

# Science and Engineering Degrees, by Race/Ethnicity of Recipients:

---

1991–2000

Detailed Statistical Tables

Division of Science Resources Statistics  
Directorate for Social, Behavioral, and Economic Sciences

**National Science Foundation**



August 2002

**National Science Foundation**

Rita R. Colwell  
*Director*

**Directorate for Social, Behavioral, and Economic Sciences**

Norman M. Bradburn  
*Assistant Director*

**Division of Science Resources Statistics**

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

Ronald S. Fecso  
*Chief Statistician*

**Human Resources Statistics Program**

Mary J. Golladay  
*Program Director*

**DIVISION OF SCIENCE RESOURCES STATISTICS**

The Division of Science Resources Statistics (SRS) fulfills the legislative mandate of the National Science Foundation Act to ...

*provide a central clearinghouse for the collection, interpretation, and analysis of data on scientific and engineering resources and to provide a source of information for policy formulation by other agencies of the Federal Government...*

To carry out this mandate, SRS designs, supports, and directs periodic surveys as well as a variety of other data collections and research projects. These surveys yield the materials for SRS staff to compile, analyze, and disseminate quantitative information about domestic and international resources devoted to science, engineering, and technology.

If you have any comments or suggestions about this or any other SRS product or report, we would like to hear from you. Please direct your comments to:

National Science Foundation  
Division of Science Resources Statistics  
4201 Wilson Blvd., Suite 965  
Arlington, VA 22230  
Telephone: (703) 292-8774  
Fax: (703) 292-9092  
e-mail: srsweb@nsf.gov

**Suggested Citation**

National Science Foundation, Division of Science Resources Statistics, *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1991-2000*, NSF 02-329, Author, Susan T. Hill (Arlington, VA 2002).

August 2002

---

SRS data are available through the World Wide Web (<http://www.nsf.gov/sbe/srs/tats.htm>).  
For more information about obtaining reports, contact [paperpubs@nsf.gov](mailto:paperpubs@nsf.gov) or  
call (301) 947-2722. For NSF's Telephonic Device for the Deaf, dial (703) 292-5090.

# ACKNOWLEDGMENTS

The preparation of *Science and Engineering Degrees, by Race/Ethnicity of Recipients: 1991-2000*, was overseen by Susan T. Hill, Director, Doctorate Data Project, National Science Foundation (NSF), Division of Science Resources Statistics (SRS), Human Resources Statistics Program (HRS), under the overall direction of Mary J. Golladay, Program Director, NSF, SRS, HRS, and Mary J. Frase, Deputy Division Director, NSF, SRS, with guidance and review by Lynda T. Carlson, Director, NSF, SRS. Tanya R. Gore and Rolfe Larson of the

Information and Technology Services Program (ITSP) of SRS provided editing, processing, and final composition for this report. John R. Gawalt, Program Director of the ITSP, and his Web team handled electronic publication. QRC Division of Macro International Inc. of Bethesda, MD, prepared the tables and report copy for printing under NSF contract number SRS-97-32130. QRC staff members who worked on this project were Teresa L. Grimes, Elizabeth H. Peto, Joseph E. Andorful, Mark Morgan, and Joe Singh.

# CONTENTS

<i>Section</i>	<i>Page</i>
ACKNOWLEDGMENTS .....	iii
GENERAL NOTES .....	1
SECTION A. TECHNICAL NOTES .....	3
SECTION B. DETAILED STATISTICAL TABLES .....	7
SECTION C. CLASSIFICATION OF PROGRAMS .....	97

# 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 five other Federal agencies in 2000.

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., 1998 means the 12 month period ending June 1998.

Because racial/ethnic data were collected by broad fields of study only (until 1995), the definition of science and engineering used by NSF for this trend report must include fields normally not included. 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 the 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).

