

# **Science and Engineering Degrees by Race/Ethnicity of Recipients: 1992–2001**

Detailed Statistical Tables

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# GENERAL NOTES

This publication is based on data obtained from two surveys. Bachelor's and master's degree data were collected by the National Center for Education Statistics, U.S. Department of Education, from all accredited institutions of higher education. Data on doctorates are from the Survey of Earned Doctorates, a universe survey of individual doctorate recipients that is sponsored by the National Science Foundation (NSF) and other Federal agencies, five in 2001.

These data cover earned degrees conferred in the aggregate United States, which includes the 50 states, the District of Columbia, and the U.S. territories and outlying areas (American Samoa, the former Canal Zone, the Northern Mariana Islands, Puerto Rico, the U.S. Virgin Islands, and the Trust Territory of the Pacific Islands). Degree data are compiled for a 12-month period, July of one year through June of the following year. For convenience, degrees for such a given 12-month period will be referred to by the year in which the period ended, e.g., 2001 means the 12-month period ending June 2001.

Because racial/ethnic data were collected by broad fields of study only (until 1995), the definition of science and engineering used for this trend report must include fields normally not included by NSF. One instance where this difference has a large impact is the broad field of "social sciences." The U.S. Department of Education includes the field of history in this broad category, so when it collected the racial/ethnic data up until 1995, this field was included in social sciences and comprised 20–23 percent of the category for bachelor's and master's degree data.

If the reader is interested in earlier data for science fields, please request *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1977–91*, NSF 94-306. Please note, however, that before 1985, the broad category of "engineering" included engineering technologies. This report excludes engineering technologies so that trend data by race/ethnicity are more consistent with the definition of science and engineering used in other NSF reports. However, the reader can use tables 31 and 32 to add in these data so as to correspond to the earlier report (NSF 94-306).

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# SECTION A. TECHNICAL NOTES

## INTRODUCTION

This report is based on final data from two Federal surveys. The first is the U.S. Department of Education's Completions Survey conducted annually by the National Center for Education Statistics (NCES) as part of the Integrated Postsecondary Education Data System (IPEDS). The second is the Survey of Earned Doctorates, conducted annually for the National Science Foundation (NSF) and other Federal agencies (five between 1997 and 2001). Each source is described in more detail in the following sections.

Data from the Completions Survey were used to report the number of bachelor's and master's degrees. The data on doctoral degrees in this report were derived from the Survey of Earned Doctorates, which surveyed all individuals earning research doctorates, rather than from the Completions Survey, which surveyed the institutions awarding the doctorates. The Survey of Earned Doctorate data were preferred because the data provided by individuals are more specific with respect to the field of specialization and are less likely to contain errors in data reporting and data entry than are the aggregate data provided by institutions. Furthermore, doctorate data provide 100 percent coverage for data by field and sex of individual recipients, whereas institutional data are subject to imputation for nonresponse. For a comparison of reporting on doctoral degrees in the Completions Survey and the Survey of Earned Doctorates, see National Science Foundation, *Science and Engineering Doctorates: 1960–91*, NSF 93-301, Detailed Statistical Tables (Washington, DC, 1993).

In this report the race/ethnicity of U.S. citizens (and permanent resident aliens) who were degree recipients during the 1992–2001 period are reported. The following five racial/ethnic categories were the standard in Federal Government surveys of institutions in this reporting period:

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

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

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

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

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

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

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

## BACHELOR'S AND MASTER'S DEGREE DATA

Bachelor's and master's degree data presented in this report were derived from a survey conducted by NCES—the Completions Survey. This survey requested data on the number of associate's, bachelor's, master's, doctoral, and first professional degrees conferred by institutions of higher education. The data were requested by sex and field of study of recipient for each degree level. Data on the race/ethnicity of degree recipients were collected biennially by NCES for the Office of Civil Rights from 1987 through 1989 and annually since then. A limitation

has been that data were collected only at the broad field level<sup>1</sup> until 1995 according to the Federal racial/ethnic designations of degree recipients. This has affected one field primarily—social sciences. Social sciences includes history in this report, for bachelor’s and master’s degree levels. History comprises 20–23 percent of the social sciences total at these degree levels.

The surveys were mailed to all accredited universities and colleges in the United States, including the U.S. territories, for completion by the institution. Followup for nonresponse and editing was conducted by letter and telephone. The overall response rate for institutions of higher education ranged from 92 and 97 percent between 1992 and 2001. Detailed national data were not released for the academic year ending 1999 by NCES.

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

For institutions that did not report any racial/ethnic data by field, NCES imputed data on the basis of an earlier response for each institution, if available. Table A-1 indicates percentage of 2001 degree recipients in each race/ethnicity category for which race/ethnicity was imputed.

In examining data on degrees awarded to minorities, it must be noted that 1–5 percent of all S&E degrees awarded in 1992–2001 were reported as awarded to

individuals whose race/ethnicity was unknown. This unknown category could affect trends and observable changes in the number and share of awards received by minority students, particularly if there are shifts from year to year in the number of degree recipients with unknown race/ethnicity. As tables 1 and 2 in section B indicate, the share of degrees awarded to individuals whose race/ethnicity was unknown varied somewhat by degree level.

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

## DOCTORAL DEGREE DATA

In the Survey of Earned Doctorates, information is collected during the period of July 1 of one year to June 30 of the next from all persons who have fulfilled the requirements for research doctorates. The survey was funded jointly by NSF and other Federal agencies (five in the period from 1997–2000): the U.S. Department of Education, the National Institutes of Health, the National Endowment for the Humanities, the National Aeronautics and Space Administration, and the U.S. Department of Agriculture. The survey forms are sent to all accredited doctorate-granting institutions for distribution by the graduate deans to all research doctorate recipients as they complete degree requirements. Information collected in the survey comprises demographic data, such as the student’s sex, citizenship, ethnicity, and racial group; education history, including field of degrees; sources of graduate student support; employment status during the year preceding receipt of the doctorate; postgraduation plans; and background on parents’ education. Approximately 92–95 percent of the doctorate recipients complete and return the survey forms. For nonrespondents, commencement programs constitute a source of skeletal information that is added to the file for the variables of sex, field of study, institution, year of doctorate, and educational background. Nonresponse for race/ethnicity is not imputed for individuals, but the percent unknown has been low (around 1–2 percent of those with known citizenship; citizenship was unknown for 2–8 percent of degree recipients). Because changes in nonresponse do exist, small changes in numbers should be interpreted with caution. Data are also updated annually from completed survey forms received late, so numbers may change very slightly in each edition.

Table A-1. Percent of bachelor’s and master’s degree recipients imputed by race/ethnicity: 2000

Race/ethnicity	Bachelor’s	Master’s
White	0.3	0.7
Black	0.2	0.4
Hispanic	0.3	0.3
Asian or Pacific Islander	0.1	0.7
American Indian or Alaskan Native	0.5	0.3
Nonresident alien	0.4	0.6
Unknown	0.1	0.1

SOURCE: NCES, IPEDS Completions file, 2001.

<sup>1</sup>Broad field level refers to the 2-digit program levels in U.S. Department of Education, National Center for Education Statistics, *Classification of Instructional Programs* (Washington, DC: GPO, 1991).

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**Table 1. Percentage distribution of earned bachelor's degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	96.8	96.4	96.5	96.3	96.3	96.4	96.4	96.4	96.2
White, non-Hispanics .....	77.6	76.5	75.3	73.7	72.7	71.5	70.6	68.7	67.7
Asians/Pacific Islanders .....	6.0	6.3	6.7	7.3	7.6	8.1	8.4	8.6	8.8
Underrepresented minorities, total .....	11.0	11.5	12.3	13.0	13.6	14.2	14.7	15.6	15.7
Black, non-Hispanics .....	6.0	6.3	6.6	6.9	7.2	7.4	7.6	8.0	8.1
Hispanics .....	4.6	4.7	5.2	5.6	5.9	6.2	6.5	6.9	7.0
American Indians or Alaskan Natives .....	.4	.5	.5	.5	.6	.6	.6	.7	.7
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.1	2.1	2.2	2.3	2.4	2.6	2.7	3.5	4.0
Nonresident aliens <sup>2</sup> .....	3.2	3.6	3.5	3.7	3.7	3.6	3.6	3.6	3.8
Men									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	96.0	95.6	95.6	95.4	95.5	95.5	95.6	95.6	95.4
White, non-Hispanics .....	78.5	77.5	76.3	74.8	73.8	72.8	72.0	70.3	69.3
Asians/Pacific Islanders .....	6.3	6.6	6.9	7.4	7.9	8.4	8.7	9.0	9.1
Underrepresented minorities, total .....	9.0	9.4	10.2	10.8	11.3	11.7	12.2	12.8	12.9
Black, non-Hispanics .....	4.5	4.7	5.0	5.1	5.4	5.6	5.7	5.9	5.9
Hispanics .....	4.2	4.3	4.7	5.1	5.4	5.6	5.9	6.3	6.3
American Indians or Alaskan Natives .....	.4	.4	.5	.5	.5	.5	.6	.6	.7
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.2	2.2	2.2	2.4	2.6	2.6	2.7	3.6	4.1
Nonresident aliens <sup>2</sup> .....	4.0	4.4	4.4	4.6	4.5	4.5	4.4	4.4	4.6
Women									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	97.7	97.5	97.5	97.4	97.3	97.3	97.3	97.1	97.0
White, non-Hispanics .....	76.6	75.3	74.0	72.4	71.4	70.0	69.1	67.0	66.2
Asians/Pacific Islanders .....	5.6	6.0	6.4	7.1	7.4	7.8	8.1	8.2	8.4
Underrepresented minorities, total .....	13.4	14.1	15.0	15.6	16.2	17.0	17.5	18.4	18.6
Black, non-Hispanics .....	7.8	8.2	8.7	8.9	9.2	9.5	9.7	10.1	10.2
Hispanics .....	5.2	5.3	5.8	6.1	6.4	6.8	7.1	7.6	7.6
American Indians or Alaskan Natives .....	.5	.5	.6	.6	.6	.7	.7	.7	.7
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.1	2.1	2.1	2.3	2.3	2.5	2.7	3.5	3.9
Nonresident aliens <sup>2</sup> .....	2.3	2.5	2.5	2.6	2.7	2.7	2.7	2.9	3.0

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Details may not sum to totals due to rounding.

Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in science and engineering.

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

**Table 2. Percentage distribution of earned master's degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	76.4	75.3	75.7	75.9	76.8	76.8	75.4	73.2	71.2
White, non-Hispanics .....	59.9	58.9	58.9	58.1	58.4	58.0	56.3	52.4	49.6
Asians/Pacific Islanders .....	6.3	6.0	6.3	6.4	6.7	6.7	7.1	7.5	7.3
Underrepresented minorities, total .....	5.7	6.0	6.5	7.0	7.4	8.1	8.2	8.8	9.4
Black, non-Hispanics .....	3.1	3.1	3.3	3.8	4.0	4.4	4.3	4.7	5.1
Hispanics .....	2.4	2.6	2.9	2.9	3.1	3.3	3.5	3.8	3.9
American Indians or Alaskan Natives .....	.3	.3	.3	.3	.3	.4	.4	.4	.5
U.S. citizens and permanent residents, unknown race/ethnicity .....	4.5	4.4	4.0	4.3	4.4	4.0	3.8	4.5	5.0
Nonresident aliens <sup>2</sup> .....	23.6	24.7	24.3	24.1	23.2	23.2	24.6	26.8	28.8
Men									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	72.5	71.1	71.6	71.3	72.8	72.4	71.2	68.8	65.9
White, non-Hispanics .....	56.5	55.5	55.6	54.6	55.7	55.4	53.7	49.9	46.7
Asians/Pacific Islanders .....	6.6	6.1	6.4	6.7	6.8	6.6	7.1	7.5	7.4
Underrepresented minorities, total .....	4.7	5.0	5.3	5.6	5.8	6.5	6.5	7.0	7.1
Black, non-Hispanics .....	2.3	2.4	2.5	2.7	2.8	3.1	3.2	3.3	3.4
Hispanics .....	2.1	2.4	2.6	2.6	2.7	3.0	3.1	3.4	3.3
American Indians or Alaskan Natives .....	.2	.2	.3	.3	.3	.3	.3	.3	.4
U.S. citizens and permanent residents, unknown race/ethnicity .....	4.7	4.5	4.2	4.4	4.5	3.9	3.8	4.4	4.8
Nonresident aliens <sup>2</sup> .....	27.5	28.9	28.4	28.7	27.2	27.6	28.8	31.2	34.1
Women									
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	83.7	83.1	83.3	83.8	83.4	83.5	81.8	79.3	78.3
White, non-Hispanics .....	66.4	65.3	64.9	64.2	62.7	61.9	60.1	55.8	53.4
Asians/Pacific Islanders .....	5.6	5.7	6.1	6.0	6.6	6.9	7.1	7.5	7.1
Underrepresented minorities, total .....	7.6	8.0	8.7	9.4	9.9	10.6	10.8	11.2	12.5
Black, non-Hispanics .....	4.5	4.6	4.8	5.5	5.8	6.4	6.0	6.5	7.3
Hispanics .....	2.8	3.0	3.6	3.5	3.7	3.8	4.2	4.3	4.6
American Indians or Alaskan Natives .....	.3	.4	.4	.5	.4	.4	.5	.4	.6
U.S. citizens and permanent residents, unknown race/ethnicity .....	4.1	4.2	3.6	4.1	4.2	4.1	3.9	4.7	5.3
Nonresident aliens <sup>2</sup> .....	16.3	16.9	16.7	16.2	16.6	16.5	18.2	20.7	21.7

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Details may not sum to totals due to rounding.

Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in science and engineering.

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

**Table 3. Percentage distribution of earned doctoral degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total										
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	64.3	65.0	69.2	71.4	68.3	67.1	66.5	67.5	65.6	63.7
White, non-Hispanics .....	54.4	54.2	53.3	52.6	51.7	51.4	52.0	53.2	52.2	50.3
Asians/Pacific Islanders .....	5.5	6.3	11.4	13.9	11.4	9.4	7.9	7.5	6.6	6.5
Underrepresented minorities, total .....	4.0	4.2	4.3	4.5	4.8	5.0	5.6	6.0	5.9	5.7
Black, non-Hispanics .....	1.7	1.8	1.9	2.1	2.1	2.3	2.4	2.8	2.8	2.8
Hispanics .....	2.1	2.1	2.1	2.2	2.3	2.4	2.8	2.8	2.8	2.7
American Indians or Alaskan Natives .....	.3	.2	.2	.3	.4	.3	.4	.4	.3	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	.4	.3	.3	.4	.4	1.2	.9	.8	.9	1.2
Nonresident aliens <sup>2</sup> .....	33.1	32.0	28.9	26.5	28.8	27.9	28.9	28.1	29.7	31.4
Citizenship unknown .....	2.6	3.0	1.9	2.1	2.9	5.0	4.6	4.4	4.6	4.9
Men										
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	59.1	59.8	64.1	66.5	63.1	62.5	61.6	62.4	60.1	58.0
White, non-Hispanics .....	50.0	49.9	48.4	48.2	47.2	47.9	48.4	49.7	48.4	46.6
Asians/Pacific Islanders .....	5.4	6.1	12.0	14.2	11.5	9.2	7.8	7.3	6.3	6.0
Underrepresented minorities, total .....	3.4	3.5	3.5	3.7	4.0	4.3	4.4	4.6	4.5	4.4
Black, non-Hispanics .....	1.4	1.5	1.6	1.6	1.8	1.8	1.7	2.1	1.9	2.0
Hispanics .....	1.8	1.8	1.8	1.9	1.9	2.2	2.4	2.2	2.3	2.1
American Indians or Alaskan Natives .....	.2	.1	.2	.2	.3	.3	.3	.4	.3	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	.4	.3	.3	.4	.4	1.2	1.0	.8	.8	1.1
Nonresident aliens <sup>2</sup> .....	39.0	38.0	34.3	31.9	34.4	33.4	34.2	33.6	35.3	37.4
Citizenship unknown .....	1.9	2.2	1.6	1.7	2.5	4.0	4.2	3.9	4.6	4.7
Women										
Total .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
U.S. citizens and permanent residents, total <sup>1</sup> .....	78.7	78.7	81.9	83.4	80.4	77.9	76.4	77.8	75.7	74.0
White, non-Hispanics .....	66.8	65.6	65.3	63.2	62.1	59.8	59.5	60.3	59.1	57.0
Asians/Pacific Islanders .....	5.9	6.9	10.4	13.5	11.3	10.1	8.2	7.9	7.3	7.5
Underrepresented minorities, total .....	5.7	5.9	6.0	6.3	6.5	6.7	7.8	8.7	8.4	8.0
Black, non-Hispanics .....	2.4	2.7	2.7	3.2	2.9	3.2	3.8	4.1	4.2	4.0
Hispanics .....	2.9	2.9	2.9	2.8	3.2	3.0	3.5	4.0	3.7	3.6
American Indians or Alaskan Natives .....	.4	.2	.3	.3	.4	.4	.5	.6	.5	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	.4	.3	.3	.4	.5	1.3	.9	.9	.9	1.5
Nonresident aliens <sup>2</sup> .....	19.2	19.1	16.7	15.1	17.4	17.3	19.0	18.2	20.0	21.2
Citizenship unknown .....	2.2	2.3	1.3	1.6	2.2	4.8	4.6	4.0	4.3	4.8

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Details may not sum to totals due to rounding.

See section C for specific fields included in science and engineering.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS, Survey of Earned Doctorates

**Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total, all fields .....	1,150,072	1,179,278	1,183,141	1,174,436	1,179,815	1,186,589	1,199,579	1,253,121	1,257,648
Science and engineering .....	376,933	388,435	395,380	399,809	405,921	408,749	411,286	418,720	419,746
Engineering .....	61,898	62,670	62,962	63,330	63,066	62,306	60,870	59,445	59,142
Sciences .....	315,035	325,765	332,418	336,479	342,855	346,443	350,416	359,275	360,604
Natural sciences .....	111,108	116,742	122,792	129,447	136,126	140,301	144,256	150,464	151,410
Physical science <sup>1</sup> .....	17,076	17,691	18,525	19,375	19,853	19,730	19,594	18,627	18,131
Mathematical science .....	14,851	14,870	14,431	13,759	13,201	12,869	12,363	12,148	11,748
Computer science .....	24,854	24,477	24,458	24,662	24,405	24,975	27,041	36,403	41,905
Biological science .....	43,835	47,877	52,213	56,804	61,998	65,061	67,047	64,800	61,974
Agricultural science .....	10,492	11,827	13,165	14,847	16,669	17,666	18,211	18,486	17,652
Social sciences .....	203,927	209,023	209,626	207,032	206,729	206,142	206,160	208,811	209,194
Social science .....	139,884	141,772	139,858	134,431	132,901	131,408	131,703	134,157	135,026
Psychology .....	64,043	67,251	69,768	72,601	73,828	74,734	74,457	74,654	74,168
Non-S&E <sup>2</sup> .....	773,139	790,843	787,761	774,627	773,894	777,840	788,293	834,401	837,902
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	1,121,525	1,146,907	1,148,914	1,137,424	1,142,028	1,147,815	1,160,692	1,214,326	1,218,169
Science and engineering .....	364,695	374,633	381,451	385,055	391,074	393,952	396,558	403,489	403,983
Engineering .....	57,675	58,165	58,422	58,520	58,304	57,509	56,227	54,915	54,725
Sciences .....	307,020	316,468	323,029	326,535	332,770	336,443	340,331	348,574	349,258
Natural sciences .....	106,739	111,656	117,843	124,297	131,065	135,390	139,280	144,898	145,310
Physical science <sup>1</sup> .....	16,469	16,927	17,812	18,652	19,167	19,059	18,919	18,049	17,524
Mathematical science .....	14,259	14,318	13,869	13,166	12,643	12,343	11,907	11,673	11,314
Computer science .....	22,880	22,273	22,185	22,367	22,225	22,976	24,912	33,524	38,530
Biological science .....	42,842	46,660	51,058	55,523	60,633	63,601	65,625	63,425	60,538
Agricultural science .....	10,289	11,478	12,919	14,589	16,397	17,411	17,917	18,227	17,404
Social sciences .....	200,281	204,812	205,186	202,238	201,705	201,053	201,051	203,676	203,948
Social science .....	136,902	138,391	136,273	130,579	128,893	127,368	127,764	130,286	131,063
Psychology .....	63,379	66,421	68,913	71,659	72,812	73,685	73,287	73,390	72,885
Non-S&E <sup>2</sup> .....	756,830	772,274	767,463	752,369	750,954	753,863	764,134	810,837	814,186
White, non-Hispanics									
Total, all fields .....	921,453	931,603	918,124	892,785	884,128	877,759	878,018	895,129	888,412
Science and engineering .....	292,614	297,171	297,616	294,773	295,082	292,252	290,207	287,544	284,349
Engineering .....	45,026	44,853	44,687	43,726	43,098	41,624	40,533	38,989	38,661
Sciences .....	247,588	252,318	252,929	251,047	251,984	250,628	249,674	248,555	245,688
Natural sciences .....	84,133	87,401	91,196	94,575	98,707	100,871	101,967	103,171	101,710
Physical science <sup>1</sup> .....	13,678	13,941	14,616	14,952	15,088	14,920	14,566	13,657	13,248
Mathematical science .....	11,723	11,669	11,089	10,343	9,823	9,484	9,045	8,636	8,328
Computer science .....	16,844	16,155	15,816	15,532	15,470	15,626	16,670	21,182	23,775
Biological science .....	32,506	35,080	37,942	40,628	43,680	45,325	45,854	43,814	41,234
Agricultural science .....	9,382	10,556	11,733	13,120	14,646	15,516	15,832	15,882	15,125
Social sciences .....	163,455	164,917	161,733	156,472	153,277	149,757	147,707	145,384	143,978
Social science .....	111,389	111,154	106,863	100,558	97,372	94,411	93,482	92,987	92,416
Psychology .....	52,066	53,763	54,870	55,914	55,905	55,346	54,225	52,397	51,562
Non-S&E <sup>2</sup> .....	628,839	634,432	620,508	598,012	589,046	585,507	587,811	607,585	604,063

See explanatory information and SOURCE at end of table.

**Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	46,616	50,587	54,675	59,295	63,117	67,358	69,988	75,265	75,496
Science and engineering .....	22,635	24,504	26,420	29,128	31,031	33,139	34,568	36,027	36,757
Engineering .....	6,265	6,407	6,516	6,785	6,799	7,085	7,002	6,854	7,024
Sciences .....	16,370	18,097	19,904	22,343	24,232	26,054	27,566	29,173	29,733
Natural sciences .....	8,496	9,524	10,401	12,007	13,212	14,200	15,001	16,265	16,433
Physical science <sup>1</sup> .....	1,001	1,098	1,096	1,347	1,559	1,620	1,676	1,560	1,430
Mathematical science .....	857	915	926	965	935	877	856	964	958
Computer science .....	2,082	2,245	2,247	2,365	2,448	2,767	3,158	5,262	6,159
Biological science .....	4,402	5,103	5,959	7,043	7,958	8,535	8,867	8,023	7,483
Agricultural science .....	154	163	173	287	312	401	444	456	403
Social sciences .....	7,874	8,573	9,503	10,336	11,020	11,854	12,565	12,908	13,300
Social science .....	5,724	6,035	6,726	7,005	7,354	7,787	8,298	8,720	9,150
Psychology .....	2,150	2,538	2,777	3,331	3,666	4,067	4,267	4,188	4,150
Non-S&E <sup>2</sup> .....	23,981	26,083	28,255	30,167	32,086	34,219	35,420	39,238	38,739
Underrepresented minorities, total									
Total, all fields .....	129,448	140,086	151,063	158,432	167,382	174,243	181,709	200,967	205,284
Science and engineering .....	41,383	44,682	48,822	51,844	55,114	58,129	60,656	65,183	66,071
Engineering .....	5,277	5,714	6,020	6,717	6,974	7,463	7,396	7,458	7,152
Sciences .....	36,106	38,968	42,802	45,127	48,140	50,666	53,260	57,725	58,919
Natural sciences .....	11,722	12,510	13,782	14,815	16,135	16,856	18,424	20,316	21,223
Physical science <sup>1</sup> .....	1,425	1,528	1,737	1,932	2,076	2,063	2,147	2,259	2,187
Mathematical science .....	1,432	1,490	1,594	1,589	1,619	1,708	1,738	1,682	1,565
Computer science .....	3,342	3,390	3,611	3,915	3,784	3,734	4,096	5,531	6,555
Biological science .....	5,043	5,602	6,127	6,606	7,648	8,255	9,232	9,559	9,662
Agricultural science .....	480	500	713	773	1,008	1,096	1,211	1,285	1,254
Social sciences .....	24,384	26,458	29,020	30,312	32,005	33,810	34,836	37,409	37,696
Social science .....	16,647	17,918	19,400	19,621	20,471	21,385	21,960	23,192	23,395
Psychology .....	7,737	8,540	9,620	10,691	11,534	12,425	12,876	14,217	14,301
Non-S&E <sup>2</sup> .....	88,065	95,404	102,241	106,588	112,268	116,114	121,053	135,784	139,213
Black, non-Hispanics									
Total, all fields .....	71,311	76,667	82,316	85,287	89,554	92,067	95,878	104,212	106,648
Science and engineering .....	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462	33,869
Engineering .....	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062	2,883
Sciences .....	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400	30,986
Natural sciences .....	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634	11,101
Physical science <sup>1</sup> .....	816	836	921	1,034	1,100	1,110	1,127	1,141	1,052
Mathematical science .....	904	965	992	995	981	1,071	1,030	971	845
Computer science .....	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330	4,088
Biological science .....	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734	4,685
Agricultural science .....	206	219	268	263	363	387	426	458	431
Social sciences .....	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766	19,885
Social science .....	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194	12,323
Psychology .....	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572	7,562
Non-S&E <sup>2</sup> .....	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750	72,779

See explanatory information and SOURCE at end of table.

**Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324	89,972
Science and engineering .....	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939	29,262
Engineering .....	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068	4,014
Sciences .....	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871	25,248
Natural sciences .....	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767	9,048
Physical science <sup>1</sup> .....	546	599	733	800	872	853	914	1,010	1,027
Mathematical science .....	482	470	543	536	585	581	642	640	668
Computer science .....	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035	2,199
Biological science .....	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446	4,546
Agricultural science .....	214	217	336	386	506	561	632	636	608
Social sciences .....	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104	16,200
Social science .....	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977	10,022
Psychology .....	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127	6,178
Non-S&E <sup>2</sup> .....	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385	60,710
American Indians or Alaskan Natives									
Total, all fields .....	5,130	5,574	6,064	6,454	6,813	7,238	7,706	8,431	8,664
Science and engineering .....	1,561	1,819	2,004	2,126	2,268	2,419	2,533	2,782	2,940
Engineering .....	182	176	218	221	243	262	253	328	255
Sciences .....	1,379	1,643	1,786	1,905	2,025	2,157	2,280	2,454	2,685
Natural sciences .....	429	504	575	675	701	740	830	915	1,074
Physical science <sup>1</sup> .....	63	93	83	98	104	100	106	108	108
Mathematical science .....	46	55	59	58	53	56	66	71	52
Computer science .....	79	81	78	110	89	97	106	166	268
Biological science .....	181	211	246	285	316	339	399	379	431
Agricultural science .....	60	64	109	124	139	148	153	191	215
Social sciences .....	950	1,139	1,211	1,230	1,324	1,417	1,450	1,539	1,611
Social science .....	639	804	817	823	854	921	935	1,021	1,050
Psychology .....	311	335	394	407	470	496	515	518	561
Non-S&E <sup>2</sup> .....	3,569	3,755	4,060	4,328	4,545	4,819	5,173	5,649	5,724
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	24,008	24,631	25,052	26,912	27,401	28,455	30,977	42,965	48,977
Science and engineering .....	8,063	8,276	8,593	9,310	9,847	10,432	11,127	14,735	16,806
Engineering .....	1,107	1,191	1,199	1,292	1,433	1,337	1,296	1,614	1,888
Sciences .....	6,956	7,085	7,394	8,018	8,414	9,095	9,831	13,121	14,918
Natural sciences .....	2,388	2,221	2,464	2,900	3,011	3,463	3,888	5,146	5,944
Physical science <sup>1</sup> .....	365	360	363	421	444	456	530	573	659
Mathematical science .....	247	244	260	269	266	274	268	391	463
Computer science .....	612	483	511	555	523	849	988	1,549	2,041
Biological science .....	891	875	1,030	1,246	1,347	1,486	1,672	2,029	2,159
Agricultural science .....	273	259	300	409	431	398	430	604	622
Social sciences .....	4,568	4,864	4,930	5,118	5,403	5,632	5,943	7,975	8,974
Social science .....	3,142	3,284	3,284	3,395	3,696	3,785	4,024	5,387	6,102
Psychology .....	1,426	1,580	1,646	1,723	1,707	1,847	1,919	2,588	2,872
Non-S&E <sup>2</sup> .....	15,945	16,355	16,459	17,602	17,554	18,023	19,850	28,230	32,171

See explanatory information and SOURCE at end of table.



