,000 | 75,000 | 80,000 | 85,000 | 85,000 | 86,000 |
| 40-49 | 89,000 | 83,000 | 89,000 | 85,000 | 77,000 | 85,000 | 95,000 | 90,000 | 95,000 | 98,000 | 87,000 | 100,000 |
| 50-75 | 90,000 | 73,000 | 90,000 | 85,000 | 65,000 | 86,000 | 95,000 | 89,000 | 95,000 | 105,000 | 90,000 | 106,000 |
| S&E-related occupations | 65,000 | 55,000 | 81,000 | 56,000 | 51,000 | 66,000 | 62,000 | 58,000 | 70,000 | 90,000 | 75,000 | 104,000 |
| 29 and younger | 42,000 | 42,000 | 41,000 | 40,000 | 40,000 | 38,000 | 48,000 | 48,000 | 48,000 | 60,000 | D | D |
| 30-39 | 60,000 | 55,000 | 66,000 | 55,000 | 50,000 | 60,000 | 56,000 | 52,000 | 60,000 | 75,000 | 80,000 | 70,000 |
| 40-49 | 72,000 | 60,000 | 95,000 | 60,000 | 56,000 | 72,000 | 69,000 | 64,000 | 77,000 | 98,000 | 74,000 | 110,000 |
| 50-75 | 73,000 | 60,000 | 90,000 | 62,000 | 55,000 | 73,000 | 66,000 | 62,000 | 76,000 | 95,000 | 76,000 | 107,000 |
| Non-S&E occupations | 59,000 | 46,000 | 70,000 | 50,000 | 40,000 | 60,000 | 65,000 | 53,000 | 80,000 | 87,000 | 75,000 | 94,000 |
| 29 and younger | 36,000 | 35,000 | 40,000 | 35,000 | 32,000 | 38,000 | 41,000 | 40,000 | 45,000 | 52,000 | D | D |
| 30-39 | 59,000 | 48,000 | 70,000 | 52,000 | 43,000 | 60,000 | 60,000 | 50,000 | 81,000 | 67,000 | 65,000 | 70,000 |
| 40-49 | 69,000 | 53,000 | 80,000 | 60,000 | 46,000 | 72,000 | 75,000 | 58,000 | 90,000 | 90,000 | 73,000 | 94,000 |
| 50-75 | 65,000 | 51,000 | 75,000 | 55,000 | 42,000 | 63,000 | 70,000 | 59,000 | 80,000 | 92,000 | 78,000 | 98,000 |

D = suppressed for data confidentiality reasons.

NOTES: Salaries rounded to nearest \$1,000. All degrees includes professional degrees not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2006
(Dollars)

| Sex, occupation, and age in years | All races/ ethnicities | White | Asian | Black | Hispanic | American Indian/ Alaska Native |
|------------------------------------|---------------------------|--------|--------|--------|----------|--------------------------------------|
| Both sexes | | | | | | |
| All occupations | 65,000 | 68,000 | 70,000 | 57,000 | 57,000 | 53,000 |
| 29 and younger | 42,000 | 41,000 | 50,000 | 36,000 | 40,000 | 41,000 |
| 30-39 | 64,000 | 64,000 | 73,000 | 56,000 | 60,000 | 52,000 |
| 40-49 | 75,000 | 78,000 | 80,000 | 63,000 | 60,000 | 63,000 |
| 50-75 | 72,000 | 75,000 | 72,000 | 60,000 | 65,000 | 60,000 |
| S&E occupations | 75,000 | 75,000 | 75,000 | 68,000 | 65,000 | 60,000 |
| 29 and younger | 50,000 | 50,000 | 55,000 | 49,000 | 45,000 | 53,000 |
| 30-39 | 72,000 | 72,000 | 76,000 | 67,000 | 67,000 | 68,000 |
| 40-49 | 84,000 | 85,000 | 87,000 | 72,000 | 72,000 | 60,000 |
| 50-75 | 82,000 | 83,000 | 84,000 | 75,000 | 80,000 | 60,000 |
| Scientist | 72,000 | 73,000 | 75,000 | 67,000 | 60,000 | 60,000 |
| 29 and younger | 46,000 | 44,000 | 55,000 | 45,000 | 43,000 | D |
| 30-39 | 70,000 | 70,000 | 76,000 | 66,000 | 63,000 | 68,000 |
| 40-49 | 80,000 | 82,000 | 85,000 | 71,000 | 68,000 | 51,000 |
| 50-75 | 78,000 | 79,000 | 80,000 | 73,000 | 75,000 | 60,000 |
| Biological/life scientist | 58,000 | 59,000 | 56,000 | 60,000 | 56,000 | 44,000 |
| 29 and younger | 30,000 | 30,000 | 32,000 | 29,000 | 28,000 | D |
| 30-39 | 52,000 | 52,000 | 54,000 | 65,000 | 52,000 | D |
| 40-49 | 65,000 | 65,000 | 65,000 | 60,000 | 68,000 | D |
| 50-75 | 74,000 | 75,000 | 73,000 | 73,000 | 85,000 | 65,000 |
| Computer and information scientist | 78,000 | 80,000 | 80,000 | 70,000 | 67,000 | 68,000 |
| 29 and younger | 55,000 | 54,000 | 60,000 | 55,000 | 45,000 | D |
| 30-39 | 77,000 | 77,000 | 80,000 | 67,000 | 70,000 | D |
| 40-49 | 85,000 | 86,000 | 90,000 | 74,000 | 72,000 | D |
| 50-75 | 80,000 | 80,000 | 85,000 | 75,000 | 75,000 | D |
| Mathematical scientist | 69,000 | 70,000 | 68,000 | 50,000 | 53,000 | D |
| 29 and younger | 45,000 | 45,000 | 48,000 | 35,000 | 40,000 | D |
| 30-39 | 64,000 | 65,000 | 60,000 | 79,000 | 80,000 | D |
| 40-49 | 80,000 | 81,000 | 80,000 | 43,000 | 61,000 | D |
| 50-75 | 78,000 | 79,000 | 69,000 | 72,000 | 80,000 | D |
| Physical scientist | 61,000 | 63,000 | 60,000 | 59,000 | 52,000 | 64,000 |
| 29 and younger | 36,000 | 35,000 | 42,000 | 36,000 | 38,000 | D |
| 30-39 | 58,000 | 58,000 | 49,000 | 63,000 | 48,000 | D |
| 40-49 | 72,000 | 73,000 | 75,000 | 70,000 | 60,000 | D |
| 50-75 | 74,000 | 76,000 | 74,000 | 63,000 | 65,000 | D |
| Psychologist | 60,000 | 60,000 | 47,000 | 65,000 | 52,000 | 72,000 |
| 29 and younger | 35,000 | 36,000 | D | D | 15,000 | D |
| 30-39 | 50,000 | 50,000 | 47,000 | 53,000 | 53,000 | D |
| 40-49 | 67,000 | 67,000 | 69,000 | 67,000 | 59,000 | D |
| 50-75 | 70,000 | 70,000 | 80,000 | 79,000 | 65,000 | D |
| Social scientist | 65,000 | 69,000 | 70,000 | 63,000 | 59,000 | 60,000 |
| 29 and younger | 45,000 | 43,000 | 55,000 | 49,000 | 40,000 | D |
| 30-39 | 65,000 | 63,000 | 80,000 | 58,000 | 70,000 | D |
| 40-49 | 75,000 | 85,000 | 90,000 | 64,000 | 60,000 | D |
| 50-75 | 75,000 | 80,000 | 70,000 | 70,000 | 89,000 | D |
| Engineer | 80,000 | 80,000 | 78,000 | 72,000 | 70,000 | 69,000 |
| 29 and younger | 56,000 | 55,000 | 59,000 | 56,000 | 54,000 | D |
| 30-39 | 75,000 | 75,000 | 76,000 | 72,000 | 72,000 | D |
| 40-49 | 89,000 | 90,000 | 90,000 | 77,000 | 76,000 | D |
| 50-75 | 90,000 | 91,000 | 90,000 | 81,000 | 81,000 | D |
| S&E-related occupations | 65,000 | 65,000 | 70,000 | 60,000 | 59,000 | 50,000 |

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2006
(Dollars)

| Sex, occupation, and age in years | All races/ ethnicities | White | Asian | Black | Hispanic | American |
|------------------------------------|---------------------------|--------|--------|--------|----------|--------------------------|
| | | | | | | Indian/ Alaska Native |
| 29 and younger | 42,000 | 42,000 | 45,000 | 39,000 | 40,000 | 41,000 |
| 30-39 | 60,000 | 59,000 | 70,000 | 59,000 | 56,000 | D |
| 40-49 | 72,000 | 72,000 | 80,000 | 65,000 | 64,000 | 70,000 |
| 50-75 | 73,000 | 75,000 | 79,000 | 60,000 | 70,000 | 50,000 |
| Non-S&E occupations | 59,000 | 60,000 | 51,000 | 50,000 | 50,000 | 50,000 |
| 29 and younger | 36,000 | 36,000 | 40,000 | 33,000 | 38,000 | 37,000 |
| 30-39 | 59,000 | 60,000 | 60,000 | 46,000 | 54,000 | 44,000 |
| 40-49 | 69,000 | 73,000 | 61,000 | 56,000 | 54,000 | 45,000 |
| 50-75 | 65,000 | 68,000 | 50,000 | 57,000 | 60,000 | 60,000 |
| Female | | | | | | |
| All occupations | 53,000 | 53,000 | 60,000 | 52,000 | 48,000 | 47,000 |
| 29 and younger | 39,000 | 38,000 | 42,000 | 35,000 | 38,000 | 41,000 |
| 30-39 | 53,000 | 52,000 | 65,000 | 50,000 | 51,000 | 43,000 |
| 40-49 | 60,000 | 60,000 | 68,000 | 58,000 | 52,000 | 47,000 |
| 50-75 | 58,000 | 58,000 | 60,000 | 55,000 | 52,000 | 50,000 |
| S&E occupations | 65,000 | 65,000 | 68,000 | 63,000 | 55,000 | 60,000 |
| 29 and younger | 45,000 | 43,000 | 52,000 | 49,000 | 45,000 | D |
| 30-39 | 65,000 | 64,000 | 70,000 | 60,000 | 54,000 | 68,000 |
| 40-49 | 74,000 | 75,000 | 75,000 | 70,000 | 62,000 | 60,000 |
| 50-75 | 70,000 | 70,000 | 78,000 | 73,000 | 65,000 | 59,000 |
| Scientist | 64,000 | 64,000 | 67,000 | 63,000 | 55,000 | 60,000 |
| 29 and younger | 41,000 | 39,000 | 50,000 | 47,000 | 40,000 | D |
| 30-39 | 62,000 | 62,000 | 68,000 | 58,000 | 52,000 | 68,000 |
| 40-49 | 73,000 | 75,000 | 75,000 | 66,000 | 60,000 | 60,000 |
| 50-75 | 70,000 | 69,000 | 76,000 | 75,000 | 67,000 | 59,000 |
| Biological/life scientist | 52,000 | 50,000 | 51,000 | 55,000 | 55,000 | 60,000 |
| 29 and younger | 29,000 | 29,000 | 27,000 | 26,000 | 24,000 | D |
| 30-39 | 53,000 | 53,000 | 48,000 | 67,000 | 55,000 | D |
| 40-49 | 60,000 | 63,000 | 60,000 | 65,000 | 59,000 | D |
| 50-75 | 70,000 | 70,000 | 64,000 | 73,000 | 70,000 | D |
| Computer and information scientist | 71,000 | 72,000 | 72,000 | 64,000 | 55,000 | D |
| 29 and younger | 55,000 | 54,000 | 58,000 | 55,000 | 45,000 | D |
| 30-39 | 70,000 | 70,000 | 72,000 | 59,000 | 39,000 | D |
| 40-49 | 77,000 | 76,000 | 80,000 | 72,000 | 64,000 | D |
| 50-75 | 73,000 | 72,000 | 83,000 | 82,000 | 75,000 | D |
| Mathematical scientist | 56,000 | 56,000 | 66,000 | 43,000 | 45,000 | D |
| 29 and younger | 48,000 | 50,000 | D | D | D | D |
| 30-39 | 50,000 | 49,000 | 58,000 | D | D | D |
| 40-49 | 70,000 | 79,000 | 70,000 | D | D | D |
| 50-75 | 60,000 | 63,000 | D | D | D | D |
| Physical scientist | 50,000 | 52,000 | 50,000 | 65,000 | 50,000 | D |
| 29 and younger | 40,000 | 39,000 | 45,000 | 35,000 | 42,000 | D |
| 30-39 | 50,000 | 50,000 | 45,000 | 65,000 | 48,000 | D |
| 40-49 | 63,000 | 64,000 | 75,000 | 55,000 | 60,000 | D |
| 50-75 | 58,000 | 50,000 | 70,000 | D | D | D |
| Psychologist | 55,000 | 55,000 | 45,000 | 64,000 | 55,000 | 61,000 |
| 29 and younger | 36,000 | 36,000 | D | D | D | D |
| 30-39 | 52,000 | 50,000 | 58,000 | 53,000 | 56,000 | D |
| 40-49 | 66,000 | 66,000 | D | D | 59,000 | D |
| 50-75 | 65,000 | 62,000 | D | 75,000 | 65,000 | D |
| Social scientist | 63,000 | 65,000 | 62,000 | 63,000 | 50,000 | D |
| 29 and younger | 45,000 | 45,000 | D | D | D | D |

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2006
(Dollars)

| Sex, occupation, and age in years | All races/ ethnicities | | | | | American Indian/ Alaska Native |
|------------------------------------|---------------------------|--------|--------|----------|--------|--------------------------------------|
| | White | Asian | Black | Hispanic | | |
| 30-39 | 63,000 | 65,000 | 70,000 | 53,000 | 60,000 | D |
| 40-49 | 70,000 | 88,000 | 54,000 | 64,000 | 60,000 | D |
| 50-75 | 69,000 | 70,000 | 73,000 | 77,000 | 50,000 | D |
| Engineer | 69,000 | 70,000 | 69,000 | 63,000 | 62,000 | D |
| 29 and younger | 55,000 | 55,000 | 55,000 | 52,000 | 52,000 | D |
| 30-39 | 72,000 | 72,000 | 81,000 | 63,000 | 73,000 | D |
| 40-49 | 83,000 | 90,000 | 73,000 | 80,000 | 70,000 | D |
| 50-75 | 73,000 | 75,000 | 85,000 | D | D | D |
| S&E-related occupations | 55,000 | 55,000 | 64,000 | 57,000 | 51,000 | 50,000 |
| 29 and younger | 42,000 | 42,000 | 45,000 | 40,000 | 40,000 | D |
| 30-39 | 55,000 | 53,000 | 67,000 | 57,000 | 52,000 | D |
| 40-49 | 60,000 | 60,000 | 70,000 | 60,000 | 52,000 | D |
| 50-75 | 60,000 | 60,000 | 62,000 | 58,000 | 63,000 | D |
| Non-S&E occupations | 46,000 | 47,000 | 46,000 | 45,000 | 44,000 | 39,000 |
| 29 and younger | 35,000 | 34,000 | 36,000 | 32,000 | 37,000 | 34,000 |
| 30-39 | 48,000 | 48,000 | 50,000 | 40,000 | 50,000 | 37,000 |
| 40-49 | 53,000 | 55,000 | 52,000 | 52,000 | 40,000 | D |
| 50-75 | 51,000 | 52,000 | 45,000 | 52,000 | 47,000 | 40,000 |
| Male | | | | | | |
| All occupations | 75,000 | 78,000 | 75,000 | 65,000 | 65,000 | 66,000 |
| 29 and younger | 46,000 | 45,000 | 55,000 | 40,000 | 42,000 | 40,000 |
| 30-39 | 72,000 | 71,000 | 79,000 | 65,000 | 65,000 | 60,000 |
| 40-49 | 85,000 | 88,000 | 90,000 | 70,000 | 72,000 | 70,000 |
| 50-75 | 80,000 | 84,000 | 78,000 | 68,000 | 75,000 | 64,000 |
| S&E occupations | 79,000 | 80,000 | 80,000 | 70,000 | 70,000 | 61,000 |
| 29 and younger | 53,000 | 51,000 | 58,000 | 50,000 | 50,000 | D |
| 30-39 | 75,000 | 75,000 | 80,000 | 70,000 | 70,000 | 68,000 |
| 40-49 | 87,000 | 87,000 | 90,000 | 74,000 | 75,000 | 58,000 |
| 50-75 | 85,000 | 86,000 | 85,000 | 75,000 | 82,000 | 60,000 |
| Scientist | 75,000 | 77,000 | 80,000 | 70,000 | 67,000 | 60,000 |
| 29 and younger | 50,000 | 47,000 | 56,000 | 45,000 | 45,000 | D |
| 30-39 | 74,000 | 72,000 | 80,000 | 67,000 | 70,000 | 68,000 |
| 40-49 | 85,000 | 85,000 | 90,000 | 73,000 | 72,000 | 44,000 |
| 50-75 | 80,000 | 80,000 | 80,000 | 72,000 | 80,000 | 60,000 |
| Biological/life scientist | 61,000 | 62,000 | 64,000 | 60,000 | 60,000 | 44,000 |
| 29 and younger | 32,000 | 32,000 | 32,000 | D | 55,000 | D |
| 30-39 | 52,000 | 51,000 | 59,000 | 56,000 | 50,000 | D |
| 40-49 | 66,000 | 67,000 | 70,000 | 60,000 | 75,000 | D |
| 50-75 | 76,000 | 76,000 | 74,000 | 67,000 | 86,000 | D |
| Computer and information scientist | 80,000 | 80,000 | 80,000 | 72,000 | 72,000 | D |
| 29 and younger | 55,000 | 54,000 | 60,000 | 50,000 | 46,000 | D |
| 30-39 | 80,000 | 79,000 | 85,000 | 70,000 | 78,000 | D |
| 40-49 | 90,000 | 90,000 | 94,000 | 75,000 | 84,000 | D |
| 50-75 | 82,000 | 83,000 | 87,000 | 74,000 | 76,000 | D |
| Mathematical scientist | 74,000 | 75,000 | 72,000 | 60,000 | 56,000 | D |
| 29 and younger | 44,000 | 44,000 | 45,000 | D | D | D |
| 30-39 | 70,000 | 70,000 | 61,000 | D | D | D |
| 40-49 | 81,000 | 81,000 | 80,000 | D | D | D |
| 50-75 | 82,000 | 82,000 | 66,000 | 90,000 | D | D |
| Physical scientist | 65,000 | 67,000 | 65,000 | 51,000 | 60,000 | 65,000 |
| 29 and younger | 33,000 | 31,000 | 42,000 | D | 30,000 | D |
| 30-39 | 59,000 | 59,000 | 60,000 | 44,000 | 50,000 | D |

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2006
(Dollars)

| Sex, occupation, and age in years | All races/ ethnicities | | | | | American Indian/ Alaska Native |
|-----------------------------------|---------------------------|--------|---------|----------|--------|--------------------------------------|
| | White | Asian | Black | Hispanic | | |
| 40-49 | 75,000 | 77,000 | 75,000 | 70,000 | 60,000 | D |
| 50-75 | 80,000 | 82,000 | 75,000 | 59,000 | 65,000 | D |
| Psychologist | 65,000 | 65,000 | 62,000 | 65,000 | 43,000 | D |
| 29 and younger | 29,000 | D | D | D | D | D |
| 30-39 | 46,000 | 46,000 | D | D | 45,000 | D |
| 40-49 | 67,000 | 70,000 | D | D | D | D |
| 50-75 | 75,000 | 75,000 | D | D | 73,000 | D |
| Social scientist | 70,000 | 72,000 | 80,000 | 63,000 | 70,000 | D |
| 29 and younger | 45,000 | 42,000 | D | D | D | D |
| 30-39 | 65,000 | 62,000 | 110,000 | 65,000 | 70,000 | D |
| 40-49 | 82,000 | 85,000 | 95,000 | 65,000 | 53,000 | D |
| 50-75 | 81,000 | 85,000 | 62,000 | 70,000 | 96,000 | D |
| Engineer | 80,000 | 82,000 | 80,000 | 75,000 | 72,000 | 69,000 |
| 29 and younger | 56,000 | 56,000 | 60,000 | 58,000 | 55,000 | D |
| 30-39 | 75,000 | 75,000 | 76,000 | 75,000 | 72,000 | D |
| 40-49 | 89,000 | 90,000 | 93,000 | 77,000 | 79,000 | D |
| 50-75 | 90,000 | 92,000 | 90,000 | 83,000 | 84,000 | D |
| S&E-related occupations | 81,000 | 84,000 | 83,000 | 75,000 | 70,000 | 70,000 |
| 29 and younger | 41,000 | 42,000 | 45,000 | 36,000 | 41,000 | D |
| 30-39 | 66,000 | 66,000 | 77,000 | 80,000 | 60,000 | D |
| 40-49 | 95,000 | 98,000 | 100,000 | 89,000 | 80,000 | D |
| 50-75 | 90,000 | 93,000 | 93,000 | 68,000 | 82,000 | D |
| Non-S&E occupations | 70,000 | 72,000 | 60,000 | 60,000 | 60,000 | 70,000 |
| 29 and younger | 40,000 | 40,000 | 46,000 | 35,000 | 39,000 | D |
| 30-39 | 70,000 | 70,000 | 70,000 | 60,000 | 61,000 | D |
| 40-49 | 80,000 | 85,000 | 75,000 | 63,000 | 65,000 | D |
| 50-75 | 75,000 | 75,000 | 54,000 | 65,000 | 65,000 | 100,000 |

D = suppressed for data confidentiality reasons.