For more information, please contact the NSF principal author—

Susan T. Hill  
Division of Science Resources Statistics  
National Science Foundation  
4201 Wilson Boulevard, Suite 965  
Arlington, VA 22230  
Telephone: (703) 292-7790  
Internet: [sthill@nsf.gov](mailto:sthill@nsf.gov)

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 2000). 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 1991–2000 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, Southeast

Asia, the Indian Subcontinent, or the Pacific Islands. These areas include, for example, China, Japan, Korea, the Philippine Islands, and Samoa. **Asian** is used to refer to this racial/ethnic category in the tables in Section B.

**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

---

<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).

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.

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 1991 and 2000. 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 2000 degree recipients in each race/ethnicity category for which race/ethnicity was imputed.

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, 2000

In examining data on degrees awarded to minorities, it must be noted that 1-5 percent of all S&E degrees awarded in 1991–2000 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.



## SECTION B.

### DETAILED STATISTICAL TABLES

# LIST OF TABLES

<i>Table</i>	<i>Page</i>
1. Percentage distribution of earned bachelor’s degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	13
2. Percentage distribution of earned master’s degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	14
3. Percentage distribution of earned doctoral degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	15
4. Number of earned bachelor’s degrees, by field and by citizenship and race/ethnicity of recipient: 1991–2000 .....	16
5. Number of earned bachelor’s degrees, by field and by citizenship and race/ethnicity of male recipients: 1991–2000 .....	20
6. Number of earned bachelor’s degrees, by field and by citizenship and race/ethnicity of female recipients: 1991–2000 .....	24
7. Number of earned master’s degrees, by field and by citizenship and race/ethnicity of recipient: 1991–2000 .....	28
8. Number of earned master’s degrees, by field and by citizenship and race/ethnicity of male recipients: 1991–2000 .....	32
9. Number of earned master’s degrees, by field and by citizenship and race/ethnicity of female recipients: 1991–2000 .....	36
10. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of recipient: 1991–2000 .....	40
11. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of male recipients: 1991–2000 .....	44
12. Number of earned doctoral degrees, by field and by citizenship and race/ethnicity of female recipients: 1991–2000 .....	48
13. Number and percent of bachelor’s degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	52
14. Number and percent of bachelor’s degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	54
15. Number and percent of bachelor’s degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	56

<i>Table</i>	<i>Page</i>
16. Number and percent of master’s degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	58
17. Number and percent of master’s degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	60
18. Number and percent of master’s degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	62
19. Number and percent of doctoral degrees earned by blacks which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	64
20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	66
21. Number and percent of doctoral degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991–2000.....	68
22. Number of earned bachelor’s degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991–2000 .....	70
23. Number of earned bachelor’s degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991–2000 .....	72
24. Number of earned bachelor’s degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991–2000 .....	74
25. Number of earned master’s degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991–2000 .....	76
26. Number of earned master’s degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991–2000 .....	78
27. Number of earned master’s degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991–2000 .....	80
28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991–2000 .....	82
29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991–2000 .....	84
30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991–2000 .....	86
31. Number of earned bachelor’s degrees awarded in engineering technologies, by citizenship, race/ethnicity and sex of recipient: 1991–2000 .....	88

<i>Table</i>	<i>Page</i>
32. Number of earned master’s degrees awarded in engineering technologies, by citizenship, race/ethnicity and sex of recipient: 1991–2000 .....	89
33. Number of earned bachelor’s degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	90
34. Number of earned master’s degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	91
35. Number of earned doctoral degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	92
36. First professional degrees awarded, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	93
37. First professional degrees awarded in health fields, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	94
38. First professional degrees awarded in nonhealth fields, by citizenship, race/ethnicity, and sex of recipient: 1991–2000 .....	95