**Table 4. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	28,547	32,371	34,227	37,012	37,787	38,774	38,887	38,795	39,479
Science and engineering .....	12,238	13,802	13,929	14,754	14,847	14,797	14,728	15,231	15,763
Engineering .....	4,223	4,505	4,540	4,810	4,762	4,797	4,643	4,530	4,417
Sciences .....	8,015	9,297	9,389	9,944	10,085	10,000	10,085	10,701	11,346
Natural sciences .....	4,369	5,086	4,949	5,150	5,061	4,911	4,976	5,566	6,100
Physical science <sup>1</sup> .....	607	764	713	723	686	671	675	578	607
Mathematical science .....	592	552	562	593	558	526	456	475	434
Computer science .....	1,974	2,204	2,273	2,295	2,180	1,999	2,129	2,879	3,375
Biological science .....	993	1,217	1,155	1,281	1,365	1,460	1,422	1,375	1,436
Agricultural science .....	203	349	246	258	272	255	294	259	248
Social sciences .....	3,646	4,211	4,440	4,794	5,024	5,089	5,109	5,135	5,246
Social science .....	2,982	3,381	3,585	3,852	4,008	4,040	3,939	3,871	3,963
Psychology .....	664	830	855	942	1,016	1,049	1,170	1,264	1,283
Non-S&E <sup>2</sup> .....	16,309	18,569	20,298	22,258	22,940	23,977	24,159	23,564	23,716

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Total								
Total, all fields .....	525,395	537,536	537,061	531,146	528,000	525,282	525,714	536,158	536,023
Science and engineering .....	209,270	214,388	216,492	216,078	216,614	214,329	213,171	209,694	209,083
Engineering .....	52,270	52,696	52,569	52,389	51,765	50,846	49,541	47,248	47,256
Sciences .....	157,000	161,692	163,923	163,689	164,849	163,483	163,630	162,446	161,827
Natural sciences .....	64,678	67,855	70,956	73,593	76,775	77,585	78,792	80,505	81,167
Physical science <sup>1</sup> .....	11,466	11,877	12,253	12,559	12,666	12,306	12,001	11,020	10,598
Mathematical science .....	7,923	7,859	7,754	7,318	7,176	6,938	6,618	6,430	6,150
Computer science .....	17,670	17,565	17,466	17,628	17,666	18,166	19,796	26,192	30,340
Biological science .....	21,107	23,111	25,314	26,956	29,189	29,839	29,982	26,916	24,975
Agricultural science .....	6,512	7,443	8,169	9,132	10,078	10,336	10,395	9,947	9,104
Social sciences .....	92,322	93,837	92,967	90,096	88,074	85,898	84,838	81,941	80,660
Social science .....	75,185	75,808	74,218	70,458	68,109	66,407	65,781	64,401	63,959
Psychology .....	17,137	18,029	18,749	19,638	19,965	19,491	19,057	17,540	16,701
Non-S&E <sup>2</sup> .....	316,125	323,148	320,569	315,068	311,386	310,953	312,543	326,464	326,940
	U.S. citizens and permanent residents, total <sup>3</sup>								
Total, all fields .....	508,289	518,484	517,318	510,030	506,569	503,659	504,262	515,544	515,173
Science and engineering .....	200,929	204,994	207,030	206,144	206,828	204,767	203,694	200,470	199,558
Engineering .....	48,518	48,655	48,577	48,145	47,623	46,725	45,526	43,524	43,615
Sciences .....	152,411	156,339	158,453	157,999	159,205	158,042	158,168	156,946	155,943
Natural sciences .....	61,872	64,584	67,726	70,302	73,606	74,571	75,715	77,191	77,510
Physical science <sup>1</sup> .....	11,049	11,352	11,786	12,086	12,229	11,875	11,572	10,667	10,239
Mathematical science .....	7,565	7,514	7,390	6,960	6,790	6,618	6,326	6,124	5,878
Computer science .....	16,251	15,964	15,799	15,960	16,093	16,735	18,289	24,216	28,013
Biological science .....	20,628	22,542	24,739	26,334	28,576	29,170	29,303	26,370	24,395
Agricultural science .....	6,379	7,212	8,012	8,962	9,918	10,173	10,225	9,814	8,985
Social sciences .....	90,539	91,755	90,727	87,697	85,599	83,471	82,453	79,755	78,433
Social science .....	73,577	73,946	72,185	68,291	65,909	64,235	63,692	62,489	62,002
Psychology .....	16,962	17,809	18,542	19,406	19,690	19,236	18,761	17,266	16,431
Non-S&E <sup>2</sup> .....	307,360	313,490	310,288	303,886	299,741	298,892	300,568	315,074	315,615
	White, non-Hispanics								
Total, all fields .....	422,517	427,240	420,211	407,155	399,132	392,541	389,007	388,171	383,832
Science and engineering .....	164,220	166,063	165,245	161,731	159,889	156,121	153,382	147,423	144,893
Engineering .....	38,513	38,244	37,830	36,785	35,977	34,579	33,620	31,723	31,629
Sciences .....	125,707	127,819	127,415	124,946	123,912	121,542	119,762	115,700	113,264
Natural sciences .....	50,126	52,048	54,115	55,197	57,162	57,464	57,255	56,657	55,842
Physical science <sup>1</sup> .....	9,430	9,614	9,958	10,006	9,966	9,695	9,290	8,439	8,046
Mathematical science .....	6,255	6,131	5,920	5,456	5,239	5,085	4,851	4,540	4,350
Computer science .....	12,571	12,329	12,022	11,793	11,924	12,070	12,991	16,316	18,479
Biological science .....	16,030	17,293	18,882	19,790	21,065	21,388	20,908	18,651	17,015
Agricultural science .....	5,840	6,681	7,333	8,152	8,968	9,226	9,215	8,711	7,952
Social sciences .....	75,581	75,771	73,300	69,749	66,750	64,078	62,507	59,043	57,422
Social science .....	61,574	61,269	58,409	54,508	51,580	49,558	48,589	46,649	45,837
Psychology .....	14,007	14,502	14,891	15,241	15,170	14,520	13,918	12,394	11,585
Non-S&E <sup>2</sup> .....	258,297	261,177	254,966	245,424	239,243	236,420	235,625	240,748	238,939

See explanatory information and SOURCE at end of table.

**Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	23,190	24,819	26,420	28,348	29,954	31,732	32,588	34,568	34,205
Science and engineering .....	13,198	14,132	14,967	16,039	17,015	17,914	18,495	18,810	19,130
Engineering .....	5,067	5,130	5,235	5,340	5,363	5,611	5,435	5,190	5,341
Sciences .....	8,131	9,002	9,732	10,699	11,652	12,303	13,060	13,620	13,789
Natural sciences .....	4,783	5,380	5,721	6,483	7,161	7,481	8,013	8,641	8,750
Physical science <sup>1</sup> .....	615	675	648	784	908	881	903	836	730
Mathematical science .....	486	502	523	519	539	494	462	496	514
Computer science .....	1,373	1,492	1,476	1,583	1,697	1,930	2,276	3,562	4,150
Biological science .....	2,230	2,633	2,992	3,467	3,878	4,007	4,181	3,565	3,211
Agricultural science .....	79	78	82	130	139	169	191	182	145
Social sciences .....	3,348	3,622	4,011	4,216	4,491	4,822	5,047	4,979	5,039
Social science .....	2,728	2,884	3,204	3,247	3,366	3,617	3,824	3,941	3,995
Psychology .....	620	738	807	969	1,125	1,205	1,223	1,038	1,044
Non-S&E <sup>2</sup> .....	9,992	10,687	11,453	12,309	12,939	13,818	14,093	15,758	15,075
Underrepresented minorities, total									
Total, all fields .....	50,695	54,600	58,528	61,542	64,369	66,191	68,448	73,662	75,206
Science and engineering .....	18,890	20,160	22,001	23,235	24,400	25,112	25,985	26,780	26,968
Engineering .....	3,952	4,261	4,458	4,917	5,056	5,410	5,362	5,293	5,101
Sciences .....	14,938	15,899	17,543	18,318	19,344	19,702	20,623	21,487	21,867
Natural sciences .....	5,450	5,766	6,389	6,888	7,478	7,610	8,294	8,975	9,548
Physical science <sup>1</sup> .....	745	792	931	998	1,044	991	1,060	1,032	1,037
Mathematical science .....	675	744	786	820	852	878	865	849	760
Computer science .....	1,864	1,802	1,939	2,190	2,092	2,122	2,315	3,218	3,892
Biological science .....	1,885	2,130	2,337	2,449	2,939	3,058	3,462	3,271	3,274
Agricultural science .....	281	298	396	431	551	561	592	605	585
Social sciences .....	9,488	10,133	11,154	11,430	11,866	12,092	12,329	12,512	12,319
Social science .....	7,590	8,013	8,813	8,742	8,990	9,092	9,256	9,310	9,210
Psychology .....	1,898	2,120	2,341	2,688	2,876	3,000	3,073	3,202	3,109
Non-S&E <sup>2</sup> .....	31,805	34,440	36,527	38,307	39,969	41,079	42,463	46,882	48,238
Black, non-Hispanics									
Total, all fields .....	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648	36,378
Science and engineering .....	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383	12,308
Engineering .....	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973	1,857
Sciences .....	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410	10,451
Natural sciences .....	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244	4,501
Physical science <sup>1</sup> .....	381	370	464	495	482	466	521	472	448
Mathematical science .....	374	444	457	476	468	510	488	468	377
Computer science .....	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737	2,182
Biological science .....	749	883	927	981	1,236	1,304	1,448	1,379	1,324
Agricultural science .....	113	126	137	121	187	186	189	188	170
Social sciences .....	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166	5,950
Social science .....	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520	4,393
Psychology .....	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646	1,557
Non-S&E <sup>2</sup> .....	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265	24,070

See explanatory information and SOURCE at end of table.

**Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657	35,305
Science and engineering .....	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126	13,269
Engineering .....	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081	3,053
Sciences .....	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045	10,216
Natural sciences .....	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278	4,458
Physical science <sup>1</sup> .....	326	361	415	437	488	468	474	505	530
Mathematical science .....	279	273	300	315	354	340	338	348	356
Computer science .....	724	700	719	876	824	841	920	1,373	1,519
Biological science .....	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736	1,756
Agricultural science .....	125	130	193	228	283	297	318	316	297
Social sciences .....	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767	5,758
Social science .....	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339	4,362
Psychology .....	826	928	996	1,166	1,326	1,285	1,382	1,428	1,396
Non-S&E <sup>2</sup> .....	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531	22,036
American Indians or Alaskan Natives									
Total, all fields .....	2,151	2,401	2,562	2,669	2,811	2,915	3,079	3,357	3,523
Science and engineering .....	785	901	1,005	1,077	1,108	1,121	1,213	1,271	1,391
Engineering .....	151	142	179	176	195	195	206	239	191
Sciences .....	634	759	826	901	913	926	1,007	1,032	1,200
Natural sciences .....	244	286	318	378	378	388	452	453	589
Physical science <sup>1</sup> .....	38	61	52	66	74	57	65	55	59
Mathematical science .....	22	27	29	29	30	28	39	33	27
Computer science .....	48	53	59	73	50	69	72	108	191
Biological science .....	93	103	112	128	143	156	191	156	194
Agricultural science .....	43	42	66	82	81	78	85	101	118
Social sciences .....	390	473	508	523	535	538	555	579	611
Social science .....	300	380	395	403	403	414	408	451	455
Psychology .....	90	93	113	120	132	124	147	128	156
Non-S&E <sup>2</sup> .....	1,366	1,500	1,557	1,592	1,703	1,794	1,866	2,086	2,132
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	11,887	11,825	12,159	12,985	13,114	13,195	14,219	19,143	21,930
Science and engineering .....	4,621	4,639	4,817	5,139	5,524	5,620	5,832	7,457	8,567
Engineering .....	986	1,020	1,054	1,103	1,227	1,125	1,109	1,318	1,544
Sciences .....	3,635	3,619	3,763	4,036	4,297	4,495	4,723	6,139	7,023
Natural sciences .....	1,513	1,390	1,501	1,734	1,805	2,016	2,153	2,918	3,370
Physical science <sup>1</sup> .....	259	271	249	298	311	308	319	360	426
Mathematical science .....	149	137	161	165	160	161	148	239	254
Computer science .....	443	341	362	394	380	613	707	1,120	1,492
Biological science .....	483	486	528	628	694	717	752	883	895
Agricultural science .....	179	155	201	249	260	217	227	316	303
Social sciences .....	2,122	2,229	2,262	2,302	2,492	2,479	2,570	3,221	3,653
Social science .....	1,685	1,780	1,759	1,794	1,973	1,968	2,023	2,589	2,960
Psychology .....	437	449	503	508	519	511	547	632	693
Non-S&E <sup>2</sup> .....	7,266	7,186	7,342	7,846	7,590	7,575	8,387	11,686	13,363

See explanatory information and SOURCE at end of table.

**Table 5. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	17,106	19,052	19,743	21,116	21,431	21,623	21,452	20,614	20,850
Science and engineering .....	8,341	9,394	9,462	9,934	9,786	9,562	9,477	9,224	9,525
Engineering .....	3,752	4,041	3,992	4,244	4,142	4,121	4,015	3,724	3,641
Sciences .....	4,589	5,353	5,470	5,690	5,644	5,441	5,462	5,500	5,884
Natural sciences .....	2,806	3,271	3,230	3,291	3,169	3,014	3,077	3,314	3,657
Physical science <sup>1</sup> .....	417	525	467	473	437	431	429	353	359
Mathematical science .....	358	345	364	358	386	320	292	306	272
Computer science .....	1,419	1,601	1,667	1,668	1,573	1,431	1,507	1,976	2,327
Biological science .....	479	569	575	622	613	669	679	546	580
Agricultural science .....	133	231	157	170	160	163	170	133	119
Social sciences .....	1,783	2,082	2,240	2,399	2,475	2,427	2,385	2,186	2,227
Social science .....	1,608	1,862	2,033	2,167	2,200	2,172	2,089	1,912	1,957
Psychology .....	175	220	207	232	275	255	296	274	270
Non-S&E <sup>2</sup> .....	8,765	9,658	10,281	11,182	11,645	12,061	11,975	11,390	11,325

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total, all fields .....	624,677	641,742	646,080	643,290	651,815	661,307	673,865	716,963	721,625
Science and engineering .....	167,663	174,047	178,888	183,731	189,307	194,420	198,115	209,026	210,663
Engineering .....	9,628	9,974	10,393	10,941	11,301	11,460	11,329	12,197	11,886
Sciences .....	158,035	164,073	168,495	172,790	178,006	182,960	186,786	196,829	198,777
Natural sciences .....	46,430	48,887	51,836	55,854	59,351	62,716	65,464	69,959	70,243
Physical science <sup>1</sup> .....	5,610	5,814	6,272	6,816	7,187	7,424	7,593	7,607	7,533
Mathematical science .....	6,928	7,011	6,677	6,441	6,025	5,931	5,745	5,718	5,598
Computer science .....	7,184	6,912	6,992	7,034	6,739	6,809	7,245	10,211	11,565
Biological science .....	22,728	24,766	26,899	29,848	32,809	35,222	37,065	37,884	36,999
Agricultural science .....	3,980	4,384	4,996	5,715	6,591	7,330	7,816	8,539	8,548
Social sciences .....	111,605	115,186	116,659	116,936	118,655	120,244	121,322	126,870	128,534
Social science .....	64,699	65,964	65,640	63,973	64,792	65,001	65,922	69,756	71,067
Psychology .....	46,906	49,222	51,019	52,963	53,863	55,243	55,400	57,114	57,467
Non-S&E <sup>2</sup> .....	457,014	467,695	467,192	459,559	462,508	466,887	475,750	507,937	510,962
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	613,236	628,423	631,596	627,394	635,459	644,156	656,430	698,782	702,996
Science and engineering .....	163,766	169,639	174,421	178,911	184,246	189,185	192,864	203,019	204,425
Engineering .....	9,157	9,510	9,845	10,375	10,681	10,784	10,701	11,391	11,110
Sciences .....	154,609	160,129	164,576	168,536	173,565	178,401	182,163	191,628	193,315
Natural sciences .....	44,867	47,072	50,117	53,995	57,459	60,819	63,565	67,707	67,800
Physical science <sup>1</sup> .....	5,420	5,575	6,026	6,566	6,938	7,184	7,347	7,382	7,285
Mathematical science .....	6,694	6,804	6,479	6,206	5,853	5,725	5,581	5,549	5,436
Computer science .....	6,629	6,309	6,386	6,407	6,132	6,241	6,623	9,308	10,517
Biological science .....	22,214	24,118	26,319	29,189	32,057	34,431	36,322	37,055	36,143
Agricultural science .....	3,910	4,266	4,907	5,627	6,479	7,238	7,692	8,413	8,419
Social sciences .....	109,742	113,057	114,459	114,541	116,106	117,582	118,598	123,921	125,515
Social science .....	63,325	64,445	64,088	62,288	62,984	63,133	64,072	67,797	69,061
Psychology .....	46,417	48,612	50,371	52,253	53,122	54,449	54,526	56,124	56,454
Non-S&E <sup>2</sup> .....	449,470	458,784	457,175	448,483	451,213	454,971	463,566	495,763	498,571
White, non-Hispanics									
Total, all fields .....	498,936	504,363	497,913	485,630	484,996	485,218	489,011	506,958	504,580
Science and engineering .....	128,394	131,108	132,371	133,042	135,193	136,131	136,825	140,121	139,456
Engineering .....	6,513	6,609	6,857	6,941	7,121	7,045	6,913	7,266	7,032
Sciences .....	121,881	124,499	125,514	126,101	128,072	129,086	129,912	132,855	132,424
Natural sciences .....	34,007	35,353	37,081	39,378	41,545	43,407	44,712	46,514	45,868
Physical science <sup>1</sup> .....	4,248	4,327	4,658	4,946	5,122	5,225	5,276	5,218	5,202
Mathematical science .....	5,468	5,538	5,169	4,887	4,584	4,399	4,194	4,096	3,978
Computer science .....	4,273	3,826	3,794	3,739	3,546	3,556	3,679	4,866	5,296
Biological science .....	16,476	17,787	19,060	20,838	22,615	23,937	24,946	25,163	24,219
Agricultural science .....	3,542	3,875	4,400	4,968	5,678	6,290	6,617	7,171	7,173
Social sciences .....	87,874	89,146	88,433	86,723	86,527	85,679	85,200	86,341	86,556
Social science .....	49,815	49,885	48,454	46,050	45,792	44,853	44,893	46,338	46,579
Psychology .....	38,059	39,261	39,979	40,673	40,735	40,826	40,307	40,003	39,977
Non-S&E <sup>2</sup> .....	370,542	373,255	365,542	352,588	349,803	349,087	352,186	366,837	365,124

See explanatory information and SOURCE at end of table.

**Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	23,426	25,768	28,255	30,947	33,163	35,626	37,400	40,697	41,291
Science and engineering .....	9,437	10,372	11,453	13,089	14,016	15,225	16,073	17,217	17,627
Engineering .....	1,198	1,277	1,281	1,445	1,436	1,474	1,567	1,664	1,683
Sciences .....	8,239	9,095	10,172	11,644	12,580	13,751	14,506	15,553	15,944
Natural sciences .....	3,713	4,144	4,680	5,524	6,051	6,719	6,988	7,624	7,683
Physical science <sup>1</sup> .....	386	423	448	563	651	739	773	724	700
Mathematical science .....	371	413	403	446	396	383	394	468	444
Computer science .....	709	753	771	782	751	837	882	1,700	2,009
Biological science .....	2,172	2,470	2,967	3,576	4,080	4,528	4,686	4,458	4,272
Agricultural science .....	75	85	91	157	173	232	253	274	258
Social sciences .....	4,526	4,951	5,492	6,120	6,529	7,032	7,518	7,929	8,261
Social science .....	2,996	3,151	3,522	3,758	3,988	4,170	4,474	4,779	5,155
Psychology .....	1,530	1,800	1,970	2,362	2,541	2,862	3,044	3,150	3,106
Non-S&E <sup>2</sup> .....	13,989	15,396	16,802	17,858	19,147	20,401	21,327	23,480	23,664
Underrepresented minorities, total									
Total, all fields .....	78,753	85,486	92,535	96,890	103,013	108,052	113,261	127,305	130,078
Science and engineering .....	22,493	24,522	26,821	28,609	30,714	33,017	34,671	38,403	39,103
Engineering .....	1,325	1,453	1,562	1,800	1,918	2,053	2,034	2,165	2,051
Sciences .....	21,168	23,069	25,259	26,809	28,796	30,964	32,637	36,238	37,052
Natural sciences .....	6,272	6,744	7,393	7,927	8,657	9,246	10,130	11,341	11,675
Physical science <sup>1</sup> .....	680	736	806	934	1,032	1,072	1,087	1,227	1,150
Mathematical science .....	757	746	808	769	767	830	873	833	805
Computer science .....	1,478	1,588	1,672	1,725	1,692	1,612	1,781	2,313	2,663
Biological science .....	3,158	3,472	3,790	4,157	4,709	5,197	5,770	6,288	6,388
Agricultural science .....	199	202	317	342	457	535	619	680	669
Social sciences .....	14,896	16,325	17,866	18,882	20,139	21,718	22,507	24,897	25,377
Social science .....	9,057	9,905	10,587	10,879	11,481	12,293	12,704	13,882	14,185
Psychology .....	5,839	6,420	7,279	8,003	8,658	9,425	9,803	11,015	11,192
Non-S&E <sup>2</sup> .....	56,260	60,964	65,714	68,281	72,299	75,035	78,590	88,902	90,975
Black, non-Hispanics									
Total, all fields .....	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564	70,270
Science and engineering .....	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079	21,561
Engineering .....	748	813	875	999	1,036	1,057	1,041	1,089	1,026
Sciences .....	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990	20,535
Natural sciences .....	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390	6,600
Physical science <sup>1</sup> .....	435	466	457	539	618	644	606	669	604
Mathematical science .....	530	521	535	519	513	561	542	503	468
Computer science .....	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593	1,906
Biological science .....	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355	3,361
Agricultural science .....	93	93	131	142	176	201	237	270	261
Social sciences .....	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600	13,935
Social science .....	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674	7,930
Psychology .....	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926	6,005
Non-S&E <sup>2</sup> .....	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485	48,709

See explanatory information and SOURCE at end of table.

**Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667	54,667
Science and engineering .....	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813	15,993
Engineering .....	546	606	648	756	834	929	946	987	961
Sciences .....	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826	15,032
Natural sciences .....	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489	4,590
Physical science <sup>1</sup> .....	220	238	318	363	384	385	440	505	497
Mathematical science .....	203	197	243	221	231	241	304	292	312
Computer science .....	449	396	416	431	456	426	490	662	680
Biological science .....	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710	2,790
Agricultural science .....	89	87	143	158	223	264	314	320	311
Social sciences .....	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337	10,442
Social science .....	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638	5,660
Psychology .....	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699	4,782
Non-S&E <sup>2</sup> .....	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854	38,674
American Indians or Alaskan Natives									
Total, all fields .....	2,979	3,173	3,502	3,785	4,002	4,323	4,627	5,074	5,141
Science and engineering .....	776	918	999	1,049	1,160	1,298	1,320	1,511	1,549
Engineering .....	31	34	39	45	48	67	47	89	64
Sciences .....	745	884	960	1,004	1,112	1,231	1,273	1,422	1,485
Natural sciences .....	185	218	257	297	323	352	378	462	485
Physical science <sup>1</sup> .....	25	32	31	32	30	43	41	53	49
Mathematical science .....	24	28	30	29	23	28	27	38	25
Computer science .....	31	28	19	37	39	28	34	58	77
Biological science .....	88	108	134	157	173	183	208	223	237
Agricultural science .....	17	22	43	42	58	70	68	90	97
Social sciences .....	560	666	703	707	789	879	895	960	1,000
Social science .....	339	424	422	420	451	507	527	570	595
Psychology .....	221	242	281	287	338	372	368	390	405
Non-S&E <sup>2</sup> .....	2,203	2,255	2,503	2,736	2,842	3,025	3,307	3,563	3,592
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	12,121	12,806	12,893	13,927	14,287	15,260	16,758	23,822	27,047
Science and engineering .....	3,442	3,637	3,776	4,171	4,323	4,812	5,295	7,278	8,239
Engineering .....	121	171	145	189	206	212	187	296	344
Sciences .....	3,321	3,466	3,631	3,982	4,117	4,600	5,108	6,982	7,895
Natural sciences .....	875	831	963	1,166	1,206	1,447	1,735	2,228	2,574
Physical science <sup>1</sup> .....	106	89	114	123	133	148	211	213	233
Mathematical science .....	98	107	99	104	106	113	120	152	209
Computer science .....	169	142	149	161	143	236	281	429	549
Biological science .....	408	389	502	618	653	769	920	1,146	1,264
Agricultural science .....	94	104	99	160	171	181	203	288	319
Social sciences .....	2,446	2,635	2,668	2,816	2,911	3,153	3,373	4,754	5,321
Social science .....	1,457	1,504	1,525	1,601	1,723	1,817	2,001	2,798	3,142
Psychology .....	989	1,131	1,143	1,215	1,188	1,336	1,372	1,956	2,179
Non-S&E <sup>2</sup> .....	8,679	9,169	9,117	9,756	9,964	10,448	11,463	16,544	18,808

See explanatory information and SOURCE at end of table.



**Table 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	11,441	13,319	14,484	15,896	16,356	17,151	17,435	18,181	18,629
Science and engineering .....	3,897	4,408	4,467	4,820	5,061	5,235	5,251	6,007	6,238
Engineering .....	471	464	548	566	620	676	628	806	776
Sciences .....	3,426	3,944	3,919	4,254	4,441	4,559	4,623	5,201	5,462
Natural sciences .....	1,563	1,815	1,719	1,859	1,892	1,897	1,899	2,252	2,443
Physical science <sup>1</sup> .....	190	239	246	250	249	240	246	225	248
Mathematical science .....	234	207	198	235	172	206	164	169	162
Computer science .....	555	603	606	627	607	568	622	903	1,048
Biological science .....	514	648	580	659	752	791	743	829	856
Agricultural science .....	70	118	89	88	112	92	124	126	129
Social sciences .....	1,863	2,129	2,200	2,395	2,549	2,662	2,724	2,949	3,019
Social science .....	1,374	1,519	1,552	1,685	1,808	1,868	1,850	1,959	2,006
Psychology .....	489	610	648	710	741	794	874	990	1,013
Non-S&E <sup>2</sup> .....	7,544	8,911	10,017	11,076	11,295	11,916	12,184	12,174	12,391

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total, all fields .....	354,207	370,973	389,008	399,428	408,932	420,954	431,871	456,260	466,645
Science and engineering .....	76,184	81,415	86,080	88,431	88,730	86,697	87,144	88,191	91,368
Engineering .....	25,010	27,658	28,707	28,617	27,757	25,870	26,128	25,722	26,495
Sciences .....	51,174	53,757	57,373	59,814	60,973	60,827	61,016	62,469	64,873
Natural sciences .....	26,775	27,713	28,869	29,292	30,353	29,919	30,532	32,230	34,212
Physical science <sup>1</sup> .....	5,352	5,365	5,688	5,735	5,854	5,579	5,398	4,858	5,104
Mathematical science .....	4,019	4,084	4,108	4,190	4,037	3,790	3,700	3,422	3,375
Computer science .....	9,530	10,167	10,421	10,332	10,223	10,107	11,270	13,848	15,579
Biological science .....	4,816	4,798	5,217	5,423	6,207	6,497	6,283	6,228	6,383
Agricultural science .....	3,058	3,299	3,435	3,612	4,032	3,946	3,881	3,874	3,771
Social sciences .....	24,399	26,044	28,504	30,522	30,620	30,908	30,484	30,239	30,661
Social science .....	14,119	15,024	16,230	16,501	16,758	16,466	16,574	15,699	15,412
Psychology .....	10,280	11,020	12,274	14,021	13,862	14,442	13,910	14,540	15,249
Non-S&E <sup>2</sup> .....	278,023	289,558	302,928	310,997	320,202	334,257	344,727	368,069	375,277
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	314,555	326,864	342,502	350,672	360,682	371,477	379,666	400,689	405,455
Science and engineering .....	58,177	61,265	65,201	67,110	68,151	66,609	65,748	64,577	65,086
Engineering .....	17,111	18,539	19,350	18,921	18,762	17,236	16,970	15,900	15,497
Sciences .....	41,066	42,726	45,851	48,189	49,389	49,373	48,778	48,677	49,589
Natural sciences .....	19,459	19,651	20,451	20,957	22,028	21,764	21,758	22,000	22,519
Physical science <sup>1</sup> .....	3,814	3,763	3,918	3,980	4,119	3,933	3,898	3,523	3,691
Mathematical science .....	2,907	2,946	3,013	3,034	2,956	2,789	2,671	2,275	2,120
Computer science .....	6,361	6,388	6,509	6,452	6,352	6,172	6,523	7,357	7,889
Biological science .....	4,021	3,949	4,284	4,543	5,230	5,589	5,392	5,490	5,521
Agricultural science .....	2,356	2,605	2,727	2,948	3,371	3,281	3,274	3,355	3,298
Social sciences .....	21,607	23,075	25,400	27,232	27,361	27,609	27,020	26,677	27,070
Social science .....	11,629	12,387	13,487	13,695	13,938	13,584	13,579	12,619	12,291
Psychology .....	9,978	10,688	11,913	13,537	13,423	14,025	13,441	14,058	14,779
Non-S&E <sup>2</sup> .....	256,378	265,599	277,301	283,562	292,531	304,868	313,918	336,112	340,369
White, non-Hispanics									
Total, all fields .....	257,062	265,668	273,913	277,437	282,713	288,353	291,962	297,226	293,390
Science and engineering .....	45,649	47,975	50,711	51,417	51,791	50,288	49,047	46,189	45,302
Engineering .....	12,752	13,920	14,469	13,821	13,573	12,490	12,079	11,007	10,447
Sciences .....	32,897	34,055	36,242	37,596	38,218	37,798	36,968	35,182	34,855
Natural sciences .....	15,136	15,322	15,524	15,789	16,672	16,347	16,134	15,576	15,489
Physical science <sup>1</sup> .....	3,067	3,078	3,145	3,179	3,326	3,173	3,129	2,811	2,918
Mathematical science .....	2,336	2,354	2,379	2,342	2,227	2,145	2,036	1,716	1,564
Computer science .....	4,407	4,464	4,286	4,205	4,113	3,868	3,976	4,061	4,155
Biological science .....	3,251	3,144	3,453	3,589	4,080	4,342	4,156	4,112	4,053
Agricultural science .....	2,075	2,282	2,261	2,474	2,926	2,819	2,837	2,876	2,799
Social sciences .....	17,761	18,733	20,718	21,807	21,546	21,451	20,834	19,606	19,366
Social science .....	9,523	9,923	10,758	10,700	10,807	10,350	10,413	9,289	8,847
Psychology .....	8,238	8,810	9,960	11,107	10,739	11,101	10,421	10,317	10,519
Non-S&E <sup>2</sup> .....	211,413	217,693	223,202	226,020	230,922	238,065	242,915	251,037	248,088

See explanatory information and SOURCE at end of table.

**Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	12,293	13,169	14,559	15,906	17,281	17,912	19,936	21,412	21,946
Science and engineering .....	4,763	4,846	5,422	5,683	5,942	5,845	6,178	6,609	6,629
Engineering .....	2,223	2,260	2,443	2,572	2,621	2,319	2,450	2,379	2,413
Sciences .....	2,540	2,586	2,979	3,111	3,321	3,526	3,728	4,230	4,216
Natural sciences .....	1,916	1,918	2,159	2,280	2,405	2,487	2,679	3,101	3,070
Physical science <sup>1</sup> .....	295	249	284	288	304	308	278	262	249
Mathematical science .....	201	197	233	239	235	248	215	203	212
Computer science .....	1,105	1,106	1,228	1,239	1,237	1,268	1,527	1,955	1,983
Biological science .....	264	305	332	417	519	558	576	586	529
Agricultural science .....	51	61	82	97	110	105	83	95	97
Social sciences .....	624	668	820	831	916	1,039	1,049	1,129	1,146
Social science .....	441	477	550	533	586	665	655	644	637
Psychology .....	183	191	270	298	330	374	394	485	509
Non-S&E <sup>2</sup> .....	7,530	8,323	9,137	10,223	11,339	12,067	13,758	14,803	15,317
Underrepresented minorities, total									
Total, all fields .....	28,904	31,612	35,731	38,401	41,675	45,152	47,983	56,207	59,496
Science and engineering .....	4,360	4,899	5,636	6,223	6,552	7,031	7,176	7,774	8,570
Engineering .....	996	1,195	1,368	1,419	1,478	1,492	1,575	1,574	1,596
Sciences .....	3,364	3,704	4,268	4,804	5,074	5,539	5,601	6,200	6,974
Natural sciences .....	1,258	1,358	1,569	1,625	1,680	1,826	1,787	1,987	2,379
Physical science <sup>1</sup> .....	209	231	257	295	253	299	319	268	318
Mathematical science .....	147	184	190	237	248	242	252	210	202
Computer science .....	480	484	552	561	576	599	583	760	979
Biological science .....	307	312	297	349	406	467	399	509	643
Agricultural science .....	115	147	273	183	197	219	234	240	237
Social sciences .....	2,106	2,346	2,699	3,179	3,394	3,713	3,814	4,213	4,595
Social science .....	1,118	1,282	1,443	1,575	1,658	1,719	1,778	1,847	1,827
Psychology .....	988	1,064	1,256	1,604	1,736	1,994	2,036	2,366	2,768
Non-S&E <sup>2</sup> .....	24,544	26,713	30,095	32,178	35,123	38,121	40,807	48,433	50,926
Black, non-Hispanics									
Total, all fields .....	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305	35,059
Science and engineering .....	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115	4,622
Engineering .....	466	564	589	665	674	674	714	658	699
Sciences .....	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457	3,923
Natural sciences .....	699	716	821	881	932	1,010	957	1,003	1,233
Physical science <sup>1</sup> .....	98	105	127	147	116	144	146	124	151
Mathematical science .....	77	98	109	151	151	157	150	103	119
Computer science .....	316	308	365	347	379	377	376	472	556
Biological science .....	149	135	142	162	198	236	190	220	311
Agricultural science .....	59	70	78	74	88	96	95	84	96
Social sciences .....	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454	2,690
Social science .....	660	730	803	930	965	1,010	1,012	1,061	1,031
Psychology .....	531	544	636	863	947	1,123	1,073	1,393	1,659
Non-S&E <sup>2</sup> .....	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190	30,437

See explanatory information and SOURCE at end of table.

**Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803	22,163
Science and engineering .....	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319	3,535
Engineering .....	488	581	719	711	748	765	807	852	837
Sciences .....	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467	2,698
Natural sciences .....	503	574	680	665	677	720	737	882	1,018
Physical science <sup>1</sup> .....	93	114	114	129	127	139	149	126	147
Mathematical science .....	66	78	75	75	91	71	91	97	74
Computer science .....	149	162	169	198	173	197	193	262	371
Biological science .....	146	151	138	167	191	208	188	264	303
Agricultural science .....	49	69	184	96	95	105	116	133	123
Social sciences .....	815	937	1,115	1,209	1,305	1,397	1,527	1,585	1,680
Social science .....	396	474	557	553	596	626	676	686	678
Psychology .....	419	463	558	656	709	771	851	899	1,002
Non-S&E <sup>2</sup> .....	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484	18,628
American Indians or Alaskan Natives									
Total, all fields .....	1,228	1,344	1,618	1,542	1,693	1,844	1,951	2,099	2,274
Science and engineering .....	198	253	273	299	304	332	349	340	413
Engineering .....	42	50	60	43	56	53	54	64	60
Sciences .....	156	203	213	256	248	279	295	276	353
Natural sciences .....	56	68	68	79	71	96	93	102	128
Physical science <sup>1</sup> .....	18	12	16	19	10	16	24	18	20
Mathematical science .....	4	8	6	11	6	14	11	10	9
Computer science .....	15	14	18	16	24	25	14	26	52
Biological science .....	12	26	17	20	17	23	21	25	29
Agricultural science .....	7	8	11	13	14	18	23	23	18
Social sciences .....	100	135	145	177	177	183	202	174	225
Social science .....	62	78	83	92	97	83	90	100	118
Psychology .....	38	57	62	85	80	100	112	74	107
Non-S&E <sup>2</sup> .....	1,030	1,091	1,345	1,243	1,389	1,512	1,602	1,759	1,861
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	16,296	16,415	18,299	18,928	19,013	20,060	19,785	25,844	30,623
Science and engineering .....	3,405	3,545	3,432	3,787	3,866	3,445	3,347	4,005	4,585
Engineering .....	1,140	1,164	1,070	1,109	1,090	935	866	940	1,041
Sciences .....	2,265	2,381	2,362	2,678	2,776	2,510	2,481	3,065	3,544
Natural sciences .....	1,149	1,053	1,199	1,263	1,271	1,104	1,158	1,336	1,581
Physical science <sup>1</sup> .....	243	205	232	218	236	153	172	182	206
Mathematical science .....	223	211	211	216	246	154	168	146	142
Computer science .....	369	334	443	447	426	437	437	581	772
Biological science .....	199	188	202	188	225	222	261	283	296
Agricultural science .....	115	115	111	194	138	138	120	144	165
Social sciences .....	1,116	1,328	1,163	1,415	1,505	1,406	1,323	1,729	1,963
Social science .....	547	705	736	887	887	850	733	839	980
Psychology .....	569	623	427	528	618	556	590	890	983
Non-S&E <sup>2</sup> .....	12,891	12,870	14,867	15,141	15,147	16,615	16,438	21,839	26,038

See explanatory information and SOURCE at end of table.

**Table 7. Number of earned master's degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	39,652	44,109	46,506	48,756	48,250	49,477	52,205	55,571	61,190
Science and engineering .....	18,007	20,150	20,879	21,321	20,579	20,088	21,396	23,614	26,282
Engineering .....	7,899	9,119	9,357	9,696	8,995	8,634	9,158	9,822	10,998
Sciences .....	10,108	11,031	11,522	11,625	11,584	11,454	12,238	13,792	15,284
Natural sciences .....	7,316	8,062	8,418	8,335	8,325	8,155	8,774	10,230	11,693
Physical science <sup>1</sup> .....	1,538	1,602	1,770	1,755	1,735	1,646	1,500	1,335	1,413
Mathematical science .....	1,112	1,138	1,095	1,156	1,081	1,001	1,029	1,147	1,255
Computer science .....	3,169	3,779	3,912	3,880	3,871	3,935	4,747	6,491	7,690
Biological science .....	795	849	933	880	977	908	891	738	862
Agricultural science .....	702	694	708	664	661	665	607	519	473
Social sciences .....	2,792	2,969	3,104	3,290	3,259	3,299	3,464	3,562	3,591
Social science .....	2,490	2,637	2,743	2,806	2,820	2,882	2,995	3,080	3,121
Psychology .....	302	332	361	484	439	417	469	482	470
Non-S&E <sup>2</sup> .....	21,645	23,959	25,627	27,435	27,671	29,389	30,809	31,957	34,908

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total, all fields .....	162,299	169,753	176,762	179,198	180,360	181,457	185,061	191,234	193,006
Science and engineering .....	49,768	53,102	55,461	55,803	54,928	52,181	52,219	50,702	52,092
Engineering .....	21,345	23,565	24,286	23,986	23,005	21,176	20,970	20,383	20,876
Sciences .....	28,423	29,537	31,175	31,817	31,923	31,005	31,249	30,319	31,216
Natural sciences .....	17,480	18,076	18,813	18,926	19,185	18,551	18,834	19,074	20,144
Physical science <sup>1</sup> .....	3,895	3,803	4,030	4,000	3,968	3,758	3,464	3,130	3,239
Mathematical science .....	2,457	2,468	2,541	2,549	2,468	2,245	2,207	1,888	1,963
Computer science .....	6,884	7,411	7,727	7,630	7,500	7,252	8,000	9,219	10,308
Biological science .....	2,316	2,365	2,475	2,616	2,925	3,048	2,994	2,786	2,705
Agricultural science .....	1,928	2,029	2,040	2,131	2,324	2,248	2,169	2,051	1,929
Social sciences .....	10,943	11,461	12,362	12,891	12,738	12,454	12,415	11,245	11,072
Social science .....	7,939	8,419	8,945	8,981	8,910	8,585	8,680	7,688	7,444
Psychology .....	3,004	3,042	3,417	3,910	3,828	3,869	3,735	3,557	3,628
Non-S&E <sup>2</sup> .....	112,531	116,651	121,301	123,395	125,432	129,276	132,842	140,532	140,914
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	136,062	140,932	146,621	148,039	150,310	151,256	153,581	158,445	156,865
Science and engineering .....	36,063	37,737	39,700	39,784	39,968	37,795	37,164	34,864	34,341
Engineering .....	14,350	15,542	16,140	15,624	15,402	13,990	13,535	12,588	12,132
Sciences .....	21,713	22,195	23,560	24,160	24,566	23,805	23,629	22,276	22,209
Natural sciences .....	12,393	12,504	12,985	13,134	13,545	13,085	13,061	12,748	12,871
Physical science <sup>1</sup> .....	2,784	2,685	2,794	2,778	2,781	2,618	2,483	2,235	2,303
Mathematical science .....	1,745	1,717	1,803	1,765	1,758	1,582	1,542	1,235	1,210
Computer science .....	4,504	4,600	4,779	4,725	4,613	4,416	4,628	5,028	5,329
Biological science .....	1,931	1,959	2,013	2,164	2,470	2,638	2,602	2,499	2,346
Agricultural science .....	1,429	1,543	1,596	1,702	1,923	1,831	1,806	1,751	1,683
Social sciences .....	9,320	9,691	10,575	11,026	11,021	10,720	10,568	9,528	9,338
Social science .....	6,411	6,760	7,288	7,264	7,317	6,978	6,949	6,096	5,838
Psychology .....	2,909	2,931	3,287	3,762	3,704	3,742	3,619	3,432	3,500
Non-S&E <sup>2</sup> .....	99,999	103,195	106,921	108,255	110,342	113,461	116,417	123,581	122,524
White, non-Hispanics									
Total, all fields .....	110,797	113,717	116,758	116,655	117,559	117,942	118,464	117,915	113,706
Science and engineering .....	28,113	29,493	30,846	30,464	30,591	28,930	28,066	25,279	24,330
Engineering .....	10,775	11,777	12,232	11,581	11,383	10,385	9,862	8,971	8,412
Sciences .....	17,338	17,716	18,614	18,883	19,208	18,545	18,204	16,308	15,918
Natural sciences .....	9,675	9,837	9,964	10,031	10,429	10,104	9,877	9,189	9,048
Physical science <sup>1</sup> .....	2,234	2,229	2,252	2,256	2,288	2,172	2,044	1,804	1,851
Mathematical science .....	1,389	1,332	1,420	1,354	1,326	1,239	1,201	948	899
Computer science .....	3,236	3,326	3,309	3,231	3,170	2,978	3,040	3,031	3,103
Biological science .....	1,566	1,593	1,643	1,740	1,958	2,108	2,008	1,883	1,728
Agricultural science .....	1,250	1,357	1,340	1,450	1,687	1,607	1,584	1,523	1,467
Social sciences .....	7,663	7,879	8,650	8,852	8,779	8,441	8,327	7,119	6,870
Social science .....	5,276	5,453	5,880	5,750	5,758	5,428	5,457	4,600	4,295
Psychology .....	2,387	2,426	2,770	3,102	3,021	3,013	2,870	2,519	2,575
Non-S&E <sup>2</sup> .....	82,684	84,224	85,912	86,191	86,968	89,012	90,398	92,636	89,376

See explanatory information and SOURCE at end of table.

**Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	6,823	7,125	7,791	8,385	8,877	8,585	9,638	10,105	10,144
Science and engineering .....	3,276	3,237	3,561	3,733	3,726	3,453	3,707	3,784	3,837
Engineering .....	1,816	1,819	1,932	2,023	2,000	1,758	1,823	1,719	1,786
Sciences .....	1,460	1,418	1,629	1,710	1,726	1,695	1,884	2,065	2,051
Natural sciences .....	1,169	1,149	1,279	1,359	1,361	1,324	1,503	1,697	1,659
Physical science <sup>1</sup> .....	206	150	182	187	168	168	150	154	143
Mathematical science .....	103	121	126	134	132	125	111	95	102
Computer science .....	705	710	785	785	775	755	909	1,124	1,148
Biological science .....	125	136	151	209	237	244	290	287	232
Agricultural science .....	30	32	35	44	49	32	43	37	34
Social sciences .....	291	269	350	351	365	371	381	368	392
Social science .....	229	219	276	272	287	285	288	258	265
Psychology .....	62	50	74	79	78	86	93	110	127
Non-S&E <sup>2</sup> .....	3,547	3,888	4,230	4,652	5,151	5,132	5,931	6,321	6,307
Underrepresented minorities, total									
Total, all fields .....	10,676	11,903	13,144	13,984	14,735	15,607	16,694	19,091	19,467
Science and engineering .....	2,340	2,637	2,964	3,143	3,197	3,370	3,418	3,570	3,674
Engineering .....	775	924	1,052	1,082	1,095	1,084	1,145	1,150	1,112
Sciences .....	1,565	1,713	1,912	2,061	2,102	2,286	2,273	2,420	2,562
Natural sciences .....	728	764	899	905	912	975	952	1,043	1,202
Physical science <sup>1</sup> .....	144	142	167	185	145	171	181	155	181
Mathematical science .....	92	102	111	122	140	135	126	111	116
Computer science .....	283	308	337	361	347	365	363	456	552
Biological science .....	137	132	125	136	170	187	173	207	248
Agricultural science .....	72	80	159	101	110	117	109	114	105
Social sciences .....	837	949	1,013	1,156	1,190	1,311	1,321	1,377	1,360
Social science .....	556	672	692	734	749	809	806	807	773
Psychology .....	281	277	321	422	441	502	515	570	587
Non-S&E <sup>2</sup> .....	8,336	9,266	10,180	10,841	11,538	12,237	13,276	15,521	15,793
Black, non-Hispanics									
Total, all fields .....	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309	10,401
Science and engineering .....	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679	1,758
Engineering .....	332	407	422	464	464	449	470	451	453
Sciences .....	834	846	954	1,070	1,101	1,168	1,176	1,228	1,305
Natural sciences .....	382	386	435	434	467	484	485	478	574
Physical science <sup>1</sup> .....	66	58	74	86	59	74	81	65	82
Mathematical science .....	44	48	62	64	78	77	71	48	69
Computer science .....	175	193	205	199	205	208	229	256	286
Biological science .....	61	47	48	50	76	69	68	72	92
Agricultural science .....	36	40	46	35	49	56	36	37	45
Social sciences .....	452	460	519	636	634	684	691	750	731
Social science .....	315	345	358	418	391	426	431	433	418
Psychology .....	137	115	161	218	243	258	260	317	313
Non-S&E <sup>2</sup> .....	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630	8,643

See explanatory information and SOURCE at end of table.

**Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004	8,238
Science and engineering .....	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716	1,721
Engineering .....	408	480	582	578	580	589	629	651	616
Sciences .....	658	775	845	880	898	987	967	1,065	1,105
Natural sciences .....	309	341	414	423	402	435	415	498	556
Physical science <sup>1</sup> .....	64	76	80	88	80	86	87	77	90
Mathematical science .....	47	50	44	53	57	50	51	57	41
Computer science .....	98	104	120	151	125	141	123	183	235
Biological science .....	69	76	65	75	85	107	96	122	141
Agricultural science .....	31	35	105	56	55	51	58	59	49
Social sciences .....	349	434	431	457	496	552	552	567	549
Social science .....	218	282	290	283	320	344	333	329	304
Psychology .....	131	152	141	174	176	208	219	238	245
Non-S&E <sup>2</sup> .....	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288	6,517
American Indians or Alaskan Natives									
Total, all fields .....	501	556	654	623	665	697	739	778	828
Science and engineering .....	108	129	161	151	154	177	176	175	195
Engineering .....	35	37	48	40	51	46	46	48	43
Sciences .....	73	92	113	111	103	131	130	127	152
Natural sciences .....	37	37	50	48	43	56	52	67	72
Physical science <sup>1</sup> .....	14	8	13	11	6	11	13	13	9
Mathematical science .....	1	4	5	5	5	8	4	6	6
Computer science .....	10	11	12	11	17	16	11	17	31
Biological science .....	7	9	12	11	9	11	9	13	15
Agricultural science .....	5	5	8	10	6	10	15	18	11
Social sciences .....	36	55	63	63	60	75	78	60	80
Social science .....	23	45	44	33	38	39	42	45	51
Psychology .....	13	10	19	30	22	36	36	15	29
Non-S&E <sup>2</sup> .....	393	427	493	472	511	520	563	603	633
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	7,766	8,187	8,928	9,015	9,139	9,122	8,785	11,334	13,548
Science and engineering .....	2,334	2,370	2,329	2,444	2,454	2,042	1,973	2,231	2,500
Engineering .....	984	1,022	924	938	924	763	705	748	822
Sciences .....	1,350	1,348	1,405	1,506	1,530	1,279	1,268	1,483	1,678
Natural sciences .....	821	754	843	839	843	682	729	819	962
Physical science <sup>1</sup> .....	200	164	193	150	180	107	108	122	128
Mathematical science .....	161	162	146	155	160	83	104	81	93
Computer science .....	280	256	348	348	321	318	316	417	526
Biological science .....	103	98	94	79	105	99	131	122	138
Agricultural science .....	77	74	62	107	77	75	70	77	77
Social sciences .....	529	594	562	667	687	597	539	664	716
Social science .....	350	416	440	508	523	456	398	431	505
Psychology .....	179	178	122	159	164	141	141	233	211
Non-S&E <sup>2</sup> .....	5,432	5,817	6,599	6,571	6,685	7,080	6,812	9,103	11,048

See explanatory information and SOURCE at end of table.



**Table 8. Number of earned master's degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	26,237	28,821	30,141	31,159	30,050	30,201	31,480	32,789	36,141
Science and engineering .....	13,705	15,365	15,761	16,019	14,960	14,386	15,055	15,838	17,751
Engineering .....	6,995	8,023	8,146	8,362	7,603	7,186	7,435	7,795	8,744
Sciences .....	6,710	7,342	7,615	7,657	7,357	7,200	7,620	8,043	9,007
Natural sciences .....	5,087	5,572	5,828	5,792	5,640	5,466	5,773	6,326	7,273
Physical science <sup>1</sup> .....	1,111	1,118	1,236	1,222	1,187	1,140	981	895	936
Mathematical science .....	712	751	738	784	710	663	665	653	753
Computer science .....	2,380	2,811	2,948	2,905	2,887	2,836	3,372	4,191	4,979
Biological science .....	385	406	462	452	455	410	392	287	359
Agricultural science .....	499	486	444	429	401	417	363	300	246
Social sciences .....	1,623	1,770	1,787	1,865	1,717	1,734	1,847	1,717	1,734
Social science .....	1,528	1,659	1,657	1,717	1,593	1,607	1,731	1,592	1,606
Psychology .....	95	111	130	148	124	127	116	125	128
Non-S&E <sup>2</sup> .....	12,532	13,456	14,380	15,140	15,090	15,815	16,425	16,951	18,390

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total, all fields .....	191,908	201,220	212,246	220,230	228,572	239,497	246,810	265,026	273,639
Science and engineering .....	26,416	28,313	30,619	32,628	33,802	34,516	34,925	37,489	39,276
Engineering .....	3,665	4,093	4,421	4,631	4,752	4,694	5,158	5,339	5,619
Sciences .....	22,751	24,220	26,198	27,997	29,050	29,822	29,767	32,150	33,657
Natural sciences .....	9,295	9,637	10,056	10,366	11,168	11,368	11,698	13,156	14,068
Physical science <sup>1</sup> .....	1,457	1,562	1,658	1,735	1,886	1,821	1,934	1,728	1,865
Mathematical science .....	1,562	1,616	1,567	1,641	1,569	1,545	1,493	1,534	1,412
Computer science .....	2,646	2,756	2,694	2,702	2,723	2,855	3,270	4,629	5,271
Biological science .....	2,500	2,433	2,742	2,807	3,282	3,449	3,289	3,442	3,678
Agricultural science .....	1,130	1,270	1,395	1,481	1,708	1,698	1,712	1,823	1,842
Social sciences .....	13,456	14,583	16,142	17,631	17,882	18,454	18,069	18,994	19,589
Social science .....	6,180	6,605	7,285	7,520	7,848	7,881	7,894	8,011	7,968
Psychology .....	7,276	7,978	8,857	10,111	10,034	10,573	10,175	10,983	11,621
Non-S&E <sup>2</sup> .....	165,492	172,907	181,627	187,602	194,770	204,981	211,885	227,537	234,363
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	178,493	185,932	195,881	202,633	210,372	220,221	226,085	242,244	248,590
Science and engineering .....	22,114	23,528	25,501	27,326	28,183	28,814	28,584	29,713	30,745
Engineering .....	2,761	2,997	3,210	3,297	3,360	3,246	3,435	3,312	3,365
Sciences .....	19,353	20,531	22,291	24,029	24,823	25,568	25,149	26,401	27,380
Natural sciences .....	7,066	7,147	7,466	7,823	8,483	8,679	8,697	9,252	9,648
Physical science <sup>1</sup> .....	1,030	1,078	1,124	1,202	1,338	1,315	1,415	1,288	1,388
Mathematical science .....	1,162	1,229	1,210	1,269	1,198	1,207	1,129	1,040	910
Computer science .....	1,857	1,788	1,730	1,727	1,739	1,756	1,895	2,329	2,560
Biological science .....	2,090	1,990	2,271	2,379	2,760	2,951	2,790	2,991	3,175
Agricultural science .....	927	1,062	1,131	1,246	1,448	1,450	1,468	1,604	1,615
Social sciences .....	12,287	13,384	14,825	16,206	16,340	16,889	16,452	17,149	17,732
Social science .....	5,218	5,627	6,199	6,431	6,621	6,606	6,630	6,523	6,453
Psychology .....	7,069	7,757	8,626	9,775	9,719	10,283	9,822	10,626	11,279
Non-S&E <sup>2</sup> .....	156,379	162,404	170,380	175,307	182,189	191,407	197,501	212,531	217,845
White, non-Hispanics									
Total, all fields .....	146,265	151,951	157,155	160,782	165,154	170,411	173,498	179,311	179,684
Science and engineering .....	17,536	18,482	19,865	20,953	21,200	21,358	20,981	20,910	20,972
Engineering .....	1,977	2,143	2,237	2,240	2,190	2,105	2,217	2,036	2,035
Sciences .....	15,559	16,339	17,628	18,713	19,010	19,253	18,764	18,874	18,937
Natural sciences .....	5,461	5,485	5,560	5,758	6,243	6,243	6,257	6,387	6,441
Physical science <sup>1</sup> .....	833	849	893	923	1,038	1,001	1,085	1,007	1,067
Mathematical science .....	947	1,022	959	988	901	906	835	768	665
Computer science .....	1,171	1,138	977	974	943	890	936	1,030	1,052
Biological science .....	1,685	1,551	1,810	1,849	2,122	2,234	2,148	2,229	2,325
Agricultural science .....	825	925	921	1,024	1,239	1,212	1,253	1,353	1,332
Social sciences .....	10,098	10,854	12,068	12,955	12,767	13,010	12,507	12,487	12,496
Social science .....	4,247	4,470	4,878	4,950	5,049	4,922	4,956	4,689	4,552
Psychology .....	5,851	6,384	7,190	8,005	7,718	8,088	7,551	7,798	7,944
Non-S&E <sup>2</sup> .....	128,729	133,469	137,290	139,829	143,954	149,053	152,517	158,401	158,712

See explanatory information and SOURCE at end of table.

**Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Asians/Pacific Islanders									
Total, all fields .....	5,470	6,044	6,768	7,521	8,404	9,327	10,298	11,307	11,802
Science and engineering .....	1,487	1,609	1,861	1,950	2,216	2,392	2,471	2,825	2,792
Engineering .....	407	441	511	549	621	561	627	660	627
Sciences .....	1,080	1,168	1,350	1,401	1,595	1,831	1,844	2,165	2,165
Natural sciences .....	747	769	880	921	1,044	1,163	1,176	1,404	1,411
Physical science <sup>1</sup> .....	89	99	102	101	136	140	128	108	106
Mathematical science .....	98	76	107	105	103	123	104	108	110
Computer science .....	400	396	443	454	462	513	618	831	835
Biological science .....	139	169	181	208	282	314	286	299	297
Agricultural science .....	21	29	47	53	61	73	40	58	63
Social sciences .....	333	399	470	480	551	668	668	761	754
Social science .....	212	258	274	261	299	380	367	386	372
Psychology .....	121	141	196	219	252	288	301	375	382
Non-S&E <sup>2</sup> .....	3,983	4,435	4,907	5,571	6,188	6,935	7,827	8,482	9,010
Underrepresented minorities, total									
Total, all fields .....	18,228	19,709	22,587	24,417	26,940	29,545	31,289	37,116	40,029
Science and engineering .....	2,020	2,262	2,672	3,080	3,355	3,661	3,758	4,204	4,896
Engineering .....	221	271	316	337	383	408	430	424	484
Sciences .....	1,799	1,991	2,356	2,743	2,972	3,253	3,328	3,780	4,412
Natural sciences .....	530	594	670	720	768	851	835	944	1,177
Physical science <sup>1</sup> .....	65	89	90	110	108	128	138	113	137
Mathematical science .....	55	82	79	115	108	107	126	99	86
Computer science .....	197	176	215	200	229	234	220	304	427
Biological science .....	170	180	172	213	236	280	226	302	395
Agricultural science .....	43	67	114	82	87	102	125	126	132
Social sciences .....	1,269	1,397	1,686	2,023	2,204	2,402	2,493	2,836	3,235
Social science .....	562	610	751	841	909	910	972	1,040	1,054
Psychology .....	707	787	935	1,182	1,295	1,492	1,521	1,796	2,181
Non-S&E <sup>2</sup> .....	16,208	17,447	19,915	21,337	23,585	25,884	27,531	32,912	35,133
Black, non-Hispanics									
Total, all fields .....	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996	24,658
Science and engineering .....	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436	2,864
Engineering .....	134	157	167	201	210	225	244	207	246
Sciences .....	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229	2,618
Natural sciences .....	317	330	386	447	465	526	472	525	659
Physical science <sup>1</sup> .....	32	47	53	61	57	70	65	59	69
Mathematical science .....	33	50	47	87	73	80	79	55	50
Computer science .....	141	115	160	148	174	169	147	216	270
Biological science .....	88	88	94	112	122	167	122	148	219
Agricultural science .....	23	30	32	39	39	40	59	47	51
Social sciences .....	739	814	920	1,157	1,278	1,449	1,394	1,704	1,959
Social science .....	345	385	445	512	574	584	581	628	613
Psychology .....	394	429	475	645	704	865	813	1,076	1,346
Non-S&E <sup>2</sup> .....	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560	21,794

See explanatory information and SOURCE at end of table.

**Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Hispanics									
Total, all fields .....	5,875	6,496	7,694	8,180	9,322	9,894	10,568	12,799	13,925
Science and engineering .....	740	837	1,087	1,127	1,252	1,306	1,475	1,603	1,814
Engineering .....	80	101	137	133	168	176	178	201	221
Sciences .....	660	736	950	994	1,084	1,130	1,297	1,402	1,593
Natural sciences .....	194	233	266	242	275	285	322	384	462
Physical science <sup>1</sup> .....	29	38	34	41	47	53	62	49	57
Mathematical science .....	19	28	31	22	34	21	40	40	33
Computer science .....	51	58	49	47	48	56	70	79	136
Biological science .....	77	75	73	92	106	101	92	142	162
Agricultural science .....	18	34	79	40	40	54	58	74	74
Social sciences .....	466	503	684	752	809	845	975	1,018	1,131
Social science .....	178	192	267	270	276	282	343	357	374
Psychology .....	288	311	417	482	533	563	632	661	757
Non-S&E <sup>2</sup> .....	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196	12,111
American Indians or Alaskan Natives									
Total, all fields .....	727	788	964	919	1,028	1,147	1,212	1,321	1,446
Science and engineering .....	90	124	112	148	150	155	173	165	218
Engineering .....	7	13	12	3	5	7	8	16	17
Sciences .....	83	111	100	145	145	148	165	149	201
Natural sciences .....	19	31	18	31	28	40	41	35	56
Physical science <sup>1</sup> .....	4	4	3	8	4	5	11	5	11
Mathematical science .....	3	4	1	6	1	6	7	4	3
Computer science .....	5	3	6	5	7	9	3	9	21
Biological science .....	5	17	5	9	8	12	12	12	14
Agricultural science .....	2	3	3	3	8	8	8	5	7
Social sciences .....	64	80	82	114	117	108	124	114	145
Social science .....	39	33	39	59	59	44	48	55	67
Psychology .....	25	47	43	55	58	64	76	59	78
Non-S&E <sup>2</sup> .....	637	664	852	771	878	992	1,039	1,156	1,228
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	8,530	8,228	9,371	9,913	9,874	10,938	11,000	14,510	17,075
Science and engineering .....	1,071	1,175	1,103	1,343	1,412	1,403	1,374	1,774	2,085
Engineering .....	156	142	146	171	166	172	161	192	219
Sciences .....	915	1,033	957	1,172	1,246	1,231	1,213	1,582	1,866
Natural sciences .....	328	299	356	424	428	422	429	517	619
Physical science <sup>1</sup> .....	43	41	39	68	56	46	64	60	78
Mathematical science .....	62	49	65	61	86	71	64	65	49
Computer science .....	89	78	95	99	105	119	121	164	246
Biological science .....	96	90	108	109	120	123	130	161	158
Agricultural science .....	38	41	49	87	61	63	50	67	88
Social sciences .....	587	734	601	748	818	809	784	1,065	1,247
Social science .....	197	289	296	379	364	394	335	408	475
Psychology .....	390	445	305	369	454	415	449	657	772
Non-S&E <sup>2</sup> .....	7,459	7,053	8,268	8,570	8,462	9,535	9,626	12,736	14,990

See explanatory information and SOURCE at end of table.