NOTES: Salaries rounded to nearest \$1,000. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-18. Median annual salary of scientists and engineers employed full time, by broad occupation, age, and disability status: 2006

(Dollars)

| Occupation and age (years) | Total | No disability | With disability |
|------------------------------------|--------|---------------|-----------------|
| All occupations | 65,000 | 66,000 | 60,000 |
| 29 and younger | 42,000 | 42,000 | 38,000 |
| 30-39 | 64,000 | 65,000 | 55,000 |
| 40-49 | 75,000 | 76,000 | 63,000 |
| 50-75 | 72,000 | 74,000 | 62,000 |
| S&E occupations | 75,000 | 75,000 | 72,000 |
| 29 and younger | 50,000 | 50,000 | 48,000 |
| 30-39 | 72,000 | 72,000 | 70,000 |
| 40-49 | 84,000 | 85,000 | 74,000 |
| 50-75 | 82,000 | 83,000 | 75,000 |
| Scientist | 72,000 | 72,000 | 70,000 |
| 29 and younger | 46,000 | 46,000 | 44,000 |
| 30-39 | 70,000 | 70,000 | 66,000 |
| 40-49 | 80,000 | 82,000 | 70,000 |
| 50-75 | 78,000 | 80,000 | 73,000 |
| Biological/life scientist | 58,000 | 58,000 | 59,000 |
| 29 and younger | 30,000 | 30,000 | D |
| 30-39 | 52,000 | 52,000 | 50,000 |
| 40-49 | 65,000 | 65,000 | 59,000 |
| 50-75 | 74,000 | 75,000 | 68,000 |
| Computer and information scientist | 78,000 | 78,000 | 75,000 |
| 29 and younger | 55,000 | 55,000 | 46,000 |
| 30-39 | 77,000 | 77,000 | 70,000 |
| 40-49 | 85,000 | 87,000 | 76,000 |
| 50-75 | 80,000 | 80,000 | 76,000 |
| Mathematical scientist | 69,000 | 69,000 | 63,000 |
| 29 and younger | 45,000 | 45,000 | D |
| 30-39 | 64,000 | 63,000 | D |
| 40-49 | 80,000 | 80,000 | 65,000 |
| 50-75 | 78,000 | 79,000 | 62,000 |
| Physical scientist | 61,000 | 60,000 | 68,000 |
| 29 and younger | 36,000 | 36,000 | D |
| 30-39 | 58,000 | 58,000 | 40,000 |
| 40-49 | 72,000 | 73,000 | 65,000 |
| 50-75 | 74,000 | 74,000 | 76,000 |
| Psychologist | 60,000 | 60,000 | 54,000 |
| 29 and younger | 35,000 | 35,000 | D |
| 30-39 | 50,000 | 50,000 | D |
| 40-49 | 67,000 | 68,000 | 50,000 |
| 50-75 | 70,000 | 70,000 | 60,000 |
| Social scientist | 65,000 | 65,000 | 65,000 |
| 29 and younger | 45,000 | 45,000 | D |
| 30-39 | 65,000 | 65,000 | 65,000 |
| 40-49 | 75,000 | 78,000 | 45,000 |
| 50-75 | 75,000 | 78,000 | 72,000 |
| Engineer | 80,000 | 80,000 | 77,000 |
| 29 and younger | 56,000 | 56,000 | 53,000 |
| 30-39 | 75,000 | 75,000 | 72,000 |
| 40-49 | 89,000 | 90,000 | 79,000 |
| 50-75 | 90,000 | 91,000 | 80,000 |
| S&E-related occupations | 65,000 | 65,000 | 60,000 |
| 29 and younger | 42,000 | 42,000 | 38,000 |
| 30-39 | 60,000 | 60,000 | 50,000 |

TABLE H-18. Median annual salary of scientists and engineers employed full time, by broad occupation, age, and disability status: 2006

(Dollars)

| Occupation and age (years) | Total | No disability | With disability |
|----------------------------|--------|---------------|-----------------|
| 40-49 | 72,000 | 72,000 | 60,000 |
| 50-75 | 73,000 | 75,000 | 62,000 |
| Non-S&E occupations | 59,000 | 60,000 | 52,000 |
| 29 and younger | 36,000 | 36,000 | 34,000 |
| 30-39 | 59,000 | 60,000 | 48,000 |
| 40-49 | 69,000 | 70,000 | 55,000 |
| 50-75 | 65,000 | 65,000 | 55,000 |

D = suppressed for data confidentiality reasons.

NOTES: Salaries rounded to nearest \$1,000. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2006

| Sector and occupation | Race/ethnicity | | | | | | | | | | |
|------------------------------------|----------------|-----------|------------|----------------|-----------|-----------|-----------|--------------------------|------------------|--------------------|--|
| | Total | Sex | | Race/ethnicity | | | | | American | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | Indian/ Alaska Native | No disability | With disability | |
| All sectors | 18,927,000 | 8,244,000 | 10,683,000 | 14,472,000 | 1,934,000 | 1,075,000 | 1,027,000 | 84,000 | 17,692,000 | 1,235,000 | |
| S&E occupations | 5,024,000 | 1,310,000 | 3,714,000 | 3,677,000 | 810,000 | 197,000 | 230,000 | 21,000 | 4,718,000 | 306,000 | |
| Scientist | 3,403,000 | 1,122,000 | 2,281,000 | 2,464,000 | 575,000 | 146,000 | 141,000 | 17,000 | 3,198,000 | 205,000 | |
| Biological/life scientist | 487,000 | 213,000 | 274,000 | 363,000 | 77,000 | 13,000 | 21,000 | 4,000 | 459,000 | 28,000 | |
| Computer and information scientist | 1,963,000 | 502,000 | 1,461,000 | 1,339,000 | 410,000 | 95,000 | 77,000 | 4,000 | 1,845,000 | 119,000 | |
| Mathematical scientist | 149,000 | 58,000 | 91,000 | 114,000 | 20,000 | 8,000 | 5,000 | D | 141,000 | 8,000 | |
| Physical scientist | 334,000 | 95,000 | 239,000 | 262,000 | 43,000 | 8,000 | 14,000 | 2,000 | 316,000 | 18,000 | |
| Psychologist | 211,000 | 137,000 | 74,000 | 181,000 | 6,000 | 9,000 | 12,000 | 1,000 | 195,000 | 16,000 | |
| Social scientist | 259,000 | 118,000 | 141,000 | 204,000 | 19,000 | 12,000 | 13,000 | 5,000 | 243,000 | 16,000 | |
| Engineer | 1,621,000 | 187,000 | 1,433,000 | 1,213,000 | 235,000 | 52,000 | 88,000 | 4,000 | 1,520,000 | 101,000 | |
| S&E-related occupations | 5,246,000 | 2,986,000 | 2,260,000 | 4,042,000 | 508,000 | 303,000 | 272,000 | 26,000 | 4,941,000 | 305,000 | |
| Non-S&E occupations | 8,657,000 | 3,948,000 | 4,709,000 | 6,752,000 | 616,000 | 575,000 | 525,000 | 38,000 | 8,032,000 | 625,000 | |
| Business or industry | 9,978,000 | 3,396,000 | 6,582,000 | 7,571,000 | 1,256,000 | 439,000 | 505,000 | 31,000 | 9,397,000 | 581,000 | |
| S&E occupations | 3,178,000 | 652,000 | 2,526,000 | 2,278,000 | 585,000 | 113,000 | 136,000 | 10,000 | 3,004,000 | 174,000 | |
| Scientist | 1,925,000 | 517,000 | 1,408,000 | 1,332,000 | 404,000 | 75,000 | 71,000 | 7,000 | 1,824,000 | 100,000 | |
| Biological/life scientist | 143,000 | 65,000 | 77,000 | 106,000 | 23,000 | 3,000 | 7,000 | D | 137,000 | 6,000 | |
| Computer and information scientist | 1,485,000 | 351,000 | 1,134,000 | 993,000 | 345,000 | 63,000 | 51,000 | 4,000 | 1,404,000 | 81,000 | |
| Mathematical scientist | 43,000 | 12,000 | 32,000 | 35,000 | 5,000 | 1,000 | 1,000 | D | 43,000 | 1,000 | |
| Physical scientist | 165,000 | 49,000 | 116,000 | 126,000 | 24,000 | 4,000 | 8,000 | 1,000 | 156,000 | 8,000 | |
| Psychologist | 26,000 | 15,000 | 11,000 | 23,000 | * | 1,000 | 2,000 | D | 24,000 | 2,000 | |
| Social scientist | 63,000 | 25,000 | 38,000 | 49,000 | 6,000 | 2,000 | 2,000 | D | 61,000 | 2,000 | |
| Engineer | 1,254,000 | 135,000 | 1,119,000 | 946,000 | 181,000 | 39,000 | 65,000 | 3,000 | 1,180,000 | 74,000 | |
| S&E-related occupations | 2,246,000 | 1,083,000 | 1,162,000 | 1,701,000 | 265,000 | 109,000 | 124,000 | 8,000 | 2,125,000 | 121,000 | |
| Non-S&E occupations | 4,554,000 | 1,661,000 | 2,893,000 | 3,592,000 | 407,000 | 216,000 | 245,000 | 13,000 | 4,268,000 | 286,000 | |
| Federal government | 824,000 | 280,000 | 544,000 | 612,000 | 68,000 | 77,000 | 42,000 | 6,000 | 770,000 | 53,000 | |
| S&E occupations | 300,000 | 78,000 | 222,000 | 230,000 | 28,000 | 20,000 | 14,000 | 2,000 | 281,000 | 20,000 | |
| Scientist | 194,000 | 64,000 | 130,000 | 148,000 | 17,000 | 15,000 | 9,000 | 1,000 | 181,000 | 13,000 | |
| Biological/life scientist | 56,000 | 19,000 | 37,000 | 44,000 | 5,000 | 3,000 | 2,000 | 1,000 | 54,000 | 3,000 | |
| Computer and information scientist | 68,000 | 20,000 | 48,000 | 46,000 | 9,000 | 9,000 | 4,000 | D | 62,000 | 7,000 | |
| Mathematical scientist | 13,000 | 5,000 | 8,000 | 9,000 | 1,000 | 1,000 | 1,000 | D | 12,000 | 1,000 | |
| Physical scientist | 24,000 | 5,000 | 19,000 | 20,000 | 1,000 | 1,000 | 1,000 | D | 23,000 | 1,000 | |
| Psychologist | 7,000 | 5,000 | 2,000 | 6,000 | D | * | * | D | 6,000 | 1,000 | |
| Social scientist | 26,000 | 9,000 | 16,000 | 22,000 | 1,000 | 2,000 | 2,000 | D | 25,000 | 1,000 | |
| Engineer | 106,000 | 14,000 | 92,000 | 82,000 | 12,000 | 4,000 | 5,000 | D | 100,000 | 7,000 | |
| S&E-related occupations | 178,000 | 91,000 | 87,000 | 130,000 | 15,000 | 15,000 | 11,000 | 2,000 | 170,000 | 8,000 | |
| Non-S&E occupations | 345,000 | 111,000 | 234,000 | 252,000 | 25,000 | 42,000 | 17,000 | 2,000 | 320,000 | 26,000 | |
| Nonprofit | 1,830,000 | 1,253,000 | 578,000 | 1,442,000 | 138,000 | 116,000 | 92,000 | 9,000 | 1,716,000 | 114,000 | |
| S&E occupations | 192,000 | 83,000 | 110,000 | 142,000 | 25,000 | 10,000 | 10,000 | 1,000 | 180,000 | 12,000 | |
| Scientist | 169,000 | 80,000 | 90,000 | 124,000 | 23,000 | 10,000 | 9,000 | 1,000 | 158,000 | 11,000 | |
| Biological/life scientist | 30,000 | 15,000 | 15,000 | 23,000 | 4,000 | 1,000 | 1,000 | D | 28,000 | 2,000 | |
| Computer and information scientist | 85,000 | 31,000 | 54,000 | 58,000 | 13,000 | 7,000 | 5,000 | D | 81,000 | 4,000 | |

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2006

| Sector and occupation | Total | Sex | | Race/ethnicity | | | | | Disability status | |
|------------------------------------|-----------|---------|---------|----------------|---------|---------|----------|--------------------------|-------------------|-----------------|
| | | Female | Male | White | Asian | Black | Hispanic | American | No disability | With disability |
| | | | | | | | | Indian/ Alaska Native | | |
| Mathematical scientist | 7,000 | 5,000 | 1,000 | 5,000 | 2,000 | D | D | D | 7,000 | D |
| Physical scientist | 7,000 | 2,000 | 5,000 | 5,000 | 1,000 | * | * | D | 6,000 | 1,000 |
| Psychologist | 18,000 | 13,000 | 5,000 | 15,000 | 1,000 | 1,000 | 2,000 | * | 15,000 | 3,000 |
| Social scientist | 22,000 | 13,000 | 8,000 | 18,000 | 2,000 | 1,000 | 1,000 | D | 21,000 | 1,000 |
| Engineer | 23,000 | 3,000 | 20,000 | 18,000 | 2,000 | 1,000 | 2,000 | D | 22,000 | 1,000 |
| S&E-related occupations | 910,000 | 696,000 | 214,000 | 732,000 | 72,000 | 49,000 | 34,000 | 3,000 | 857,000 | 53,000 |
| Non-S&E occupations | 728,000 | 474,000 | 253,000 | 567,000 | 41,000 | 57,000 | 48,000 | 5,000 | 679,000 | 49,000 |
| Self-employed | 1,329,000 | 525,000 | 804,000 | 1,105,000 | 92,000 | 31,000 | 77,000 | 10,000 | 1,207,000 | 122,000 |
| S&E occupations | 183,000 | 58,000 | 125,000 | 154,000 | 12,000 | 3,000 | 10,000 | 1,000 | 169,000 | 15,000 |
| Scientist | 143,000 | 55,000 | 88,000 | 121,000 | 9,000 | 2,000 | 7,000 | 1,000 | 131,000 | 11,000 |
| Biological/life scientist | 9,000 | 4,000 | 5,000 | 8,000 | D | D | 1,000 | D | 7,000 | 2,000 |
| Computer and information scientist | 63,000 | 12,000 | 51,000 | 53,000 | 5,000 | 1,000 | 3,000 | D | 58,000 | 5,000 |
| Mathematical scientist | 3,000 | 1,000 | 2,000 | 1,000 | 1,000 | D | D | D | 3,000 | D |
| Physical scientist | 11,000 | 1,000 | 9,000 | 9,000 | 1,000 | D | D | D | 10,000 | D |
| Psychologist | 43,000 | 29,000 | 14,000 | 40,000 | * | 1,000 | 1,000 | * | 40,000 | 3,000 |
| Social scientist | 13,000 | 7,000 | 7,000 | 10,000 | D | * | 2,000 | D | 13,000 | 1,000 |
| Engineer | 41,000 | 4,000 | 37,000 | 33,000 | 3,000 | * | 4,000 | D | 37,000 | 3,000 |
| S&E-related occupations | 359,000 | 140,000 | 218,000 | 285,000 | 37,000 | 9,000 | 22,000 | 4,000 | 338,000 | 21,000 |
| Non-S&E occupations | 787,000 | 326,000 | 461,000 | 666,000 | 43,000 | 20,000 | 44,000 | 5,000 | 700,000 | 86,000 |
| State/local government | 1,405,000 | 658,000 | 746,000 | 1,004,000 | 101,000 | 156,000 | 97,000 | 9,000 | 1,280,000 | 125,000 |
| S&E occupations | 336,000 | 104,000 | 232,000 | 251,000 | 38,000 | 17,000 | 22,000 | 3,000 | 304,000 | 33,000 |
| Scientist | 230,000 | 87,000 | 143,000 | 178,000 | 22,000 | 12,000 | 12,000 | 2,000 | 207,000 | 23,000 |
| Biological/life scientist | 45,000 | 14,000 | 31,000 | 38,000 | 3,000 | D | 2,000 | 2,000 | 42,000 | 3,000 |
| Computer and information scientist | 99,000 | 36,000 | 63,000 | 69,000 | 15,000 | 7,000 | 6,000 | D | 89,000 | 10,000 |
| Mathematical scientist | 7,000 | 3,000 | 3,000 | 5,000 | 1,000 | D | D | D | 4,000 | 3,000 |
| Physical scientist | 36,000 | 10,000 | 26,000 | 30,000 | 2,000 | 1,000 | 2,000 | D | 34,000 | 2,000 |
| Psychologist | 13,000 | 8,000 | 5,000 | 10,000 | * | 2,000 | * | D | 11,000 | 2,000 |
| Social scientist | 31,000 | 15,000 | 15,000 | 26,000 | 1,000 | 1,000 | 2,000 | D | 28,000 | 3,000 |
| Engineer | 107,000 | 17,000 | 89,000 | 73,000 | 16,000 | 5,000 | 10,000 | 1,000 | 97,000 | 10,000 |
| S&E-related occupations | 286,000 | 174,000 | 112,000 | 191,000 | 28,000 | 33,000 | 20,000 | 2,000 | 268,000 | 18,000 |
| Non-S&E occupations | 782,000 | 380,000 | 403,000 | 562,000 | 36,000 | 107,000 | 55,000 | 4,000 | 708,000 | 74,000 |
| Universities and 4-year colleges | 1,549,000 | 799,000 | 750,000 | 1,140,000 | 207,000 | 85,000 | 76,000 | 11,000 | 1,455,000 | 93,000 |
| S&E occupations | 675,000 | 252,000 | 423,000 | 495,000 | 113,000 | 23,000 | 28,000 | 4,000 | 636,000 | 38,000 |
| Scientist | 591,000 | 238,000 | 353,000 | 439,000 | 93,000 | 21,000 | 25,000 | 4,000 | 557,000 | 34,000 |
| Biological/life scientist | 190,000 | 87,000 | 102,000 | 133,000 | 41,000 | 4,000 | 7,000 | 1,000 | 179,000 | 10,000 |
| Computer and information scientist | 121,000 | 33,000 | 88,000 | 87,000 | 21,000 | 6,000 | 6,000 | D | 114,000 | 7,000 |
| Mathematical scientist | 53,000 | 20,000 | 33,000 | 41,000 | 7,000 | 3,000 | 2,000 | D | 50,000 | 3,000 |
| Physical scientist | 84,000 | 25,000 | 59,000 | 65,000 | 13,000 | 2,000 | 3,000 | * | 79,000 | 5,000 |
| Psychologist | 57,000 | 34,000 | 23,000 | 48,000 | 3,000 | 2,000 | 3,000 | 1,000 | 54,000 | 2,000 |
| Social scientist | 87,000 | 39,000 | 48,000 | 66,000 | 8,000 | 5,000 | 4,000 | 1,000 | 80,000 | 7,000 |
| Engineer | 84,000 | 14,000 | 70,000 | 56,000 | 21,000 | 2,000 | 3,000 | * | 79,000 | 5,000 |
| S&E-related occupations | 472,000 | 322,000 | 150,000 | 343,000 | 66,000 | 29,000 | 22,000 | 3,000 | 452,000 | 20,000 |