**Table 1. Percentage distribution of earned bachelor's degrees in science and engineering, by citizenship, race/ethnicity, and sex of recipient: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
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> .....	96.4	96.8	96.4	96.5	96.3	96.3	96.4	96.4	96.4
White, non-Hispanics .....	78.0	77.6	76.5	75.3	73.7	72.7	71.5	70.6	68.7
Asians/Pacific Islanders .....	5.8	6.0	6.3	6.7	7.3	7.6	8.1	8.4	8.6
Underrepresented minorities, total .....	10.3	11.0	11.5	12.3	13.0	13.6	14.2	14.7	15.6
Black, non-Hispanics .....	5.6	6.0	6.3	6.6	6.9	7.2	7.4	7.6	8.0
Hispanics .....	4.3	4.6	4.7	5.2	5.6	5.9	6.2	6.5	6.9
American Indians or Alaskan Natives .....	.4	.4	.5	.5	.5	.6	.6	.6	.7
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.4	2.1	2.1	2.2	2.3	2.4	2.6	2.7	3.5
Nonresident aliens <sup>2</sup> .....	3.6	3.2	3.6	3.5	3.7	3.7	3.6	3.6	3.6
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> .....	95.5	96.0	95.6	95.6	95.4	95.5	95.5	95.6	95.6
White, non-Hispanics .....	78.8	78.5	77.5	76.3	74.8	73.8	72.8	72.0	70.3
Asians/Pacific Islanders .....	5.9	6.3	6.6	6.9	7.4	7.9	8.4	8.7	9.0
Underrepresented minorities, total .....	8.5	9.0	9.4	10.2	10.8	11.3	11.7	12.2	12.8
Black, non-Hispanics .....	4.2	4.5	4.7	5.0	5.1	5.4	5.6	5.7	5.9
Hispanics .....	3.9	4.2	4.3	4.7	5.1	5.4	5.6	5.9	6.3
American Indians or Alaskan Natives .....	.3	.4	.4	.5	.5	.5	.5	.6	.6
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.4	2.2	2.2	2.2	2.4	2.6	2.6	2.7	3.6
Nonresident aliens <sup>2</sup> .....	4.5	4.0	4.4	4.4	4.6	4.5	4.5	4.4	4.4
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> .....	97.6	97.7	97.5	97.5	97.4	97.3	97.3	97.3	97.1
White, non-Hispanics .....	77.0	76.6	75.3	74.0	72.4	71.4	70.0	69.1	67.0
Asians/Pacific Islanders .....	5.5	5.6	6.0	6.4	7.1	7.4	7.8	8.1	8.2
Underrepresented minorities, total .....	12.7	13.4	14.1	15.0	15.6	16.2	17.0	17.5	18.4
Black, non-Hispanics .....	7.4	7.8	8.2	8.7	8.9	9.2	9.5	9.7	10.1
Hispanics .....	4.8	5.2	5.3	5.8	6.1	6.4	6.8	7.1	7.6
American Indians or Alaskan Natives .....	.4	.5	.5	.6	.6	.6	.7	.7	.7
U.S. citizens and permanent residents, unknown race/ethnicity .....	2.4	2.1	2.1	2.1	2.3	2.3	2.5	2.7	3.5
Nonresident aliens <sup>2</sup> .....	2.4	2.3	2.5	2.5	2.6	2.7	2.7	2.7	2.9