**Table 9. Number of earned master's degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	13,415	15,288	16,365	17,597	18,200	19,276	20,725	22,782	25,049
Science and engineering .....	4,302	4,785	5,118	5,302	5,619	5,702	6,341	7,776	8,531
Engineering .....	904	1,096	1,211	1,334	1,392	1,448	1,723	2,027	2,254
Sciences .....	3,398	3,689	3,907	3,968	4,227	4,254	4,618	5,749	6,277
Natural sciences .....	2,229	2,490	2,590	2,543	2,685	2,689	3,001	3,904	4,420
Physical science <sup>1</sup> .....	427	484	534	533	548	506	519	440	477
Mathematical science .....	400	387	357	372	371	338	364	494	502
Computer science .....	789	968	964	975	984	1,099	1,375	2,300	2,711
Biological science .....	410	443	471	428	522	498	499	451	503
Agricultural science .....	203	208	264	235	260	248	244	219	227
Social sciences .....	1,169	1,199	1,317	1,425	1,542	1,565	1,617	1,845	1,857
Social science .....	962	978	1,086	1,089	1,227	1,275	1,264	1,488	1,515
Psychology .....	207	221	231	336	315	290	353	357	342
Non-S&E <sup>2</sup> .....	9,113	10,503	11,247	12,295	12,581	13,574	14,384	15,006	16,518

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only. No racial/ethnic data are collected for this group.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

See section C for specific fields included in each category.

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

**Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total										
Total, all fields .....	38,889	39,800	41,033	41,748	42,436	42,556	42,652	41,098	41,356	40,790
Science and engineering .....	24,674	25,443	26,203	26,535	27,240	27,240	27,283	25,939	25,962	25,525
Engineering .....	5,438	5,698	5,821	6,008	6,309	6,118	5,926	5,332	5,319	5,501
Sciences .....	19,236	19,745	20,382	20,527	20,931	21,122	21,357	20,607	20,643	20,024
Natural sciences .....	12,363	12,556	13,102	13,220	13,433	13,450	13,626	12,870	12,871	12,503
Physical science <sup>1</sup> .....	4,574	4,470	4,801	4,621	4,633	4,647	4,639	4,384	4,165	4,136
Mathematical science .....	1,058	1,146	1,118	1,190	1,122	1,123	1,177	1,083	1,050	1,007
Computer science .....	869	880	903	997	920	909	927	855	859	826
Biological science .....	4,799	5,092	5,202	5,376	5,723	5,789	5,846	5,582	5,854	5,687
Agricultural science .....	1,063	968	1,078	1,036	1,035	982	1,037	966	943	847
Social sciences .....	6,873	7,189	7,280	7,307	7,498	7,672	7,731	7,737	7,772	7,521
Social science .....	3,610	3,769	3,901	3,878	4,003	4,111	4,055	4,064	4,154	4,077
Psychology .....	3,263	3,420	3,379	3,429	3,495	3,561	3,676	3,673	3,618	3,444
Non-S&E <sup>2</sup> .....	14,215	14,357	14,830	15,213	15,196	15,316	15,369	15,159	15,394	15,265
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	27,989	28,708	30,896	32,059	31,540	31,091	31,159	30,294	29,923	28,857
Science and engineering .....	15,941	16,574	18,187	18,996	18,647	18,397	18,257	17,567	17,116	16,331
Engineering .....	2,520	2,697	3,053	3,342	3,389	3,332	3,045	2,889	2,572	2,438
Sciences .....	13,421	13,877	15,134	15,654	15,258	15,065	15,212	14,678	14,544	13,893
Natural sciences .....	8,034	8,191	9,306	9,749	9,230	9,059	9,098	8,518	8,403	8,128
Physical science <sup>1</sup> .....	2,897	2,834	3,402	3,435	3,129	3,104	3,017	2,803	2,601	2,511
Mathematical science .....	507	590	657	771	648	629	669	605	574	524
Computer science .....	489	509	543	616	514	520	561	492	458	423
Biological science .....	3,568	3,752	4,088	4,329	4,364	4,256	4,308	4,124	4,268	4,241
Agricultural science .....	573	506	616	598	575	550	543	494	502	429
Social sciences .....	5,387	5,686	5,828	5,905	6,028	6,006	6,114	6,160	6,141	5,765
Social science .....	2,401	2,525	2,692	2,721	2,795	2,877	2,840	2,867	2,910	2,733
Psychology .....	2,986	3,161	3,136	3,184	3,233	3,129	3,274	3,293	3,231	3,032
Non-S&E <sup>2</sup> .....	12,048	12,134	12,709	13,063	12,893	12,694	12,902	12,727	12,807	12,526
White, non-Hispanics										
Total, all fields .....	23,617	24,036	24,574	24,686	24,670	23,962	24,273	23,895	23,697	22,675
Science and engineering .....	13,321	13,730	13,883	13,887	13,996	13,828	14,003	13,720	13,439	12,751
Engineering .....	1,879	2,024	2,021	2,092	2,263	2,288	2,170	2,110	1,889	1,747
Sciences .....	11,442	11,706	11,862	11,795	11,733	11,540	11,833	11,610	11,550	11,004
Natural sciences .....	6,821	6,833	7,000	6,960	6,781	6,781	6,981	6,662	6,643	6,419
Physical science <sup>1</sup> .....	2,457	2,366	2,528	2,387	2,335	2,372	2,380	2,274	2,121	2,045
Mathematical science .....	425	476	479	535	478	479	526	506	464	428
Computer science .....	378	409	401	450	356	361	412	356	336	322
Biological science .....	3,068	3,144	3,105	3,115	3,170	3,158	3,246	3,128	3,308	3,253
Agricultural science .....	493	438	487	473	442	411	417	398	414	371
Social sciences .....	4,621	4,873	4,862	4,835	4,952	4,759	4,852	4,948	4,907	4,585
Social science .....	1,986	2,070	2,133	2,113	2,208	2,236	2,207	2,246	2,302	2,132
Psychology .....	2,635	2,803	2,729	2,722	2,744	2,523	2,645	2,702	2,605	2,453
Non-S&E <sup>2</sup> .....	10,296	10,306	10,691	10,799	10,674	10,134	10,270	10,175	10,258	9,924

See explanatory information and SOURCE at end of table.

**Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Asians/Pacific Islanders										
Total, all fields .....	1,754	2,002	3,533	4,297	3,674	3,109	2,707	2,495	2,273	2,217
Science and engineering .....	1,337	1,599	2,981	3,659	3,079	2,529	2,135	1,932	1,707	1,648
Engineering .....	450	526	865	1,032	896	707	554	512	439	425
Sciences .....	887	1,073	2,116	2,627	2,183	1,822	1,581	1,420	1,268	1,223
Natural sciences .....	695	833	1,736	2,195	1,794	1,458	1,247	1,088	946	920
Physical science <sup>1</sup> .....	253	282	687	853	578	470	382	291	231	237
Mathematical science .....	51	79	142	207	140	97	71	56	70	48
Computer science .....	86	77	116	137	111	107	90	87	76	61
Biological science .....	268	366	719	920	885	721	657	608	539	558
Agricultural science .....	37	29	72	78	80	63	47	46	30	16
Social sciences .....	192	240	380	432	389	364	334	332	322	303
Social science .....	136	167	272	311	268	238	221	200	176	181
Psychology .....	56	73	108	121	121	126	113	132	146	122
Non-S&E <sup>2</sup> .....	417	403	552	638	595	580	572	563	566	569
Underrepresented minorities, total										
Total, all fields .....	2,167	2,370	2,450	2,673	2,745	2,839	3,121	3,300	3,225	3,150
Science and engineering .....	986	1,053	1,110	1,191	1,293	1,352	1,495	1,550	1,527	1,447
Engineering .....	131	118	125	156	187	211	205	193	171	189
Sciences .....	855	935	985	1,035	1,106	1,141	1,290	1,357	1,356	1,258
Natural sciences .....	373	418	474	467	501	525	579	591	599	562
Physical science <sup>1</sup> .....	132	146	157	139	157	156	146	179	179	152
Mathematical science .....	18	25	26	22	20	28	46	28	31	36
Computer science .....	15	14	18	17	32	21	33	33	33	24
Biological science .....	177	196	225	249	249	265	291	311	308	319
Agricultural science .....	31	37	48	40	43	55	63	40	48	31
Social sciences .....	482	517	511	568	605	616	711	766	757	696
Social science .....	231	253	242	259	263	275	314	344	335	330
Psychology .....	251	264	269	309	342	341	397	422	422	366
Non-S&E <sup>2</sup> .....	1,181	1,317	1,340	1,482	1,452	1,487	1,626	1,750	1,698	1,703
Black, non-Hispanics										
Total, all fields .....	1,109	1,278	1,277	1,461	1,446	1,474	1,605	1,762	1,748	1,729
Science and engineering .....	404	468	498	550	572	615	645	714	710	701
Engineering .....	49	50	53	70	74	98	82	98	81	92
Sciences .....	355	418	445	480	498	517	563	616	629	609
Natural sciences .....	115	150	173	185	205	206	224	250	237	245
Physical science <sup>1</sup> .....	31	45	52	45	63	59	64	80	69	60
Mathematical science .....	4	8	11	5	8	7	16	12	14	19
Computer science .....	5	6	10	11	12	4	14	18	18	15
Biological science .....	62	75	78	107	98	112	111	116	118	139
Agricultural science .....	13	16	22	17	24	24	19	24	18	12
Social sciences .....	240	268	272	295	293	311	339	366	392	364
Social science .....	137	150	148	146	141	159	181	194	203	190
Psychology .....	103	118	124	149	152	152	158	172	189	174
Non-S&E <sup>2</sup> .....	705	810	779	911	874	859	960	1,048	1,038	1,028

See explanatory information and SOURCE at end of table.

**Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Hispanics										
Total, all fields .....	909	972	1,030	1,064	1,113	1,198	1,327	1,324	1,308	1,270
Science and engineering .....	513	542	548	573	626	658	754	722	729	672
Engineering .....	71	66	66	77	99	96	110	83	82	90
Sciences .....	442	476	482	496	527	562	644	639	647	582
Natural sciences .....	228	249	274	255	257	293	315	303	324	287
Physical science <sup>1</sup> .....	88	92	98	86	86	85	70	84	96	80
Mathematical science .....	12	16	13	15	11	20	27	15	15	15
Computer science .....	8	7	7	6	16	16	15	14	14	8
Biological science .....	102	114	131	127	131	146	168	175	173	165
Agricultural science .....	18	20	25	21	13	26	35	15	26	19
Social sciences .....	214	227	208	241	270	269	329	336	323	295
Social science .....	81	96	75	95	97	98	121	121	112	120
Psychology .....	133	131	133	146	173	171	208	215	211	175
Non-S&E <sup>2</sup> .....	396	430	482	491	487	540	573	602	579	598
American Indians or Alaskan Natives										
Total, all fields .....	149	120	143	148	186	167	189	214	169	151
Science and engineering .....	69	43	64	68	95	79	96	114	88	74
Engineering .....	11	2	6	9	14	17	13	12	8	7
Sciences .....	58	41	58	59	81	62	83	102	80	67
Natural sciences .....	30	19	27	27	39	26	40	38	38	30
Physical science <sup>1</sup> .....	13	9	7	8	8	12	12	15	14	12
Mathematical science .....	2	1	2	2	1	1	3	1	2	2
Computer science .....	2	1	1	0	4	1	4	1	1	1
Biological science .....	13	7	16	15	20	7	12	20	17	15
Agricultural science .....	0	1	1	2	6	5	9	1	4	0
Social sciences .....	28	22	31	32	42	36	43	64	42	37
Social science .....	13	7	19	18	25	18	12	29	20	20
Psychology .....	15	15	12	14	17	18	31	35	22	17
Non-S&E <sup>2</sup> .....	80	77	79	80	91	88	93	100	81	77
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	451	300	339	403	451	1,181	1,058	604	728	815
Science and engineering .....	297	192	213	259	279	688	624	365	443	485
Engineering .....	60	29	42	62	43	126	116	74	73	77
Sciences .....	237	163	171	197	236	562	508	291	370	408
Natural sciences .....	145	107	96	127	154	295	291	177	215	227
Physical science <sup>1</sup> .....	55	40	30	56	59	106	109	59	70	77
Mathematical science .....	13	10	10	7	10	25	26	15	9	12
Computer science .....	10	9	8	12	15	31	26	16	13	16
Biological science .....	55	46	39	45	60	112	114	77	113	111
Agricultural science .....	12	2	9	7	10	21	16	10	10	11
Social sciences .....	92	56	75	70	82	267	217	114	155	181
Social science .....	48	35	45	38	56	128	98	77	97	90
Psychology .....	44	21	30	32	26	139	119	37	58	91
Non-S&E <sup>2</sup> .....	154	108	126	144	172	493	434	239	285	330

See explanatory information and SOURCE at end of table.



**Table 10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Nonresident aliens <sup>4</sup>										
Total, all fields .....	9,953	9,932	9,403	8,814	9,617	9,193	9,496	9,058	9,652	9,824
Science and engineering .....	8,092	8,113	7,519	6,994	7,809	7,509	7,776	7,239	7,650	7,956
Engineering .....	2,743	2,784	2,652	2,524	2,723	2,555	2,582	2,193	2,448	2,786
Sciences .....	5,349	5,329	4,867	4,470	5,086	4,954	5,194	5,046	5,202	5,170
Natural sciences .....	4,089	4,056	3,605	3,248	3,843	3,800	3,990	3,889	3,963	3,867
Physical science <sup>1</sup> .....	1,582	1,498	1,304	1,103	1,345	1,315	1,419	1,369	1,358	1,471
Mathematical science .....	511	517	448	382	442	441	447	444	443	436
Computer science .....	365	348	343	365	375	330	328	330	362	360
Biological science .....	1,159	1,246	1,057	969	1,241	1,322	1,334	1,287	1,385	1,241
Agricultural science .....	472	447	453	429	440	392	462	459	415	359
Social sciences .....	1,260	1,273	1,262	1,222	1,243	1,154	1,204	1,157	1,239	1,303
Social science .....	1,104	1,125	1,111	1,058	1,063	1,017	1,035	1,004	1,075	1,150
Psychology .....	156	148	151	164	180	137	169	153	164	153
Non-S&E <sup>2</sup> .....	1,861	1,819	1,884	1,820	1,808	1,684	1,720	1,819	2,002	1,868
Citizenship unknown										
Total, all fields .....	947	1,160	734	875	1,279	2,272	1,997	1,746	1,781	2,109
Science and engineering .....	641	756	497	545	784	1,334	1,250	1,133	1,196	1,238
Engineering .....	175	217	116	142	197	231	299	250	299	277
Sciences .....	466	539	381	403	587	1,103	951	883	897	961
Natural sciences .....	240	309	191	223	360	591	538	463	505	508
Physical science <sup>1</sup> .....	95	138	95	83	159	228	203	212	206	154
Mathematical science .....	40	39	13	37	32	53	61	34	33	47
Computer science .....	15	23	17	16	31	59	38	33	39	43
Biological science .....	72	94	57	78	118	211	204	171	201	205
Agricultural science .....	18	15	9	9	20	40	32	13	26	59
Social sciences .....	226	230	190	180	227	512	413	420	392	453
Social science .....	105	119	98	99	145	217	180	193	169	194
Psychology .....	121	111	92	81	82	295	233	227	223	259
Non-S&E <sup>2</sup> .....	306	404	237	330	495	938	747	613	585	871

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTE:** See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total										
Total, all fields .....	24,234	24,384	25,058	25,161	25,285	24,950	24,639	23,436	23,166	22,786
Science and engineering .....	17,421	17,568	18,164	18,117	18,453	18,088	17,815	16,737	16,518	16,167
Engineering .....	4,860	5,097	5,150	5,270	5,488	5,319	5,113	4,505	4,456	4,565
Sciences .....	12,561	12,471	13,014	12,847	12,965	12,769	12,702	12,232	12,062	11,602
Natural sciences .....	8,949	8,834	9,306	9,215	9,280	9,127	9,142	8,672	8,491	8,149
Physical science <sup>1</sup> .....	3,585	3,482	3,763	3,552	3,584	3,556	3,472	3,324	3,090	3,062
Mathematical science .....	841	865	879	919	881	851	872	803	790	731
Computer science .....	747	737	762	808	775	743	765	692	716	669
Biological science .....	2,952	3,014	3,075	3,132	3,286	3,262	3,295	3,171	3,226	3,132
Agricultural science .....	824	736	827	804	754	715	738	682	669	555
Social sciences .....	3,612	3,637	3,708	3,632	3,685	3,642	3,560	3,560	3,571	3,453
Social science .....	2,284	2,315	2,435	2,387	2,523	2,479	2,353	2,350	2,366	2,321
Psychology .....	1,328	1,322	1,273	1,245	1,162	1,163	1,207	1,210	1,205	1,132
Non-S&E <sup>2</sup> .....	6,813	6,816	6,894	7,044	6,832	6,862	6,824	6,699	6,648	6,619
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	15,807	15,981	17,369	17,872	17,203	16,883	16,538	15,893	15,294	14,631
Science and engineering .....	10,362	10,544	11,692	12,081	11,682	11,392	11,068	10,495	9,985	9,424
Engineering .....	2,192	2,348	2,604	2,822	2,863	2,819	2,587	2,397	2,081	1,961
Sciences .....	8,170	8,196	9,088	9,259	8,819	8,573	8,481	8,098	7,904	7,463
Natural sciences .....	5,584	5,557	6,389	6,575	6,139	5,949	5,892	5,490	5,286	5,053
Physical science <sup>1</sup> .....	2,235	2,193	2,633	2,582	2,389	2,351	2,240	2,097	1,888	1,821
Mathematical science .....	390	425	506	588	503	452	470	413	409	370
Computer science .....	406	399	449	473	423	419	437	387	372	325
Biological science .....	2,130	2,168	2,345	2,469	2,423	2,333	2,385	2,260	2,281	2,272
Agricultural science .....	423	372	456	463	401	394	360	333	336	265
Social sciences .....	2,586	2,639	2,699	2,684	2,680	2,624	2,589	2,608	2,618	2,410
Social science .....	1,380	1,418	1,530	1,557	1,632	1,609	1,531	1,544	1,565	1,428
Psychology .....	1,206	1,221	1,169	1,127	1,048	1,015	1,058	1,064	1,053	982
Non-S&E <sup>2</sup> .....	5,445	5,437	5,677	5,791	5,521	5,491	5,470	5,398	5,309	5,207
White, non-Hispanics										
Total, all fields .....	13,274	13,339	13,545	13,516	13,224	12,996	12,884	12,678	12,305	11,679
Science and engineering .....	8,620	8,720	8,729	8,673	8,647	8,560	8,510	8,262	7,931	7,470
Engineering .....	1,639	1,764	1,716	1,771	1,915	1,956	1,863	1,758	1,555	1,429
Sciences .....	6,981	6,956	7,013	6,902	6,732	6,604	6,647	6,504	6,376	6,041
Natural sciences .....	4,778	4,702	4,809	4,727	4,542	4,521	4,582	4,382	4,250	4,084
Physical science <sup>1</sup> .....	1,926	1,868	1,997	1,832	1,796	1,830	1,791	1,751	1,562	1,510
Mathematical science .....	332	352	361	409	373	344	376	347	338	308
Computer science .....	309	326	326	347	295	295	328	285	274	262
Biological science .....	1,847	1,833	1,758	1,770	1,771	1,759	1,810	1,726	1,798	1,768
Agricultural science .....	364	323	367	369	307	293	277	273	278	236
Social sciences .....	2,203	2,254	2,204	2,175	2,190	2,083	2,065	2,122	2,126	1,957
Social science .....	1,125	1,161	1,176	1,195	1,281	1,250	1,183	1,209	1,245	1,132
Psychology .....	1,078	1,093	1,028	980	909	833	882	913	881	825
Non-S&E <sup>2</sup> .....	4,654	4,619	4,816	4,843	4,577	4,436	4,374	4,416	4,374	4,209

See explanatory information and SOURCE at end of table.

**Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Asians/Pacific Islanders										
Total, all fields .....	1,132	1,275	2,459	2,859	2,390	1,884	1,626	1,475	1,242	1,198
Science and engineering .....	924	1,068	2,163	2,548	2,105	1,639	1,369	1,217	1,028	956
Engineering .....	389	465	745	862	762	588	454	428	330	327
Sciences .....	535	603	1,418	1,686	1,343	1,051	915	789	698	629
Natural sciences .....	433	493	1,212	1,453	1,153	886	765	651	556	520
Physical science <sup>1</sup> .....	165	178	493	615	421	318	260	187	149	153
Mathematical science .....	33	43	116	158	104	69	44	36	49	32
Computer science .....	74	57	100	107	95	81	67	68	61	41
Biological science .....	136	195	451	511	482	373	365	332	276	287
Agricultural science .....	25	20	52	62	51	45	29	28	21	7
Social sciences .....	102	110	206	233	190	165	150	138	142	109
Social science .....	83	88	174	190	159	134	121	104	95	80
Psychology .....	19	22	32	43	31	31	29	34	47	29
Non-S&E <sup>2</sup> .....	208	207	296	311	285	245	257	258	214	242
Underrepresented minorities, total										
Total, all fields .....	1,080	1,156	1,141	1,234	1,306	1,339	1,397	1,375	1,327	1,311
Science and engineering .....	588	606	640	670	734	766	776	766	741	704
Engineering .....	107	95	104	130	151	162	166	144	130	140
Sciences .....	481	511	536	540	583	604	610	622	611	564
Natural sciences .....	253	275	297	299	330	341	328	334	328	297
Physical science <sup>1</sup> .....	97	112	119	91	123	123	94	113	123	97
Mathematical science .....	14	22	20	16	18	20	30	17	16	23
Computer science .....	13	8	15	9	20	17	24	20	25	10
Biological science .....	105	105	113	154	134	139	136	159	136	151
Agricultural science .....	24	28	30	29	35	42	44	25	28	16
Social sciences .....	228	236	239	241	253	263	282	288	283	267
Social science .....	139	141	145	147	154	152	170	182	176	166
Psychology .....	89	95	94	94	99	111	112	106	107	101
Non-S&E <sup>2</sup> .....	492	550	501	564	572	573	621	609	586	607
Black, non-Hispanics										
Total, all fields .....	516	579	552	612	638	636	611	700	642	673
Science and engineering .....	238	261	282	287	321	329	294	347	319	326
Engineering .....	43	39	40	55	55	75	60	74	57	67
Sciences .....	195	222	242	232	266	254	234	273	262	259
Natural sciences .....	80	99	103	113	145	125	102	127	118	116
Physical science <sup>1</sup> .....	24	35	38	27	48	47	31	46	44	38
Mathematical science .....	4	7	8	4	6	5	9	6	7	12
Computer science .....	4	2	8	7	9	3	6	9	13	5
Biological science .....	38	43	33	64	58	52	41	50	44	55
Agricultural science .....	10	12	16	11	24	18	15	16	10	6
Social sciences .....	115	123	139	119	121	129	132	146	144	143
Social science .....	87	79	93	80	83	88	89	109	99	93
Psychology .....	28	44	46	39	38	41	43	37	45	50
Non-S&E <sup>2</sup> .....	278	318	270	325	317	307	317	353	323	347

See explanatory information and SOURCE at end of table.

**Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Hispanics										
Total, all fields .....	482	517	518	542	567	624	682	579	609	569
Science and engineering .....	308	320	318	341	353	392	428	360	379	336
Engineering .....	56	54	60	66	84	73	97	60	69	68
Sciences .....	252	266	258	275	269	319	331	300	310	268
Natural sciences .....	151	162	174	168	162	195	198	186	184	161
Physical science <sup>1</sup> .....	62	70	75	59	68	65	53	58	68	49
Mathematical science .....	9	14	10	11	11	14	20	10	8	10
Computer science .....	7	6	7	2	9	14	14	11	11	4
Biological science .....	59	57	69	80	65	83	89	99	82	88
Agricultural science .....	14	15	13	16	9	19	22	8	15	10
Social sciences .....	101	104	84	107	107	124	133	114	126	107
Social science .....	46	59	41	58	54	60	77	57	67	61
Psychology .....	55	45	43	49	53	64	56	57	59	46
Non-S&E <sup>2</sup> .....	174	197	200	201	214	232	254	219	230	233
American Indians or Alaskan Natives										
Total, all fields .....	82	60	71	80	101	79	104	96	76	69
Science and engineering .....	42	25	40	42	60	45	54	59	43	42
Engineering .....	8	2	4	9	12	14	9	10	4	5
Sciences .....	34	23	36	33	48	31	45	49	39	37
Natural sciences .....	22	14	20	18	23	21	28	21	26	20
Physical science <sup>1</sup> .....	11	7	6	5	7	11	10	9	11	10
Mathematical science .....	1	1	2	1	1	1	1	1	1	1
Computer science .....	2	0	0	0	2	0	4	0	1	1
Biological science .....	8	5	11	10	11	4	6	10	10	8
Agricultural science .....	0	1	1	2	2	5	7	1	3	0
Social sciences .....	12	9	16	15	25	10	17	28	13	17
Social science .....	6	3	11	9	17	4	4	16	10	12
Psychology .....	6	6	5	6	8	6	13	12	3	5
Non-S&E <sup>2</sup> .....	40	35	31	38	41	34	50	37	33	27
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	321	211	224	263	283	664	631	365	420	443
Science and engineering .....	230	150	160	190	196	427	413	250	285	294
Engineering .....	57	24	39	59	35	113	104	67	66	65
Sciences .....	173	126	121	131	161	314	309	183	219	229
Natural sciences .....	120	87	71	96	114	201	217	123	152	152
Physical science <sup>1</sup> .....	47	35	24	44	49	80	95	46	54	61
Mathematical science .....	11	8	9	5	8	19	20	13	6	7
Computer science .....	10	8	8	10	13	26	18	14	12	12
Biological science .....	42	35	23	34	36	62	74	43	71	66
Agricultural science .....	10	1	7	3	8	14	10	7	9	6
Social sciences .....	53	39	50	35	47	113	92	60	67	77
Social science .....	33	28	35	25	38	73	57	49	49	50
Psychology .....	20	11	15	10	9	40	35	11	18	27
Non-S&E <sup>2</sup> .....	91	61	64	73	87	237	218	115	135	149

See explanatory information and SOURCE at end of table.

**Table 11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Nonresident aliens <sup>4</sup>										
Total, all fields .....	7,946	7,835	7,304	6,844	7,392	6,974	7,007	6,631	6,843	7,022
Science and engineering .....	6,727	6,636	6,184	5,739	6,307	5,976	6,006	5,589	5,786	5,992
Engineering .....	2,572	2,618	2,469	2,362	2,493	2,340	2,301	1,932	2,145	2,380
Sciences .....	4,155	4,018	3,715	3,377	3,814	3,636	3,705	3,657	3,641	3,612
Natural sciences .....	3,222	3,116	2,791	2,515	2,929	2,826	2,914	2,885	2,865	2,769
Physical science <sup>1</sup> .....	1,292	1,214	1,063	920	1,099	1,052	1,097	1,074	1,049	1,138
Mathematical science .....	427	421	364	304	359	366	362	366	359	326
Computer science .....	329	321	301	322	334	292	305	283	314	313
Biological science .....	783	804	697	630	798	818	795	819	832	743
Agricultural science .....	391	356	366	339	339	298	355	343	311	249
Social sciences .....	933	902	924	862	885	810	791	772	776	843
Social science .....	854	839	853	783	799	752	723	702	708	775
Psychology .....	79	63	71	79	86	58	68	70	68	68
Non-S&E <sup>2</sup> .....	1,219	1,199	1,120	1,105	1,085	998	1,001	1,042	1,057	1,030
Citizenship unknown										
Total, all fields .....	481	568	385	445	690	1,093	1,094	912	1,029	1,133
Science and engineering .....	332	388	288	297	464	720	741	653	747	751
Engineering .....	96	131	77	86	132	160	225	176	230	224
Sciences .....	236	257	211	211	332	560	516	477	517	527
Natural sciences .....	143	161	126	125	212	352	336	297	340	327
Physical science <sup>1</sup> .....	58	75	67	50	96	153	135	153	153	103
Mathematical science .....	24	19	9	27	19	33	40	24	22	35
Computer science .....	12	17	12	13	18	32	23	22	30	31
Biological science .....	39	42	33	33	65	111	115	92	113	117
Agricultural science .....	10	8	5	2	14	23	23	6	22	41
Social sciences .....	93	96	85	86	120	208	180	180	177	200
Social science .....	50	58	52	47	92	118	99	104	93	118
Psychology .....	43	38	33	39	28	90	81	76	84	82
Non-S&E <sup>2</sup> .....	149	180	97	148	226	373	353	259	282	382

- <sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.
- <sup>2</sup> Non-S&E refers to non-science and non-engineering.
- <sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).
- <sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTE:** See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total										
Total, all fields .....	14,436	15,121	15,821	16,417	16,956	17,247	17,849	17,485	18,121	17,935
Science and engineering .....	7,080	7,652	7,921	8,286	8,649	8,935	9,348	9,086	9,391	9,319
Engineering .....	506	522	635	696	777	750	774	789	837	927
Sciences .....	6,574	7,130	7,286	7,590	7,872	8,185	8,574	8,297	8,554	8,392
Natural sciences .....	3,347	3,620	3,742	3,944	4,080	4,229	4,435	4,148	4,361	4,334
Physical science <sup>1</sup> .....	958	940	1,011	1,048	1,014	1,061	1,145	1,041	1,065	1,069
Mathematical science .....	205	264	236	265	231	263	297	277	259	276
Computer science .....	120	138	137	186	139	150	159	156	141	155
Biological science .....	1,831	2,050	2,109	2,217	2,415	2,495	2,536	2,394	2,622	2,547
Agricultural science .....	233	228	249	228	281	260	298	280	274	287
Social sciences .....	3,227	3,510	3,544	3,646	3,792	3,956	4,139	4,149	4,193	4,058
Social science .....	1,299	1,422	1,443	1,465	1,462	1,592	1,684	1,696	1,783	1,750
Psychology .....	1,928	2,088	2,101	2,181	2,330	2,364	2,455	2,453	2,410	2,308
Non-S&E <sup>2</sup> .....	7,356	7,469	7,900	8,131	8,307	8,312	8,501	8,399	8,730	8,616
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	12,178	12,719	13,523	14,184	14,337	14,173	14,591	14,401	14,624	14,226
Science and engineering .....	5,577	6,024	6,494	6,913	6,965	6,989	7,171	7,072	7,129	6,907
Engineering .....	328	348	448	520	526	512	452	492	491	477
Sciences .....	5,249	5,676	6,046	6,393	6,439	6,477	6,719	6,580	6,638	6,430
Natural sciences .....	2,449	2,632	2,917	3,172	3,091	3,103	3,200	3,028	3,116	3,075
Physical science <sup>1</sup> .....	661	641	769	852	740	751	775	706	713	690
Mathematical science .....	117	164	151	183	145	177	198	192	164	154
Computer science .....	83	109	94	143	91	100	123	105	86	98
Biological science .....	1,438	1,584	1,743	1,859	1,941	1,920	1,921	1,864	1,987	1,969
Agricultural science .....	150	134	160	135	174	155	183	161	166	164
Social sciences .....	2,800	3,044	3,129	3,221	3,348	3,374	3,519	3,552	3,522	3,355
Social science .....	1,020	1,106	1,162	1,164	1,163	1,267	1,308	1,323	1,345	1,305
Psychology .....	1,780	1,938	1,967	2,057	2,185	2,107	2,211	2,229	2,177	2,050
Non-S&E <sup>2</sup> .....	6,601	6,695	7,029	7,271	7,372	7,184	7,420	7,329	7,495	7,319
White, non-Hispanics										
Total, all fields .....	10,343	10,696	11,027	11,170	11,446	10,963	11,388	11,217	11,392	10,996
Science and engineering .....	4,701	5,009	5,154	5,214	5,349	5,266	5,493	5,458	5,508	5,281
Engineering .....	240	260	305	321	348	332	307	352	334	318
Sciences .....	4,461	4,749	4,849	4,893	5,001	4,934	5,186	5,106	5,174	4,963
Natural sciences .....	2,043	2,131	2,191	2,233	2,239	2,258	2,399	2,280	2,393	2,335
Physical science <sup>1</sup> .....	531	498	531	555	539	541	589	523	559	535
Mathematical science .....	93	124	118	126	105	135	150	159	126	120
Computer science .....	69	83	75	103	61	66	84	71	62	60
Biological science .....	1,221	1,311	1,347	1,345	1,399	1,398	1,436	1,402	1,510	1,485
Agricultural science .....	129	115	120	104	135	118	140	125	136	135
Social sciences .....	2,418	2,618	2,658	2,660	2,762	2,676	2,787	2,826	2,781	2,628
Social science .....	861	909	957	918	927	986	1,024	1,037	1,057	1,000
Psychology .....	1,557	1,709	1,701	1,742	1,835	1,690	1,763	1,789	1,724	1,628
Non-S&E <sup>2</sup> .....	5,642	5,687	5,873	5,956	6,097	5,697	5,895	5,759	5,884	5,715

See explanatory information and SOURCE at end of table.

**Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Asians/Pacific Islanders										
Total, all fields .....	621	724	1,072	1,437	1,284	1,224	1,073	1,020	1,031	1,019
Science and engineering .....	412	529	817	1,111	974	889	760	715	679	692
Engineering .....	61	61	119	170	134	119	97	84	109	98
Sciences .....	351	468	698	941	840	770	663	631	570	594
Natural sciences .....	261	339	524	742	641	571	479	437	390	400
Physical science <sup>1</sup> .....	87	104	194	238	157	151	120	104	82	84
Mathematical science .....	18	36	26	49	36	28	27	20	21	16
Computer science .....	12	19	16	30	16	26	23	19	15	20
Biological science .....	132	171	268	409	403	348	291	276	263	271
Agricultural science .....	12	9	20	16	29	18	18	18	9	9
Social sciences .....	90	129	174	199	199	199	184	194	180	194
Social science .....	53	78	98	121	109	104	100	96	81	101
Psychology .....	37	51	76	78	90	95	84	98	99	93
Non-S&E <sup>2</sup> .....	209	195	255	326	310	335	313	305	352	327
Underrepresented minorities, total										
Total, all fields .....	1,087	1,214	1,309	1,439	1,439	1,500	1,722	1,925	1,897	1,839
Science and engineering .....	398	447	470	521	559	586	719	784	785	743
Engineering .....	24	23	21	26	36	49	39	49	41	49
Sciences .....	374	424	449	495	523	537	680	735	744	694
Natural sciences .....	120	143	177	168	171	184	251	257	271	265
Physical science <sup>1</sup> .....	35	34	38	48	34	33	52	66	56	55
Mathematical science .....	4	3	6	6	2	8	16	11	15	13
Computer science .....	2	6	3	8	12	4	9	13	8	14
Biological science .....	72	91	112	95	115	126	155	152	172	168
Agricultural science .....	7	9	18	11	8	13	19	15	20	15
Social sciences .....	254	281	272	327	352	353	429	478	473	429
Social science .....	92	112	97	112	109	123	144	162	159	164
Psychology .....	162	169	175	215	243	230	285	316	314	265
Non-S&E <sup>2</sup> .....	689	767	839	918	880	914	1,003	1,141	1,112	1,096
Black, non-Hispanics										
Total, all fields .....	593	699	725	849	808	838	993	1,062	1,106	1,056
Science and engineering .....	166	207	216	263	251	286	351	367	391	375
Engineering .....	6	11	13	15	19	23	22	24	24	25
Sciences .....	160	196	203	248	232	263	329	343	367	350
Natural sciences .....	35	51	70	72	60	81	122	123	119	129
Physical science <sup>1</sup> .....	7	10	14	18	15	12	33	34	25	22
Mathematical science .....	0	1	3	1	2	2	7	6	7	7
Computer science .....	1	4	2	4	3	1	8	9	5	10
Biological science .....	24	32	45	43	40	60	70	66	74	84
Agricultural science .....	3	4	6	6	0	6	4	8	8	6
Social sciences .....	125	145	133	176	172	182	207	220	248	221
Social science .....	50	71	55	66	58	71	92	85	104	97
Psychology .....	75	74	78	110	114	111	115	135	144	124
Non-S&E <sup>2</sup> .....	427	492	509	586	557	552	642	695	715	681

See explanatory information and SOURCE at end of table.

**Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Hispanics										
Total, all fields .....	427	455	512	522	546	574	644	745	698	701
Science and engineering .....	205	222	230	232	273	266	326	362	349	336
Engineering .....	15	12	6	11	15	23	13	23	13	22
Sciences .....	190	210	224	221	258	243	313	339	336	314
Natural sciences .....	77	87	100	87	95	98	117	117	140	126
Physical science <sup>1</sup> .....	26	22	23	27	18	20	17	26	28	31
Mathematical science .....	3	2	3	4	0	6	7	5	7	5
Computer science .....	1	1	0	4	7	2	1	3	3	4
Biological science .....	43	57	62	47	66	63	79	76	91	77
Agricultural science .....	4	5	12	5	4	7	13	7	11	9
Social sciences .....	113	123	124	134	163	145	196	222	196	188
Social science .....	35	37	34	37	43	38	44	64	45	59
Psychology .....	78	86	90	97	120	107	152	158	151	129
Non-S&E <sup>2</sup> .....	222	233	282	290	273	308	318	383	349	365
American Indians or Alaskan Natives										
Total, all fields .....	67	60	72	68	85	88	85	118	93	82
Science and engineering .....	27	18	24	26	35	34	42	55	45	32
Engineering .....	3	0	2	0	2	3	4	2	4	2
Sciences .....	24	18	22	26	33	31	38	53	41	30
Natural sciences .....	8	5	7	9	16	5	12	17	12	10
Physical science <sup>1</sup> .....	2	2	1	3	1	1	2	6	3	2
Mathematical science .....	1	0	0	1	0	0	2	0	1	1
Computer science .....	0	1	1	0	2	1	0	1	0	0
Biological science .....	5	2	5	5	9	3	6	10	7	7
Agricultural science .....	0	0	0	0	4	0	2	0	1	0
Social sciences .....	16	13	15	17	17	26	26	36	29	20
Social science .....	7	4	8	9	8	14	8	13	10	8
Psychology .....	9	9	7	8	9	12	18	23	19	12
Non-S&E <sup>2</sup> .....	40	42	48	42	50	54	43	63	48	50
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	127	85	115	138	168	486	408	239	304	372
Science and engineering .....	66	39	53	67	83	248	199	115	157	191
Engineering .....	3	4	3	3	8	12	9	7	7	12
Sciences .....	63	35	50	64	75	236	190	108	150	179
Natural sciences .....	25	19	25	29	40	90	71	54	62	75
Physical science <sup>1</sup> .....	8	5	6	11	10	26	14	13	16	16
Mathematical science .....	2	1	1	2	2	6	5	2	2	5
Computer science .....	0	1	0	2	2	4	7	2	1	4
Biological science .....	13	11	16	10	24	48	39	34	42	45
Agricultural science .....	2	1	2	4	2	6	6	3	1	5
Social sciences .....	38	16	25	35	35	146	119	54	88	104
Social science .....	14	7	10	13	18	54	40	28	48	40
Psychology .....	24	9	15	22	17	92	79	26	40	64
Non-S&E <sup>2</sup> .....	61	46	62	71	85	238	209	124	147	181

See explanatory information and SOURCE at end of table.



**Table 12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Nonresident aliens <sup>4</sup>										
Total, all fields .....	1,990	2,069	2,077	1,953	2,214	2,204	2,469	2,423	2,808	2,801
Science and engineering .....	1,351	1,455	1,321	1,244	1,496	1,521	1,755	1,648	1,863	1,964
Engineering .....	169	161	178	159	228	211	274	260	302	406
Sciences .....	1,182	1,294	1,143	1,085	1,268	1,310	1,481	1,388	1,561	1,558
Natural sciences .....	859	929	805	726	911	969	1,073	1,003	1,098	1,098
Physical science <sup>1</sup> .....	286	281	238	182	245	259	320	295	309	333
Mathematical science .....	84	95	84	78	83	75	85	77	84	110
Computer science .....	36	26	41	43	41	38	23	47	48	47
Biological science .....	372	437	355	334	441	504	538	468	553	498
Agricultural science .....	81	90	87	89	101	93	107	116	104	110
Social sciences .....	323	365	338	359	357	341	408	385	463	460
Social science .....	248	281	258	274	263	262	307	302	367	375
Psychology .....	75	84	80	85	94	79	101	83	96	85
Non-S&E <sup>2</sup> .....	639	614	756	709	718	683	714	775	945	837
Citizenship unknown										
Total, all fields .....	268	333	221	280	405	870	789	661	689	908
Science and engineering .....	152	173	106	129	188	425	422	366	399	448
Engineering .....	9	13	9	17	23	27	48	37	44	44
Sciences .....	143	160	97	112	165	398	374	329	355	404
Natural sciences .....	39	59	20	46	78	157	162	117	147	161
Physical science <sup>1</sup> .....	11	18	4	14	29	51	50	40	43	46
Mathematical science .....	4	5	1	4	3	11	14	8	11	12
Computer science .....	1	3	2	0	7	12	13	4	7	10
Biological science .....	21	29	11	24	33	71	77	62	82	80
Agricultural science .....	2	4	2	4	6	12	8	3	4	13
Social sciences .....	104	101	77	66	87	241	212	212	208	243
Social science .....	31	35	23	27	36	63	69	71	71	70
Psychology .....	73	66	54	39	51	178	143	141	137	173
Non-S&E <sup>2</sup> .....	116	160	115	151	217	445	367	295	290	460

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

<sup>3</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>4</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTE:** See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 13. Number and percent of bachelor's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	71,311	76,667	82,316	85,287	89,554	92,067	95,878	104,212	106,648
Science and engineering .....	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462	33,869
Engineering .....	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062	2,883
Sciences .....	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400	30,986
Natural sciences .....	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634	11,101
Physical science <sup>1</sup> .....	816	836	921	1,034	1,100	1,110	1,127	1,141	1,052
Mathematical science .....	904	965	992	995	981	1,071	1,030	971	845
Computer science .....	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330	4,088
Biological science .....	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734	4,685
Agricultural science .....	206	219	268	263	363	387	426	458	431
Social sciences .....	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766	19,885
Social science .....	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194	12,323
Psychology .....	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572	7,562
Non-S&E <sup>2</sup> .....	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750	72,779
Black recipients from HBCUs									
Total, all fields .....	19,709	21,849	23,426	23,989	25,425	25,215	25,546	25,558	25,142
Science and engineering .....	6,363	7,368	7,804	8,361	8,980	9,071	9,151	8,773	8,981
Engineering .....	594	700	690	798	894	905	843	694	669
Sciences .....	5,769	6,668	7,114	7,563	8,086	8,166	8,308	8,079	8,312
Natural sciences .....	2,599	3,021	3,105	3,384	3,794	3,872	3,971	4,012	4,175
Physical science <sup>1</sup> .....	376	390	421	471	547	503	485	496	471
Mathematical science .....	420	463	449	466	443	478	442	427	345
Computer science .....	780	904	904	967	979	834	904	987	1,220
Biological science .....	906	1,155	1,197	1,357	1,628	1,841	1,920	1,884	1,939
Agricultural science .....	117	109	134	123	197	216	220	218	200
Social sciences .....	3,170	3,647	4,009	4,179	4,292	4,294	4,337	4,067	4,137
Social science .....	2,201	2,507	2,701	2,747	2,780	2,641	2,701	2,385	2,460
Psychology .....	969	1,140	1,308	1,432	1,512	1,653	1,636	1,682	1,677
Non-S&E <sup>2</sup> .....	13,346	14,481	15,622	15,628	16,445	16,144	16,395	16,785	16,161

See explanatory information and SOURCE at end of table.

**Table 13. Number and percent of bachelor's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	27.6	28.5	28.5	28.1	28.4	27.4	26.6	24.5	23.6
Science and engineering .....	28.4	30.2	29.7	30.4	30.9	29.8	29.1	26.2	26.5
Engineering .....	25.1	27.2	25.9	28.0	29.8	29.4	27.9	22.7	23.2
Sciences .....	28.7	30.5	30.1	30.6	31.0	29.8	29.3	26.6	26.8
Natural sciences .....	40.6	43.3	41.1	42.2	43.8	42.7	40.9	37.7	37.6
Physical science <sup>1</sup> .....	46.1	46.7	45.7	45.6	49.7	45.3	43.0	43.5	44.8
Mathematical science .....	46.5	48.0	45.3	46.8	45.2	44.6	42.9	44.0	40.8
Computer science .....	37.3	40.8	37.7	38.7	40.5	35.2	35.0	29.6	29.8
Biological science .....	38.0	42.2	40.2	42.0	42.7	44.7	42.2	39.8	41.4
Agricultural science .....	56.8	49.8	50.0	46.8	54.3	55.8	51.6	47.6	46.4
Social sciences .....	23.2	24.5	24.9	25.1	24.7	23.5	23.2	20.6	20.8
Social science .....	23.2	24.4	24.9	25.2	24.5	22.7	22.9	19.6	20.0
Psychology .....	23.2	24.7	25.0	24.9	25.1	24.9	23.9	22.2	22.2
Non-S&E <sup>2</sup> .....	27.3	27.7	27.9	27.1	27.2	26.2	25.4	23.7	22.2

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 14. Number and percent of bachelor's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648	36,378
Science and engineering .....	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383	12,308
Engineering .....	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973	1,857
Sciences .....	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410	10,451
Natural sciences .....	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244	4,501
Physical science <sup>1</sup> .....	381	370	464	495	482	466	521	472	448
Mathematical science .....	374	444	457	476	468	510	488	468	377
Computer science .....	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737	2,182
Biological science .....	749	883	927	981	1,236	1,304	1,448	1,379	1,324
Agricultural science .....	113	126	137	121	187	186	189	188	170
Social sciences .....	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166	5,950
Social science .....	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520	4,393
Psychology .....	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646	1,557
Non-S&E <sup>2</sup> .....	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265	24,070
Black recipients from HBCUs									
Total, all fields .....	7,087	7,867	8,457	8,587	9,094	8,933	8,976	8,954	8,636
Science and engineering .....	2,450	2,761	2,940	3,190	3,467	3,425	3,395	3,075	3,000
Engineering .....	380	430	425	500	544	534	493	404	373
Sciences .....	2,070	2,331	2,515	2,690	2,923	2,891	2,902	2,671	2,627
Natural sciences .....	972	1,089	1,162	1,260	1,444	1,418	1,504	1,444	1,505
Physical science <sup>1</sup> .....	145	150	197	202	202	162	179	176	182
Mathematical science .....	150	196	181	204	206	223	213	208	152
Computer science .....	364	361	381	411	442	378	438	483	566
Biological science .....	238	317	334	385	482	543	575	483	505
Agricultural science .....	75	65	69	58	112	112	99	94	100
Social sciences .....	1,098	1,242	1,353	1,430	1,479	1,473	1,398	1,227	1,122
Social science .....	868	989	1,060	1,080	1,119	1,045	1,021	848	785
Psychology .....	230	253	293	350	360	428	377	379	337
Non-S&E <sup>2</sup> .....	4,637	5,106	5,517	5,397	5,627	5,508	5,581	5,879	5,636

See explanatory information and SOURCE at end of table.

**Table 14. Number and percent of bachelor's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	26.7	27.7	28.1	27.7	28.2	27.3	26.7	25.1	23.7
Science and engineering .....	26.1	27.3	27.2	28.7	29.6	28.7	27.9	24.8	24.4
Engineering .....	23.5	24.4	23.8	27.1	27.7	26.4	24.9	20.5	20.1
Sciences .....	26.7	28.0	27.9	29.0	30.0	29.1	28.5	25.7	25.1
Natural sciences .....	35.9	37.9	36.9	38.0	40.2	38.6	37.9	34.0	33.4
Physical science <sup>1</sup> .....	38.1	40.5	42.5	40.8	41.9	34.8	34.4	37.3	40.6
Mathematical science .....	40.1	44.1	39.6	42.9	44.0	43.7	43.6	44.4	40.3
Computer science .....	33.3	34.4	32.8	33.1	36.3	31.2	33.1	27.8	25.9
Biological science .....	31.8	35.9	36.0	39.2	39.0	41.6	39.7	35.0	38.1
Agricultural science .....	66.4	51.6	50.4	47.9	59.9	60.2	52.4	50.0	58.8
Social sciences .....	21.7	22.7	23.0	24.0	24.1	23.6	22.5	19.9	18.9
Social science .....	21.3	22.7	22.8	23.7	23.7	22.4	21.9	18.8	17.9
Psychology .....	23.4	23.0	23.8	25.0	25.4	26.9	24.4	23.0	21.6
Non-S&E <sup>2</sup> .....	27.0	27.9	28.6	27.2	27.4	26.5	26.0	25.3	23.4

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 15. Number and percent of bachelor's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564	70,270
Science and engineering .....	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079	21,561
Engineering .....	748	813	875	999	1,036	1,057	1,041	1,089	1,026
Sciences .....	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990	20,535
Natural sciences .....	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390	6,600
Physical science <sup>1</sup> .....	435	466	457	539	618	644	606	669	604
Mathematical science .....	530	521	535	519	513	561	542	503	468
Computer science .....	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593	1,906
Biological science .....	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355	3,361
Agricultural science .....	93	93	131	142	176	201	237	270	261
Social sciences .....	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600	13,935
Social science .....	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674	7,930
Psychology .....	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926	6,005
Non-S&E <sup>2</sup> .....	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485	48,709
Black recipients from HBCUs									
Total, all fields .....	12,622	13,982	14,969	15,402	16,331	16,282	16,570	16,604	16,506
Science and engineering .....	3,913	4,607	4,864	5,171	5,513	5,646	5,756	5,698	5,981
Engineering .....	214	270	265	298	350	371	350	290	296
Sciences .....	3,699	4,337	4,599	4,873	5,163	5,275	5,406	5,408	5,685
Natural sciences .....	1,627	1,932	1,943	2,124	2,350	2,454	2,467	2,568	2,670
Physical science <sup>1</sup> .....	231	240	224	269	345	341	306	320	289
Mathematical science .....	270	267	268	262	237	255	229	219	193
Computer science .....	416	543	523	556	537	456	466	504	654
Biological science .....	668	838	863	972	1,146	1,298	1,345	1,401	1,434
Agricultural science .....	42	44	65	65	85	104	121	124	100
Social sciences .....	2,072	2,405	2,656	2,749	2,813	2,821	2,939	2,840	3,015
Social science .....	1,333	1,518	1,641	1,667	1,661	1,596	1,680	1,537	1,675
Psychology .....	739	887	1,015	1,082	1,152	1,225	1,259	1,303	1,340
Non-S&E <sup>2</sup> .....	8,709	9,375	10,105	10,231	10,818	10,636	10,814	10,906	10,525

See explanatory information and SOURCE at end of table.

**Table 15. Number and percent of bachelor's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	28.2	29.0	28.7	28.4	28.5	27.4	26.6	24.2	23.5
Science and engineering .....	30.0	32.2	31.4	31.5	31.8	30.5	29.9	27.0	27.7
Engineering .....	28.6	33.2	30.3	29.8	33.8	35.1	33.6	26.6	28.8
Sciences .....	30.1	32.1	31.5	31.6	31.6	30.2	29.7	27.1	27.7
Natural sciences .....	44.1	47.1	44.0	45.1	46.3	45.6	42.9	40.2	40.5
Physical science <sup>1</sup> .....	53.1	51.5	49.0	49.9	55.8	53.0	50.5	47.8	47.8
Mathematical science .....	50.9	51.2	50.1	50.5	46.2	45.5	42.3	43.5	41.2
Computer science .....	41.7	46.6	42.3	44.2	44.9	39.4	37.1	31.6	34.3
Biological science .....	40.8	45.2	42.0	43.2	44.5	46.0	43.4	41.8	42.7
Agricultural science .....	45.2	47.3	49.6	45.8	48.3	51.7	51.1	45.9	38.3
Social sciences .....	24.0	25.6	26.1	25.7	25.0	23.4	23.6	20.9	21.6
Social science .....	24.6	25.8	26.5	26.2	25.1	22.8	23.5	20.0	21.1
Psychology .....	23.1	25.2	25.3	24.9	25.0	24.2	23.7	22.0	22.3
Non-S&E <sup>2</sup> .....	27.4	27.6	27.5	27.0	27.1	26.0	25.2	23.0	21.6

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 16. Number and percent of master's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305	35,059
Science and engineering .....	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115	4,622
Engineering .....	466	564	589	665	674	674	714	658	699
Sciences .....	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457	3,923
Natural sciences .....	699	716	821	881	932	1,010	957	1,003	1,233
Physical science <sup>1</sup> .....	98	105	127	147	116	144	146	124	151
Mathematical science .....	77	98	109	151	151	157	150	103	119
Computer science .....	316	308	365	347	379	377	376	472	556
Biological science .....	149	135	142	162	198	236	190	220	311
Agricultural science .....	59	70	78	74	88	96	95	84	96
Social sciences .....	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454	2,690
Social science .....	660	730	803	930	965	1,010	1,012	1,061	1,031
Psychology .....	531	544	636	863	947	1,123	1,073	1,393	1,659
Non-S&E <sup>2</sup> .....	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190	30,437
Black recipients from HBCUs									
Total, all fields .....	2,631	2,779	3,205	3,478	3,818	4,218	4,411	4,731	4,586
Science and engineering .....	426	453	484	582	644	711	677	621	777
Engineering .....	41	41	43	54	62	64	85	61	54
Sciences .....	385	412	441	528	582	647	592	560	723
Natural sciences .....	188	204	204	260	276	311	298	277	330
Physical science <sup>1</sup> .....	21	36	21	41	38	51	42	32	42
Mathematical science .....	17	23	21	44	48	45	46	30	37
Computer science .....	76	75	87	94	92	88	95	107	107
Biological science .....	47	38	34	48	60	76	63	75	102
Agricultural science .....	27	32	41	33	38	51	52	33	42
Social sciences .....	197	208	237	268	306	336	294	283	393
Social science .....	125	107	126	130	141	156	157	144	129
Psychology .....	72	101	111	138	165	180	137	139	264
Non-S&E <sup>2</sup> .....	2,205	2,326	2,721	2,896	3,174	3,507	3,734	4,110	3,809

See explanatory information and SOURCE at end of table.



**Table 16. Number and percent of master's degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	15.1	14.7	15.3	15.2	15.5	15.7	15.4	14.2	13.1
Science and engineering .....	18.1	17.7	17.0	17.4	18.3	18.6	18.0	15.1	16.8
Engineering .....	8.8	7.3	7.3	8.1	9.2	9.5	11.9	9.3	7.7
Sciences .....	20.4	20.7	19.5	19.7	20.5	20.6	19.5	16.2	18.4
Natural sciences .....	26.9	28.5	24.8	29.5	29.6	30.8	31.1	27.6	26.8
Physical science <sup>1</sup> .....	21.4	34.3	16.5	27.9	32.8	35.4	28.8	25.8	27.8
Mathematical science .....	22.1	23.5	19.3	29.1	31.8	28.7	30.7	29.1	31.1
Computer science .....	24.1	24.4	23.8	27.1	24.3	23.3	25.3	22.7	19.2
Biological science .....	31.5	28.1	23.9	29.6	30.3	32.2	33.2	34.1	32.8
Agricultural science .....	45.8	45.7	52.6	44.6	43.2	53.1	54.7	39.3	43.8
Social sciences .....	16.5	16.3	16.5	14.9	16.0	15.8	14.1	11.5	14.6
Social science .....	18.9	14.7	15.7	14.0	14.6	15.4	15.5	13.6	12.5
Psychology .....	13.6	18.6	17.5	16.0	17.4	16.0	12.8	10.0	15.9
Non-S&E <sup>2</sup> .....	14.6	14.2	15.0	14.8	15.1	15.2	15.0	14.1	12.5

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 17. Number and percent of master's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309	10,401
Science and engineering .....	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679	1,758
Engineering .....	332	407	422	464	464	449	470	451	453
Sciences .....	834	846	954	1,070	1,101	1,168	1,176	1,228	1,305
Natural sciences .....	382	386	435	434	467	484	485	478	574
Physical science <sup>1</sup> .....	66	58	74	86	59	74	81	65	82
Mathematical science .....	44	48	62	64	78	77	71	48	69
Computer science .....	175	193	205	199	205	208	229	256	286
Biological science .....	61	47	48	50	76	69	68	72	92
Agricultural science .....	36	40	46	35	49	56	36	37	45
Social sciences .....	452	460	519	636	634	684	691	750	731
Social science .....	315	345	358	418	391	426	431	433	418
Psychology .....	137	115	161	218	243	258	260	317	313
Non-S&E <sup>2</sup> .....	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630	8,643
Black recipients from HBCUs									
Total, all fields .....	782	822	942	973	1,092	1,164	1,259	1,310	1,181
Science and engineering .....	195	191	208	230	282	266	285	245	254
Engineering .....	27	23	28	33	44	37	48	41	20
Sciences .....	168	168	180	197	238	229	237	204	234
Natural sciences .....	100	106	98	105	135	133	132	122	138
Physical science <sup>1</sup> .....	16	19	10	24	22	21	22	14	22
Mathematical science .....	7	9	12	20	24	19	14	15	20
Computer science .....	46	44	40	36	45	42	58	58	47
Biological science .....	15	11	7	12	22	20	20	23	28
Agricultural science .....	16	23	29	13	22	31	18	12	21
Social sciences .....	68	62	82	92	103	96	105	82	96
Social science .....	47	40	49	62	64	58	73	52	53
Psychology .....	21	22	33	30	39	38	32	30	43
Non-S&E <sup>2</sup> .....	587	631	734	743	810	898	974	1,065	927

See explanatory information and SOURCE at end of table.

**Table 17. Number and percent of master's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	13.5	12.7	13.4	12.7	13.7	13.8	13.8	12.7	11.4
Science and engineering .....	16.7	15.2	15.1	15.0	18.0	16.5	17.3	14.6	14.4
Engineering .....	8.1	5.7	6.6	7.1	9.5	8.2	10.2	9.1	4.4
Sciences .....	20.1	19.9	18.9	18.4	21.6	19.6	20.2	16.6	17.9
Natural sciences .....	26.2	27.5	22.5	24.2	28.9	27.5	27.2	25.5	24.0
Physical science <sup>1</sup> .....	24.2	32.8	13.5	27.9	37.3	28.4	27.2	21.5	26.8
Mathematical science .....	15.9	18.8	19.4	31.3	30.8	24.7	19.7	31.3	29.0
Computer science .....	26.3	22.8	19.5	18.1	22.0	20.2	25.3	22.7	16.4
Biological science .....	24.6	23.4	14.6	24.0	28.9	29.0	29.4	31.9	30.4
Agricultural science .....	44.4	57.5	63.0	37.1	44.9	55.4	50.0	32.4	46.7
Social sciences .....	15.0	13.5	15.8	14.5	16.2	14.0	15.2	10.9	13.1
Social science .....	14.9	11.6	13.7	14.8	16.4	13.6	16.9	12.0	12.7
Psychology .....	15.3	19.1	20.5	13.8	16.0	14.7	12.3	9.5	13.7
Non-S&E <sup>2</sup> .....	12.7	12.1	13.0	12.2	12.6	13.2	13.1	12.3	10.7

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 18. Number and percent of master's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all black recipients									
Total, all fields .....	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996	24,658
Science and engineering .....	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436	2,864
Engineering .....	134	157	167	201	210	225	244	207	246
Sciences .....	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229	2,618
Natural sciences .....	317	330	386	447	465	526	472	525	659
Physical science <sup>1</sup> .....	32	47	53	61	57	70	65	59	69
Mathematical science .....	33	50	47	87	73	80	79	55	50
Computer science .....	141	115	160	148	174	169	147	216	270
Biological science .....	88	88	94	112	122	167	122	148	219
Agricultural science .....	23	30	32	39	39	40	59	47	51
Social sciences .....	739	814	920	1,157	1,278	1,449	1,394	1,704	1,959
Social science .....	345	385	445	512	574	584	581	628	613
Psychology .....	394	429	475	645	704	865	813	1,076	1,346
Non-S&E <sup>2</sup> .....	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560	21,794
Black recipients from HBCUs									
Total, all fields .....	1,849	1,957	2,263	2,505	2,726	3,054	3,152	3,421	3,405
Science and engineering .....	231	262	276	352	362	445	392	376	523
Engineering .....	14	18	15	21	18	27	37	20	34
Sciences .....	217	244	261	331	344	418	355	356	489
Natural sciences .....	88	98	106	155	141	178	166	155	192
Physical science <sup>1</sup> .....	5	17	11	17	16	30	20	18	20
Mathematical science .....	10	14	9	24	24	26	32	15	17
Computer science .....	30	31	47	58	47	46	37	49	60
Biological science .....	32	27	27	36	38	56	43	52	74
Agricultural science .....	11	9	12	20	16	20	34	21	21
Social sciences .....	129	146	155	176	203	240	189	201	297
Social science .....	78	67	77	68	77	98	84	92	76
Psychology .....	51	79	78	108	126	142	105	109	221
Non-S&E <sup>2</sup> .....	1,618	1,695	1,987	2,153	2,364	2,609	2,760	3,045	2,882

See explanatory information and SOURCE at end of table.