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2006

| Sector and occupation | Race/ethnicity | | | | | | | | | |
|------------------------------------|----------------|-----------|---------|----------------|--------|---------|----------|-----------------------------------|-------------------|-----------------|
| | Total | Sex | | Race/ethnicity | | | | | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | American Indian/ Alaska Native | No disability | With disability |
| Non-S&E occupations | 402,000 | 225,000 | 177,000 | 302,000 | 28,000 | 33,000 | 26,000 | 4,000 | 367,000 | 35,000 |
| Other educational institutions | 2,014,000 | 1,334,000 | 680,000 | 1,596,000 | 70,000 | 170,000 | 138,000 | 9,000 | 1,867,000 | 147,000 |
| S&E occupations | 159,000 | 83,000 | 75,000 | 126,000 | 8,000 | 11,000 | 9,000 | 1,000 | 145,000 | 14,000 |
| Scientist | 152,000 | 83,000 | 69,000 | 122,000 | 7,000 | 10,000 | 9,000 | 1,000 | 140,000 | 12,000 |
| Biological/life scientist | 15,000 | 8,000 | 7,000 | 11,000 | 1,000 | 2,000 | * | D | 13,000 | 2,000 |
| Computer and information scientist | 42,000 | 19,000 | 23,000 | 33,000 | 2,000 | 2,000 | 3,000 | D | 38,000 | 4,000 |
| Mathematical scientist | 24,000 | 12,000 | 12,000 | 18,000 | 2,000 | 3,000 | 1,000 | D | 23,000 | 1,000 |
| Physical scientist | 8,000 | 3,000 | 5,000 | 7,000 | * | * | * | D | 8,000 | * |
| Psychologist | 47,000 | 32,000 | 15,000 | 40,000 | 1,000 | 2,000 | 3,000 | D | 44,000 | 3,000 |
| Social scientist | 17,000 | 9,000 | 8,000 | 13,000 | 1,000 | 1,000 | 1,000 | D | 15,000 | 1,000 |
| Engineer | 6,000 | D | 6,000 | 4,000 | 1,000 | D | * | D | 4,000 | 2,000 |
| S&E-related occupations | 796,000 | 480,000 | 316,000 | 659,000 | 25,000 | 58,000 | 40,000 | 2,000 | 732,000 | 64,000 |
| Non-S&E occupations | 1,059,000 | 770,000 | 289,000 | 811,000 | 37,000 | 101,000 | 88,000 | 5,000 | 991,000 | 68,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003. Other datasets are more appropriate for characterizing the entire U.S. labor force, including those with a bachelor's or higher degree. See tables H-1 to H-4.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-20. Scientists and engineers employed in schools and academic institutions, by institution type, sex, race/ethnicity, and disability status: 2006

| Institution type | Total | Sex | | Race/ethnicity | | | | | Disability status | |
|--|-----------|-----------|-----------|----------------|---------|---------|----------|--------------------------|-------------------|-----------------|
| | | Female | Male | White | Asian | Black | Hispanic | American | No disability | With disability |
| | | | | | | | | Indian/ Alaska Native | | |
| All educational institutions | 3,562,000 | 2,133,000 | 1,430,000 | 2,737,000 | 277,000 | 256,000 | 214,000 | 19,000 | 3,323,000 | 240,000 |
| Preschool, elementary, middle, or secondary school | 1,813,000 | 1,225,000 | 588,000 | 1,442,000 | 58,000 | 151,000 | 128,000 | 8,000 | 1,686,000 | 128,000 |
| 2-year college, junior college, or technical institute | 183,000 | 101,000 | 82,000 | 143,000 | 11,000 | 17,000 | 8,000 | D | 165,000 | 18,000 |
| 4-year college or university | 827,000 | 381,000 | 446,000 | 627,000 | 93,000 | 46,000 | 41,000 | 7,000 | 768,000 | 59,000 |
| Medical school | 512,000 | 318,000 | 194,000 | 368,000 | 81,000 | 31,000 | 21,000 | 2,000 | 493,000 | 19,000 |
| University research institute | 209,000 | 99,000 | 110,000 | 146,000 | 34,000 | 8,000 | 13,000 | 1,000 | 194,000 | 15,000 |
| Other | 17,000 | 8,000 | 9,000 | 12,000 | 2,000 | 2,000 | 2,000 | D | 16,000 | 1,000 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-21. S&E doctorate holders employed full time in universities and 4-year colleges, by Carnegie classification of academic institution, sex, race/ethnicity, and disability status: 2006

| Carnegie classification | Race/ethnicity | | | | | | | | | |
|---|----------------|--------|---------|---------|--------|-------|----------|-----------------------------|-------------------|--------------------|
| | Total | Sex | | White | Asian | Black | Hispanic | American | Disability status | |
| | | Female | Male | | | | | Indian/ Alaska Native | No disability | With disability |
| All academic institutions | 248,500 | 79,000 | 169,500 | 193,100 | 35,500 | 9,400 | 8,500 | 1,700 | 232,000 | 16,500 |
| Doctorate-granting research universities, very high research activity | 111,100 | 34,600 | 76,500 | 84,500 | 19,000 | 3,100 | 3,600 | 700 | 103,800 | 7,300 |
| Doctorate-granting research universities, high research activity | 36,500 | 9,800 | 26,700 | 28,500 | 4,800 | 1,300 | 1,400 | 400 | 34,100 | 2,400 |
| Doctoral/research universities | 9,300 | 3,100 | 6,200 | 7,300 | 900 | 800 | 300 | D | 8,700 | 600 |
| Master's-granting colleges and universities | 45,100 | 15,100 | 30,000 | 36,600 | 4,200 | 2,300 | 1,600 | 300 | 41,800 | 3,300 |
| Baccalaureate colleges | 19,800 | 6,500 | 13,300 | 16,900 | 1,200 | 900 | 600 | 100 | 18,700 | 1,200 |
| Medical schools and medical centers | 14,100 | 5,600 | 8,500 | 10,400 | 2,700 | 400 | 500 | D | 13,400 | 800 |
| Schools of engineering | 300 | D | 200 | 200 | D | D | D | D | 300 | D |
| Other institutions | 3,100 | 1,200 | 1,900 | 2,200 | 600 | 200 | 100 | D | 2,800 | 400 |
| Missing | 9,100 | 2,900 | 6,200 | 6,300 | 2,000 | 300 | 400 | D | 8,500 | 600 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2006

| Occupation, sex, and years since doctorate | Total | Professor | Associate professor | Assistant professor | Other faculty | Rank not applicable |
|--|---------|-----------|---------------------|---------------------|---------------|---------------------|
| All occupations | 269,400 | 89,800 | 57,100 | 58,400 | 12,300 | 51,700 |
| Female | 87,900 | 17,100 | 19,500 | 25,100 | 6,000 | 20,100 |
| Fewer than 10 | 50,200 | 1,200 | 8,100 | 21,400 | 3,800 | 15,700 |
| 10-19 | 22,600 | 6,700 | 8,800 | 3,200 | 1,200 | 2,700 |
| 20-29 | 11,600 | 6,500 | 2,400 | 500 | 800 | 1,400 |
| 30 or more | 3,600 | 2,600 | 300 | D | 200 | 400 |
| Male | 181,500 | 72,700 | 37,600 | 33,300 | 6,300 | 31,600 |
| Fewer than 10 | 68,900 | 2,500 | 13,100 | 28,400 | 3,000 | 21,900 |
| 10-19 | 44,200 | 19,000 | 16,000 | 3,700 | 1,000 | 4,600 |
| 20-29 | 39,000 | 27,900 | 5,900 | 900 | 1,000 | 3,200 |
| 30 or more | 29,400 | 23,300 | 2,700 | 300 | 1,200 | 1,900 |
| S&E occupations | 215,400 | 69,300 | 46,400 | 48,700 | 9,800 | 41,200 |
| Female | 66,100 | 11,200 | 14,500 | 19,600 | 4,600 | 16,200 |
| Fewer than 10 | 39,400 | 600 | 5,700 | 16,900 | 2,900 | 13,300 |
| 10-19 | 15,800 | 4,100 | 6,600 | 2,300 | 1,000 | 1,700 |
| 20-29 | 8,500 | 4,700 | 1,900 | 400 | 600 | 900 |
| 30 or more | 2,400 | 1,800 | 200 | D | 200 | 200 |
| Male | 149,300 | 58,100 | 31,900 | 29,100 | 5,200 | 25,100 |
| Fewer than 10 | 59,400 | 2,100 | 11,300 | 24,900 | 2,600 | 18,600 |
| 10-19 | 36,900 | 15,900 | 13,500 | 3,200 | 900 | 3,400 |
| 20-29 | 29,800 | 21,500 | 4,900 | 700 | 700 | 1,900 |
| 30 or more | 23,100 | 18,600 | 2,200 | 300 | 1,000 | 1,100 |
| Scientist | 190,900 | 59,500 | 41,300 | 43,400 | 9,200 | 37,500 |
| Female | 63,200 | 10,800 | 13,800 | 18,600 | 4,500 | 15,500 |
| Fewer than 10 | 37,300 | 600 | 5,300 | 15,900 | 2,800 | 12,700 |
| 10-19 | 15,200 | 3,900 | 6,400 | 2,300 | 1,000 | 1,700 |
| 20-29 | 8,300 | 4,600 | 1,900 | 400 | 600 | 900 |
| 30 or more | 2,400 | 1,800 | 200 | D | 200 | 200 |
| Male | 127,700 | 48,700 | 27,500 | 24,800 | 4,600 | 22,100 |
| Fewer than 10 | 51,100 | 1,700 | 9,500 | 21,200 | 2,400 | 16,300 |
| 10-19 | 30,900 | 12,600 | 11,700 | 2,800 | 700 | 3,100 |
| 20-29 | 25,700 | 18,300 | 4,400 | 700 | 700 | 1,700 |
| 30 or more | 20,000 | 16,100 | 1,900 | 200 | 800 | 1,000 |
| Biological/life scientist | 68,000 | 17,900 | 12,400 | 14,700 | 2,900 | 20,100 |
| Female | 24,000 | 3,700 | 3,600 | 6,000 | 1,700 | 9,000 |
| Fewer than 10 | 14,500 | 100 | 1,000 | 4,400 | 1,000 | 8,000 |
| 10-19 | 5,700 | 1,300 | 2,100 | 1,400 | 300 | 600 |
| 20-29 | 2,900 | 1,600 | 500 | 200 | 300 | 300 |
| 30 or more | 900 | 700 | D | D | D | D |
| Male | 44,000 | 14,200 | 8,800 | 8,800 | 1,200 | 11,100 |
| Fewer than 10 | 19,100 | 200 | 2,100 | 7,000 | 600 | 9,100 |
| 10-19 | 11,100 | 3,400 | 4,600 | 1,500 | 200 | 1,300 |
| 20-29 | 8,100 | 5,900 | 1,500 | 200 | D | 400 |
| 30 or more | 5,800 | 4,600 | 600 | D | 200 | 300 |
| Computer and information scientist | 9,600 | 2,800 | 2,300 | 2,400 | 500 | 1,600 |
| Female | 1,600 | 300 | 400 | 500 | D | 300 |
| Fewer than 10 | 900 | D | 200 | 500 | D | 100 |
| 10-19 | 400 | 200 | 100 | D | D | D |
| 20-29 | 300 | D | D | D | D | D |
| 30 or more | D | D | D | D | D | D |
| Male | 8,000 | 2,500 | 1,900 | 1,900 | 400 | 1,300 |
| Fewer than 10 | 3,900 | 200 | 1,000 | 1,700 | 200 | 700 |
| 10-19 | 1,900 | 900 | 500 | D | D | 300 |
| 20-29 | 1,400 | 800 | 300 | D | D | 300 |
| 30 or more | 800 | 500 | 200 | D | D | D |

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2006

| Occupation, sex, and years since doctorate | Total | Professor | Associate professor | Assistant professor | Other faculty | Rank not applicable |
|--|--------|-----------|---------------------|---------------------|---------------|---------------------|
| Mathematical scientist | 15,500 | 5,500 | 3,900 | 3,600 | 800 | 1,800 |
| Female | 3,600 | 600 | 900 | 1,400 | 300 | 500 |
| Fewer than 10 | 2,300 | D | 400 | 1,300 | 200 | 400 |
| 10-19 | 700 | 100 | 400 | D | 100 | D |
| 20-29 | 400 | 300 | D | D | D | D |
| 30 or more | 200 | D | D | D | D | D |
| Male | 11,900 | 4,900 | 2,900 | 2,300 | 500 | 1,300 |
| Fewer than 10 | 4,600 | 200 | 1,200 | 2,000 | 200 | 900 |
| 10-19 | 2,900 | 1,500 | 900 | 200 | D | 200 |
| 20-29 | 2,000 | 1,300 | 500 | D | D | D |
| 30 or more | 2,400 | 1,900 | 300 | D | D | D |
| Physical scientist | 33,500 | 11,500 | 6,700 | 6,400 | 1,700 | 7,200 |
| Female | 6,300 | 1,100 | 1,600 | 1,800 | 400 | 1,400 |
| Fewer than 10 | 3,700 | D | 600 | 1,600 | 300 | 1,100 |
| 10-19 | 1,700 | 500 | 800 | 100 | D | 200 |
| 20-29 | 600 | 300 | D | D | D | D |
| 30 or more | 300 | 200 | D | D | D | D |
| Male | 27,200 | 10,400 | 5,200 | 4,600 | 1,300 | 5,700 |
| Fewer than 10 | 10,700 | 400 | 1,600 | 4,000 | 600 | 4,100 |
| 10-19 | 6,600 | 2,700 | 2,500 | 400 | 200 | 800 |
| 20-29 | 4,900 | 3,400 | 700 | D | 200 | 600 |
| 30 or more | 4,900 | 3,900 | 400 | D | 200 | 300 |
| Psychologist | 25,200 | 7,400 | 5,600 | 6,700 | 1,600 | 3,900 |
| Female | 13,800 | 2,200 | 3,400 | 4,200 | 1,200 | 2,700 |
| Fewer than 10 | 7,800 | D | 1,400 | 3,600 | 800 | 1,800 |
| 10-19 | 3,500 | 800 | 1,300 | 500 | 300 | 600 |
| 20-29 | 1,900 | 900 | 600 | D | D | 200 |
| 30 or more | 600 | 400 | D | D | D | D |
| Male | 11,400 | 5,100 | 2,200 | 2,500 | 400 | 1,200 |
| Fewer than 10 | 3,900 | D | 900 | 2,100 | 200 | 600 |
| 10-19 | 2,500 | 1,100 | 800 | 200 | D | 300 |
| 20-29 | 2,600 | 1,900 | 300 | 200 | D | 100 |
| 30 or more | 2,400 | 2,000 | D | D | D | D |
| Social scientist | 39,000 | 14,400 | 10,500 | 9,500 | 1,700 | 2,900 |
| Female | 13,900 | 2,800 | 3,900 | 4,800 | 800 | 1,600 |
| Fewer than 10 | 8,100 | 200 | 1,700 | 4,500 | 500 | 1,200 |
| 10-19 | 3,200 | 1,000 | 1,700 | 200 | 200 | 200 |
| 20-29 | 2,200 | 1,300 | 500 | D | D | 200 |
| 30 or more | 400 | 300 | D | D | D | D |
| Male | 25,100 | 11,600 | 6,500 | 4,800 | 900 | 1,300 |
| Fewer than 10 | 8,900 | 600 | 2,600 | 4,300 | 500 | 800 |
| 10-19 | 6,000 | 2,900 | 2,500 | 300 | D | 200 |
| 20-29 | 6,600 | 5,000 | 1,100 | D | D | 200 |
| 30 or more | 3,700 | 3,000 | 300 | D | 200 | D |
| Engineer | 24,400 | 9,800 | 5,100 | 5,300 | 600 | 3,700 |
| Female | 2,900 | 400 | 700 | 1,000 | 100 | 700 |
| Fewer than 10 | 2,200 | 100 | 400 | 1,000 | D | 600 |
| 10-19 | 600 | 300 | 200 | D | D | D |
| 20-29 | 100 | 100 | D | D | D | D |
| 30 or more | * | * | * | * | * | * |
| Male | 21,500 | 9,400 | 4,400 | 4,200 | 500 | 3,000 |
| Fewer than 10 | 8,300 | 300 | 1,800 | 3,700 | 200 | 2,300 |
| 10-19 | 6,000 | 3,400 | 1,800 | 400 | 100 | 300 |
| 20-29 | 4,000 | 3,100 | 500 | D | D | 300 |
| 30 or more | 3,100 | 2,600 | 300 | D | D | D |

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2006

| Occupation, sex, and years since doctorate | Total | Professor | Associate professor | Assistant professor | Other faculty | Rank not applicable |
|--|--------|-----------|---------------------|---------------------|---------------|---------------------|
| S&E related occupations | 25,200 | 7,200 | 6,300 | 5,800 | 1,200 | 4,600 |
| Female | 11,700 | 2,600 | 3,000 | 3,600 | 700 | 1,700 |
| Fewer than 10 | 6,400 | 300 | 1,400 | 3,000 | 400 | 1,300 |
| 10-19 | 3,800 | 1,300 | 1,400 | 600 | D | 300 |
| 20-29 | 1,300 | 700 | 200 | D | D | D |
| 30 or more | 300 | 200 | D | D | D | D |
| Male | 13,500 | 4,600 | 3,300 | 2,200 | 400 | 2,900 |
| Fewer than 10 | 4,900 | 200 | 700 | 1,700 | 300 | 2,000 |
| 10-19 | 3,300 | 800 | 1,700 | 400 | D | 400 |
| 20-29 | 3,100 | 2,000 | 600 | D | D | 400 |
| 30 or more | 2,200 | 1,700 | 300 | D | D | D |
| Non-S&E occupations | 28,800 | 13,300 | 4,400 | 3,900 | 1,400 | 5,800 |
| Female | 10,100 | 3,300 | 2,000 | 1,800 | 700 | 2,300 |
| Fewer than 10 | 4,300 | 300 | 1,000 | 1,600 | 500 | 1,000 |
| 10-19 | 3,000 | 1,300 | 800 | 200 | D | 600 |
| 20-29 | 1,900 | 1,100 | 200 | D | D | 400 |
| 30 or more | 900 | 600 | D | D | D | 200 |
| Male | 18,800 | 10,000 | 2,400 | 2,100 | 700 | 3,600 |
| Fewer than 10 | 4,600 | 300 | 1,000 | 1,800 | 200 | 1,300 |
| 10-19 | 4,000 | 2,300 | 800 | 100 | D | 700 |
| 20-29 | 6,100 | 4,500 | 400 | 200 | 300 | 800 |
| 30 or more | 4,100 | 2,900 | 200 | D | 200 | 700 |

D = suppressed for data confidentiality reasons.