**Table 18. Number and percent of master's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from HBCUs								
Total, all fields .....	15.9	15.8	16.2	16.4	16.4	16.5	16.2	14.9	13.8
Science and engineering .....	19.4	20.1	18.7	19.5	18.5	20.2	18.6	15.4	18.3
Engineering .....	10.4	11.5	9.0	10.4	8.6	12.0	15.2	9.7	13.8
Sciences .....	20.5	21.3	20.0	20.6	19.7	21.2	19.0	16.0	18.7
Natural sciences .....	27.8	29.7	27.5	34.7	30.3	33.8	35.2	29.5	29.1
Physical science <sup>1</sup> .....	15.6	36.2	20.8	27.9	28.1	42.9	30.8	30.5	29.0
Mathematical science .....	30.3	28.0	19.1	27.6	32.9	32.5	40.5	27.3	34.0
Computer science .....	21.3	27.0	29.4	39.2	27.0	27.2	25.2	22.7	22.2
Biological science .....	36.4	30.7	28.7	32.1	31.1	33.5	35.2	35.1	33.8
Agricultural science .....	47.8	30.0	37.5	51.3	41.0	50.0	57.6	44.7	41.2
Social sciences .....	17.5	17.9	16.8	15.2	15.9	16.6	13.6	11.8	15.2
Social science .....	22.6	17.4	17.3	13.3	13.4	16.8	14.5	14.6	12.4
Psychology .....	12.9	18.4	16.4	16.7	17.9	16.4	12.9	10.1	16.4
Non-S&E <sup>2</sup> .....	15.5	15.2	16.0	15.9	16.2	16.0	15.9	14.8	13.2

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 19. Number and percent of doctoral degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all black recipients										
Total, all fields .....	1,109	1,278	1,277	1,461	1,446	1,474	1,605	1,762	1,748	1,729
Science and engineering .....	404	468	498	550	572	615	645	714	710	701
Engineering .....	49	50	53	70	74	98	82	98	81	92
Sciences .....	355	418	445	480	498	517	563	616	629	609
Natural sciences .....	115	150	173	185	205	206	224	250	237	245
Physical science <sup>1</sup> .....	31	45	52	45	63	59	64	80	69	60
Mathematical science .....	4	8	11	5	8	7	16	12	14	19
Computer science .....	5	6	10	11	12	4	14	18	18	15
Biological science .....	62	75	78	107	98	112	111	116	118	139
Agricultural science .....	13	16	22	17	24	24	19	24	18	12
Social sciences .....	240	268	272	295	293	311	339	366	392	364
Social science .....	137	150	148	146	141	159	181	194	203	190
Psychology .....	103	118	124	149	152	152	158	172	189	174
Non-S&E <sup>2</sup> .....	705	810	779	911	874	859	960	1,048	1,038	1,028
Black recipients from HBCUs										
Total, all fields .....	104	135	134	137	141	115	157	160	156	183
Science and engineering .....	43	60	52	59	66	61	68	70	66	72
Engineering .....	2	0	4	1	4	1	6	4	2	5
Sciences .....	41	60	48	58	62	60	62	66	64	67
Natural sciences .....	12	26	17	29	25	32	33	34	32	35
Physical science <sup>1</sup> .....	0	6	3	10	4	8	7	9	14	9
Mathematical science .....	0	0	2	0	0	2	2	0	1	2
Computer science .....	0	0	0	0	1	0	0	0	0	0
Biological science .....	12	19	12	18	18	19	24	22	17	24
Agricultural science .....	0	1	0	1	2	3	0	3	0	0
Social sciences .....	29	34	31	29	37	28	29	32	32	32
Social science .....	19	22	11	11	25	15	17	17	18	18
Psychology .....	10	12	20	18	12	13	12	15	14	14
Non-S&E <sup>2</sup> .....	61	75	82	78	75	54	89	90	90	111

See explanatory information and SOURCES at end of table.

**Table 19. Number and percent of doctoral degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Percent from HBCUs									
Total, all fields .....	9.4	10.6	10.5	9.4	9.8	7.8	9.8	9.1	8.9	10.6
Science and engineering .....	10.6	12.8	10.4	10.7	11.5	9.9	10.5	9.8	9.3	10.3
Engineering .....	4.1	.0	7.5	1.4	5.4	1.0	7.3	4.1	2.5	5.4
Sciences .....	11.5	14.4	10.8	12.1	12.4	11.6	11.0	10.7	10.2	11.0
Natural sciences .....	10.4	17.3	9.8	15.7	12.2	15.5	14.7	13.6	13.5	14.3
Physical science <sup>1</sup> .....	.0	13.3	5.8	22.2	6.3	13.6	10.9	11.2	20.3	15.0
Mathematical science .....	.0	.0	18.2	.0	.0	28.6	12.5	.0	7.1	10.5
Computer science .....	.0	.0	.0	.0	8.3	.0	.0	.0	.0	.0
Biological science .....	19.4	25.3	15.4	16.8	18.4	17.0	21.6	19.0	14.4	17.3
Agricultural science .....	.0	6.3	.0	5.9	8.3	12.5	.0	12.5	.0	.0
Social sciences .....	12.1	12.7	11.4	9.8	12.6	9.0	8.6	8.7	8.2	8.8
Social science .....	13.9	14.7	7.4	7.5	17.7	9.4	9.4	8.8	8.9	9.5
Psychology .....	9.7	10.2	16.1	12.1	7.9	8.6	7.6	8.7	7.4	8.0
Non-S&E <sup>2</sup> .....	8.7	9.3	10.5	8.6	8.6	6.3	9.3	8.6	8.7	10.8

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all black recipients										
Total, all fields .....	516	579	552	612	638	636	611	700	642	673
Science and engineering .....	238	261	282	287	321	329	294	347	319	326
Engineering .....	43	39	40	55	55	75	60	74	57	67
Sciences .....	195	222	242	232	266	254	234	273	262	259
Natural sciences .....	80	99	103	113	145	125	102	127	118	116
Physical science <sup>1</sup> .....	24	35	38	27	48	47	31	46	44	38
Mathematical science .....	4	7	8	4	6	5	9	6	7	12
Computer science .....	4	2	8	7	9	3	6	9	13	5
Biological science .....	38	43	33	64	58	52	41	50	44	55
Agricultural science .....	10	12	16	11	24	18	15	16	10	6
Social sciences .....	115	123	139	119	121	129	132	146	144	143
Social science .....	87	79	93	80	83	88	89	109	99	93
Psychology .....	28	44	46	39	38	41	43	37	45	50
Non-S&E <sup>2</sup> .....	278	318	270	325	317	307	317	353	323	347
Black recipients from HBCUs										
Total, all fields .....	48	56	55	56	68	51	58	64	54	83
Science and engineering .....	23	30	28	32	40	33	35	39	31	41
Engineering .....	2	0	3	1	3	1	6	4	1	5
Sciences .....	21	30	25	31	37	32	29	35	30	36
Natural sciences .....	5	15	7	17	17	16	16	19	15	17
Physical science <sup>1</sup> .....	0	5	2	6	4	8	5	6	11	7
Mathematical science .....	0	0	1	0	0	0	2	0	0	2
Computer science .....	0	0	0	0	0	0	0	0	0	0
Biological science .....	5	9	4	10	11	7	9	11	4	8
Agricultural science .....	0	1	0	1	2	1	0	2	0	0
Social sciences .....	16	15	18	14	20	16	13	16	15	19
Social science .....	14	12	10	8	16	11	10	12	12	14
Psychology .....	2	3	8	6	4	5	3	4	3	5
Non-S&E <sup>2</sup> .....	25	26	27	24	28	18	23	25	23	42

See explanatory information and SOURCES at end of table.



**Table 20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Percent from HBCUs									
Total, all fields .....	9.3	9.7	10.0	9.2	10.7	8.0	9.5	9.1	8.4	12.3
Science and engineering .....	9.7	11.5	9.9	11.1	12.5	10.0	11.9	11.2	9.7	12.6
Engineering .....	4.7	.0	7.5	1.8	5.5	1.3	10.0	5.4	1.8	7.5
Sciences .....	10.8	13.5	10.3	13.4	13.9	12.6	12.4	12.8	11.5	13.9
Natural sciences .....	6.3	15.2	6.8	15.0	11.7	12.8	15.7	15.0	12.7	14.7
Physical science <sup>1</sup> .....	.0	14.3	5.3	22.2	8.3	17.0	16.1	13.0	25.0	18.4
Mathematical science .....	.0	.0	12.5	.0	.0	.0	22.2	.0	.0	16.7
Computer science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science .....	13.2	20.9	12.1	15.6	19.0	13.5	22.0	22.0	9.1	14.5
Agricultural science .....	.0	8.3	.0	9.1	8.3	5.6	.0	12.5	.0	.0
Social sciences .....	13.9	12.2	12.9	11.8	16.5	12.4	9.8	11.0	10.4	13.3
Social science .....	16.1	15.2	10.8	10.0	19.3	12.5	11.2	11.0	12.1	15.1
Psychology .....	7.1	6.8	17.4	15.4	10.5	12.2	7.0	10.8	6.7	10.0
Non-S&E <sup>2</sup> .....	9.0	8.2	10.0	7.4	8.8	5.9	7.3	7.1	7.1	12.1

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 21. Number and percent of doctoral degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all black recipients										
Total, all fields .....	593	699	725	849	808	838	993	1,062	1,106	1,056
Science and engineering .....	166	207	216	263	251	286	351	367	391	375
Engineering .....	6	11	13	15	19	23	22	24	24	25
Sciences .....	160	196	203	248	232	263	329	343	367	350
Natural sciences .....	35	51	70	72	60	81	122	123	119	129
Physical science <sup>1</sup> .....	7	10	14	18	15	12	33	34	25	22
Mathematical science .....	0	1	3	1	2	2	7	6	7	7
Computer science .....	1	4	2	4	3	1	8	9	5	10
Biological science .....	24	32	45	43	40	60	70	66	74	84
Agricultural science .....	3	4	6	6	0	6	4	8	8	6
Social sciences .....	125	145	133	176	172	182	207	220	248	221
Social science .....	50	71	55	66	58	71	92	85	104	97
Psychology .....	75	74	78	110	114	111	115	135	144	124
Non-S&E <sup>2</sup> .....	427	492	509	586	557	552	642	695	715	681
Black recipients from HBCUs										
Total, all fields .....	56	79	79	81	73	64	99	96	102	100
Science and engineering .....	20	30	24	27	26	28	33	31	35	31
Engineering .....	0	0	1	0	1	0	0	0	1	0
Sciences .....	20	30	23	27	25	28	33	31	34	31
Natural sciences .....	7	11	10	12	8	16	17	15	17	18
Physical science <sup>1</sup> .....	0	1	1	4	0	0	2	3	3	2
Mathematical science .....	0	0	1	0	0	2	0	0	1	0
Computer science .....	0	0	0	0	1	0	0	0	0	0
Biological science .....	7	10	8	8	7	12	15	11	13	16
Agricultural science .....	0	0	0	0	0	2	0	1	0	0
Social sciences .....	13	19	13	15	17	12	16	16	17	13
Social science .....	5	10	1	3	9	4	7	5	6	4
Psychology .....	8	9	12	12	8	8	9	11	11	9
Non-S&E <sup>2</sup> .....	36	49	55	54	47	36	66	65	67	69

See explanatory information and SOURCES at end of table.

**Table 21. Number and percent of doctoral degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Percent from HBCUs									
Total, all fields .....	9.4	11.3	10.9	9.5	9.0	7.6	10.0	9.0	9.2	9.5
Science and engineering .....	12.0	14.5	11.1	10.3	10.4	9.8	9.4	8.4	9.0	8.3
Engineering .....	.0	.0	7.7	.0	5.3	.0	.0	.0	4.2	.0
Sciences .....	12.5	15.3	11.3	10.9	10.8	10.6	10.0	9.0	9.3	8.9
Natural sciences .....	20.0	21.6	14.3	16.7	13.3	19.8	13.9	12.2	14.3	14.0
Physical science <sup>1</sup> .....	.0	10.0	7.1	22.2	.0	.0	6.1	8.8	12.0	9.1
Mathematical science .....	.0	.0	33.3	.0	.0	100.0	.0	.0	14.3	.0
Computer science .....	.0	.0	.0	.0	33.3	.0	.0	.0	.0	.0
Biological science .....	29.2	31.3	17.8	18.6	17.5	20.0	21.4	16.7	17.6	19.0
Agricultural science .....	.0	.0	.0	.0	0	33.3	.0	12.5	.0	.0
Social sciences .....	10.4	13.1	9.8	8.5	9.9	6.6	7.7	7.3	6.9	5.9
Social science .....	10.0	14.1	1.8	4.5	15.5	5.6	7.6	5.9	5.8	4.1
Psychology .....	10.7	12.2	15.4	10.9	7.0	7.2	7.8	8.1	7.6	7.3
Non-S&E <sup>2</sup> .....	8.4	10.0	10.8	9.2	8.4	6.5	10.3	9.4	9.4	10.1

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 22. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324	89,972
Science and engineering .....	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939	29,262
Engineering .....	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068	4,014
Sciences .....	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871	25,248
Natural sciences .....	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767	9,048
Physical science <sup>1</sup> .....	546	599	733	800	872	853	914	1,010	1,027
Mathematical science .....	482	470	543	536	585	581	642	640	668
Computer science .....	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035	2,199
Biological science .....	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446	4,546
Agricultural science .....	214	217	336	386	506	561	632	636	608
Social sciences .....	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104	16,200
Social science .....	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977	10,022
Psychology .....	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127	6,178
Non-S&E <sup>2</sup> .....	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385	60,710
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	12,755	13,359	13,454	13,792	14,106	14,093	13,905	16,147	15,738
Science and engineering .....	3,007	3,001	3,205	3,501	3,628	3,849	3,889	4,193	4,253
Engineering .....	686	697	742	988	915	1,125	971	969	1,000
Sciences .....	2,321	2,304	2,463	2,513	2,713	2,724	2,918	3,224	3,253
Natural sciences .....	1,339	1,300	1,374	1,459	1,658	1,641	1,858	2,036	2,032
Physical science <sup>1</sup> .....	172	172	227	311	324	303	314	381	338
Mathematical science .....	34	41	27	27	39	24	20	29	20
Computer science .....	296	254	258	257	263	202	248	282	224
Biological science .....	837	833	808	812	964	1,021	1,159	1,226	1,324
Agricultural science .....	0	0	54	52	68	91	117	118	126
Social sciences .....	982	1,004	1,089	1,054	1,055	1,083	1,060	1,188	1,221
Social science .....	496	508	590	554	549	603	596	601	615
Psychology .....	486	496	499	500	506	480	464	587	606
Non-S&E <sup>2</sup> .....	9,748	10,358	10,249	10,291	10,478	10,244	10,016	11,954	11,485

See explanatory information and SOURCE at end of table.

**Table 22. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from institutions in Puerto Rico								
Total, all fields .....	24.1	23.1	21.5	20.7	19.9	18.8	17.8	18.3	17.5
Science and engineering .....	17.3	16.3	15.6	15.8	15.2	15.2	14.6	14.5	14.5
Engineering .....	25.1	23.5	23.6	27.1	24.5	27.3	23.5	23.8	24.9
Sciences .....	15.8	14.9	14.2	13.6	13.5	12.9	12.9	13.0	12.9
Natural sciences .....	27.4	25.8	24.3	23.8	24.5	23.3	23.6	23.2	22.5
Physical science <sup>1</sup> .....	31.5	28.7	31.0	38.9	37.2	35.5	34.4	37.7	32.9
Mathematical science .....	7.1	8.7	5.0	5.0	6.7	4.1	3.1	4.5	3.0
Computer science .....	25.2	23.2	22.7	19.7	20.5	15.9	17.6	13.9	10.2
Biological science .....	33.8	31.4	27.9	26.3	27.4	26.9	27.1	27.6	29.1
Agricultural science .....	.0	.0	16.1	13.5	13.4	16.2	18.5	18.6	20.7
Social sciences .....	10.1	9.6	9.3	8.5	7.9	7.7	7.2	7.4	7.5
Social science .....	7.6	7.4	7.6	7.0	6.6	6.8	6.5	6.0	6.1
Psychology .....	15.0	13.8	12.5	11.0	10.0	9.1	8.4	9.6	9.8
Non-S&E <sup>2</sup> .....	27.4	26.3	24.3	23.1	22.2	20.6	19.5	20.1	18.9

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 23. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657	35,305
Science and engineering .....	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126	13,269
Engineering .....	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081	3,053
Sciences .....	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045	10,216
Natural sciences .....	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278	4,458
Physical science <sup>1</sup> .....	326	361	415	437	488	468	474	505	530
Mathematical science .....	279	273	300	315	354	340	338	348	356
Computer science .....	724	700	719	876	824	841	920	1,373	1,519
Biological science .....	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736	1,756
Agricultural science .....	125	130	193	228	283	297	318	316	297
Social sciences .....	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767	5,758
Social science .....	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339	4,362
Psychology .....	826	928	996	1,166	1,326	1,285	1,382	1,428	1,396
Non-S&E <sup>2</sup> .....	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531	22,036
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	4,252	4,369	4,513	4,864	4,966	4,948	4,770	5,522	5,455
Science and engineering .....	1,362	1,339	1,426	1,657	1,711	1,789	1,762	1,822	1,816
Engineering .....	498	511	534	743	661	791	698	684	695
Sciences .....	864	828	892	914	1,050	998	1,064	1,138	1,121
Natural sciences .....	520	496	540	609	692	656	717	798	744
Physical science <sup>1</sup> .....	78	70	86	131	143	134	123	132	123
Mathematical science .....	20	24	15	16	28	16	12	20	13
Computer science .....	159	147	149	164	162	123	136	189	157
Biological science .....	263	255	258	265	322	331	385	394	386
Agricultural science .....	0	0	32	33	37	52	61	63	65
Social sciences .....	344	332	352	305	358	342	347	340	377
Social science .....	243	211	248	220	218	249	250	229	247
Psychology .....	101	121	104	85	140	93	97	111	130
Non-S&E <sup>2</sup> .....	2,890	3,030	3,087	3,207	3,255	3,159	3,008	3,700	3,639

See explanatory information and SOURCE at end of table.

**Table 23. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Percent from institutions in Puerto Rico									
Total, all fields .....	19.3	18.3	17.5	17.4	16.9	16.2	15.0	15.9	15.5
Science and engineering .....	15.6	14.6	14.0	15.0	14.8	14.9	14.0	13.9	13.7
Engineering .....	22.8	21.7	21.4	25.7	22.8	24.7	22.0	22.2	22.8
Sciences .....	13.2	12.2	11.6	11.2	12.1	11.3	11.3	11.3	11.0
Natural sciences .....	20.8	19.0	18.5	19.1	19.7	18.5	18.5	18.7	16.7
Physical science <sup>1</sup> .....	23.9	19.4	20.7	30.0	29.3	28.6	25.9	26.1	23.2
Mathematical science .....	7.2	8.8	5.0	5.1	7.9	4.7	3.6	5.7	3.7
Computer science .....	22.0	21.0	20.7	18.7	19.7	14.6	14.8	13.8	10.3
Biological science .....	25.2	22.3	19.9	19.8	20.6	20.7	21.1	22.7	22.0
Agricultural science .....	.0	.0	16.6	14.5	13.1	17.5	19.2	19.9	21.9
Social sciences .....	8.5	7.9	7.4	6.2	6.9	6.4	6.2	5.9	6.5
Social science .....	7.5	6.5	6.6	5.8	5.6	6.2	6.0	5.3	5.7
Psychology .....	12.2	13.0	10.4	7.3	10.6	7.2	7.0	7.8	9.3
Non-S&E <sup>2</sup> .....	21.7	20.7	19.7	19.0	18.3	17.1	15.8	17.2	16.5

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 24. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667	54,667
Science and engineering .....	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813	15,993
Engineering .....	546	606	648	756	834	929	946	987	961
Sciences .....	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826	15,032
Natural sciences .....	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489	4,590
Physical science <sup>1</sup> .....	220	238	318	363	384	385	440	505	497
Mathematical science .....	203	197	243	221	231	241	304	292	312
Computer science .....	449	396	416	431	456	426	490	662	680
Biological science .....	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710	2,790
Agricultural science .....	89	87	143	158	223	264	314	320	311
Social sciences .....	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337	10,442
Social science .....	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638	5,660
Psychology .....	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699	4,782
Non-S&E <sup>2</sup> .....	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854	38,674
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	8,503	8,990	8,941	8,928	9,140	9,145	9,135	10,625	10,283
Science and engineering .....	1,645	1,662	1,779	1,844	1,917	2,060	2,127	2,371	2,437
Engineering .....	188	186	208	245	254	334	273	285	305
Sciences .....	1,457	1,476	1,571	1,599	1,663	1,726	1,854	2,086	2,132
Natural sciences .....	819	804	834	850	966	985	1,141	1,238	1,288
Physical science <sup>1</sup> .....	94	102	141	180	181	169	191	249	215
Mathematical science .....	14	17	12	11	11	8	8	9	7
Computer science .....	137	107	109	93	101	79	112	93	67
Biological science .....	574	578	550	547	642	690	774	832	938
Agricultural science .....	0	0	22	19	31	39	56	55	61
Social sciences .....	638	672	737	749	697	741	713	848	844
Social science .....	253	297	342	334	331	354	346	372	368
Psychology .....	385	375	395	415	366	387	367	476	476
Non-S&E <sup>2</sup> .....	6,858	7,328	7,162	7,084	7,223	7,085	7,008	8,254	7,846

See explanatory information and SOURCE at end of table.



**Table 24. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from institutions in Puerto Rico								
Total, all fields .....	27.4	26.4	24.3	23.0	21.9	20.6	19.7	19.8	18.8
Science and engineering .....	19.0	17.9	17.2	16.5	15.7	15.6	15.1	15.0	15.2
Engineering .....	34.4	30.7	32.1	32.4	30.5	36.0	28.9	28.9	31.7
Sciences .....	18.0	17.0	16.2	15.4	14.6	14.0	14.1	14.1	14.2
Natural sciences .....	34.2	33.1	30.6	29.1	29.7	28.1	28.5	27.6	28.1
Physical science <sup>1</sup> .....	42.7	42.9	44.3	49.6	47.1	43.9	43.4	49.3	43.3
Mathematical science .....	6.9	8.6	4.9	5.0	4.8	3.3	2.6	3.1	2.2
Computer science .....	30.5	27.0	26.2	21.6	22.1	18.5	22.9	14.0	9.9
Biological science .....	40.0	38.3	34.3	31.3	32.7	31.4	31.5	30.7	33.6
Agricultural science .....	.0	.0	15.4	12.0	13.9	14.8	17.8	17.2	19.6
Social sciences .....	11.2	10.8	10.6	10.0	8.6	8.4	7.8	8.2	8.1
Social science .....	7.7	8.3	8.6	8.1	7.5	7.4	6.9	6.6	6.5
Psychology .....	15.9	14.1	13.2	12.3	9.9	9.7	8.9	10.1	10.0
Non-S&E <sup>2</sup> .....	30.7	29.6	27.0	25.6	24.5	22.7	21.7	21.8	20.3

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 25. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803	22,163
Science and engineering .....	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319	3,535
Engineering .....	488	581	719	711	748	765	807	852	837
Sciences .....	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467	2,698
Natural sciences .....	503	574	680	665	677	720	737	882	1,018
Physical science <sup>1</sup> .....	93	114	114	129	127	139	149	126	147
Mathematical science .....	66	78	75	75	91	71	91	97	74
Computer science .....	149	162	169	198	173	197	193	262	371
Biological science .....	146	151	138	167	191	208	188	264	303
Agricultural science .....	49	69	184	96	95	105	116	133	123
Social sciences .....	815	937	1,115	1,209	1,305	1,397	1,527	1,585	1,680
Social science .....	396	474	557	553	596	626	676	686	678
Psychology .....	419	463	558	656	709	771	851	899	1,002
Non-S&E <sup>2</sup> .....	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484	18,628
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	1,224	1,241	1,682	1,523	1,491	1,544	1,693	2,527	2,344
Science and engineering .....	140	160	311	289	288	339	371	536	541
Engineering .....	0	1	86	64	75	83	106	128	158
Sciences .....	140	159	225	225	213	256	265	408	383
Natural sciences .....	27	47	68	72	91	105	108	154	167
Physical science <sup>1</sup> .....	9	12	18	17	31	33	37	36	38
Mathematical science .....	7	14	8	9	6	7	6	10	2
Computer science .....	0	4	5	6	5	9	12	41	49
Biological science .....	11	17	18	20	37	28	22	27	36
Agricultural science .....	0	0	19	20	12	28	31	40	42
Social sciences .....	113	112	157	153	122	151	157	254	216
Social science .....	32	30	36	17	28	27	18	34	18
Psychology .....	81	82	121	136	94	124	139	220	198
Non-S&E <sup>2</sup> .....	1,084	1,081	1,371	1,234	1,203	1,205	1,322	1,991	1,803

See explanatory information and SOURCE at end of table.

**Table 25. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from institutions in Puerto Rico								
Total, all fields .....	11.9	10.9	12.8	11.0	9.7	9.4	9.7	12.1	10.6
Science and engineering .....	7.8	7.6	12.4	11.2	10.5	11.8	12.1	16.1	15.3
Engineering .....	.0	.2	12.0	9.0	10.0	10.8	13.1	15.0	18.9
Sciences .....	10.6	10.5	12.5	12.0	10.7	12.1	11.7	16.5	14.2
Natural sciences .....	5.4	8.2	10.0	10.8	13.4	14.6	14.7	17.5	16.4
Physical science <sup>1</sup> .....	9.7	10.5	15.8	13.2	24.4	23.7	24.8	28.6	25.9
Mathematical science .....	10.6	17.9	10.7	12.0	6.6	9.9	6.6	10.3	2.7
Computer science .....	.0	2.5	3.0	3.0	2.9	4.6	6.2	15.6	13.2
Biological science .....	7.5	11.3	13.0	12.0	19.4	13.5	11.7	10.2	11.9
Agricultural science .....	.0	.0	10.3	20.8	12.6	26.7	26.7	30.1	34.1
Social sciences .....	13.9	12.0	14.1	12.7	9.3	10.8	10.3	16.0	12.9
Social science .....	8.1	6.3	6.5	3.1	4.7	4.3	2.7	5.0	2.7
Psychology .....	19.3	17.7	21.7	20.7	13.3	16.1	16.3	24.5	19.8
Non-S&E <sup>2</sup> .....	12.8	11.6	12.9	10.9	9.5	8.9	9.2	11.4	9.7

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 26. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004	8,238
Science and engineering .....	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716	1,721
Engineering .....	408	480	582	578	580	589	629	651	616
Sciences .....	658	775	845	880	898	987	967	1,065	1,105
Natural sciences .....	309	341	414	423	402	435	415	498	556
Physical science <sup>1</sup> .....	64	76	80	88	80	86	87	77	90
Mathematical science .....	47	50	44	53	57	50	51	57	41
Computer science .....	98	104	120	151	125	141	123	183	235
Biological science .....	69	76	65	75	85	107	96	122	141
Agricultural science .....	31	35	105	56	55	51	58	59	49
Social sciences .....	349	434	431	457	496	552	552	567	549
Social science .....	218	282	290	283	320	344	333	329	304
Psychology .....	131	152	141	174	176	208	219	238	245
Non-S&E <sup>2</sup> .....	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288	6,517
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	398	402	586	500	497	531	574	832	778
Science and engineering .....	48	56	154	130	144	148	169	237	246
Engineering .....	0	1	68	51	61	56	76	93	112
Sciences .....	48	55	86	79	83	92	93	144	134
Natural sciences .....	12	23	43	47	49	48	54	77	82
Physical science <sup>1</sup> .....	4	6	15	14	16	19	17	20	24
Mathematical science .....	4	11	5	6	3	4	6	7	1
Computer science .....	0	1	3	3	3	4	6	29	28
Biological science .....	4	5	8	10	19	11	13	10	15
Agricultural science .....	0	0	12	14	8	10	12	11	14
Social sciences .....	36	32	43	32	34	44	39	67	52
Social science .....	14	16	25	9	14	16	10	20	6
Psychology .....	22	16	18	23	20	28	29	47	46
Non-S&E <sup>2</sup> .....	350	346	432	370	353	383	405	595	532

See explanatory information and SOURCE at end of table.