* = estimate less than 50.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-23. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and faculty rank: 2006

| Occupation, race/ethnicity, and years since doctorate | All faculty | Professor | Associate professor | Assistant professor | Other | Rank not applicable |
|---|-------------|-----------|---------------------|---------------------|--------|---------------------|
| All occupations | 269,400 | 89,800 | 57,100 | 58,400 | 12,300 | 51,700 |
| White | 209,600 | 75,900 | 45,900 | 43,000 | 9,800 | 35,000 |
| Fewer than 10 | 83,800 | 2,800 | 16,300 | 36,200 | 5,100 | 23,300 |
| 10-19 | 52,200 | 20,200 | 19,500 | 5,200 | 1,700 | 5,500 |
| 20-29 | 44,500 | 30,100 | 7,400 | 1,300 | 1,700 | 4,100 |
| 30 or more | 29,200 | 22,800 | 2,600 | 300 | 1,300 | 2,100 |
| Asian | 37,900 | 8,100 | 6,300 | 9,500 | 1,500 | 12,600 |
| Fewer than 10 | 23,600 | 500 | 2,600 | 8,300 | 1,000 | 11,100 |
| 10-19 | 8,800 | 3,300 | 2,900 | 1,100 | 300 | 1,100 |
| 20-29 | 3,300 | 2,500 | 500 | D | D | 200 |
| 30 or more | 2,300 | 1,800 | 200 | D | D | D |
| Black | 10,300 | 2,300 | 2,600 | 3,200 | 500 | 1,800 |
| Fewer than 10 | 5,600 | 200 | 1,000 | 2,800 | 400 | 1,300 |
| 10-19 | 2,700 | 800 | 1,200 | 300 | 100 | 300 |
| 20-29 | 1,400 | 900 | 300 | D | D | 100 |
| 30 or more | 500 | 400 | D | D | D | D |
| Hispanic | 9,300 | 2,700 | 2,000 | 2,200 | 400 | 2,000 |
| Fewer than 10 | 5,100 | 200 | 1,000 | 2,000 | 300 | 1,600 |
| 10-19 | 2,600 | 1,200 | 900 | 200 | 100 | 200 |
| 20-29 | 900 | 700 | 100 | D | D | 100 |
| 30 or more | 700 | 700 | D | D | D | D |
| American Indian/Alaska Native | 1,800 | 800 | 300 | 400 | D | 200 |
| Fewer than 10 | 700 | D | 200 | 300 | D | 200 |
| 10-19 | 400 | 200 | 100 | D | D | D |
| 20-29 | 400 | 300 | D | D | D | D |
| 30 or more | 300 | 300 | D | D | D | D |
| S&E occupations | 215,400 | 69,300 | 46,400 | 48,700 | 9,800 | 41,200 |
| White | 165,800 | 57,900 | 37,300 | 35,900 | 7,700 | 27,000 |
| Fewer than 10 | 68,900 | 1,900 | 13,000 | 30,400 | 4,200 | 19,400 |
| 10-19 | 40,800 | 15,300 | 16,100 | 4,200 | 1,400 | 3,800 |
| 20-29 | 33,500 | 22,700 | 6,000 | 1,000 | 1,200 | 2,600 |
| 30 or more | 22,500 | 17,900 | 2,100 | 300 | 1,000 | 1,200 |
| Asian | 32,500 | 6,900 | 5,300 | 8,100 | 1,300 | 11,000 |
| Fewer than 10 | 20,700 | 500 | 2,400 | 7,100 | 800 | 9,900 |
| 10-19 | 7,300 | 3,000 | 2,300 | 900 | 300 | 900 |
| 20-29 | 2,800 | 2,100 | 400 | D | D | D |
| 30 or more | 1,700 | 1,300 | 200 | D | D | D |
| Black | 7,600 | 1,600 | 1,900 | 2,400 | 400 | 1,200 |
| Fewer than 10 | 4,200 | 100 | 700 | 2,100 | 200 | 1,000 |
| 10-19 | 2,100 | 700 | 900 | 200 | 100 | 200 |
| 20-29 | 900 | 500 | 200 | D | D | 100 |
| 30 or more | 400 | 300 | D | D | D | D |
| Hispanic | 7,700 | 2,200 | 1,700 | 1,800 | 300 | 1,600 |
| Fewer than 10 | 4,200 | 100 | 800 | 1,700 | 300 | 1,400 |
| 10-19 | 2,100 | 1,000 | 800 | 100 | D | 200 |
| 20-29 | 700 | 500 | 100 | D | D | 100 |
| 30 or more | 600 | 600 | D | D | D | D |
| American Indian/Alaska Native | 1,500 | 700 | 300 | 300 | D | 200 |
| Fewer than 10 | 600 | D | 100 | 300 | D | 200 |
| 10-19 | 300 | 100 | 100 | D | D | D |
| 20-29 | 300 | 200 | D | D | D | D |
| 30 or more | 300 | 300 | D | D | D | D |

D = suppressed for data confidentiality reasons.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All occupations includes S&E-related and non-S&E occupations not shown separately. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-24. S&E doctorate holders employed in universities and 4-year colleges, by type of academic position, sex, race/ethnicity, and disability status: 2006

| Academic position | Race/ethnicity | | | | | | | | | | |
|--------------------------------|----------------|--------|---------|----------------|--------|--------|----------|-----------------------------------|---------------|-------------------|--|
| | Total | Sex | | Race/ethnicity | | | | | | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | American Indian/ Alaska Native | No disability | With disability | |
| All academic positions | 269,400 | 87,900 | 181,500 | 209,600 | 37,900 | 10,300 | 9,300 | 1,800 | 250,900 | 18,500 | |
| President, provost, chancellor | 2,900 | 900 | 2,000 | 2,400 | D | 300 | 100 | D | 2,700 | 200 | |
| Dean, department head, chair | 28,000 | 7,700 | 20,400 | 23,800 | 1,900 | 1,200 | 800 | 200 | 25,500 | 2,600 | |
| Research faculty | 112,100 | 34,800 | 77,300 | 86,700 | 17,000 | 3,600 | 3,900 | 900 | 105,000 | 7,100 | |
| Teaching faculty | 177,700 | 54,300 | 123,400 | 143,300 | 19,800 | 6,900 | 6,100 | 1,300 | 165,600 | 12,000 | |
| Adjunct faculty | 14,400 | 5,600 | 8,800 | 12,100 | 1,400 | 500 | 400 | D | 13,100 | 1,300 | |
| Postdoc | 23,400 | 9,600 | 13,800 | 13,400 | 8,200 | 700 | 1,000 | 100 | 22,200 | 1,100 | |
| Research assistant | 1,400 | 600 | 800 | 900 | 400 | D | 100 | D | 1,200 | 200 | |
| Teaching assistant | 200 | D | 100 | 100 | D | D | D | D | 200 | D | |
| Other | 11,500 | 4,400 | 7,000 | 9,200 | 1,100 | 600 | 400 | 100 | 10,600 | 900 | |

D = data suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. Respondents could answer "yes" to more than one category. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2006

| Occupation, sex, and race/ethnicity | Total | Professor | Associate professor | Assistant professor | Other faculty | Not applicable |
|-------------------------------------|---------|-----------|---------------------|---------------------|---------------|----------------|
| All occupations | 269,400 | 89,800 | 57,100 | 58,400 | 12,300 | 51,700 |
| Female | 87,900 | 17,100 | 19,500 | 25,100 | 6,000 | 20,100 |
| White | 67,100 | 14,700 | 15,700 | 18,700 | 4,700 | 13,400 |
| Asian | 12,000 | 900 | 1,900 | 3,600 | 800 | 4,800 |
| Black | 4,500 | 800 | 1,100 | 1,500 | 300 | 900 |
| Hispanic | 3,600 | 600 | 800 | 1,200 | 200 | 900 |
| American Indian/Alaska Native | 600 | 200 | 100 | 200 | D | 100 |
| Male | 181,500 | 72,700 | 37,600 | 33,300 | 6,300 | 31,600 |
| White | 142,500 | 61,200 | 30,200 | 24,400 | 5,100 | 21,600 |
| Asian | 26,000 | 7,200 | 4,400 | 5,900 | 700 | 7,700 |
| Black | 5,800 | 1,500 | 1,500 | 1,700 | 200 | 900 |
| Hispanic | 5,700 | 2,100 | 1,200 | 1,100 | 200 | 1,100 |
| American Indian/Alaska Native | 1,300 | 600 | 200 | 200 | D | 100 |
| S&E occupations | 215,400 | 69,300 | 46,400 | 48,700 | 9,800 | 41,200 |
| Female | 66,100 | 11,200 | 14,500 | 19,600 | 4,600 | 16,200 |
| White | 49,600 | 9,400 | 11,600 | 14,500 | 3,600 | 10,500 |
| Asian | 10,000 | 700 | 1,500 | 2,900 | 600 | 4,200 |
| Black | 3,200 | 600 | 700 | 1,100 | 200 | 600 |
| Hispanic | 2,800 | 400 | 600 | 900 | 200 | 700 |
| American Indian/Alaska Native | 400 | 100 | 100 | 100 | D | 100 |
| Male | 149,300 | 58,100 | 31,900 | 29,100 | 5,200 | 25,100 |
| White | 116,200 | 48,500 | 25,700 | 21,300 | 4,200 | 16,500 |
| Asian | 22,600 | 6,100 | 3,800 | 5,200 | 600 | 6,800 |
| Black | 4,400 | 1,100 | 1,200 | 1,300 | 200 | 600 |
| Hispanic | 4,800 | 1,800 | 1,100 | 900 | 100 | 900 |
| American Indian/Alaska Native | 1,100 | 600 | 200 | 200 | D | D |
| Scientist | 190,900 | 59,500 | 41,300 | 43,400 | 9,200 | 37,500 |
| Female | 63,200 | 10,800 | 13,800 | 18,600 | 4,500 | 15,500 |
| White | 47,800 | 9,100 | 11,100 | 14,000 | 3,500 | 10,200 |
| Asian | 9,100 | 600 | 1,400 | 2,500 | 600 | 3,900 |
| Black | 3,000 | 500 | 700 | 1,100 | 200 | 600 |
| Hispanic | 2,700 | 400 | 600 | 900 | 200 | 700 |
| American Indian/Alaska Native | 400 | 100 | 100 | 100 | D | 100 |
| Male | 127,700 | 48,700 | 27,500 | 24,800 | 4,600 | 22,100 |
| White | 101,800 | 41,900 | 22,500 | 18,600 | 3,800 | 15,000 |
| Asian | 17,100 | 4,000 | 3,000 | 4,200 | 500 | 5,400 |
| Black | 3,600 | 800 | 1,000 | 1,000 | 200 | 600 |
| Hispanic | 4,100 | 1,500 | 900 | 800 | 100 | 800 |
| American Indian/Alaska Native | 900 | 500 | 200 | 100 | D | D |
| Biological/life scientist | 68,000 | 17,900 | 12,400 | 14,700 | 2,900 | 20,100 |
| Female | 24,000 | 3,700 | 3,600 | 6,000 | 1,700 | 9,000 |
| White | 17,300 | 3,200 | 2,800 | 4,500 | 1,300 | 5,400 |
| Asian | 5,000 | 200 | 500 | 900 | 300 | 2,900 |
| Black | 800 | 100 | 100 | 300 | D | 200 |
| Hispanic | 900 | 100 | 200 | 200 | 100 | 400 |
| American Indian/Alaska Native | 100 | D | D | D | D | D |
| Male | 44,000 | 14,200 | 8,800 | 8,800 | 1,200 | 11,100 |
| White | 34,400 | 12,700 | 7,200 | 6,400 | 900 | 7,300 |
| Asian | 6,800 | 800 | 1,000 | 1,700 | 300 | 3,100 |
| Black | 1,000 | 200 | 100 | 300 | D | 300 |
| Hispanic | 1,500 | 400 | 400 | 300 | D | 400 |
| American Indian/Alaska Native | 300 | D | D | D | D | D |
| Computer and information scientist | 9,600 | 2,800 | 2,300 | 2,400 | 500 | 1,600 |
| Female | 1,600 | 300 | 400 | 500 | D | 300 |
| White | 1,000 | 300 | 300 | 200 | D | 200 |
| Asian | 500 | D | 100 | 200 | D | D |

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2006

| Occupation, sex, and race/ethnicity | Total | Professor | Associate professor | Assistant professor | Other faculty | Not applicable |
|-------------------------------------|--------|-----------|---------------------|---------------------|---------------|----------------|
| Black | 100 | D | * | * | D | D |
| Hispanic | * | D | D | D | D | D |
| American Indian/Alaska Native | * | * | * | * | * | * |
| Male | 8,000 | 2,500 | 1,900 | 1,900 | 400 | 1,300 |
| White | 5,400 | 1,600 | 1,500 | 1,100 | 400 | 900 |
| Asian | 2,200 | 700 | 400 | 700 | D | 400 |
| Black | 100 | D | D | 100 | D | D |
| Hispanic | 200 | 100 | D | 100 | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D |
| Mathematical scientist | 15,500 | 5,500 | 3,900 | 3,600 | 800 | 1,800 |
| Female | 3,600 | 600 | 900 | 1,400 | 300 | 500 |
| White | 2,500 | 400 | 600 | 900 | 200 | 300 |
| Asian | 900 | 100 | 200 | 300 | 100 | 100 |
| Black | 200 | D | * | 100 | D | D |
| Hispanic | 100 | D | * | * | D | D |
| American Indian/Alaska Native | * | * | * | * | * | * |
| Male | 11,900 | 4,900 | 2,900 | 2,300 | 500 | 1,300 |
| White | 9,000 | 4,000 | 2,100 | 1,600 | 400 | 900 |
| Asian | 2,100 | 600 | 700 | 500 | D | 300 |
| Black | 300 | 100 | D | 100 | D | D |
| Hispanic | 400 | 200 | 100 | D | D | D |
| American Indian/Alaska Native | * | * | * | * | * | * |
| Physical scientist | 33,500 | 11,500 | 6,700 | 6,400 | 1,700 | 7,200 |
| Female | 6,300 | 1,100 | 1,600 | 1,800 | 400 | 1,400 |
| White | 4,900 | 900 | 1,300 | 1,400 | 300 | 900 |
| Asian | 900 | D | 200 | 200 | D | 400 |
| Black | 200 | D | D | 100 | D | D |
| Hispanic | 200 | 100 | D | 100 | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D |
| Male | 27,200 | 10,400 | 5,200 | 4,600 | 1,300 | 5,700 |
| White | 21,800 | 8,800 | 4,300 | 3,700 | 1,000 | 4,000 |
| Asian | 3,800 | 1,100 | 500 | 600 | 200 | 1,400 |
| Black | 600 | 100 | 100 | 200 | D | 100 |
| Hispanic | 800 | 400 | 100 | 100 | D | 200 |
| American Indian/Alaska Native | 200 | D | D | D | D | D |
| Psychologist | 25,200 | 7,400 | 5,600 | 6,700 | 1,600 | 3,900 |
| Female | 13,800 | 2,200 | 3,400 | 4,200 | 1,200 | 2,700 |
| White | 11,300 | 1,900 | 2,900 | 3,300 | 1,100 | 2,200 |
| Asian | 600 | D | 100 | 300 | D | 100 |
| Black | 1,000 | 200 | 200 | 300 | D | 200 |
| Hispanic | 700 | D | 100 | 300 | D | 200 |
| American Indian/Alaska Native | 100 | D | D | D | D | D |
| Male | 11,400 | 5,100 | 2,200 | 2,500 | 400 | 1,200 |
| White | 10,200 | 4,800 | 1,900 | 2,300 | 300 | 1,000 |
| Asian | 300 | 100 | D | 100 | D | 100 |
| Black | 400 | D | 200 | 100 | D | D |
| Hispanic | 300 | D | 100 | 100 | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D |
| Social scientist | 39,000 | 14,400 | 10,500 | 9,500 | 1,700 | 2,900 |
| Female | 13,900 | 2,800 | 3,900 | 4,800 | 800 | 1,600 |
| White | 10,900 | 2,400 | 3,100 | 3,600 | 600 | 1,200 |
| Asian | 1,200 | 100 | 400 | 500 | 100 | 200 |
| Black | 900 | 200 | 300 | 300 | D | 100 |
| Hispanic | 700 | 100 | 200 | 300 | 100 | 100 |
| American Indian/Alaska Native | 100 | D | D | 100 | D | D |
| Male | 25,100 | 11,600 | 6,500 | 4,800 | 900 | 1,300 |

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2006

| Occupation, sex, and race/ethnicity | Total | Professor | Associate professor | Assistant professor | Other faculty | Not applicable |
|-------------------------------------|--------|-----------|---------------------|---------------------|---------------|----------------|
| White | 20,800 | 10,000 | 5,500 | 3,600 | 800 | 1,000 |
| Asian | 1,900 | 800 | 300 | 600 | D | 200 |
| Black | 1,200 | 300 | 500 | 300 | D | D |
| Hispanic | 800 | 400 | 200 | 200 | D | 100 |
| American Indian/Alaska Native | 300 | 200 | D | D | D | D |
| Engineer | 24,400 | 9,800 | 5,100 | 5,300 | 600 | 3,700 |
| Female | 2,900 | 400 | 700 | 1,000 | 100 | 700 |
| White | 1,800 | 300 | 500 | 600 | D | 300 |
| Asian | 900 | D | 100 | 300 | D | 400 |
| Black | 100 | D | D | 100 | D | D |
| Hispanic | 100 | D | D | D | D | D |
| American Indian/Alaska Native | D | D | D | D | D | D |
| Male | 21,500 | 9,400 | 4,400 | 4,200 | 500 | 3,000 |
| White | 14,400 | 6,600 | 3,200 | 2,700 | 400 | 1,500 |
| Asian | 5,500 | 2,100 | 800 | 1,100 | D | 1,400 |
| Black | 800 | 300 | 200 | 300 | D | D |
| Hispanic | 700 | 300 | 100 | 200 | D | 100 |
| American Indian/Alaska Native | D | D | D | D | D | D |
| S&E related occupations | 25,200 | 7,200 | 6,300 | 5,800 | 1,200 | 4,600 |
| Female | 11,700 | 2,600 | 3,000 | 3,600 | 700 | 1,700 |
| White | 9,500 | 2,400 | 2,600 | 2,800 | 600 | 1,100 |
| Asian | 1,200 | D | 100 | 400 | 100 | 400 |
| Black | 600 | 100 | 200 | 300 | D | D |
| Hispanic | 400 | D | 100 | 100 | D | 100 |
| American Indian/Alaska Native | 100 | D | D | D | D | D |
| Male | 13,500 | 4,600 | 3,300 | 2,200 | 400 | 2,900 |
| White | 10,700 | 4,000 | 2,600 | 1,600 | 400 | 2,200 |
| Asian | 1,900 | 500 | 400 | 300 | D | 700 |
| Black | 500 | 100 | 200 | 200 | D | 100 |
| Hispanic | 300 | 100 | 100 | 100 | D | 100 |
| American Indian/Alaska Native | D | D | D | D | D | D |
| Non-S&E occupations | 28,800 | 13,300 | 4,400 | 3,900 | 1,400 | 5,800 |
| Female | 10,100 | 3,300 | 2,000 | 1,800 | 700 | 2,300 |
| White | 8,000 | 2,800 | 1,400 | 1,400 | 500 | 1,800 |
| Asian | 900 | 100 | 300 | 300 | D | 200 |
| Black | 700 | 200 | 200 | 100 | 100 | 200 |
| Hispanic | 400 | 100 | 100 | 100 | D | D |
| American Indian/Alaska Native | 100 | D | D | D | D | D |
| Male | 18,800 | 10,000 | 2,400 | 2,100 | 700 | 3,600 |
| White | 15,600 | 8,800 | 1,900 | 1,500 | 500 | 2,900 |
| Asian | 1,500 | 600 | 200 | 400 | D | 300 |
| Black | 900 | 300 | 100 | 200 | D | 200 |
| Hispanic | 600 | 200 | 100 | 100 | D | 100 |
| American Indian/Alaska Native | 200 | D | D | D | D | D |

D = suppressed for data confidentiality reasons.

* = estimate less than 50.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-26. S&E doctorate holders employed in universities and 4-year colleges, by occupation, disability status and faculty rank: 2006

| Occupation and disability status | All faculty | Professor | Associate professor | Assistant professor | Other faculty | Rank not applicable |
|------------------------------------|-------------|-----------|---------------------|---------------------|---------------|---------------------|
| All occupations | 269,400 | 89,800 | 57,100 | 58,400 | 12,300 | 51,700 |
| No disability | 250,900 | 81,200 | 53,800 | 55,700 | 11,600 | 48,600 |
| With disability | 18,500 | 8,600 | 3,300 | 2,800 | 700 | 3,200 |
| S&E occupations | 215,400 | 69,300 | 46,400 | 48,700 | 9,800 | 41,200 |
| No disability | 201,400 | 62,900 | 43,800 | 46,500 | 9,200 | 39,000 |
| With disability | 14,000 | 6,400 | 2,600 | 2,200 | 500 | 2,300 |
| Scientist | 190,900 | 59,500 | 41,300 | 43,400 | 9,200 | 37,500 |
| No disability | 178,500 | 54,000 | 39,000 | 41,400 | 8,700 | 35,400 |
| With disability | 12,500 | 5,500 | 2,300 | 2,100 | 400 | 2,100 |
| Biological/life scientist | 68,000 | 17,900 | 12,400 | 14,700 | 2,900 | 20,100 |
| No disability | 64,100 | 16,400 | 11,700 | 14,100 | 2,800 | 19,100 |
| With disability | 3,900 | 1,500 | 700 | 600 | D | 1,000 |
| Computer and information scientist | 9,600 | 2,800 | 2,300 | 2,400 | 500 | 1,600 |
| No disability | 9,200 | 2,700 | 2,200 | 2,300 | 500 | 1,500 |
| With disability | 500 | 100 | D | 100 | D | D |
| Mathematical scientist | 15,500 | 5,500 | 3,900 | 3,600 | 800 | 1,800 |
| No disability | 14,300 | 5,000 | 3,500 | 3,500 | 800 | 1,700 |
| With disability | 1,200 | 500 | 400 | 200 | D | D |
| Physical scientist | 33,500 | 11,500 | 6,700 | 6,400 | 1,700 | 7,200 |
| No disability | 31,700 | 10,700 | 6,400 | 6,100 | 1,600 | 6,900 |
| With disability | 1,900 | 800 | 400 | 300 | D | 300 |
| Psychologist | 25,200 | 7,400 | 5,600 | 6,700 | 1,600 | 3,900 |
| No disability | 23,600 | 6,700 | 5,300 | 6,400 | 1,600 | 3,600 |
| With disability | 1,600 | 600 | 300 | 400 | D | 300 |
| Social scientist | 39,000 | 14,400 | 10,500 | 9,500 | 1,700 | 2,900 |
| No disability | 35,600 | 12,600 | 9,900 | 9,000 | 1,500 | 2,600 |
| With disability | 3,400 | 1,900 | 600 | 500 | 200 | 300 |
| Engineer | 24,400 | 9,800 | 5,100 | 5,300 | 600 | 3,700 |
| No disability | 22,900 | 8,900 | 4,900 | 5,100 | 500 | 3,500 |
| With disability | 1,500 | 900 | 200 | 200 | D | 200 |
| S&E related occupations | 25,200 | 7,200 | 6,300 | 5,800 | 1,200 | 4,600 |
| No disability | 23,400 | 6,400 | 6,000 | 5,500 | 1,100 | 4,300 |
| With disability | 1,800 | 900 | 400 | 300 | D | 300 |
| Non-S&E occupations | 28,800 | 13,300 | 4,400 | 3,900 | 1,400 | 5,800 |
| No disability | 26,200 | 11,900 | 4,100 | 3,600 | 1,200 | 5,300 |
| With disability | 2,700 | 1,300 | 400 | 300 | 100 | 600 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 100. Details may not add to total because of rounding and suppression. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2006

| Occupation, sex, and years since doctorate | Total | Tenured | Not tenured | | Tenure not applicable |
|--|---------|---------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| All occupations | 269,400 | 126,700 | 47,100 | 29,100 | 66,600 |
| Female | 87,900 | 30,100 | 18,100 | 12,400 | 27,300 |
| Fewer than 10 | 50,200 | 7,700 | 15,500 | 7,700 | 19,300 |
| 10-19 | 22,600 | 12,300 | 2,200 | 3,000 | 5,100 |
| 20-29 | 11,600 | 7,600 | 300 | 1,300 | 2,300 |
| 30 or more | 3,600 | 2,500 | D | 400 | 700 |
| Male | 181,500 | 96,600 | 29,000 | 16,700 | 39,300 |
| Fewer than 10 | 68,900 | 12,900 | 24,500 | 7,600 | 23,900 |
| 10-19 | 44,200 | 30,300 | 3,700 | 3,900 | 6,400 |
| 20-29 | 39,000 | 30,900 | 600 | 2,800 | 4,800 |
| 30 or more | 29,400 | 22,500 | 200 | 2,400 | 4,300 |
| S&E occupations | 215,400 | 101,700 | 38,800 | 22,400 | 52,500 |
| Female | 66,100 | 21,700 | 13,700 | 9,600 | 21,100 |
| Fewer than 10 | 39,400 | 5,400 | 12,000 | 6,100 | 16,000 |
| 10-19 | 15,800 | 8,800 | 1,500 | 2,300 | 3,200 |
| 20-29 | 8,500 | 5,700 | 200 | 1,000 | 1,500 |
| 30 or more | 2,400 | 1,800 | D | 300 | 400 |
| Male | 149,300 | 80,000 | 25,100 | 12,800 | 31,300 |
| Fewer than 10 | 59,400 | 11,300 | 21,400 | 6,300 | 20,500 |
| 10-19 | 36,900 | 26,000 | 3,100 | 2,900 | 4,900 |
| 20-29 | 29,800 | 24,400 | 400 | 1,800 | 3,100 |
| 30 or more | 23,100 | 18,400 | 200 | 1,700 | 2,900 |
| Scientist | 190,900 | 88,200 | 34,200 | 20,700 | 47,900 |
| Female | 63,200 | 20,700 | 12,900 | 9,300 | 20,300 |
| Fewer than 10 | 37,300 | 5,000 | 11,200 | 5,900 | 15,200 |
| 10-19 | 15,200 | 8,300 | 1,500 | 2,200 | 3,200 |
| 20-29 | 8,300 | 5,600 | 200 | 1,000 | 1,500 |
| 30 or more | 2,400 | 1,800 | D | 300 | 400 |
| Male | 127,700 | 67,500 | 21,300 | 11,400 | 27,600 |
| Fewer than 10 | 51,100 | 9,400 | 18,100 | 5,500 | 18,000 |
| 10-19 | 30,900 | 21,200 | 2,600 | 2,700 | 4,400 |
| 20-29 | 25,700 | 21,000 | 400 | 1,700 | 2,700 |
| 30 or more | 20,000 | 16,000 | 200 | 1,400 | 2,400 |
| Biological/life scientist | 68,000 | 24,500 | 11,100 | 9,100 | 23,300 |
| Female | 24,000 | 5,500 | 3,700 | 4,400 | 10,300 |
| Fewer than 10 | 14,500 | 800 | 2,800 | 2,500 | 8,400 |
| 10-19 | 5,700 | 2,400 | 800 | 1,400 | 1,100 |
| 20-29 | 2,900 | 1,700 | D | 500 | 500 |
| 30 or more | 900 | 600 | D | D | 300 |
| Male | 44,000 | 19,100 | 7,300 | 4,600 | 13,000 |
| Fewer than 10 | 19,100 | 1,800 | 5,700 | 2,100 | 9,500 |
| 10-19 | 11,100 | 6,500 | 1,400 | 1,400 | 1,700 |
| 20-29 | 8,100 | 6,500 | 100 | 700 | 800 |
| 30 or more | 5,800 | 4,200 | D | 500 | 1,100 |
| Computer and information scientist | 9,600 | 4,600 | 2,300 | 800 | 1,900 |
| Female | 1,600 | 700 | 400 | 200 | 300 |
| Fewer than 10 | 900 | 300 | 400 | 100 | 100 |
| 10-19 | 400 | 300 | D | D | D |
| 20-29 | 300 | 100 | D | D | D |
| 30 or more | D | D | D | D | D |
| Male | 8,000 | 3,900 | 1,900 | 600 | 1,600 |
| Fewer than 10 | 3,900 | 1,000 | 1,700 | 400 | 800 |
| 10-19 | 1,900 | 1,200 | 200 | 100 | 400 |

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2006

| Occupation, sex, and years since doctorate | Total | Tenured | Not tenured | | Tenure not applicable |
|--|--------|---------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| 20-29 | 1,400 | 1,000 | D | D | 300 |
| 30 or more | 800 | 700 | D | D | D |
| Mathematical scientist | 15,500 | 8,800 | 3,100 | 1,200 | 2,500 |
| Female | 3,600 | 1,300 | 1,100 | 500 | 700 |
| Fewer than 10 | 2,300 | 500 | 1,000 | 200 | 600 |
| 10-19 | 700 | 400 | D | 200 | D |
| 20-29 | 400 | 400 | D | D | D |
| 30 or more | 200 | 100 | D | D | D |
| Male | 11,900 | 7,400 | 2,000 | 700 | 1,700 |
| Fewer than 10 | 4,600 | 1,200 | 1,800 | 400 | 1,200 |
| 10-19 | 2,900 | 2,400 | 100 | 100 | 200 |
| 20-29 | 2,000 | 1,800 | D | D | 200 |
| 30 or more | 2,400 | 2,100 | D | D | 200 |
| Physical scientist | 33,500 | 16,400 | 5,900 | 3,000 | 8,300 |
| Female | 6,300 | 2,500 | 1,600 | 500 | 1,700 |
| Fewer than 10 | 3,700 | 600 | 1,500 | 300 | 1,300 |
| 10-19 | 1,700 | 1,300 | 100 | D | 200 |
| 20-29 | 600 | 400 | D | D | 100 |
| 30 or more | 300 | 200 | D | D | D |
| Male | 27,200 | 13,900 | 4,300 | 2,500 | 6,500 |
| Fewer than 10 | 10,700 | 1,900 | 3,600 | 1,100 | 4,100 |
| 10-19 | 6,600 | 4,500 | 500 | 500 | 1,100 |
| 20-29 | 4,900 | 3,600 | D | 400 | 800 |
| 30 or more | 4,900 | 3,900 | D | 500 | 500 |
| Psychologist | 25,200 | 10,700 | 4,300 | 3,200 | 7,000 |
| Female | 13,800 | 4,500 | 2,300 | 2,100 | 4,800 |
| Fewer than 10 | 7,800 | 1,200 | 2,000 | 1,600 | 3,000 |
| 10-19 | 3,500 | 1,500 | 300 | 300 | 1,400 |
| 20-29 | 1,900 | 1,200 | D | 200 | 400 |
| 30 or more | 600 | 500 | D | D | D |
| Male | 11,400 | 6,200 | 2,000 | 1,100 | 2,200 |
| Fewer than 10 | 3,900 | 700 | 1,700 | 500 | 1,000 |
| 10-19 | 2,500 | 1,400 | 200 | 300 | 600 |
| 20-29 | 2,600 | 2,000 | D | 300 | 300 |
| 30 or more | 2,400 | 2,000 | D | D | 300 |
| Social scientist | 39,000 | 23,300 | 7,500 | 3,300 | 4,900 |
| Female | 13,900 | 6,200 | 3,700 | 1,500 | 2,500 |
| Fewer than 10 | 8,100 | 1,600 | 3,600 | 1,200 | 1,800 |
| 10-19 | 3,200 | 2,400 | 100 | 200 | 400 |
| 20-29 | 2,200 | 1,700 | D | D | 300 |
| 30 or more | 400 | 400 | D | D | D |
| Male | 25,100 | 17,100 | 3,800 | 1,800 | 2,500 |
| Fewer than 10 | 8,900 | 2,900 | 3,600 | 1,100 | 1,300 |
| 10-19 | 6,000 | 5,100 | 100 | 300 | 400 |
| 20-29 | 6,600 | 6,000 | D | 200 | 400 |
| 30 or more | 3,700 | 3,100 | D | 300 | 300 |
| Engineer | 24,400 | 13,500 | 4,700 | 1,700 | 4,600 |
| Female | 2,900 | 1,000 | 800 | 300 | 800 |
| Fewer than 10 | 2,200 | 400 | 800 | 200 | 700 |
| 10-19 | 600 | 500 | D | D | D |
| 20-29 | 100 | 100 | D | D | D |
| 30 or more | * | * | * | * | * |
| Male | 21,500 | 12,500 | 3,800 | 1,400 | 3,800 |

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2006

| Occupation, sex, and years since doctorate | Total | Tenured | Not tenured | | Tenure not applicable |
|--|---------------|---------------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| Fewer than 10 | 8,300 | 1,900 | 3,200 | 800 | 2,500 |
| 10-19 | 6,000 | 4,900 | 500 | 200 | 400 |
| 20-29 | 4,000 | 3,400 | D | 100 | 400 |
| 30 or more | 3,100 | 2,400 | D | 300 | 400 |
| S&E related occupations | 25,200 | 9,900 | 4,600 | 4,000 | 6,700 |
| Female | 11,700 | 4,100 | 2,900 | 1,800 | 2,900 |
| Fewer than 10 | 6,400 | 1,300 | 2,200 | 1,000 | 1,800 |
| 10-19 | 3,800 | 1,900 | 600 | 500 | 800 |
| 20-29 | 1,300 | 700 | D | 200 | 200 |
| 30 or more | 300 | 200 | D | D | D |
| Male | 13,500 | 5,800 | 1,700 | 2,200 | 3,800 |
| Fewer than 10 | 4,900 | 700 | 1,300 | 800 | 2,000 |
| 10-19 | 3,300 | 1,500 | 400 | 600 | 800 |
| 20-29 | 3,100 | 2,000 | D | 500 | 600 |
| 30 or more | 2,200 | 1,500 | D | 300 | 400 |
| Non-S&E occupations | 28,800 | 15,100 | 3,600 | 2,800 | 7,400 |
| Female | 10,100 | 4,300 | 1,500 | 1,000 | 3,300 |
| Fewer than 10 | 4,300 | 1,000 | 1,300 | 500 | 1,500 |
| 10-19 | 3,000 | 1,600 | 100 | 300 | 1,000 |
| 20-29 | 1,900 | 1,200 | D | D | 500 |
| 30 or more | 900 | 600 | D | D | 200 |
| Male | 18,800 | 10,800 | 2,100 | 1,800 | 4,100 |
| Fewer than 10 | 4,600 | 900 | 1,800 | 500 | 1,300 |
| 10-19 | 4,000 | 2,700 | 200 | 400 | 700 |
| 20-29 | 6,100 | 4,500 | D | 500 | 1,100 |
| 30 or more | 4,100 | 2,600 | D | 400 | 1,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 50.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-28. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and tenure status: 2006

| Occupation, race/ethnicity, and years since doctorate | Total | Tenured | Not tenured | | Tenure not applicable |
|---|---------|---------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| All occupations | 269,400 | 126,700 | 47,100 | 29,100 | 66,600 |
| White | 209,600 | 105,200 | 34,300 | 23,000 | 47,100 |
| Fewer than 10 | 83,800 | 16,100 | 28,800 | 11,300 | 27,600 |
| 10-19 | 52,200 | 33,400 | 4,500 | 5,400 | 8,900 |
| 20-29 | 44,500 | 33,800 | 700 | 3,800 | 6,200 |
| 30 or more | 29,200 | 22,000 | 200 | 2,400 | 4,500 |
| Asian | 37,900 | 12,100 | 7,800 | 3,900 | 14,100 |
| Fewer than 10 | 23,600 | 2,500 | 6,800 | 2,400 | 11,900 |
| 10-19 | 8,800 | 5,300 | 800 | 1,100 | 1,600 |
| 20-29 | 3,300 | 2,600 | D | 200 | 400 |
| 30 or more | 2,300 | 1,700 | D | 300 | 200 |
| Black | 10,300 | 4,200 | 2,600 | 1,000 | 2,500 |
| Fewer than 10 | 5,600 | 1,000 | 2,300 | 700 | 1,700 |
| 10-19 | 2,700 | 1,800 | 300 | 200 | 500 |
| 20-29 | 1,400 | 1,100 | D | 100 | 200 |
| 30 or more | 500 | 300 | D | D | 100 |
| Hispanic | 9,300 | 3,900 | 1,900 | 1,000 | 2,400 |
| Fewer than 10 | 5,100 | 900 | 1,700 | 800 | 1,700 |
| 10-19 | 2,600 | 1,800 | 200 | 200 | 400 |
| 20-29 | 900 | 700 | D | D | 200 |
| 30 or more | 700 | 600 | D | D | D |
| American Indian/Alaska Native | 1,800 | 1,100 | 300 | 100 | 400 |
| Fewer than 10 | 700 | 200 | 300 | D | 200 |
| 10-19 | 400 | 300 | D | D | D |
| 20-29 | 400 | 300 | D | D | D |
| 30 or more | 300 | 300 | D | D | D |
| S&E occupations | 215,400 | 101,700 | 38,800 | 22,400 | 52,500 |
| White | 165,800 | 83,900 | 28,100 | 17,600 | 36,200 |
| Fewer than 10 | 68,900 | 12,900 | 23,800 | 9,200 | 22,900 |
| 10-19 | 40,800 | 26,900 | 3,600 | 4,100 | 6,300 |
| 20-29 | 33,500 | 26,300 | 500 | 2,700 | 4,100 |
| 30 or more | 22,500 | 17,700 | 100 | 1,600 | 3,000 |
| Asian | 32,500 | 10,500 | 6,800 | 3,100 | 12,200 |
| Fewer than 10 | 20,700 | 2,200 | 6,000 | 1,900 | 10,600 |
| 10-19 | 7,300 | 4,700 | 600 | 900 | 1,200 |
| 20-29 | 2,800 | 2,300 | D | 100 | 300 |
| 30 or more | 1,700 | 1,300 | D | 200 | D |
| Black | 7,600 | 3,100 | 2,000 | 700 | 1,800 |
| Fewer than 10 | 4,200 | 600 | 1,800 | 500 | 1,300 |
| 10-19 | 2,100 | 1,400 | 200 | 100 | 400 |
| 20-29 | 900 | 700 | D | D | 100 |
| 30 or more | 400 | 300 | D | D | D |
| Hispanic | 7,700 | 3,300 | 1,600 | 800 | 2,000 |
| Fewer than 10 | 4,200 | 700 | 1,400 | 700 | 1,500 |
| 10-19 | 2,100 | 1,500 | 200 | 100 | 300 |
| 20-29 | 700 | 500 | D | D | 100 |
| 30 or more | 600 | 500 | D | D | D |
| American Indian/Alaska Native | 1,500 | 900 | 300 | D | 200 |
| Fewer than 10 | 600 | 100 | 200 | D | 200 |
| 10-19 | 300 | 300 | D | D | D |
| 20-29 | 300 | 300 | D | D | D |
| 30 or more | 300 | 300 | D | D | D |
| S&E-related occupations | 25,200 | 9,900 | 4,600 | 4,000 | 6,700 |
| White | 20,200 | 8,600 | 3,600 | 3,100 | 4,900 |
| Fewer than 10 | 8,200 | 1,700 | 2,800 | 1,300 | 2,500 |
| 10-19 | 5,800 | 3,000 | 700 | 900 | 1,200 |

TABLE H-28. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and tenure status: 2006

| Occupation, race/ethnicity, and years since doctorate | Total | Tenured | Not tenured | | Tenure not applicable |
|---|--------|---------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| 20-29 | 4,000 | 2,500 | D | 600 | 800 |
| 30 or more | 2,200 | 1,500 | D | 300 | 400 |
| Asian | 3,000 | 600 | 500 | 600 | 1,400 |
| Fewer than 10 | 1,900 | 100 | 400 | 400 | 1,000 |
| 10-19 | 700 | 200 | 100 | 100 | 200 |
| 20-29 | 200 | D | D | D | D |
| 30 or more | 200 | 200 | D | D | D |
| Black | 1,100 | 400 | 400 | 100 | 200 |
| Fewer than 10 | 700 | 200 | 300 | 100 | 100 |
| 10-19 | 300 | 100 | D | D | D |
| 20-29 | 100 | 100 | D | D | D |
| 30 or more | D | D | D | D | D |
| Hispanic | 700 | 200 | 100 | 100 | 200 |
| Fewer than 10 | 400 | 100 | 100 | 100 | 200 |
| 10-19 | 200 | 100 | D | D | D |
| 20-29 | 100 | * | D | D | D |
| 30 or more | * | * | * | * | * |
| American Indian/Alaska Native | 100 | D | D | D | D |
| Fewer than 10 | D | D | D | D | D |
| 10-19 | D | D | D | D | D |
| 20-29 | * | * | * | * | * |
| 30 or more | * | * | * | * | * |
| Non-S&E occupations | 28,800 | 15,100 | 3,600 | 2,800 | 7,400 |
| White | 23,600 | 12,700 | 2,600 | 2,300 | 6,100 |
| Fewer than 10 | 6,600 | 1,500 | 2,200 | 800 | 2,200 |
| 10-19 | 5,500 | 3,400 | 200 | 500 | 1,400 |
| 20-29 | 7,000 | 5,000 | D | 600 | 1,400 |
| 30 or more | 4,400 | 2,800 | D | 500 | 1,100 |
| Asian | 2,400 | 1,100 | 500 | 200 | 600 |
| Fewer than 10 | 1,000 | 200 | 500 | 100 | 300 |
| 10-19 | 700 | 400 | D | D | 200 |
| 20-29 | 400 | 300 | D | D | D |
| 30 or more | 300 | 200 | D | D | D |
| Black | 1,600 | 700 | 300 | 200 | 500 |
| Fewer than 10 | 800 | 200 | 200 | 100 | 300 |
| 10-19 | 300 | 200 | D | D | 100 |
| 20-29 | 300 | 200 | D | D | D |
| 30 or more | 100 | 100 | D | D | D |
| Hispanic | 1,000 | 500 | 200 | 100 | 200 |
| Fewer than 10 | 400 | 100 | 200 | D | 100 |
| 10-19 | 300 | 200 | D | D | 100 |
| 20-29 | 100 | 100 | D | D | D |
| 30 or more | 100 | D | D | D | D |
| American Indian/Alaska Native | 300 | D | D | D | D |
| Fewer than 10 | D | D | D | D | D |
| 10-19 | D | D | D | D | D |
| 20-29 | D | D | D | D | D |
| 30 or more | * | * | * | * | * |

D = suppressed for data confidentiality reasons.