**Table 26. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from institutions in Puerto Rico								
Total, all fields .....	9.1	8.2	10.7	8.7	8.2	8.2	8.4	10.4	9.4
Science and engineering .....	4.5	4.5	10.8	8.9	9.7	9.4	10.6	13.8	14.3
Engineering .....	.0	.2	11.7	8.8	10.5	9.5	12.1	14.3	18.2
Sciences .....	7.3	7.1	10.2	9.0	9.2	9.3	9.6	13.5	12.1
Natural sciences .....	3.9	6.7	10.4	11.1	12.2	11.0	13.0	15.5	14.7
Physical science <sup>1</sup> .....	6.3	7.9	18.8	15.9	20.0	22.1	19.5	26.0	26.7
Mathematical science .....	8.5	22.0	11.4	11.3	5.3	8.0	11.8	12.3	2.4
Computer science .....	.0	1.0	2.5	2.0	2.4	2.8	4.9	15.8	11.9
Biological science .....	5.8	6.6	12.3	13.3	22.4	10.3	13.5	8.2	10.6
Agricultural science .....	.0	.0	11.4	25.0	14.5	19.6	20.7	18.6	28.6
Social sciences .....	10.3	7.4	10.0	7.0	6.9	8.0	7.1	11.8	9.5
Social science .....	6.4	5.7	8.6	3.2	4.4	4.7	3.0	6.1	2.0
Psychology .....	16.8	10.5	12.8	13.2	11.4	13.5	13.2	19.7	18.8
Non-S&E <sup>2</sup> .....	10.6	9.6	10.7	8.7	7.7	7.8	7.7	9.5	8.2

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 27. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total, all Hispanic recipients									
Total, all fields .....	5,875	6,496	7,694	8,180	9,322	9,894	10,568	12,799	13,925
Science and engineering .....	740	837	1,087	1,127	1,252	1,306	1,475	1,603	1,814
Engineering .....	80	101	137	133	168	176	178	201	221
Sciences .....	660	736	950	994	1,084	1,130	1,297	1,402	1,593
Natural sciences .....	194	233	266	242	275	285	322	384	462
Physical science <sup>1</sup> .....	29	38	34	41	47	53	62	49	57
Mathematical science .....	19	28	31	22	34	21	40	40	33
Computer science .....	51	58	49	47	48	56	70	79	136
Biological science .....	77	75	73	92	106	101	92	142	162
Agricultural science .....	18	34	79	40	40	54	58	74	74
Social sciences .....	466	503	684	752	809	845	975	1,018	1,131
Social science .....	178	192	267	270	276	282	343	357	374
Psychology .....	288	311	417	482	533	563	632	661	757
Non-S&E <sup>2</sup> .....	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196	12,111
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	826	839	1,096	1,023	994	1,013	1,119	1,695	1,566
Science and engineering .....	92	104	157	159	144	191	202	299	295
Engineering .....	0	0	18	13	14	27	30	35	46
Sciences .....	92	104	139	146	130	164	172	264	249
Natural sciences .....	15	24	25	25	42	57	54	77	85
Physical science <sup>1</sup> .....	5	6	3	3	15	14	20	16	14
Mathematical science .....	3	3	3	3	3	3	0	3	1
Computer science .....	0	3	2	3	2	5	6	12	21
Biological science .....	7	12	10	10	18	17	9	17	21
Agricultural science .....	0	0	7	6	4	18	19	29	28
Social sciences .....	77	80	114	121	88	107	118	187	164
Social science .....	18	14	11	8	14	11	8	14	12
Psychology .....	59	66	103	113	74	96	110	173	152
Non-S&E <sup>2</sup> .....	734	735	939	864	850	822	917	1,396	1,271

See explanatory information and SOURCE at end of table.

**Table 27. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	2000	2001
	Percent from institutions in Puerto Rico								
Total, all fields .....	14.1	12.9	14.2	12.5	10.7	10.2	10.6	13.2	11.2
Science and engineering .....	12.4	12.4	14.4	14.1	11.5	14.6	13.7	18.7	16.3
Engineering .....	.0	.0	13.1	9.8	8.3	15.3	16.9	17.4	20.8
Sciences .....	13.9	14.1	14.6	14.7	12.0	14.5	13.3	18.8	15.6
Natural sciences .....	7.7	10.3	9.4	10.3	15.3	20.0	16.8	20.1	18.4
Physical science <sup>1</sup> .....	17.2	15.8	8.8	7.3	31.9	26.4	32.3	32.7	24.6
Mathematical science .....	15.8	10.7	9.7	13.6	8.8	14.3	.0	7.5	3.0
Computer science .....	.0	5.2	4.1	6.4	4.2	8.9	8.6	15.2	15.4
Biological science .....	9.1	16.0	13.7	10.9	17.0	16.8	9.8	12.0	13.0
Agricultural science .....	.0	.0	8.9	15.0	10.0	33.3	32.8	39.2	37.8
Social sciences .....	16.5	15.9	16.7	16.1	10.9	12.7	12.1	18.4	14.5
Social science .....	10.1	7.3	4.1	3.0	5.1	3.9	2.3	3.9	3.2
Psychology .....	20.5	21.2	24.7	23.4	13.9	17.1	17.4	26.2	20.1
Non-S&E <sup>2</sup> .....	14.3	13.0	14.2	12.3	10.5	9.6	10.1	12.5	10.5

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

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

See section C for specific fields included in each category.

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

**Table 28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all Hispanic recipients										
Total, all fields .....	909	972	1,030	1,064	1,113	1,198	1,327	1,324	1,308	1,270
Science and engineering .....	513	542	548	573	626	658	754	722	729	672
Engineering .....	71	66	66	77	99	96	110	83	82	90
Sciences .....	442	476	482	496	527	562	644	639	647	582
Natural sciences .....	228	249	274	255	257	293	315	303	324	287
Physical science <sup>1</sup> .....	88	92	98	86	86	85	70	84	96	80
Mathematical science .....	12	16	13	15	11	20	27	15	15	15
Computer science .....	8	7	7	6	16	16	15	14	14	8
Biological science .....	102	114	131	127	131	146	168	175	173	165
Agricultural science .....	18	20	25	21	13	26	35	15	26	19
Social sciences .....	214	227	208	241	270	269	329	336	323	295
Social science .....	81	96	75	95	97	98	121	121	112	120
Psychology .....	133	131	133	146	173	171	208	215	211	175
Non-S&E <sup>2</sup> .....	396	430	482	491	487	540	573	602	579	598
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	50	30	57	51	43	91	107	150	111	95
Science and engineering .....	26	14	30	36	29	50	73	98	73	49
Engineering .....	0	0	0	0	0	0	0	1	0	1
Sciences .....	26	14	30	36	29	50	73	97	73	48
Natural sciences .....	5	6	12	5	3	7	9	22	16	25
Physical science <sup>1</sup> .....	4	4	7	5	3	6	4	12	6	5
Mathematical science .....	0	0	0	0	0	0	0	0	0	0
Computer science .....	0	0	0	0	0	0	0	0	0	0
Biological science .....	1	2	5	0	0	1	5	10	10	19
Agricultural science .....	0	0	0	0	0	0	0	0	0	1
Social sciences .....	21	8	18	31	26	43	64	75	57	23
Social science .....	5	0	1	0	0	1	0	1	0	0
Psychology .....	16	8	17	31	26	42	64	74	57	23
Non-S&E <sup>2</sup> .....	24	16	27	15	14	41	34	52	38	46

See explanatory information and SOURCES at end of table.



**Table 28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Percent from institutions in Puerto Rico										
Total, all fields .....	5.5	3.1	5.5	4.8	3.9	7.6	8.1	11.3	8.5	7.5
Science and engineering .....	5.1	2.6	5.5	6.3	4.6	7.6	9.7	13.6	10.0	7.3
Engineering .....	.0	.0	.0	.0	.0	.0	.0	1.2	.0	1.1
Sciences .....	5.9	2.9	6.2	7.3	5.5	8.9	11.3	15.2	11.3	8.2
Natural sciences .....	2.2	2.4	4.4	2.0	1.2	2.4	2.9	7.3	4.9	8.7
Physical science <sup>1</sup> .....	4.5	4.3	7.1	5.8	3.5	7.1	5.7	14.3	6.3	6.3
Mathematical science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Computer science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science .....	1.0	1.8	3.8	.0	.0	.7	3.0	5.7	5.8	11.5
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.3
Social sciences .....	9.8	3.5	8.7	12.9	9.6	16.0	19.5	22.3	17.6	7.8
Social science .....	6.2	.0	1.3	.0	.0	1.0	.0	.8	.0	.0
Psychology .....	12.0	6.1	12.8	21.2	15.0	24.6	30.8	34.4	27.0	13.1
Non-S&E <sup>2</sup> .....	6.1	3.7	5.6	3.1	2.9	7.6	5.9	8.6	6.6	7.7

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all Hispanic recipients										
Total, all fields .....	482	517	518	542	567	624	682	579	609	569
Science and engineering .....	308	320	318	341	353	392	428	360	379	336
Engineering .....	56	54	60	66	84	73	97	60	69	68
Sciences .....	252	266	258	275	269	319	331	300	310	268
Natural sciences .....	151	162	174	168	162	195	198	186	184	161
Physical science <sup>1</sup> .....	62	70	75	59	68	65	53	58	68	49
Mathematical science .....	9	14	10	11	11	14	20	10	8	10
Computer science .....	7	6	7	2	9	14	14	11	11	4
Biological science .....	59	57	69	80	65	83	89	99	82	88
Agricultural science .....	14	15	13	16	9	19	22	8	15	10
Social sciences .....	101	104	84	107	107	124	133	114	126	107
Social science .....	46	59	41	58	54	60	77	57	67	61
Psychology .....	55	45	43	49	53	64	56	57	59	46
Non-S&E <sup>2</sup> .....	174	197	200	201	214	232	254	219	230	233
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	14	10	18	16	15	30	23	42	28	28
Science and engineering .....	11	7	11	13	11	18	15	30	17	15
Engineering .....	0	0	0	0	0	0	0	1	0	1
Sciences .....	11	7	11	13	11	18	15	29	17	14
Natural sciences .....	4	4	6	4	2	3	4	16	5	10
Physical science <sup>1</sup> .....	3	2	5	4	2	3	0	9	4	4
Mathematical science .....	0	0	0	0	0	0	0	0	0	0
Computer science .....	0	0	0	0	0	0	0	0	0	0
Biological science .....	1	2	1	0	0	0	4	7	1	5
Agricultural science .....	0	0	0	0	0	0	0	0	0	1
Social sciences .....	7	3	5	9	9	15	11	13	12	4
Social science .....	0	0	0	0	0	0	0	0	0	0
Psychology .....	7	3	5	9	9	15	11	13	12	4
Non-S&E <sup>2</sup> .....	3	3	7	3	4	12	8	12	11	13

See explanatory information and SOURCES at end of table.

**Table 29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Percent from institutions in Puerto Rico										
Total, all fields .....	2.9	1.9	3.5	3.0	2.6	4.8	3.4	7.3	4.6	4.9
Science and engineering .....	3.6	2.2	3.5	3.8	3.1	4.6	3.5	8.3	4.5	4.5
Engineering .....	.0	.0	.0	.0	.0	.0	.0	1.7	.0	1.5
Sciences .....	4.4	2.6	4.3	4.7	4.1	5.6	4.5	9.7	5.5	5.2
Natural sciences .....	2.6	2.5	3.4	2.4	1.2	1.5	2.0	8.6	2.7	6.2
Physical science <sup>1</sup> .....	4.8	2.9	6.7	6.8	2.9	4.6	.0	15.5	5.9	8.2
Mathematical science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Computer science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science .....	1.7	3.5	1.4	.0	.0	.0	4.5	7.1	1.2	5.7
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	10.0
Social sciences .....	6.9	2.9	6.0	8.4	8.4	12.1	8.3	11.4	9.5	3.7
Social science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Psychology .....	12.7	6.7	11.6	18.4	17.0	23.4	19.6	22.8	20.3	8.7
Non-S&E <sup>2</sup> .....	1.7	1.5	3.5	1.5	1.9	5.2	3.1	5.5	4.8	5.6

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, all Hispanic recipients										
Total, all fields .....	427	455	512	522	546	574	644	745	698	701
Science and engineering .....	205	222	230	232	273	266	326	362	349	336
Engineering .....	15	12	6	11	15	23	13	23	13	22
Sciences .....	190	210	224	221	258	243	313	339	336	314
Natural sciences .....	77	87	100	87	95	98	117	117	140	126
Physical science <sup>1</sup> .....	26	22	23	27	18	20	17	26	28	31
Mathematical science .....	3	2	3	4	0	6	7	5	7	5
Computer science .....	1	1	0	4	7	2	1	3	3	4
Biological science .....	43	57	62	47	66	63	79	76	91	77
Agricultural science .....	4	5	12	5	4	7	13	7	11	9
Social sciences .....	113	123	124	134	163	145	196	222	196	188
Social science .....	35	37	34	37	43	38	44	64	45	59
Psychology .....	78	86	90	97	120	107	152	158	151	129
Non-S&E <sup>2</sup> .....	222	233	282	290	273	308	318	383	349	365
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	36	20	39	35	28	61	84	108	82	67
Science and engineering .....	15	7	19	23	18	32	58	68	55	34
Engineering .....	0	0	0	0	0	0	0	0	0	0
Sciences .....	15	7	19	23	18	32	58	68	55	34
Natural sciences .....	1	2	6	1	1	4	5	6	11	15
Physical science <sup>1</sup> .....	1	2	2	1	1	3	4	3	2	1
Mathematical science .....	0	0	0	0	0	0	0	0	0	0
Computer science .....	0	0	0	0	0	0	0	0	0	0
Biological science .....	0	0	4	0	0	1	1	3	9	14
Agricultural science .....	0	0	0	0	0	0	0	0	0	0
Social sciences .....	14	5	13	22	17	28	53	62	44	19
Social science .....	5	0	1	0	0	1	0	1	0	0
Psychology .....	9	5	12	22	17	27	53	61	44	19
Non-S&E <sup>2</sup> .....	21	13	20	12	10	29	26	40	27	33

See explanatory information and SOURCES at end of table.

**Table 30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1992-2001**

Field	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Percent from institutions in Puerto Rico										
Total, all fields .....	8.4	4.4	7.6	6.7	5.1	10.6	13.0	14.5	11.7	9.6
Science and engineering .....	7.3	3.2	8.3	9.9	6.6	12.0	17.8	18.8	15.8	10.1
Engineering .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sciences .....	7.9	3.3	8.5	10.4	7.0	13.2	18.5	20.1	16.4	10.8
Natural sciences .....	1.3	2.3	6.0	1.1	1.1	4.1	4.3	5.1	7.9	11.9
Physical science <sup>1</sup> .....	3.8	9.1	8.7	3.7	5.6	15.0	23.5	11.5	7.1	3.2
Mathematical science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Computer science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science .....	.0	.0	6.5	.0	.0	1.6	1.3	3.9	9.9	18.2
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences .....	12.4	4.1	10.5	16.4	10.4	19.3	27.0	27.9	22.4	10.1
Social science .....	14.3	.0	2.9	.0	.0	2.6	.0	1.6	.0	.0
Psychology .....	11.5	5.8	13.3	22.7	14.2	25.2	34.9	38.6	29.1	14.7
Non-S&E <sup>2</sup> .....	9.5	5.6	7.1	4.1	3.7	9.4	8.2	10.4	7.7	9.0

<sup>1</sup> In this report, "Physical science" includes earth, atmospheric, and oceanographic sciences, as well as physics, astronomy, and chemistry.

<sup>2</sup> Non-S&E refers to non-science and non-engineering.

**NOTES:** Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

See section C for specific fields included in each category.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 31. Number of earned bachelor's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	17,113	16,987	16,654	16,542	16,156	14,584	14,747	15,118	15,028
U.S. citizens and permanent residents, total <sup>1</sup> .....	16,597	16,546	16,161	15,992	15,571	14,027	14,157	14,677	14,511
White, non-Hispanics .....	13,286	13,245	12,909	12,616	12,032	10,946	10,977	10,762	10,603
Asians/Pacific Islanders .....	778	768	720	727	730	473	471	738	670
Underrepresented minorities, total .....	2,074	2,096	2,160	2,317	2,470	2,244	2,210	2,600	2,625
Black, non-Hispanics .....	1,239	1,132	1,249	1,319	1,370	1,423	1,369	1,427	1,390
Hispanics .....	747	853	813	883	988	722	738	1,066	1,107
American Indians or Alaskan Natives .....	88	111	98	115	112	99	103	107	128
U.S. citizens and permanent residents, unknown race/ethnicity .....	459	437	372	332	339	364	499	577	613
Nonresident aliens <sup>2</sup> .....	516	441	493	550	585	557	590	441	517
Men									
Total .....	15,309	15,089	14,835	14,649	14,325	12,889	12,931	13,202	13,004
U.S. citizens and permanent residents, total <sup>1</sup> .....	14,841	14,687	14,401	14,141	13,794	12,379	12,407	12,807	12,542
White, non-Hispanics .....	12,069	11,908	11,694	11,332	10,882	9,836	9,796	9,583	9,309
Asians/Pacific Islanders .....	690	678	641	637	656	421	418	662	584
Underrepresented minorities, total .....	1,659	1,694	1,729	1,881	1,956	1,781	1,756	2,073	2,112
Black, non-Hispanics .....	949	892	959	1,042	1,041	1,095	1,072	1,093	1,056
Hispanics .....	629	710	687	741	828	604	599	896	939
American Indians or Alaskan Natives .....	81	92	83	98	87	82	85	84	117
U.S. citizens and permanent residents, unknown race/ethnicity .....	423	407	337	291	300	341	437	489	537
Nonresident aliens <sup>2</sup> .....	468	402	434	508	531	510	524	395	462
Women									
Total .....	1,804	1,898	1,819	1,893	1,831	1,695	1,816	1,916	2,024
U.S. citizens and permanent residents, total <sup>1</sup> .....	1,756	1,859	1,760	1,851	1,777	1,648	1,750	1,870	1,969
White, non-Hispanics .....	1,217	1,337	1,215	1,284	1,150	1,110	1,181	1,179	1,294
Asians/Pacific Islanders .....	88	90	79	90	74	52	53	76	86
Underrepresented minorities, total .....	415	402	431	436	514	463	454	527	513
Black, non-Hispanics .....	290	240	290	277	329	328	297	334	334
Hispanics .....	118	143	126	142	160	118	139	170	168
American Indians or Alaskan Natives .....	7	19	15	17	25	17	18	23	11
U.S. citizens and permanent residents, unknown race/ethnicity .....	36	30	35	41	39	23	62	88	76
Nonresident aliens <sup>2</sup> .....	48	39	59	42	54	47	66	46	55

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

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

**Table 32. Number of earned master's degrees awarded in engineering technologies, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	1,278	1,555	1,547	1,577	1,651	1,414	1,700	1,350	1,381
U.S. citizens and permanent residents, total <sup>1</sup> .....	1,063	1,276	1,256	1,268	1,353	1,153	1,432	1,146	1,129
White, non-Hispanics .....	817	1,041	994	982	1,053	950	1,115	835	814
Asians/Pacific Islanders .....	58	40	46	55	61	49	62	53	65
Underrepresented minorities, total .....	92	94	112	131	135	115	205	160	156
Black, non-Hispanics .....	64	61	72	85	81	86	150	116	111
Hispanics .....	23	25	37	40	47	26	49	41	42
American Indians or Alaskan Natives .....	5	8	3	6	7	3	6	3	3
U.S. citizens and permanent residents, unknown race/ethnicity .....	96	101	104	100	104	39	50	98	94
Nonresident aliens <sup>2</sup> .....	215	279	291	309	298	261	268	204	252
Men									
Total .....	971	1,172	1,164	1,136	1,179	1,012	1,158	902	874
U.S. citizens and permanent residents, total <sup>1</sup> .....	815	961	949	940	990	842	1,002	775	728
White, non-Hispanics .....	619	783	753	726	777	704	801	585	540
Asians/Pacific Islanders .....	45	28	33	41	41	34	40	29	41
Underrepresented minorities, total .....	66	57	75	89	87	76	130	98	89
Black, non-Hispanics .....	46	32	48	53	51	56	95	63	55
Hispanics .....	16	18	27	32	32	17	31	33	32
American Indians or Alaskan Natives .....	4	7	0	4	4	3	4	2	2
U.S. citizens and permanent residents, unknown race/ethnicity .....	85	93	88	84	85	28	31	63	58
Nonresident aliens <sup>2</sup> .....	156	211	215	196	189	170	156	127	146
Women									
Total .....	307	383	383	441	472	402	542	448	507
U.S. citizens and permanent residents, total <sup>1</sup> .....	248	315	307	328	363	311	430	371	401
White, non-Hispanics .....	198	258	241	256	276	246	314	250	274
Asians/Pacific Islanders .....	13	12	13	14	20	15	22	24	24
Underrepresented minorities, total .....	26	37	37	42	48	39	75	62	67
Black, non-Hispanics .....	18	29	24	32	30	30	55	53	56
Hispanics .....	7	7	10	8	15	9	18	8	10
American Indians or Alaskan Natives .....	1	1	3	2	3	0	2	1	1
U.S. citizens and permanent residents, unknown race/ethnicity .....	11	8	16	16	19	11	19	35	36
Nonresident aliens <sup>2</sup> .....	59	68	76	113	109	91	112	77	106

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Data on race/ethnicity of degree recipients were collected on broad fields of study only until 1994; therefore, these trend data could not be adjusted to the exact field taxonomies used by NSF.

Engineering technologies are instructional programs that prepare individuals to support and assist engineering and related professionals or to independently provide such services. Programs stress specialized, practical knowledge related to the mathematical, scientific, or technical aspects of engineering and related sciences.

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

**Table 33. Number of earned bachelor's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	62,655	67,942	75,229	80,629	84,759	86,243	85,334	79,366	74,029
U.S. citizens and permanent residents, total <sup>1</sup> .....	61,792	66,929	74,200	79,608	83,641	85,135	84,427	78,519	72,980
White, non-Hispanics .....	51,328	55,482	61,624	64,992	67,509	67,823	65,778	59,261	54,379
Asians/Pacific Islanders .....	2,229	2,469	3,024	3,488	3,952	4,428	4,696	4,426	4,052
Underrepresented minorities, total .....	7,048	7,758	8,225	9,453	10,417	10,915	11,867	12,687	12,369
Black, non-Hispanics .....	4,151	4,670	4,817	5,691	6,186	6,438	7,059	7,593	7,259
Hispanics .....	2,571	2,747	3,018	3,305	3,722	3,939	4,221	4,536	4,597
American Indians or Alaskan Natives .....	326	341	390	457	509	538	587	558	513
U.S. citizens and permanent residents, unknown race/ethnicity .....	1,187	1,220	1,327	1,675	1,763	1,969	2,086	2,145	2,180
Nonresident aliens <sup>2</sup> .....	863	1,013	1,029	1,021	1,118	1,108	907	847	1,049
Men									
Total .....	10,305	11,467	13,180	14,564	15,561	16,008	15,252	12,924	11,971
U.S. citizens and permanent residents, total <sup>1</sup> .....	10,057	11,189	12,912	14,295	15,309	15,717	15,003	12,733	11,758
White, non-Hispanics .....	8,230	9,081	10,627	11,503	12,249	12,367	11,361	9,263	8,445
Asians/Pacific Islanders .....	541	561	694	891	968	1,108	1,163	1,077	956
Underrepresented minorities, total .....	1,032	1,285	1,315	1,595	1,781	1,876	2,098	2,022	1,969
Black, non-Hispanics .....	530	673	659	850	920	940	1,055	1,065	989
Hispanics .....	441	545	576	652	768	823	902	849	894
American Indians or Alaskan Natives .....	61	67	80	93	93	113	141	108	86
U.S. citizens and permanent residents, unknown race/ethnicity .....	254	262	276	306	311	366	381	371	388
Nonresident aliens <sup>2</sup> .....	248	278	268	269	252	291	249	191	213
Women									
Total .....	52,350	56,475	62,049	66,065	69,198	70,235	70,082	66,442	62,058
U.S. citizens and permanent residents, total <sup>1</sup> .....	51,735	55,740	61,288	65,313	68,332	69,418	69,424	65,786	61,222
White, non-Hispanics .....	43,098	46,401	50,997	53,489	55,260	55,456	54,417	49,998	45,934
Asians/Pacific Islanders .....	1,688	1,908	2,330	2,597	2,984	3,320	3,533	3,349	3,096
Underrepresented minorities, total .....	6,016	6,473	6,910	7,858	8,636	9,039	9,769	10,665	10,400
Black, non-Hispanics .....	3,621	3,997	4,158	4,841	5,266	5,498	6,004	6,528	6,270
Hispanics .....	2,130	2,202	2,442	2,653	2,954	3,116	3,319	3,687	3,703
American Indians or Alaskan Natives .....	265	274	310	364	416	425	446	450	427
U.S. citizens and permanent residents, unknown race/ethnicity .....	933	958	1,051	1,369	1,452	1,603	1,705	1,774	1,792
Nonresident aliens <sup>2</sup> .....	615	735	761	752	866	817	658	656	836

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Health fields include the medical and other health sciences shown in section C.

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



**Table 34. Number of earned master's degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	23,213	25,823	28,314	31,481	33,475	36,014	39,274	41,996	42,536
U.S. citizens and permanent residents, total <sup>1</sup> .....	21,903	24,357	26,814	29,734	31,960	34,335	37,696	40,152	40,508
White, non-Hispanics .....	18,464	20,509	22,154	24,141	25,894	27,968	29,754	31,517	30,971
Asians/Pacific Islanders .....	709	830	962	1,519	1,727	1,594	2,330	2,428	2,602
Underrepresented minorities, total .....	1,867	2,084	2,528	2,784	3,159	3,226	4,065	4,450	4,886
Black, non-Hispanics .....	1,092	1,251	1,431	1,609	1,804	1,910	2,384	2,537	2,871
Hispanics .....	685	718	967	1,049	1,205	1,150	1,488	1,683	1,816
American Indians or Alaskan Natives .....	90	115	130	126	150	166	193	230	199
U.S. citizens and permanent residents, unknown race/ethnicity .....	863	934	1,170	1,290	1,180	1,547	1,547	1,757	2,049
Nonresident aliens <sup>2</sup> .....	1,310	1,466	1,500	1,747	1,515	1,679	1,578	1,844	2,028
Men									
Total .....	4,714	5,248	5,874	6,793	6,980	7,697	8,692	9,406	9,504
U.S. citizens and permanent residents, total <sup>1</sup> .....	4,175	4,638	5,274	6,078	6,352	7,011	8,101	8,743	8,768
White, non-Hispanics .....	3,399	3,807	4,216	4,658	4,870	5,557	6,084	6,654	6,542
Asians/Pacific Islanders .....	215	222	295	578	615	501	780	710	781
Underrepresented minorities, total .....	352	399	495	568	608	621	876	974	954
Black, non-Hispanics .....	171	207	220	280	298	325	433	486	457
Hispanics .....	158	172	250	261	271	264	393	423	447
American Indians or Alaskan Natives .....	23	20	25	27	39	32	50	65	50
U.S. citizens and permanent residents, unknown race/ethnicity .....	209	210	268	274	259	332	361	405	491
Nonresident aliens <sup>2</sup> .....	539	610	600	715	628	686	591	663	736
Women									
Total .....	18,499	20,575	22,440	24,688	26,495	28,317	30,582	32,590	33,032
U.S. citizens and permanent residents, total <sup>1</sup> .....	17,728	19,719	21,540	23,656	25,608	27,324	29,595	31,409	31,740
White, non-Hispanics .....	15,065	16,702	17,938	19,483	21,024	22,411	23,670	24,863	24,429
Asians/Pacific Islanders .....	494	608	667	941	1,112	1,093	1,550	1,718	1,821
Underrepresented minorities, total .....	1,515	1,685	2,033	2,216	2,551	2,605	3,189	3,476	3,932
Black, non-Hispanics .....	921	1,044	1,211	1,329	1,506	1,585	1,951	2,051	2,414
Hispanics .....	527	546	717	788	934	886	1,095	1,260	1,369
American Indians or Alaskan Natives .....	67	95	105	99	111	134	143	165	149
U.S. citizens and permanent residents, unknown race/ethnicity .....	654	724	902	1,016	921	1,215	1,186	1,352	1,558
Nonresident aliens <sup>2</sup> .....	771	856	900	1,032	887	993	987	1,181	1,292

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

Health fields include the medical and other health sciences shown in section C.

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

**Table 35. Number of earned doctoral degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total										
Total .....	1,112	1,197	1,296	1,329	1,324	1,421	1,500	1,407	1,591	1,620
U.S. citizens and permanent residents, total <sup>1</sup> .....	847	937	1,041	1,039	1,008	1,023	1,136	1,043	1,183	1,148
White, non-Hispanics .....	735	800	867	832	822	828	929	837	961	921
Asians/Pacific Islanders .....	52	45	93	93	87	87	83	87	99	108
Underrepresented minorities, total .....	56	89	77	99	90	93	106	109	113	100
Black, non-Hispanics .....	38	59	46	60	48	55	65	57	75	64
Hispanics .....	13	24	25	30	38	32	37	46	34	30
American Indians or Alaskan Natives .....	5	6	6	9	4	6	4	6	4	6
U.S. citizens and permanent residents, unknown race/ethnicity .....	12	5	13	19	17	20	36	16	22	27
Nonresident aliens <sup>2</sup> .....	226	214	230	246	267	273	286	286	306	320
Citizenship unknown .....	31	44	16	40	41	120	60	72	90	144
Men										
Total .....	394	408	444	477	456	469	489	499	523	576
U.S. citizens and permanent residents, total <sup>1</sup> .....	223	258	326	322	290	286	302	324	337	336
White, non-Hispanics .....	177	208	258	232	212	219	234	257	271	270
Asians/Pacific Islanders .....	22	22	48	52	47	37	35	39	36	38
Underrepresented minorities, total .....	21	26	19	35	30	25	27	27	25	23
Black, non-Hispanics .....	14	18	11	18	13	15	14	12	14	12
Hispanics .....	4	8	7	15	16	8	12	15	10	9
American Indians or Alaskan Natives .....	3	0	1	2	1	2	1	0	1	2
U.S. citizens and permanent residents, unknown race/ethnicity .....	6	4	3	5	4	6	14	6	9	8
Nonresident aliens <sup>2</sup> .....	158	138	109	140	147	135	156	139	143	170
Citizenship unknown .....	10	10	7	13	16	47	23	31	39	67
Women										
Total .....	710	777	843	843	860	936	1,006	899	1,066	1,032
U.S. citizens and permanent residents, total <sup>1</sup> .....	624	679	715	717	718	737	834	719	846	812
White, non-Hispanics .....	558	592	609	600	610	609	695	580	690	651
Asians/Pacific Islanders .....	30	23	45	41	40	50	48	48	63	70
Underrepresented minorities, total .....	35	63	58	64	60	68	79	82	88	77
Black, non-Hispanics .....	24	41	35	42	35	40	51	45	61	52
Hispanics .....	9	16	18	15	22	24	25	31	24	21
American Indians or Alaskan Natives .....	2	6	5	7	3	4	3	6	3	4
U.S. citizens and permanent residents, unknown race/ethnicity .....	6	1	10	14	13	13	22	10	13	19
Nonresident aliens <sup>2</sup> .....	67	76	115	104	116	138	129	147	163	150
Citizenship unknown .....	14	22	6	20	21	58	33	32	49	65

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTE:** Health fields include the medical and other health sciences shown in section C.