* = estimate less than 50.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-29. S&E doctorate holders employed in universities and 4-year colleges, by occupation, disability status, and tenure status: 2006

| Occupation and disability status | Total | Tenured | Not tenured | | Tenure not applicable |
|------------------------------------|---------|---------|-----------------|---------------------|-----------------------|
| | | | On tenure track | Not on tenure track | |
| All occupations | 269,400 | 126,700 | 47,100 | 29,100 | 66,600 |
| No disability | 250,900 | 116,100 | 45,100 | 27,000 | 62,600 |
| With disability | 18,500 | 10,500 | 2,000 | 2,000 | 3,900 |
| S&E occupations | 215,400 | 101,700 | 38,800 | 22,400 | 52,500 |
| No disability | 201,400 | 93,600 | 37,300 | 21,000 | 49,600 |
| With disability | 14,000 | 8,200 | 1,500 | 1,400 | 2,900 |
| Scientist | 190,900 | 88,200 | 34,200 | 20,700 | 47,900 |
| No disability | 178,500 | 81,100 | 32,700 | 19,400 | 45,200 |
| With disability | 12,500 | 7,200 | 1,400 | 1,200 | 2,700 |
| Biological/life scientist | 68,000 | 24,500 | 11,100 | 9,100 | 23,300 |
| No disability | 64,100 | 22,700 | 10,700 | 8,600 | 22,100 |
| With disability | 3,900 | 1,900 | 400 | 400 | 1,200 |
| Computer and information scientist | 9,600 | 4,600 | 2,300 | 800 | 1,900 |
| No disability | 9,200 | 4,300 | 2,200 | 700 | 1,900 |
| With disability | 500 | 300 | 100 | D | D |
| Mathematical scientist | 15,500 | 8,800 | 3,100 | 1,200 | 2,500 |
| No disability | 14,300 | 7,900 | 2,900 | 1,200 | 2,300 |
| With disability | 1,200 | 900 | 100 | D | 200 |
| Physical scientist | 33,500 | 16,400 | 5,900 | 3,000 | 8,300 |
| No disability | 31,700 | 15,300 | 5,700 | 2,700 | 7,900 |
| With disability | 1,900 | 1,000 | 200 | 300 | 400 |
| Psychologist | 25,200 | 10,700 | 4,300 | 3,200 | 7,000 |
| No disability | 23,600 | 10,000 | 4,000 | 3,000 | 6,600 |
| With disability | 1,600 | 700 | 200 | 200 | 400 |
| Social scientist | 39,000 | 23,300 | 7,500 | 3,300 | 4,900 |
| No disability | 35,600 | 20,900 | 7,200 | 3,100 | 4,400 |
| With disability | 3,400 | 2,400 | 300 | 200 | 500 |
| Engineer | 24,400 | 13,500 | 4,700 | 1,700 | 4,600 |
| No disability | 22,900 | 12,500 | 4,600 | 1,500 | 4,300 |
| With disability | 1,500 | 1,000 | 100 | 200 | 200 |
| S&E related occupations | 25,200 | 9,900 | 4,600 | 4,000 | 6,700 |
| No disability | 23,400 | 8,900 | 4,500 | 3,700 | 6,300 |
| With disability | 1,800 | 1,000 | 200 | 200 | 400 |
| Non-S&E occupations | 28,800 | 15,100 | 3,600 | 2,800 | 7,400 |
| No disability | 26,200 | 13,700 | 3,300 | 2,400 | 6,800 |
| With disability | 2,700 | 1,400 | 300 | 400 | 600 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-30. Percentage of full-time ranked S&E doctorate holders employed in 4-year colleges or universities who are supported by federal grants or contracts, by occupation, sex, race/ethnicity, and disability status: 2006
(Percent)

| Occupation | Race/ethnicity | | | | | | | | | |
|------------------------------------|----------------|--------|--------|----------------|--------|-------|----------|-----------------------------------|-------------------|-----------------|
| | Total | Sex | | Race/ethnicity | | | | | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | American Indian/ Alaska Native | No disability | With disability |
| All occupations (number) | 94,200 | 26,500 | 67,700 | 74,400 | 12,600 | 3,200 | 3,400 | 500 | 88,300 | 5,900 |
| All occupations | 46.7 | 42.9 | 48.3 | 45.9 | 53.5 | 41.3 | 50.7 | 35.0 | 46.9 | 42.7 |
| S&E occupations | 48.4 | 45.5 | 49.6 | 47.6 | 56.0 | 39.9 | 51.7 | 34.4 | 48.7 | 43.9 |
| Scientist | 46.5 | 44.3 | 47.5 | 46.0 | 54.1 | 34.1 | 50.8 | 33.1 | 46.8 | 42.3 |
| Biological/life scientist | 66.1 | 65.5 | 66.4 | 64.9 | 73.4 | 60.6 | 77.7 | 52.7 | 66.4 | 62.6 |
| Computer and information scientist | 41.3 | 35.8 | 42.3 | 38.0 | 47.8 | 48.0 | 50.2 | D | 41.2 | 42.4 |
| Mathematical scientist | 40.2 | 47.6 | 37.9 | 37.5 | 48.9 | 31.9 | 58.2 | D | 40.9 | 32.2 |
| Physical scientist | 53.6 | 51.2 | 54.1 | 53.4 | 56.2 | 47.1 | 60.0 | D | 53.8 | 50.6 |
| Psychologist | 35.3 | 34.4 | 36.2 | 36.1 | 37.0 | 21.1 | 28.1 | 50.7 | 35.1 | 38.5 |
| Social scientist | 24.2 | 23.7 | 24.5 | 24.9 | 24.1 | 19.2 | 20.5 | D | 24.2 | 24.2 |
| Engineer | 62.2 | 69.0 | 61.3 | 61.6 | 62.6 | 73.5 | 58.4 | D | 62.6 | 56.2 |
| S&E-related occupations | 49.2 | 40.9 | 56.5 | 48.2 | 47.2 | 58.9 | 65.6 | D | 49.0 | 51.0 |
| Non-S&E occupations | 31.0 | 29.1 | 32.0 | 30.9 | 30.9 | 33.2 | 32.0 | D | 31.1 | 30.1 |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." S&E doctorate holders refer to all persons with doctorate degrees in science, engineering, or health fields from U.S. universities. This table excludes those who reported that faculty rank was not applicable for their position or was not applicable at their institution.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2006.

TABLE H-31. Full-time natural science and engineering doctorate holders employed in 4-year colleges or universities, by sex, race/ethnicity, disability status, and number of refereed publications and patents since 1998: 2003

| Sex, race/ethnicity, and disability status | Publications since 1998 | | | | | | Patents since 1998 | | |
|--|-------------------------|--------|--------|--------|--------|--------|--------------------|---------|-----------|
| | Total | None | 1 or 2 | 3-5 | 6-10 | 11-20 | More than 20 | None | 1 or more |
| Total | 357,900 | 30,400 | 26,500 | 41,800 | 71,500 | 83,800 | 103,800 | 326,200 | 31,700 |
| Female | 110,300 | 10,800 | 10,800 | 14,400 | 24,000 | 26,100 | 24,200 | 104,200 | 6,000 |
| Male | 247,600 | 19,700 | 15,700 | 27,400 | 47,500 | 57,700 | 79,500 | 222,000 | 25,600 |
| White | 270,200 | 23,900 | 19,900 | 30,800 | 53,500 | 61,300 | 80,900 | 246,800 | 23,500 |
| Asian | 55,100 | 3,800 | 2,100 | 5,800 | 12,000 | 15,400 | 16,100 | 48,400 | 6,700 |
| Black | 16,500 | 1,600 | 3,400 | 3,400 | 3,300 | 2,600 | 2,200 | 16,100 | 400 |
| Hispanic | 12,900 | 1,000 | 900 | 1,700 | 2,100 | 3,500 | 3,700 | 12,100 | 800 |
| American Indian/Alaskan Native | 2,100 | S | 100 | 100 | 300 | 800 | 700 | 1,900 | 200 |
| No disability | 333,500 | 27,700 | 25,400 | 39,000 | 66,400 | 79,300 | 95,700 | 304,400 | 29,100 |
| With disability | 24,400 | 2,800 | 1,100 | 2,800 | 5,100 | 4,500 | 8,100 | 21,800 | 2,500 |

S = suppressed for data reliability reasons.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Natural sciences includes biological, computer, mathematical, and physical sciences. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." The questions on publications and patents were not asked in 2006.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-32. Scientists and engineers employed in government, by managerial status, age, sex, race/ethnicity, and disability status: 2006

| Primary or secondary work activity and age (years) | Race/ethnicity | | | | | | | | | | |
|---|----------------|---------|-----------|----------------|---------|---------|----------|-----------------------------------|------------------|--------------------|--|
| | Total | Sex | | Race/ethnicity | | | | | | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | American Indian/ Alaska Native | No disability | With disability | |
| 75 and younger | 2,228,000 | 938,000 | 1,290,000 | 1,617,000 | 170,000 | 233,000 | 139,000 | 15,000 | 2,050,000 | 178,000 | |
| Managers | 933,000 | 338,000 | 594,000 | 699,000 | 53,000 | 96,000 | 54,000 | 8,000 | 869,000 | 64,000 | |
| Nonmanagers | 1,295,000 | 600,000 | 696,000 | 918,000 | 117,000 | 137,000 | 85,000 | 6,000 | 1,181,000 | 114,000 | |
| Percent who are managers | 41.9 | 36.1 | 46.1 | 43.2 | 31.2 | 41.2 | 38.8 | 57.2 | 42.4 | 35.9 | |
| Younger than 35 | 457,000 | 223,000 | 233,000 | 327,000 | 37,000 | 44,000 | 30,000 | 3,000 | 449,000 | 8,000 | |
| Managers | 138,000 | 61,000 | 77,000 | 103,000 | 8,000 | 11,000 | 8,000 | 1,000 | 135,000 | 3,000 | |
| Nonmanagers | 319,000 | 163,000 | 156,000 | 224,000 | 29,000 | 32,000 | 22,000 | 1,000 | 314,000 | 5,000 | |
| Percent who are managers | 30.2 | 27.1 | 33.2 | 31.6 | 22.8 | 25.6 | 27.3 | 56.8 | 30.1 | 38.3 | |
| 35-44 | 572,000 | 235,000 | 337,000 | 392,000 | 49,000 | 64,000 | 49,000 | 3,000 | 549,000 | 23,000 | |
| Managers | 247,000 | 90,000 | 157,000 | 176,000 | 17,000 | 30,000 | 17,000 | 3,000 | 239,000 | 8,000 | |
| Nonmanagers | 325,000 | 145,000 | 180,000 | 216,000 | 32,000 | 34,000 | 33,000 | * | 310,000 | 15,000 | |
| Percent who are managers | 43.2 | 38.4 | 46.6 | 44.9 | 34.2 | 47.5 | 33.6 | 93.2 | 43.6 | 34.8 | |
| 45-54 | 718,000 | 312,000 | 405,000 | 524,000 | 50,000 | 82,000 | 43,000 | 6,000 | 641,000 | 77,000 | |
| Managers | 329,000 | 127,000 | 202,000 | 250,000 | 14,000 | 35,000 | 21,000 | 3,000 | 301,000 | 28,000 | |
| Nonmanagers | 389,000 | 186,000 | 203,000 | 274,000 | 35,000 | 48,000 | 22,000 | 4,000 | 340,000 | 49,000 | |
| Percent who are managers | 45.8 | 40.6 | 49.9 | 47.6 | 29.1 | 42.0 | 48.2 | 45.6 | 46.9 | 36.4 | |
| 55-75 | 482,000 | 167,000 | 315,000 | 373,000 | 34,000 | 43,000 | 18,000 | 3,000 | 412,000 | 70,000 | |
| Managers | 219,000 | 61,000 | 158,000 | 170,000 | 13,000 | 20,000 | 9,000 | 1,000 | 194,000 | 25,000 | |
| Nonmanagers | 263,000 | 106,000 | 157,000 | 204,000 | 21,000 | 23,000 | 9,000 | 1,000 | 218,000 | 45,000 | |
| Percent who are managers | 45.4 | 36.4 | 50.2 | 45.4 | 38.9 | 46.2 | 49.7 | 46.4 | 47.1 | 35.6 | |

* = estimate less than 500.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Managers include anyone who reported management as either a primary or secondary work activity. Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-33. Primary or secondary work activity of scientists and engineers employed in business or industry, by age, sex, race/ethnicity, and disability status: 2006

| Age (years) and work activity | Race/ethnicity | | | | | | | | | |
|-------------------------------|----------------|-----------|-----------|----------------|-----------|---------|----------|-----------------------------------|-------------------|-----------------|
| | Total | Sex | | Race/ethnicity | | | | | Disability status | |
| | | Female | Male | White | Asian | Black | Hispanic | American Indian/ Alaska Native | No disability | With disability |
| 75 and younger | 9,978,000 | 3,396,000 | 6,582,000 | 7,571,000 | 1,256,000 | 439,000 | 505,000 | 31,000 | 9,397,000 | 581,000 |
| Computer applications | 1,501,000 | 343,000 | 1,159,000 | 1,020,000 | 336,000 | 58,000 | 57,000 | 3,000 | 1,415,000 | 86,000 |
| Management/administration | 3,948,000 | 1,112,000 | 2,836,000 | 3,142,000 | 373,000 | 164,000 | 188,000 | 14,000 | 3,755,000 | 193,000 |
| Research and development | 1,977,000 | 569,000 | 1,408,000 | 1,406,000 | 338,000 | 88,000 | 103,000 | 9,000 | 1,859,000 | 118,000 |
| Teaching | 499,000 | 295,000 | 203,000 | 382,000 | 45,000 | 34,000 | 26,000 | 1,000 | 468,000 | 31,000 |
| Other | 8,241,000 | 2,942,000 | 5,299,000 | 6,366,000 | 913,000 | 360,000 | 427,000 | 27,000 | 7,758,000 | 483,000 |
| Younger than 35 | 2,541,000 | 1,083,000 | 1,458,000 | 1,732,000 | 434,000 | 122,000 | 174,000 | 8,000 | 2,479,000 | 62,000 |
| Computer applications | 436,000 | 104,000 | 332,000 | 244,000 | 145,000 | 15,000 | 20,000 | 1,000 | 426,000 | 10,000 |
| Management/administration | 838,000 | 310,000 | 528,000 | 595,000 | 116,000 | 38,000 | 62,000 | 2,000 | 818,000 | 20,000 |
| Research and development | 631,000 | 232,000 | 399,000 | 391,000 | 146,000 | 33,000 | 44,000 | 3,000 | 616,000 | 15,000 |
| Teaching | 133,000 | 90,000 | 43,000 | 98,000 | 13,000 | 9,000 | 9,000 | D | 129,000 | 5,000 |
| Other | 1,978,000 | 901,000 | 1,076,000 | 1,396,000 | 288,000 | 92,000 | 136,000 | 6,000 | 1,928,000 | 49,000 |
| 35-44 | 2,989,000 | 1,023,000 | 1,965,000 | 2,213,000 | 414,000 | 136,000 | 163,000 | 10,000 | 2,886,000 | 103,000 |
| Computer applications | 536,000 | 120,000 | 416,000 | 355,000 | 128,000 | 21,000 | 21,000 | * | 513,000 | 23,000 |
| Management/administration | 1,287,000 | 368,000 | 919,000 | 1,010,000 | 130,000 | 53,000 | 67,000 | 6,000 | 1,250,000 | 37,000 |
| Research and development | 605,000 | 182,000 | 423,000 | 424,000 | 112,000 | 25,000 | 32,000 | 1,000 | 585,000 | 20,000 |
| Teaching | 149,000 | 86,000 | 63,000 | 115,000 | 13,000 | 8,000 | 10,000 | D | 145,000 | 4,000 |
| Other | 2,389,000 | 864,000 | 1,525,000 | 1,803,000 | 286,000 | 112,000 | 133,000 | 9,000 | 2,310,000 | 79,000 |
| 45-54 | 2,712,000 | 875,000 | 1,837,000 | 2,168,000 | 259,000 | 134,000 | 115,000 | 8,000 | 2,484,000 | 228,000 |
| Computer applications | 373,000 | 89,000 | 284,000 | 293,000 | 46,000 | 17,000 | 12,000 | D | 339,000 | 34,000 |
| Management/administration | 1,165,000 | 302,000 | 862,000 | 968,000 | 84,000 | 55,000 | 44,000 | 4,000 | 1,087,000 | 78,000 |
| Research and development | 482,000 | 112,000 | 370,000 | 381,000 | 54,000 | 20,000 | 17,000 | 4,000 | 434,000 | 48,000 |
| Teaching | 121,000 | 73,000 | 48,000 | 93,000 | 12,000 | 11,000 | 4,000 | D | 110,000 | 11,000 |
| Other | 2,264,000 | 769,000 | 1,494,000 | 1,823,000 | 202,000 | 108,000 | 102,000 | 5,000 | 2,077,000 | 187,000 |
| 55-75 | 1,736,000 | 414,000 | 1,322,000 | 1,458,000 | 150,000 | 47,000 | 52,000 | 6,000 | 1,547,000 | 189,000 |
| Computer applications | 156,000 | 30,000 | 127,000 | 128,000 | 18,000 | 4,000 | 3,000 | D | 137,000 | 19,000 |
| Management/administration | 658,000 | 132,000 | 526,000 | 569,000 | 43,000 | 18,000 | 16,000 | 2,000 | 600,000 | 58,000 |
| Research and development | 260,000 | 43,000 | 217,000 | 210,000 | 26,000 | 9,000 | 11,000 | 1,000 | 225,000 | 36,000 |
| Teaching | 95,000 | 46,000 | 48,000 | 76,000 | 8,000 | 6,000 | 3,000 | D | 84,000 | 11,000 |
| Other | 1,522,000 | 369,000 | 1,153,000 | 1,286,000 | 124,000 | 40,000 | 46,000 | 6,000 | 1,357,000 | 165,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Sum of primary/secondary work activity categories exceeds total because of multiple response. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-34. Scientists and engineers employed in business or industry, by managerial occupation, sex, race/ethnicity, and disability status: 2006

| Sex, race/ethnicity, and disability status | All occupations | All managers | S&E managers | | | | | Non-S&E managers | | | | |
|--|-----------------|--------------|------------------|---|----------------------|--------------------------------------|---------------------------|----------------------|--|--------------------------|--------------------------|--------------|
| | | | All S&E managers | Computer and information systems managers | Engineering managers | Medical and health services managers | Natural sciences managers | All non-S&E managers | Top-level managers, executives, administrators | Education administrators | Other mid-level managers | Non-managers |
| Total | 9,978,000 | 954,000 | 241,000 | 99,000 | 101,000 | 33,000 | 8,000 | 713,000 | 544,000 | 1,000 | 168,000 | 9,024,000 |
| Female | 3,396,000 | 181,000 | 52,000 | 21,000 | 8,000 | 21,000 | 1,000 | 129,000 | 81,000 | D | 47,000 | 3,215,000 |
| Male | 6,582,000 | 773,000 | 189,000 | 77,000 | 93,000 | 12,000 | 7,000 | 584,000 | 462,000 | D | 121,000 | 5,809,000 |
| White | 7,571,000 | 791,000 | 191,000 | 72,000 | 89,000 | 25,000 | 5,000 | 600,000 | 455,000 | 1,000 | 143,000 | 6,780,000 |
| Asian | 1,256,000 | 77,000 | 25,000 | 13,000 | 7,000 | 3,000 | 1,000 | 52,000 | 43,000 | D | 9,000 | 1,179,000 |
| Black | 439,000 | 32,000 | 11,000 | 7,000 | 1,000 | 2,000 | D | 22,000 | 14,000 | D | 8,000 | 407,000 |
| Hispanic | 505,000 | 38,000 | 11,000 | 5,000 | 4,000 | 1,000 | * | 27,000 | 22,000 | D | 5,000 | 467,000 |
| American Indian/Alaska Native | 31,000 | 5,000 | 1,000 | D | D | D | D | 4,000 | 2,000 | D | D | 26,000 |
| No disability | 9,397,000 | 897,000 | 230,000 | 95,000 | 96,000 | 31,000 | 8,000 | 667,000 | 509,000 | 1,000 | 157,000 | 8,499,000 |
| With disability | 581,000 | 57,000 | 10,000 | 3,000 | 6,000 | D | D | 47,000 | 35,000 | D | 11,000 | 524,000 |

D = suppressed for data confidentiality reasons.

* = estimate less than 500.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-35. Scientists and engineers employed full time in business or industry, by occupation, publications since 1998, applications for U.S. patents since 1998, sex, race/ethnicity, and disability status: 2003

| Occupation, publications, and patents | Total | Sex | | Race/ethnicity | | | | | Disability status | |
|---|-----------|-----------|-----------|----------------|-----------|---------|----------|--------------------------|-------------------|-----------------|
| | | Female | Male | White | Asian | Black | Hispanic | American | No disability | With disability |
| | | | | | | | | Indian/ Alaska Native | | |
| Publications since 1998 | | | | | | | | | | |
| All occupations | 8,850,100 | 2,611,800 | 6,238,300 | 6,772,600 | 1,055,700 | 398,700 | 453,600 | 29,800 | 8,433,200 | 416,900 |
| None | 7,407,500 | 2,286,700 | 5,120,800 | 5,640,800 | 887,600 | 345,500 | 391,800 | 24,200 | 7,053,700 | 353,800 |
| 1 or 2 | 645,400 | 163,400 | 482,000 | 515,100 | 72,300 | 24,500 | 25,200 | 2,100 | 614,500 | 30,900 |
| 3 to 5 | 371,800 | 73,600 | 298,200 | 282,100 | 47,700 | 15,900 | 17,500 | 1,800 | 354,200 | 17,600 |
| 6 to 10 | 221,200 | 59,400 | 161,900 | 170,500 | 26,400 | 7,000 | 9,300 | 700 | 214,100 | 7,100 |
| 11 to 20 | 128,000 | 16,600 | 111,300 | 105,000 | 13,800 | 2,900 | 4,900 | S | 123,900 | 4,000 |
| More than 20 | 76,100 | 12,100 | 64,000 | 59,000 | 7,900 | 3,000 | 5,000 | S | 72,800 | 3,400 |
| Patents since 1998 | | | | | | | | | | |
| All natural scientists and engineers ^a | 2,879,400 | 546,900 | 2,332,400 | 2,115,700 | 475,600 | 117,400 | 121,100 | 7,200 | 2,750,100 | 129,300 |
| None | 2,610,900 | 521,400 | 2,089,500 | 1,910,600 | 427,600 | 113,000 | 113,600 | 6,700 | 2,493,200 | 117,700 |
| 1 or more | 268,500 | 25,500 | 242,900 | 205,100 | 48,100 | 4,400 | 7,500 | 500 | 256,900 | 11,600 |
| Biological/life scientist | 119,000 | 49,000 | 69,900 | 88,900 | 18,400 | 4,500 | 6,200 | 200 | 113,500 | 5,500 |
| None | 100,800 | 43,600 | 57,200 | 76,300 | 13,500 | 4,300 | 5,800 | S | 96,000 | 4,800 |
| 1 or more | 18,100 | 5,400 | 12,700 | 12,600 | 4,900 | 200 | 400 | S | 17,400 | 700 |
| Computer and information scientist | 1,398,700 | 330,200 | 1,068,500 | 971,200 | 285,900 | 68,400 | 49,400 | 2,800 | 1,337,500 | 61,200 |
| None | 1,325,000 | 321,800 | 1,003,200 | 916,100 | 272,500 | 66,400 | 47,900 | 2,700 | 1,266,900 | 58,100 |
| 1 or more | 73,700 | 8,400 | 65,300 | 55,100 | 13,400 | 2,000 | 1,500 | S | 70,600 | 3,100 |
| Engineer | 1,174,800 | 113,100 | 1,061,800 | 909,900 | 146,800 | 38,700 | 58,400 | 3,500 | 1,120,200 | 54,600 |
| None | 1,027,000 | 105,500 | 921,500 | 793,600 | 123,300 | 37,200 | 53,200 | 3,200 | 979,600 | 47,400 |
| 1 or more | 147,800 | 7,500 | 140,300 | 116,300 | 23,500 | 1,400 | 5,200 | S | 140,700 | 7,200 |
| Mathematical scientist | 30,600 | 8,800 | 21,700 | 25,000 | 3,600 | 1,200 | 300 | S | 28,600 | 2,000 |
| None | 29,100 | 8,800 | 20,300 | 23,700 | 3,400 | 1,200 | 200 | S | 27,200 | 1,900 |
| 1 or more | 1,500 | 100 | 1,400 | 1,200 | 200 | S | S | S | 1,400 | S |
| Physical scientist | 156,300 | 45,800 | 110,500 | 120,600 | 21,000 | 4,500 | 6,900 | 800 | 150,200 | 6,100 |
| None | 129,000 | 41,700 | 87,300 | 100,800 | 14,900 | 3,800 | 6,500 | 700 | 123,500 | 5,500 |
| 1 or more | 27,300 | 4,200 | 23,100 | 19,800 | 6,100 | 700 | 400 | S | 26,700 | 600 |

S = suppressed for data reliability reasons.

^a The prevalence of patents by social scientists was so low they were excluded from this analysis, as were those in S&E-related and non-S&E occupations.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." The questions on publications and patents were not asked in 2006.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-36. Demographic characteristics of employed scientists and engineers, by sex: 2006
(Percent distribution)

| Demographic characteristic | Both sexes | Female | Male |
|--|------------|-----------|------------|
| Employed scientists and engineers (number) | 18,927,000 | 8,244,000 | 10,683,000 |
| Age in 2006 (years) | 100.0 | 100.0 | 100.0 |
| 29 and younger | 16.7 | 20.8 | 13.6 |
| 30-39 | 26.3 | 26.3 | 26.2 |
| 40-49 | 28.5 | 28.7 | 28.4 |
| 50-75 | 28.5 | 24.2 | 31.8 |
| Race/ethnicity | 100.0 | 100.0 | 100.0 |
| White | 76.5 | 74.5 | 78.0 |
| Asian | 10.2 | 9.7 | 10.6 |
| Black | 5.7 | 7.5 | 4.3 |
| Hispanic | 5.4 | 5.9 | 5.1 |
| American Indian/Alaska Native | 0.4 | 0.5 | 0.4 |
| Other race/ethnicity ^a | 1.8 | 1.9 | 1.7 |
| Disability status | 100.0 | 100.0 | 100.0 |
| No disability | 93.5 | 93.9 | 93.1 |
| With disability | 6.5 | 6.1 | 6.9 |
| Marital status | 100.0 | 100.0 | 100.0 |
| Married | 74.8 | 68.3 | 79.9 |
| Widowed | 1.1 | 1.8 | 0.6 |
| Separated | 1.1 | 1.4 | 0.9 |
| Divorced | 6.9 | 9.4 | 5.0 |
| Never married | 16.0 | 19.1 | 13.6 |
| Children living in household | 100.0 | 100.0 | 100.0 |
| No | 48.7 | 50.9 | 47.0 |
| Yes | 51.3 | 49.1 | 53.0 |
| Citizenship | 100.0 | 100.0 | 100.0 |
| U.S. citizen | 94.8 | 96.0 | 93.9 |
| Native | 84.2 | 85.6 | 83.1 |
| Naturalized | 10.6 | 10.4 | 10.7 |
| Non-U.S. citizen | 5.2 | 4.0 | 6.2 |
| Permanent resident | 3.9 | 3.1 | 4.5 |
| Temporary resident | 1.3 | 0.9 | 1.7 |

^a Includes Native Hawaiian/Other Pacific Islander and multiple race.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-37. Demographic characteristics of employed scientists and engineers, by race/ethnicity and sex: 2006

| Demographic characteristic | All races/ethnicities | | | White | | | Asian | | | Black | | | Hispanic | | | American Indian/ Alaska Native | | |
|--|-----------------------|-----------|------------|------------|-----------|-----------|-----------|---------|-----------|-----------|---------|---------|-----------|---------|---------|-----------------------------------|--------|--------|
| | Total | Female | Male | Total | Female | Male | Total | Female | Male | Total | Female | Male | Total | Female | Male | Total | Female | Male |
| Employed scientists and engineers (number) | 18,927,000 | 8,244,000 | 10,683,000 | 14,472,000 | 6,139,000 | 8,332,000 | 1,934,000 | 801,000 | 1,132,000 | 1,075,000 | 617,000 | 458,000 | 1,027,000 | 485,000 | 541,000 | 84,000 | 43,000 | 41,000 |
| Age in 2006 (years) | 100.0 | 100.0 | 100.0 | 100.0 | 100.1 | 100.0 | 100.1 | 100.0 | 100.0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 29 and younger | 16.7 | 20.8 | 13.6 | 15.2 | 19.7 | 11.9 | 23.9 | 25.7 | 22.6 | 16.1 | 18.9 | 12.3 | 21.9 | 26.1 | 18.2 | 12.5 | 15.2 | 9.5 |
| 30-39 | 26.3 | 26.3 | 26.2 | 25.0 | 25.4 | 24.6 | 31.7 | 30.3 | 32.7 | 28.1 | 27.7 | 28.8 | 30.9 | 29.5 | 32.1 | 25.2 | 25.9 | 24.4 |
| 40-49 | 28.5 | 28.7 | 28.4 | 28.9 | 28.9 | 28.9 | 25.1 | 26.7 | 23.9 | 31.0 | 30.0 | 32.3 | 29.2 | 29.1 | 29.4 | 35.1 | 37.7 | 32.4 |
| 50-75 | 28.5 | 24.2 | 31.8 | 30.9 | 26.1 | 34.6 | 19.4 | 17.3 | 20.8 | 24.7 | 23.4 | 26.6 | 18.0 | 15.3 | 20.3 | 27.2 | 21.2 | 33.7 |
| Disability status | | | | | | | | | | | | | | | | | | |
| No disability | 93.5 | 93.9 | 93.1 | 93.6 | 94.4 | 93.1 | 93.5 | 92.9 | 94.0 | 92.5 | 91.8 | 93.5 | 92.7 | 92.6 | 92.8 | 88.1 | 88.2 | 88.1 |
| With disability | 6.5 | 6.1 | 6.9 | 6.4 | 5.6 | 6.9 | 6.5 | 7.1 | 6.0 | 7.5 | 8.2 | 6.5 | 7.3 | 7.4 | 7.2 | 11.9 | 11.8 | 11.9 |
| Marital status | | | | | | | | | | | | | | | | | | |
| Married | 74.8 | 68.3 | 79.9 | 76.7 | 70.4 | 81.3 | 73.7 | 70.5 | 76.0 | 58.1 | 47.9 | 71.8 | 70.0 | 64.8 | 74.6 | 79.0 | 69.4 | 89.1 |
| Widowed | 1.1 | 1.8 | 0.6 | 1.1 | 1.7 | 0.6 | 0.9 | 1.5 | 0.5 | 1.7 | 2.6 | 0.6 | 1.1 | 2.0 | 0.3 | 0.7 | D | D |
| Separated | 1.1 | 1.4 | 0.9 | 1.1 | 1.2 | 0.9 | 0.9 | 1.2 | 0.6 | 2.3 | 3.2 | 1.1 | 1.8 | 2.1 | 1.5 | D | D | D |
| Divorced | 6.9 | 9.4 | 5.0 | 7.0 | 9.5 | 5.2 | 3.1 | 4.7 | 2.0 | 12.0 | 15.4 | 7.4 | 7.2 | 8.9 | 5.6 | 7.7 | 9.3 | 5.9 |
| Never married | 16.0 | 19.1 | 13.6 | 14.2 | 17.2 | 11.9 | 21.4 | 22.0 | 21.0 | 25.9 | 31.0 | 19.0 | 19.9 | 22.1 | 17.9 | 12.3 | 19.6 | 4.6 |
| Children living in household | | | | | | | | | | | | | | | | | | |
| No | 48.7 | 50.9 | 47.0 | 49.6 | 52.3 | 47.6 | 45.3 | 45.6 | 45.1 | 46.2 | 47.9 | 44.1 | 44.7 | 45.2 | 44.2 | 45.9 | 44.4 | 47.5 |
| Yes | 51.3 | 49.1 | 53.0 | 50.4 | 47.7 | 52.4 | 54.7 | 54.4 | 54.9 | 53.8 | 52.1 | 55.9 | 55.3 | 54.8 | 55.8 | 54.1 | 55.6 | 52.5 |
| Citizenship | | | | | | | | | | | | | | | | | | |
| U.S. citizen | 94.8 | 96.0 | 93.9 | 98.0 | 98.4 | 97.7 | 72.6 | 78.3 | 68.5 | 95.7 | 96.8 | 94.2 | 90.0 | 93.1 | 87.1 | 100.0 | 100.0 | 100.0 |
| Native | 84.2 | 85.6 | 83.1 | 94.1 | 95.0 | 93.5 | 18.5 | 20.0 | 17.5 | 84.7 | 87.8 | 80.5 | 66.5 | 71.3 | 62.2 | 97.9 | 98.9 | 96.9 |
| Naturalized | 10.6 | 10.4 | 10.7 | 3.8 | 3.4 | 4.2 | 54.0 | 58.2 | 51.0 | 11.0 | 9.0 | 13.8 | 23.5 | 21.8 | 25.0 | 2.0 | D | 3.1 |
| Non-U.S. citizen | 5.2 | 4.0 | 6.1 | 2.0 | 1.6 | 2.3 | 27.4 | 21.7 | 31.5 | 4.3 | 3.2 | 5.8 | 10.0 | 6.9 | 12.9 | D | D | D |
| Permanent resident | 3.9 | 3.1 | 4.5 | 1.7 | 1.3 | 1.9 | 18.5 | 15.5 | 20.5 | 3.5 | 2.7 | 4.5 | 8.5 | 5.9 | 10.9 | D | D | D |
| Temporary resident | 1.3 | 0.9 | 1.7 | 0.4 | 0.3 | 0.4 | 9.0 | 6.2 | 10.9 | 0.8 | 0.4 | 1.2 | 1.5 | 1.0 | 2.0 | D | D | D |

D = suppressed for data confidentiality reasons.

NOTES: Numbers rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-38. Demographic characteristics of employed scientists and engineers, by disability status and sex: 2006
(Percent distribution)

| Demographic characteristic | Total | | | No disability | | | With disability | | |
|--|------------|-----------|------------|---------------|-----------|-----------|-----------------|---------|---------|
| | Both sexes | Female | Male | Both sexes | Female | Male | Both sexes | Female | Male |
| Employed scientists and engineers (number) | 18,927,000 | 8,244,000 | 10,683,000 | 17,692,000 | 7,741,000 | 9,951,000 | 1,235,000 | 503,000 | 732,000 |
| Age in 2006 (years) | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 29 and younger | 16.7 | 20.8 | 13.6 | 17.5 | 21.7 | 14.2 | 5.8 | 7.0 | 5.0 |
| 30-39 | 26.3 | 26.3 | 26.2 | 27.3 | 27.2 | 27.3 | 12.0 | 13.4 | 11.1 |
| 40-49 | 28.5 | 28.7 | 28.4 | 28.2 | 28.1 | 28.3 | 32.6 | 37.2 | 29.4 |
| 50-75 | 28.5 | 24.2 | 31.8 | 27.0 | 23.0 | 30.2 | 49.6 | 42.5 | 54.5 |
| Race/ethnicity | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| White | 76.5 | 74.5 | 78.0 | 76.6 | 74.9 | 77.9 | 74.6 | 68.3 | 78.9 |
| Asian | 10.2 | 9.7 | 10.6 | 10.2 | 9.6 | 10.7 | 10.1 | 11.4 | 9.2 |
| Black | 5.7 | 7.5 | 4.3 | 5.6 | 7.3 | 4.3 | 6.5 | 10.1 | 4.1 |
| Hispanic | 5.4 | 5.9 | 5.1 | 5.4 | 5.8 | 5.1 | 6.0 | 7.1 | 5.3 |
| American Indian/Alaska Native | 0.4 | 0.5 | 0.4 | 0.4 | 0.5 | 0.4 | 0.8 | 1.0 | 0.7 |
| Other race/ethnicity ^a | 1.8 | 1.9 | 1.7 | 1.8 | 1.9 | 1.7 | 1.9 | 2.1 | 1.8 |
| Disability status | 100.0 | 100.0 | 100.0 | na | na | na | na | na | na |
| No disability | 93.5 | 93.9 | 93.1 | na | na | na | na | na | na |
| With disability | 6.5 | 6.1 | 6.9 | na | na | na | na | na | na |
| Marital status | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Married | 74.8 | 68.3 | 79.9 | 75.0 | 68.8 | 79.7 | 72.8 | 59.7 | 81.9 |
| Widowed | 1.1 | 1.8 | 0.6 | 1.0 | 1.7 | 0.5 | 2.1 | 3.6 | 1.1 |
| Separated | 1.1 | 1.4 | 0.9 | 1.1 | 1.3 | 1.0 | 1.5 | 2.4 | 0.9 |
| Divorced | 6.9 | 9.4 | 5.0 | 6.7 | 9.0 | 4.9 | 10.5 | 16.4 | 6.5 |
| Never married | 16.0 | 19.1 | 13.6 | 16.2 | 19.2 | 13.9 | 13.0 | 18.0 | 9.7 |
| Children living in household | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| No | 48.7 | 50.9 | 47.0 | 48.4 | 50.7 | 46.7 | 52.9 | 54.1 | 52.1 |
| Yes | 51.3 | 49.1 | 53.0 | 51.6 | 49.3 | 53.3 | 47.1 | 45.9 | 47.9 |
| Citizenship | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| U.S. citizen | 94.8 | 96.0 | 93.9 | 94.6 | 95.9 | 93.6 | 97.1 | 97.1 | 97.1 |
| Native | 84.2 | 85.6 | 83.1 | 84.2 | 85.7 | 83.0 | 84.4 | 83.8 | 84.7 |
| Naturalized | 10.6 | 10.4 | 10.7 | 10.4 | 10.2 | 10.6 | 12.7 | 13.2 | 12.4 |
| Non-U.S. citizen | 5.2 | 4.0 | 6.2 | 5.4 | 4.1 | 6.3 | 3.0 | 2.9 | 3.0 |
| Permanent resident | 3.9 | 3.1 | 4.5 | 4.0 | 3.2 | 4.6 | 2.2 | 2.0 | 2.3 |
| Temporary resident | 1.3 | 0.9 | 1.7 | 1.4 | 0.9 | 1.7 | 0.8 | 0.9 | 0.7 |

na = not applicable.