**SOURCE:** Tabulated by National Science Foundation/Division of Science Resources Statistics; data from NSF/SRS: Survey of Earned Doctorates

**Table 36. First-professional degrees awarded, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	74,801	76,068	76,000	76,457	77,505	79,169	78,945	79,578	80,054
U.S. citizens and permanent residents, total <sup>1</sup> .....	73,459	74,520	74,563	74,846	75,873	77,515	77,162	77,720	77,998
White, non-Hispanics .....	59,869	60,338	58,476	58,239	58,179	58,769	57,551	56,708	56,021
Asians/Pacific Islanders .....	4,757	5,107	5,759	6,277	6,513	7,234	7,547	8,189	8,951
Underrepresented minorities, total .....	7,334	8,075	8,314	8,877	9,501	9,846	10,001	10,194	10,164
Black, non-Hispanics .....	3,568	4,078	4,329	4,657	4,905	5,153	5,310	5,292	5,190
Hispanics .....	3,472	3,632	3,623	3,816	4,143	4,192	4,147	4,361	4,456
American Indians or Alaskan Natives .....	294	365	362	404	453	501	544	541	518
U.S. citizens and permanent residents, unknown race/ethnicity .....	1,499	1,000	2,014	1,453	1,680	1,666	2,063	2,629	2,862
Nonresident aliens <sup>2</sup> .....	1,342	1,548	1,437	1,611	1,632	1,654	1,783	1,858	2,056
Men									
Total .....	45,459	45,565	45,068	45,193	45,182	45,747	45,033	43,976	43,036
U.S. citizens and permanent residents, total <sup>1</sup> .....	44,511	44,462	44,053	44,112	44,064	44,619	43,886	42,800	41,785
White, non-Hispanics .....	37,089	36,896	35,526	35,409	34,972	35,077	34,007	32,324	31,287
Asians/Pacific Islanders .....	2,728	2,831	3,139	3,423	3,483	3,887	3,903	4,185	4,367
Underrepresented minorities, total .....	3,831	4,122	4,155	4,388	4,589	4,679	4,762	4,819	4,539
Black, non-Hispanics .....	1,620	1,777	1,851	2,036	2,058	2,139	2,229	2,210	2,008
Hispanics .....	2,054	2,156	2,088	2,134	2,281	2,258	2,251	2,335	2,268
American Indians or Alaskan Natives .....	157	189	216	218	250	282	282	274	263
U.S. citizens and permanent residents, unknown race/ethnicity .....	863	613	1,233	892	1,020	976	1,214	1,472	1,592
Nonresident aliens <sup>2</sup> .....	948	1,103	1,015	1,081	1,118	1,128	1,147	1,176	1,251
Women									
Total .....	29,342	30,503	30,932	31,264	32,323	33,422	33,912	35,602	37,018
U.S. citizens and permanent residents, total <sup>1</sup> .....	28,948	30,058	30,510	30,734	31,809	32,896	33,276	34,920	36,213
White, non-Hispanics .....	22,780	23,442	22,950	22,830	23,207	23,692	23,544	24,384	24,734
Asians/Pacific Islanders .....	2,029	2,276	2,620	2,854	3,030	3,347	3,644	4,004	4,584
Underrepresented minorities, total .....	3,503	3,953	4,159	4,489	4,912	5,167	5,239	5,375	5,625
Black, non-Hispanics .....	1,948	2,301	2,478	2,621	2,847	3,014	3,081	3,082	3,182
Hispanics .....	1,418	1,476	1,535	1,682	1,862	1,934	1,896	2,026	2,188
American Indians or Alaskan Natives .....	137	176	146	186	203	219	262	267	255
U.S. citizens and permanent residents, unknown race/ethnicity .....	636	387	781	561	660	690	849	1,157	1,270
Nonresident aliens <sup>2</sup> .....	394	445	422	530	514	526	636	682	805

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training. First-professional degrees include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, Veterinary Medicine, Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

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

**Table 37. First-professional degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	28,303	29,475	29,680	30,757	31,250	32,114	33,566	35,772	36,634
U.S. citizens and permanent residents, total <sup>1</sup> .....	27,600	28,693	28,861	29,867	30,329	31,226	32,536	34,829	35,376
White, non-Hispanics .....	21,333	22,076	21,730	22,242	22,314	23,187	23,351	24,367	24,332
Asians/Pacific Islanders .....	2,909	3,317	3,637	3,996	4,075	4,127	4,901	5,627	6,217
Underrepresented minorities, total .....	2,840	2,915	3,000	3,110	3,412	3,469	3,714	3,973	3,992
Black, non-Hispanics .....	1,288	1,350	1,437	1,525	1,646	1,800	1,859	1,998	1,985
Hispanics .....	1,417	1,426	1,432	1,461	1,600	1,472	1,646	1,754	1,789
American Indians or Alaskan Natives .....	135	139	131	124	166	197	209	221	218
U.S. citizens and permanent residents, unknown race/ethnicity .....	518	385	494	519	528	443	570	862	835
Nonresident aliens <sup>2</sup> .....	703	782	819	890	921	888	1,030	943	1,258
Men									
Total .....	17,694	17,704	17,565	17,975	17,927	18,308	18,784	19,260	19,340
U.S. citizens and permanent residents, total <sup>1</sup> .....	17,220	17,194	17,034	17,424	17,335	17,719	18,164	18,728	18,616
White, non-Hispanics .....	13,607	13,608	13,243	13,352	13,215	13,702	13,548	13,543	13,346
Asians/Pacific Islanders .....	1,718	1,859	1,972	2,190	2,217	2,198	2,525	2,867	3,065
Underrepresented minorities, total .....	1,587	1,490	1,504	1,572	1,589	1,583	1,765	1,848	1,758
Black, non-Hispanics .....	604	556	582	649	621	672	735	772	709
Hispanics .....	907	858	840	858	874	790	916	962	925
American Indians or Alaskan Natives .....	76	76	82	65	94	121	114	114	124
U.S. citizens and permanent residents, unknown race/ethnicity .....	308	237	315	310	314	236	326	470	447
Nonresident aliens <sup>2</sup> .....	474	510	531	551	592	589	620	532	724
Women									
Total .....	10,609	11,771	12,115	12,782	13,323	13,806	14,782	16,512	17,294
U.S. citizens and permanent residents, total <sup>1</sup> .....	10,380	11,499	11,827	12,443	12,994	13,507	14,372	16,101	16,760
White, non-Hispanics .....	7,726	8,468	8,487	8,890	9,099	9,485	9,803	10,824	10,986
Asians/Pacific Islanders .....	1,191	1,458	1,665	1,806	1,858	1,929	2,376	2,760	3,152
Underrepresented minorities, total .....	1,253	1,425	1,496	1,538	1,823	1,886	1,949	2,125	2,234
Black, non-Hispanics .....	684	794	855	876	1,025	1,128	1,124	1,226	1,276
Hispanics .....	510	568	592	603	726	682	730	792	864
American Indians or Alaskan Natives .....	59	63	49	59	72	76	95	107	94
U.S. citizens and permanent residents, unknown race/ethnicity .....	210	148	179	209	214	207	244	392	388
Nonresident aliens <sup>2</sup> .....	229	272	288	339	329	299	410	411	534

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Health fields include: Chiropractic, Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry, and Veterinary Medicine.

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

**Table 38. First-professional degrees awarded in non-health fields, by citizenship, race/ethnicity, and sex of recipient: 1992-2001**

Citizenship and race/ethnicity	1992	1993	1994	1995	1996	1997	1998	2000	2001
Total									
Total .....	46,498	46,593	46,320	45,700	46,255	47,055	45,379	43,806	43,420
U.S. citizens and permanent residents, total <sup>1</sup> .....	45,859	45,827	45,702	44,979	45,544	46,289	44,626	42,891	42,622
White, non-Hispanics .....	38,536	38,262	36,746	35,997	35,865	35,582	34,200	32,341	31,689
Asians/Pacific Islanders .....	1,848	1,790	2,122	2,281	2,438	3,107	2,646	2,562	2,734
Underrepresented minorities, total .....	4,494	5,160	5,314	5,767	6,089	6,377	6,287	6,221	6,172
Black, non-Hispanics .....	2,280	2,728	2,892	3,132	3,259	3,353	3,451	3,294	3,205
Hispanics .....	2,055	2,206	2,191	2,355	2,543	2,720	2,501	2,607	2,667
American Indians or Alaskan Natives .....	159	226	231	280	287	304	335	320	300
U.S. citizens and permanent residents, unknown race/ethnicity .....	981	615	1,520	934	1,152	1,223	1,493	1,767	2,027
Nonresident aliens <sup>2</sup> .....	639	766	618	721	711	766	753	915	798
Men									
Total .....	27,765	27,861	27,503	27,218	27,255	27,439	26,249	24,716	23,696
U.S. citizens and permanent residents, total <sup>1</sup> .....	27,291	27,268	27,019	26,688	26,729	26,900	25,722	24,072	23,169
White, non-Hispanics .....	23,482	23,288	22,283	22,057	21,757	21,375	20,459	18,781	17,941
Asians/Pacific Islanders .....	1,010	972	1,167	1,233	1,266	1,689	1,378	1,318	1,302
Underrepresented minorities, total .....	2,244	2,632	2,651	2,816	3,000	3,096	2,997	2,971	2,781
Black, non-Hispanics .....	1,016	1,221	1,269	1,387	1,437	1,467	1,494	1,438	1,299
Hispanics .....	1,147	1,298	1,248	1,276	1,407	1,468	1,335	1,373	1,343
American Indians or Alaskan Natives .....	81	113	134	153	156	161	168	160	139
U.S. citizens and permanent residents, unknown race/ethnicity .....	555	376	918	582	706	740	888	1,002	1,145
Nonresident aliens <sup>2</sup> .....	474	593	484	530	526	539	527	644	527
Women									
Total .....	18,733	18,732	18,817	18,482	19,000	19,616	19,130	19,090	19,724
U.S. citizens and permanent residents, total <sup>1</sup> .....	18,568	18,559	18,683	18,291	18,815	19,389	18,904	18,819	19,453
White, non-Hispanics .....	15,054	14,974	14,463	13,940	14,108	14,207	13,741	13,560	13,748
Asians/Pacific Islanders .....	838	818	955	1,048	1,172	1,418	1,268	1,244	1,432
Underrepresented minorities, total .....	2,250	2,528	2,663	2,951	3,089	3,281	3,290	3,250	3,391
Black, non-Hispanics .....	1,264	1,507	1,623	1,745	1,822	1,886	1,957	1,856	1,906
Hispanics .....	908	908	943	1,079	1,136	1,252	1,166	1,234	1,324
American Indians or Alaskan Natives .....	78	113	97	127	131	143	167	160	161
U.S. citizens and permanent residents, unknown race/ethnicity .....	426	239	602	352	446	483	605	765	882
Nonresident aliens <sup>2</sup> .....	165	173	134	191	185	227	226	271	271

<sup>1</sup> Racial/ethnic categories are as designated on the survey form. These categories include U.S. citizens and foreign citizens on permanent visas (i.e., resident aliens who have been admitted for permanent residency).

<sup>2</sup> Nonresident aliens include foreign citizens on temporary visas only.

**NOTES:** Detailed national data were not released for the academic year ending 1999 by the National Center for Education Statistics.

First-professional degrees are defined as those that require at least 6 years of college work for completion and 2 years of pre-professional training.

Non-health fields include: Law, Divinity/Ministry, and Rabbinical and Talmudic Studies.

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

# SECTION C. CLASSIFICATION OF PROGRAMS

## Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS) Completions Survey and the Survey of Earned Doctorates

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
<b>ENGINEERING</b>	<b>ENGINEERING</b>
<b>Aeronautical/Astronautical Engineering</b> 14.02 Aerospace, Aeronautical, and Astronautical Engineering	<b>Aeronautical/Astronautical Engineering</b> 300 Aerospace, Aeronautical, and Astronautical Engineering
<b>Chemical Engineering</b> 14.07 Chemical Engineering 14.25 Petroleum Engineering 14.32 Polymer/Plastics Engineering	<b>Chemical Engineering</b> 312 Chemical Engineering 366 Petroleum Engineering 369 Polymer and Plastics Engineering 547 Fuel Technology and Petroleum Engineering
<b>Civil Engineering</b> 14.04 Architectural Engineering 14.08 Civil Engineering 14.14 Environmental/Environmental Health Engineering	<b>Civil Engineering</b> 315 Civil Engineering 336 Environmental Health Engineering
<b>Electrical Engineering</b> 14.09 Computer Engineering 14.10 Electrical, Electronics, and Communications Engineering	<b>Electrical Engineering</b> 318 Communications Engineering 321 Computer Engineering 322 Electrical Engineering 323 Electronics Engineering 324 Electrical and Electronics Engineering
<b>Industrial Engineering</b> 14.17 Industrial/Manufacturing Engineering 14.30 Engineering/Industrial Management	<b>Industrial Engineering</b> 339 Industrial and Manufacturing Engineering
<b>Mechanical Engineering</b> 14.11 Engineering Mechanics 14.19 Mechanical Engineering	<b>Mechanical Engineering</b> 327 Engineering Mechanics 345 Mechanical Engineering
<b>Materials/Metallurgical Engineering</b> 14.06 Ceramic Sciences and Engineering 14.18 Materials Engineering 14.20 Metallurgical Engineering 14.31 Materials Science 40.0701 Metallurgy	<b>Materials/Metallurgical Engineering</b> 309 Ceramic Sciences 342 Materials Science 348 Metallurgical Engineering

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
<b>Other Engineering</b>	<b>Other Engineering</b>
14.01 Engineering, General	303 Agricultural Engineering
14.03 Agricultural Engineering	306 Bioengineering and Biomedical Engineering
14.05 Bioengineering and Biomedical Engineering	330 Engineering Physics
14.12 Engineering Physics	333 Engineering Science
14.13 Engineering Science	351 Mining and Mineral Engineering
14.15 Geological Engineering	354 Naval Architecture and Marine Engineering
14.16 Geophysical Engineering	357 Nuclear Engineering
14.21 Mining and Mineral Engineering	360 Ocean Engineering
14.22 Naval Architecture and Marine Engineering	363 Operations Research
14.23 Nuclear Engineering	372 Systems Engineering
14.24 Ocean Engineering	375 Textile Engineering
14.27 Systems Engineering	398 Engineering, General
14.28 Textile Sciences and Engineering	399 Engineering, Other
14.29 Engineering Design	
14.99 Engineering, Other	
45.0702 Cartography	
<b>PHYSICAL SCIENCES</b>	<b>PHYSICAL SCIENCES</b>
<b>Astronomy</b>	<b>Astronomy</b>
40.02 Astronomy	500 Astronomy
40.03 Astrophysics	505 Astrophysics
	506 Astronomy and Astrophysics
<b>Chemistry</b>	<b>Chemistry</b>
40.0501 Chemistry, General	520 Analytical Chemistry
40.0502 Analytical Chemistry	521 Agricultural and Food Chemistry
40.0503 Inorganic Chemistry	522 Inorganic Chemistry
40.0504 Organic Chemistry	524 Nuclear Chemistry
40.0505 Medicinal/Pharmaceutical Chemistry	526 Organic Chemistry
40.0506 Physical and Theoretical Chemistry	528 Pharmaceutical Chemistry
40.0507 Polymer Chemistry	530 Physical Chemistry
40.0599 Chemistry, Other	532 Polymer Chemistry
	534 Theoretical Chemistry
	538 Chemistry, General
	539 Chemistry, Other
<b>Physics</b>	<b>Physics</b>
40.0801 Physics, General	560 Acoustics
40.0802 Chemical and Atomic/Molecular Physics	561 Chemical and Atomic/Molecular Physics
40.0804 Elementary Particle Physics	562 Electron Physics
40.0805 Plasma and High-Temperature Physics	563 Electromagnetic Physics
40.0806 Nuclear Physics	564 Elementary Particle Physics
40.0807 Optics	566 Fluids

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
40.0808 Solid State and Low-Temperature Physics	567 Mechanics
40.0809 Acoustics	568 Nuclear Physics
40.0810 Theoretical and Mathematical Physics	569 Optics
40.0899 Physics, Other	570 Plasma and High-Temperature Physics
	572 Polymer Physics
	573 Thermal Physics
	574 Solid State and Low-Temperature Physics
	575 Theoretical Physics
	578 Physics, General
	579 Physics, Other
<b>Other Physical Sciences</b>	<b>Other Physical Sciences</b>
40.01 Physical Sciences, General	599 Physical Sciences, Other
40.0799 Miscellaneous Physical Sciences, Other	
40.99 Physical Sciences, Other	
<b>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>	<b>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>
<b>Atmospheric Sciences</b>	<b>Atmospheric Sciences</b>
40.04 Atmospheric Sciences and Meteorology	510 Atmospheric Physics and Chemistry
	512 Atmospheric Dynamics
	514 Meteorology
	518 Atmospheric Science/Meteorology, General
	519 Atmospheric Science/Meteorology, Other
<b>Earth Sciences</b>	<b>Earth Sciences</b>
40.0601 Geology	540 Geology
40.0602 Geochemistry	542 Geochemistry
40.0603 Geophysics and Seismology	544 Geophysics and Seismology
40.0604 Paleontology	545 Geophysics (Solid Earth)
40.0699 Geological and Related Sciences, Other	546 Paleontology
40.0703 Earth and Planetary Sciences	548 Mineralogy and Petrology
	549 Mineralogy, Petrology, and Geochemistry
	550 Stratigraphy and Sedimentation
	552 Geomorphology and Glacial Geology
	554 Applied Geology
	555 Applied Geology and Geological Engineering
	558 Geological and Related Sciences, General
	559 Geological and Related Sciences, Other
	585 Hydrology and Water Resources
<b>Oceanography</b>	<b>Oceanography</b>
40.0702 Oceanography	590 Oceanography
	595 Marine Sciences



**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
<b>MATHEMATICS/COMPUTER SCIENCES</b>	<b>Other Environmental Sciences</b> 580 Environmental Science
<b>Mathematics</b>	<b>MATHEMATICS/COMPUTER SCIENCES</b>
27.01 Mathematics, General	420 Applied Mathematics
27.03 Applied Mathematics	425 Algebra
27.05 Mathematical Statistics	430 Analysis and Functional Analysis
27.99 Mathematics, Other	435 Geometry
52.0802 Actuarial Science	440 Logic
52.1302 Business Statistics	445 Number Theory
	450 Mathematical Statistics
	455 Topology
	460 Computing Theory and Practice
	465 Operations Research
	498 Mathematics, General
	499 Mathematics, Other
<b>Computer Science</b>	<b>Computer Science</b>
11.01 Computer and Information Sciences, General	400 Computer Science
11.02 Computer Programming	410 Information Science and Systems
11.03 Data Processing Technology/Technician	
11.04 Information Sciences and Systems	
11.05 Computer Systems Analysis	
11.0701 Computer Science	
11.99 Computer and Information Sciences, Other	
52.1204 Business Systems Networking and Telecommunications	
<b>BIOLOGICAL/AGRICULTURAL SCIENCES</b>	<b>BIOLOGICAL/AGRICULTURAL SCIENCES</b>
<b>Agricultural Sciences</b>	<b>Agricultural Sciences</b>
02.01 Agriculture/Agricultural Sciences, General	005 Animal Breeding and Genetics
02.02 Animal Sciences	007 Animal Husbandry
02.03 Food Sciences and Technology	010 Animal Nutrition
02.04 Plant Sciences	012 Dairy Science
02.05 Soil Sciences	014 Poultry Science
02.99 Agriculture/Agricultural Sciences, Other	019 Animal Sciences, Other
03.01 Natural Resources Conservation	020 Agronomy and Crop Science
03.02 Natural Resources Management and Protective Services	025 Plant Breeding and Genetics
03.03 Fishing and Fisheries Sciences and Management	030 Plant Pathology
	032 Plant Protection/Pest Management
	039 Plant Sciences, Other

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>		Fields of study from the Survey of Earned Doctorates classification	
03.05	Forestry and Related Sciences	040	Food Sciences
03.06	Wildlife and Wildlands Management	042	Food Distribution
03.99	Conservation and Renewable Natural Resources, Other	043	Food Engineering
		044	Food Sciences, Other
		045	Soil Sciences
		046	Soil Chemistry and Microbiology
		049	Soil Sciences, Other
		050	Horticulture Science
		054	Fish and Wildlife
		055	Fisheries Science and Management
		060	Wildlife Management
		065	Forestry Sciences
		066	Forest Biology
		068	Forest Engineering
		070	Forest Management
		072	Wood Science and Pulp/Paper Technology
		074	Conservation and Renewable Natural Resources
		079	Forestry and Related Sciences
		080	Wildlife and Range Management
		098	Agricultural Science, General
		099	Agricultural Science, Other
<b>Biological Sciences</b>		<b>Biological Sciences</b>	
19.0505	Food Systems Administration	100	Biochemistry
26.01	Biology, General	103	Biomedical Sciences
26.02	Biochemistry and Biophysics	105	Biophysics
26.03	Botany	107	Biotechnology Research
26.04	Cell and Molecular Biology	110	Bacteriology
26.05	Microbiology/Bacteriology	115	Plant Genetics
26.0601	Anatomy	120	Plant Pathology
26.0603	Ecology	125	Plant Physiology
26.0607	Marine/Aquatic Biology	129	Botany, Other
26.0608	Neurosciences	130	Anatomy
26.0609	Nutritional Sciences	133	Biometrics and Biostatistics
26.0610	Parasitology	136	Cell Biology
26.0611	Radiation Biology/Radiobiology	139	Ecology
26.0612	Toxicology	140	Hydrobiology
26.0613	Genetics, Plant and Animal	142	Embryology
26.0614	Biometrics	145	Endocrinology
26.0615	Biostatistics	148	Entomology
26.0616	Biotechnology Research	151	Biological Immunology
26.0617	Evolutionary Biology	154	Molecular Biology
26.0618	Biological Immunology	156	Microbiology and Bacteriology

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
26.0619 Virology	157 Microbiology
26.0699 Miscellaneous Biological Specializations, Other	160 Neuroscience
26.07 Zoology	163 Nutritional Sciences
26.99 Biological Sciences/Life Sciences, Other	166 Parasitology
30.10 Biopsychology	169 Toxicology
51.1303 Medical Biomathematics and Biometrics	170 Genetics, Human and Animal
51.1304 Medical Physics/Biophysics	171 Genetics
51.1305 Medical Cell Biology	175 Pathology, Human and Animal
51.1306 Medical Genetics	180 Pharmacology, Human and Animal
51.1309 Medical Molecular Biology	185 Physiology, Human and Animal
51.1310 Medical Neurobiology	186 Animal and Plant Physiology
51.1311 Medical Nutrition	189 Zoology, Other
	198 Biological Sciences, General
	199 Biological Sciences, Other
<b>PSYCHOLOGY</b>	<b>PSYCHOLOGY</b>
42.01 Psychology, General	600 Clinical Psychology
42.02 Clinical Psychology	603 Cognitive Psychology and Psycholinguistics
42.03 Cognitive Psychology and Psycholinguistics	606 Comparative Psychology
42.04 Community Psychology	609 Counseling Psychology
42.06 Counseling Psychology	612 Developmental and Child Psychology
42.07 Developmental and Child Psychology	613 Human Individ. & Family Development
42.08 Experimental Psychology	615 Experimental Psychology
42.09 Industrial and Organizational Psychology	616 Experimental, Comparative, and Physiological Psychology
42.11 Physiological Psychology/Psychobiology	618 Educational Psychology
42.16 Social Psychology	619 Human Engineering
42.99 Psychology, Other	620 Family and Marriage Counseling
51.2303 Hypnotherapy	621 Industrial and Organizational Psychology
51.2705 Psychoanalysis	624 Personality Psychology
	627 Physiological Psychology/Psychobiology
	630 Psychometrics
	633 Quantitative Psychology
	636 School Psychology
	639 Social Psychology
	648 Psychology, General
	649 Psychology, Other
	672 Human, Individual, and Family Development

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
<b>SOCIAL SCIENCES</b>	<b>SOCIAL SCIENCES</b>
<b>Economics</b>	<b>Economics</b>
01.0103 Agricultural Economics	000 Agricultural Economics
45.06 Economics	666 Economics
	668 Econometrics
<b>Political Science</b>	<b>Political Science</b>
44.04 Public Administration	674 International Relations/Affairs
44.05 Public Policy Analysis	678 Political Science and Government
44.99 Public Administration and Services, Other	679 Political Science and Public Administration
45.09 International Relations and Affairs	682 Public Policy Analysis
45.10 Political Science and Government	976 Public Administration
<b>Sociology</b>	<b>Sociology</b>
45.05 Demography and Population Studies	662 Demography and Population Studies
45.11 Sociology	686 Sociology
<b>Other Social Sciences</b>	<b>Other Social Sciences</b>
05 Area, Ethnic, and Cultural Studies	650 Anthropology
16.0102 Linguistics	652 Area Studies
30.1101 Gerontology	658 Criminology
30.1501 Science, Technology, and Society	670 Geography
45.01 Social Sciences, General	690 Statistics
45.02 Anthropology	694 Urban Affairs/Studies
45.03 Archeology	698 Social Sciences, General
45.04 Criminology	699 Social Sciences, Other
45.07 Geography	710 History and Philosophy of Science and Technology
45.0804 History and Philosophy of Science and Technology	729 Linguistics
45.12 Urban Affairs/Studies	770 American Studies
45.99 Social Sciences and History, Other	773 Archeology
<b>NON-S&amp;E</b>	<b>NON-S&amp;E</b>
<b>01 Agricultural Business and Production</b>	<b>MEDICAL SCIENCES</b>
<b>04 Architecture and Related Programs</b>	205 Dentistry
<b>08 Marketing Operations/Marketing and Distribution</b>	210 Environmental Health
<b>09 Communications</b>	215 Public Health
<b>10 Communications Technologies</b>	219 Public Health and Epidemiology
<b>12 Personal and Miscellaneous Services</b>	220 Epidemiology
	225 Medicine and Surgery

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>		Fields of study from the Survey of Earned Doctorates classification	
13	Education	235	Optometry and Ophthalmology
15	Engineering-Related Technologies	240	Pharmacy
16	Foreign Languages and Literatures	250	Veterinary Science
17	Allied Health		
18	Health Professions and Related Sciences (Including Dentistry, Medicine, Optometry, Osteopathic Medicine, Pharmacy, Podiatry or Podiatric Medicine or Chiropractic, Veterinary Medicine, Chiropractic, Allied Health)		<b>OTHER HEALTH SCIENCES</b>
19	Home Economics	200	Speech/Language Pathology and Audiology
20	Vocational Home Economics	212	Health Systems/Services Administration
22	Law and Legal Studies	224	Hospital Administration
23	English Language and Literature/Letters	230	Nursing
24	Liberal/General Studies	245	Rehabilitation/Therapeutic Services
25	Library and Archival Sciences	298	Health Sciences, General
28	Reserve Officer Training Corps (ROTC)	299	Health Sciences, Other
29	Military Technologies		
30	Multi-/Interdisciplinary Studies		<b>HISTORY</b>
31	Parks, Recreation, Leisure, and Fitness Studies	700	History, American
38	Philosophy and Religion	705	History, European
39	Theological Studies and Religious Vocations	718	History, General
41	Science Technologies	719	History, Other
43	Protective Services		<b>ENGLISH AND LITERATURE</b>
44	Public Administration and Services (Does not include Parks and Recreation Management, and Law Enforcement and Correction)	720	Classics
46	Construction Trades	723	Comparative Literature
47	Mechanics and Repairers	725	English and American Literature
48	Precision Production Trades	732	Literature, American
49	Transportation and Materials Moving Workers	733	Literature, English
50	Visual and Performing Arts	734	English Language
52	Business Management and Administrative Services	736	Speech and Rhetorical Studies
		738	Letters, General
		739	Letters, Other
			<b>FOREIGN LANGUAGES</b>
		740	French
		743	German
		746	Italian
		749	Spanish
		752	Russian
		755	Slavic (Other than Russian)
		758	Chinese
		762	Japanese
		765	Hebrew
		768	Arabic
		769	Other Languages and Literature

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 Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
	<b>OTHER HUMANITIES</b>
	785 Philosophy (See also 440)
	798 Humanities, General
	799 Humanities, Other
	<b>RELIGION AND THEOLOGY</b>
	790 Religion (See also 984)
	791 Religion and Theology
	984 Theology/Religious Education (See also 790)
	825 School Psychology (See also 636)
	830 Social/Philosophical Foundations of Education
	835 Special Education
	840 Counseling Education/Counseling and Guidance Services
	845 Education Evaluation and Research
	850 Pre-elementary/Early Childhood Teacher Education
	852 Elementary Teacher Education
	854 Junior High Teacher Education
	856 Secondary Teacher Education
	858 Adult and Continuing Teacher Education
	861 Art Education
	862 Business Education
	864 English Education
	866 Foreign Languages Education
	867 Physical Education, Health, and Recreation
	870 Home Economics Education
	876 Music Education
	880 Physical Education and Coaching
	882 Reading Education
	886 Speech Education
	888 Trade and Industrial Education
	889 Teacher Education, Specific Academic and Vocational Programs, Other
	898 Education, General
	899 Education, Other

**Current Classification Schemes for the Intergrated Postsecondary Education Data System (IPEDS)  
 Completions Survey and the Survey of Earned Doctorates**

Fields of study from the IPEDS <i>Classification of Instructional Programs</i>	Fields of study from the Survey of Earned Doctorates classification
	<p><b>BUSINESS AND MANAGEMENT</b></p> <p>002 Agricultural Business and Management</p> <p>900 Accounting</p> <p>905 Banking/Financial Support Services</p> <p>910 Business Administration and Management</p> <p>915 Business/Managerial Economics</p> <p>917 Management Information Systems/Business Data Processing</p> <p>920 Marketing Management and Research</p> <p>925 Business Statistics</p> <p>930 Operations Research (See also 363, 465)</p> <p>935 Organizational Behavior (See also 621)</p> <p>938 Business Management/Administrative Services, General</p> <p>939 Business Management/Administrative Services, Other</p> <p><b>INFORMATION FIELDS (JOURNALISM, BROADCASTING, LIBRARIANSHIP)</b></p> <p>940 Communications Research</p> <p>945 Journalism</p> <p>947 Mass Communications</p> <p>950 Radio and Television</p> <p>957 Communication Theory</p> <p>958 Communications, General</p> <p>959 Communications, Other</p> <p>972 Library Science</p> <p><b>LAW</b></p> <p>968 Law</p> <p><b>SOCIAL SERVICE PROFESSIONS</b></p> <p>980 Social Service Professions</p> <p><b>VOCATIONAL STUDIES AND HOME ECONOMICS</b></p> <p>964 Home Economics</p> <p><b>OTHER NON-SCIENCE FIELDS</b></p> <p>974 Parks/Recreation/Leisure/Fitness</p> <p>988 Professional Fields, General</p> <p>989 Professional Fields, Other</p> <p>999 Other Fields</p>