^a Includes Native Hawaiian/Other Pacific Islander and multiple race.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Scientists and engineers refer to all persons with bachelor's or higher degrees in science, engineering (S&E) or S&E-related fields, plus persons holding a non-S&E bachelor's or higher degree who were employed in an S&E or S&E-related occupation in 2003.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Technical Notes

The data in this report come from many sources, including surveys conducted by the National Science Foundation (NSF), other federal agencies, and nonfederal organizations. Many methods of data collection are represented. Therefore, users should take great care when comparing data from different sources. These data often will not be strictly comparable because of differences in definitions, survey procedures, and phrasing of questions, among other things.

Reporting Categories

This report draws on data collected from many sources, many of which use differing terms to describe the various statistics presented here. Efforts have been made to maintain consistency throughout these tables, but in some tables, it has been necessary to use distinct terminology that does not match that used in other tables.

Racial/Ethnic Information

The collection and reporting of race/ethnicity data pose several additional problems. First, both the naming of population subgroups and their definitions have changed over time. Second, many of the groups of particular interest are quite small, so it is difficult to measure them accurately without surveys of the entire population of interest. In some instances, sample surveys may not have had sufficient sample size to permit the calculation of reliable racial/ethnic population estimates for all groups; consequently, data are not shown for some groups. The U.S. Bureau of the Census's Current Population Survey, for example, cannot provide data on American Indians. Data on this population are available only from the decennial census. Third, data on race/ethnicity are often based on self-identification. These data are less reliable for certain racial/ethnic groups than for others. Data collected at two points in time indicate that self-identification of American Indians is much less reliable than self-identification of other racial/ethnic groups (U.S. Bureau of Labor Statistics 1995). Fourth, it is easy to overlook or minimize heterogeneity within subgroups when only a single statistic is reported for a total racial/ethnic group.

In October 1997, the U.S. Office of Management and Budget (OMB) announced new government-wide

standards for the collection of data on race and ethnicity (published as U.S. OMB 1999) effective January 1, 2003. OMB specified the following categories and definitions of racial/ethnic groups:

- Black or African American: A person having origins in any of the black racial groups of Africa
- American Indian or Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment
- Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent; for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Samoa, Thailand, and Vietnam
- Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, or other Pacific islands
- White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa
- Hispanic or Latino: A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race
- More than one race reported: A person reporting two or more of the racial/ethnic categories listed above

Previously, racial/ethnic groups were identified as white; black; Hispanic; Asian or Pacific Islander; and American Indian or Alaskan Native. Because of these changes, data on Asian doctorate recipients include Native Hawaiians/Other Pacific Islanders through 2000 but exclude them in 2001-06 per revised OMB guidelines. The 2006 data on employment includes Native Hawaiian/Other Pacific Islander and multiple race in the total but does not show detail for those groups separately. Because data on undergraduate enrollment and bachelor's and master's degree data were still collected under the old standards through 2006, the racial/ethnic groups described in those tables are designated by the old categories. Similarly, because few schools collected racial/ethnic data according to the new standards and few reported graduate enrollment according to the new standards, the

racial/ethnic groups described in the graduate enrollment tables are designated by the old categories.

Information About People with Disabilities

Data on people with disabilities who study or work in science and engineering (S&E) are seriously limited for several reasons. First, the operational definitions of disability vary, can include a wide range of physical and mental conditions, and may not be comparable. The Americans With Disabilities Act of 1990 (ADA) encouraged progress toward standard definitions. Under ADA, an individual is considered to have a disability if he or she has a physical or mental impairment that substantially limits one or more of his or her major life activities, has a record of such impairment, or is regarded as having such an impairment. ADA also contains definitions of specific disabilities.

Second, data on disabilities frequently are not included in comprehensive institutional records (e.g., in registrars' records in institutions of higher education). If included at all, such information may be kept only in confidential files at an office responsible for providing special services to students. Institutions of higher education are unlikely to have information regarding students with disabilities who have not requested special services related to their disabilities from the institutions. In elementary/secondary school programs receiving funds to provide special education, however, statistics on all students identified as having special needs are centrally available.

Third, information about people with disabilities that is gathered from surveys is often obtained from self-reported responses. Typically, respondents are asked whether they have a disability and to specify what kind of disability it is. Resulting data therefore reflect individual perceptions rather than objective measures.

The attempt to provide estimates of the proportion of the undergraduate student population with disabilities is an example of how these factors coalesce. Self-reported data on the undergraduate student population, collected through a survey to ascertain patterns of student financial aid, suggest that about 10% of this population have some disability. Estimates from population surveys of higher education institutions, in contrast, place the estimate much lower, between 1% and 5%. Whether this discrepancy is the result of self-perception, incomplete reporting, nonevident disabilities, or differing definitions is difficult to ascertain.

In the final analysis, although considerable information is available about individuals with disabilities in the education system and in the S&E workforce, it is often impossible to compare statistics from different sources.

Several sources of data on people with disabilities are cited here. They include the National Postsecondary Student Aid Study (NPSAS) conducted by the Department of Education's National Center for Education Statistics (NCES), NSF's Survey of Earned Doctorates (SED), and NSF's Scientists and Engineers Statistical Data System (SESTAT). These sources are described in more detail later in this appendix; the following is a brief description of how each treats the issue of disability.

- NPSAS (2004) asked students whether they had any longlasting condition (6 months or more) "such as blindness, deafness, or a severe vision or hearing impairment" or "that substantially limits one or more basic physical activities, such as walking, climbing stairs, reaching, lifting, or carrying" or "any other physical, mental, emotional, or learning condition that has lasted 6 months or more."
- SED asks if the respondent has a disability then asks the respondent to mark which categories describe the disability(ies). Response categories include: blind/visually impaired; deaf/hard of hearing; physical/orthopedic disability; learning/cognitive disability; vocal/speech disability; other disability.
- The SESTAT surveys ask the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, or lifting. Those respondents who answered "moderate," "severe," or "unable to do" for any activity are classified as disabled.

Primary Data Sources

Data from several sources are presented here. This section provides summary descriptions of major sources and information about the location of more detailed survey descriptions.

Primary NSF Sources

The following sources from NSF's Division of Science Resources Statistics (SRS) were used for data tables in this publication. Published data tables from these surveys

can be accessed on the SRS Website at <http://www.nsf.gov/statistics/>. In addition, researchers may access data directly from the Scientists and Engineers Statistical Data System (SESTAT) or the WebCASPAR database system, which also can be accessed from the SRS Website.

Survey of Earned Doctorates

SED has been conducted annually since 1957 for NSF, the U.S. Department of Education, the National Endowment for the Humanities, the National Institutes of Health, the National Aeronautics and Space Administration, and the U.S. Department of Agriculture. This survey is of all recipients of research doctoral degrees from U.S. institutions. SED data are restricted to research doctorates such as the doctor of philosophy (Ph.D.) or doctor of science (D.Sc.); it excludes the recipients of first professional degrees such as the juris doctor (J.D.) or doctor of medicine (M.D.).

Data for SED are collected directly from individual doctorate recipients contacted through graduate deans at all U.S. universities awarding research doctorates. The recipients are asked to provide information about the fields and specialties of their degrees as well as their personal educational histories, selected demographic data, and information about their postgraduate work and study plans. Over time, more than 90% of the annual cohort of doctorate recipients have responded to the questionnaire.

Partial data from public sources, such as field of study, are added to the file for nonrespondents. No imputations are made, however, for nonresponse for data not available elsewhere, such as race/ethnicity information. The data for a given year include all doctorates awarded in the 12-month period ending on June 30 of that year. Information about SED can be found at <http://www.nsf.gov/statistics/srvydoctorates/>.

Survey of Graduate Students and Postdoctorates in Science and Engineering

The data collected in the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) represent national estimates of graduate enrollment and postdoctoral employment at the beginning of the academic year in all academic institutions in the United States that offer doctoral or master's degree programs in any S&E or health field. Included are data for all branch campuses; affiliated research centers; and separately organized components such as medical or dental schools, schools of nursing, and schools of public health. The survey

population consists of approximately 600 graduate institutions. Data are collected at the academic department level.

Approximately 97%–98% of institutions and departments respond to the survey. Missing data for partially nonrespondent departments are imputed using the departments' previous year's data, where available, or data from peer institutions in cases where data had not been reported the previous year. Data for completely nonrespondent departments are imputed using data from the previous year, where available.

Available information includes counts of full-time graduate students by source and mechanism of support, including data on women and first-year students enrolled full time, part-time graduate students by sex, and citizenship and racial/ethnic background of all graduate students. In addition, data on postdoctorates are available by source of support, sex, and citizenship, including separate data on those holding first professional doctorates in the health fields; summary information about other doctoral nonfaculty research personnel is also included.

NSF has collected data on graduate S&E enrollment and postdoctoral appointees since 1966. From fall 1966 through fall 1971, data from a limited number of doctorate-granting institutions were collected through the NSF Graduate Traineeship Program, which requested data only on those S&E fields supported by NSF. During the period 1972–75, this data collection effort was gradually expanded to include additional S&E fields as well as all institutions known to have programs leading to the master's or doctoral degree. Because of this expansion, data for 1974 and earlier years are not strictly comparable with 1975 and later data.

In 1999, the survey presented respondents with new race/ethnicity categories:

- The "Asian/Pacific Islander" category used in previous years' surveys became two categories: "Asian" and "Native Hawaiian/Pacific Islander."
- The categories "more than one race Hispanic/Latino" and "more than one race non-Hispanic/ Latino" were added.
- The "other" category included in previous years' surveys was removed.

These changes are not reflected in the tables in this report. Currently, fewer than 10% of the departments

report data in any of the new categories. For the tables in this report, as in other publications using these data, the data reported in the new categories are combined into previous survey categories. The data are combined for the tables as follows: the "Asian" category and the "Native Hawaiian/Pacific Islander" category form the "Asian/Pacific Islander" category; the "one race only Hispanic/Latino" category and the "more than one race Hispanic/Latino" category form the "Hispanic" category; and the "more than one race non-Hispanic" category and the "unknown" category form the "other or unknown" category.

Information about GSS can be found at <http://www.nsf.gov/statistics/srvygradpostdoc/>.

SESTAT Data System

The SESTAT data system integrates data from three SRS surveys—the Survey of Doctorate Recipients, the National Survey of College Graduates, and the National Survey of Recent College Graduates. The integration of the SESTAT surveys requires complementary sample populations and reference periods, matching survey questions, procedures, and field definitions, as well as weighting adjustments for any overlapping populations.

The surveys provide data on educational background, occupation, employment, and demographic characteristics. These surveys are of individuals and currently have a combined sample size of about 105,100, representing a population of about 22.6 million scientists and engineers, including people trained in S&E or S&E-related fields or working in S&E or S&E-related occupations. Each of the three surveys that makes up the SESTAT data system collects new data every 2 years. The data reported in this publication were collected in 2006.

SESTAT defines scientists and engineers as residents of the United States with a baccalaureate degree or higher who, as of the study's reference period (April 1, 2006), were not institutionalized, were age 75 or less, and were either educated as or working as a scientist or engineer. A baccalaureate or higher degree is a bachelor's, master's, doctorate, or professional degree. To meet the scientist or engineer definition, the U.S. resident had to (1) have at least one baccalaureate or higher degree in an S&E or S&E-related field or (2) as of October 1, 2003, have a baccalaureate or higher degree in a non-S&E field but worked in an S&E or S&E-related occupation. Some elements of SESTAT's desired target population were not included within the target populations of any of the three SESTAT component surveys. S&E or S&E-related

personnel missing from the survey frames in 2006 are predominately U.S. residents as of the survey reference date:

- Whose bachelor's or higher degrees in S&E or S&E-related fields were received from a foreign institution and who resided outside the United States on April 1, 2000
- Who were awarded bachelor's or higher S&E or S&E-related degrees after June 2005 by a U.S. institution
- Who were employed in an S&E occupation, but had no S&E or S&E-related bachelor's or higher degree and were not employed in an S&E occupation on October 1, 2003

SESTAT classifies the following broad categories as S&E occupations: computer and mathematical scientists, life and related scientists, physical and related scientists, social and related scientists, and engineers. Postsecondary teachers are included within each of these groups. The following are considered S&E-related occupations: health and related occupations; S&E managers; S&E precollege teachers; S&E technicians and technologists, including computer programmers; and other S&E-related occupations, such as architects and actuaries. Non-S&E occupations include non-S&E managers; non-S&E teachers; non-S&E technicians/technologists; social services and related occupations; sales and marketing occupations; art, humanities, and related occupations; and other non-S&E occupations—for example, clerical and administrative support personnel, farmers, foresters, fishermen, lawyers, judges, librarians, archivists, curators, food service personnel, construction tradespeople, mechanics and repairers, and those involved in precision/production occupations, operators (for example, machine set-up, machine operators and tenders, fabricators, assemblers) and related occupations, transportation/material moving occupations and protective and other service occupations. Information on SESTAT can be found on the Web at <http://www.nsf.gov/statistics/sestat/>.

Primary Non-NSF Sources

The following non-NSF sources were used for data tables in this report.

The Integrated Postsecondary Education Data System Survey: Fall Enrollment, Completions, and Institutional Characteristics

National Center for Education Statistics
U.S. Department of Education
1990 K Street, NW
Washington, DC 20006
(202) 502-7300
<http://nces.ed.gov/ipeds>

The Integrated Postsecondary Education Data System (IPEDS) Survey began in 1986 as a supplement to and replacement for the Higher Education General Information Survey (HEGIS), which began in 1966. HEGIS annually surveyed institutions listed in the current NCES Education Directory of Colleges and Universities; IPEDS surveys all postsecondary institutions, including universities and colleges and the institutions that offer technical and vocational education. IPEDS consists of several integrated component surveys that obtain information about types of institutions where postsecondary education is available, student participants, fall enrollments, programs offered and completed, graduation rates, and the human and financial resources involved in the delivery of postsecondary education. Descriptions of these surveys follow.

The IPEDS Institutional Characteristics Survey provides the basis for the list of institutions reported in the Education Directory of Colleges and Universities. The list includes institutions that meet specific accreditation criteria and offer at least a 1-year program of college-level studies leading to a degree. Each fall, institutions listed in the previous year's directory are asked to update information about their school's characteristics.

The IPEDS Completions Survey replaces and extends the HEGIS Degrees and Other Formal Awards Conferred Survey. It is administered to all institutions offering degrees at the bachelor's degree level and above, 2-year institutions, and less-than-2-year institutions.

The IPEDS Fall Enrollment Survey replaces and extends the previous HEGIS surveys of enrollment in institutions of higher education.

The National Postsecondary Student Aid Study

National Center for Education Statistics
U.S. Department of Education
1990 K Street, NW
Washington, DC 20006
(202) 502-7300
<http://nces.ed.gov/npsas>

NPSAS was established by NCES to collect information about financial aid allocated to students enrolled in U.S. postsecondary institutions. NPSAS was first administered in the fall of the 1986-87 academic year. NCES conducted subsequent cycles of NPSAS during the 1989-90, 1992-93, 1995-96, 1999-2000, and 2003-04 academic years.

The 2003-04 survey gathered information from about 101,000 undergraduate and graduate students selected from registrars' lists of enrollees at more than 1,300 postsecondary institutions. The sample included students who did and did not receive financial aid, as well as students' parents. Student information, such as field of study, educational level, and attendance status (part time or full time), was obtained from registrars' records. Types and amounts of financial aid and family financial characteristics were abstracted from school financial aid records. Data pertaining to family circumstances, background demographic data, educational and work experiences, and expectations were collected from students using a computer-assisted telephone interview. The weighted response rate was 91%.

Survey of Engineering and Technology Enrollments and Survey of Engineering and Technology Degrees

Engineering Workforce Commission
American Association of Engineering Societies
1111 19th Street, NW, Suite 403
Washington, DC 20036
(202) 546-2237
<http://www.ewc-online.org/>

The Engineering Workforce Commission (EWC) annually conducts surveys of engineering enrollments and degrees conferred in almost 600 institutions, including all of those with curricula approved by the Accreditation Board for Engineering and Technology (ABET). EWC counts the number of students studying for engineering degrees at all ABET-accredited engineering schools throughout the United States and also some schools that are not ABET-accredited for a variety of reasons unique to each school. Some schools are in the process of obtaining ABET accreditation; others have simply asked to be included in the survey. The enrollments and degrees surveys obtain responses from about 90% of the schools. Each year, EWC obtains data from all schools included in the previous year's survey to ensure accurate time-series comparisons.

Sampling and Nonsampling Errors

The data from all of the sources used for this report are subject to error. Survey accuracy is determined by the joint effects of sampling and nonsampling errors. Sampling errors arise because estimates based on a sample differ from figures that would have been obtained if a complete population had been surveyed. The sample used for any particular survey is only one of a large number of possible samples of the same size and design that could have been selected. Even if all other aspects of the survey remained fixed, such as the questionnaire and instructions, the estimates from each sample would differ from other samples. This difference, termed *sampling error*, occurs by chance, and its variability is measured by the standard error associated with a particular estimate.

The standard error of a sample survey estimate measures the precision with which an estimate from one sample approximates the true population value, and it can be used to construct a confidence interval for a survey parameter to assess the accuracy of the estimate. See <http://sestat.nsf.gov/docs/method.html> for information about calculation of standard errors for data from SESTAT,

<http://www.bls.gov/cps/home.htm> for Current Population Survey design and methodology, and <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2006180> for information on standard errors for NPSAS data.

Nonsampling errors can arise from design, reporting, and processing errors as well as from errors due to faulty responses or nonresponses. Nonsampling errors include respondent-based events, such as some respondents interpreting questions differently from other respondents; respondents making estimates rather than giving actual data; and respondents being unable or unwilling to provide complete, correct information. Errors can also arise during the processing of responses, such as during recording and keying. Nonsampling errors are difficult to measure and estimates of nonsampling errors are not available for data in this report.

Reference

U.S. Bureau of Labor Statistics, *A Test of Methods for Collecting Racial and Ethnic Information* (Washington, DC: U.S. Department of Labor, 1995).

Related Reports from NSF

K-12 Education

Chapter 1 of *Science and Engineering Indicators: 2008. NSB 08-01*. Arlington, VA, 2008. Available at <http://www.nsf.gov/statistics/seind08/c1/c1h.htm>.

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002. NSF 03-312. Arlington, VA, 2003. Available at <http://www.nsf.gov/statistics/nsf03312/>.

Graduate Enrollment

Chapter 2 of *Science and Engineering Indicators: 2008. NSB 08-01*. Arlington, VA, 2008. Available at <http://www.nsf.gov/statistics/seind08/c2/c2h.htm>.

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