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
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> .....	76.6	76.4	75.3	75.7	75.9	76.8	76.8	75.4	73.2
White, non-Hispanics .....	61.1	59.9	58.9	58.9	58.1	58.4	58.0	56.3	52.4
Asians/Pacific Islanders .....	5.9	6.3	6.0	6.3	6.4	6.7	6.7	7.1	7.5
Underrepresented minorities, total .....	5.5	5.7	6.0	6.5	7.0	7.4	8.1	8.2	8.8
Black, non-Hispanics .....	2.9	3.1	3.1	3.3	3.8	4.0	4.4	4.3	4.7
Hispanics .....	2.4	2.4	2.6	2.9	2.9	3.1	3.3	3.5	3.8
American Indians or Alaskan Natives .....	.3	.3	.3	.3	.3	.3	.4	.4	.4
U.S. citizens and permanent residents, unknown race/ethnicity .....	4.0	4.5	4.4	4.0	4.3	4.4	4.0	3.8	4.5
Nonresident aliens <sup>2</sup> .....	23.4	23.6	24.7	24.3	24.1	23.2	23.2	24.6	26.8
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> .....	72.6	72.5	71.1	71.6	71.3	72.8	72.4	71.2	68.8
White, non-Hispanics .....	57.9	56.5	55.5	55.6	54.6	55.7	55.4	53.7	49.9
Asians/Pacific Islanders .....	6.2	6.6	6.1	6.4	6.7	6.8	6.6	7.1	7.5
Underrepresented minorities, total .....	4.5	4.7	5.0	5.3	5.6	5.8	6.5	6.5	7.0
Black, non-Hispanics .....	2.2	2.3	2.4	2.5	2.7	2.8	3.1	3.2	3.3
Hispanics .....	2.1	2.1	2.4	2.6	2.6	2.7	3.0	3.1	3.4
American Indians or Alaskan Natives .....	.2	.2	.2	.3	.3	.3	.3	.3	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	4.1	4.7	4.5	4.2	4.4	4.5	3.9	3.8	4.4
Nonresident aliens <sup>2</sup> .....	27.4	27.5	28.9	28.4	28.7	27.2	27.6	28.8	31.2
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> .....	84.2	83.7	83.1	83.3	83.8	83.4	83.5	81.8	79.3
White, non-Hispanics .....	67.3	66.4	65.3	64.9	64.2	62.7	61.9	60.1	55.8
Asians/Pacific Islanders .....	5.4	5.6	5.7	6.1	6.0	6.6	6.9	7.1	7.5
Underrepresented minorities, total .....	7.6	7.6	8.0	8.7	9.4	9.9	10.6	10.8	11.2
Black, non-Hispanics .....	4.2	4.5	4.6	4.8	5.5	5.8	6.4	6.0	6.5
Hispanics .....	3.0	2.8	3.0	3.6	3.5	3.7	3.8	4.2	4.3
American Indians or Alaskan Natives .....	.4	.3	.4	.4	.5	.4	.4	.5	.4
U.S. citizens and permanent residents, unknown race/ethnicity .....	3.9	4.1	4.2	3.6	4.1	4.2	4.1	3.9	4.7
Nonresident aliens <sup>2</sup> .....	15.8	16.3	16.9	16.7	16.2	16.6	16.5	18.2	20.7

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
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> .....	66.2	64.6	65.1	69.4	71.6	68.5	67.5	66.9	67.3	65.7
White, non-Hispanics .....	55.5	54.0	54.0	53.0	52.4	51.4	50.8	51.4	52.7	51.6
Asians/Pacific Islanders .....	4.9	5.5	6.3	11.4	13.8	11.4	9.3	7.9	7.5	6.7
Underrepresented minorities, total .....	4.2	4.0	4.1	4.2	4.5	4.7	5.0	5.5	6.0	5.9
Black, non-Hispanics .....	1.9	1.7	1.8	1.9	2.1	2.1	2.3	2.4	2.8	2.8
Hispanics .....	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.8	2.7	2.7
American Indians or Alaskan Natives .....	.2	.3	.2	.2	.3	.4	.3	.4	.4	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	1.7	1.1	.7	.7	.9	.9	2.5	2.2	1.2	1.5
Nonresident aliens <sup>2</sup> .....	31.8	32.8	31.9	28.7	26.4	28.7	27.5	28.5	27.9	29.4
Citizenship unknown .....	1.9	2.6	3.0	1.9	2.1	2.9	4.9	4.6	4.7	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> .....	60.7	59.5	60.0	64.4	66.7	63.3	63.0	62.1	62.4	60.2
White, non-Hispanics .....	50.5	49.5	49.7	48.1	47.9	46.9	47.3	47.8	49.2	47.9
Asians/Pacific Islanders .....	4.7	5.3	6.1	11.9	14.1	11.5	9.1	7.7	7.3	6.3
Underrepresented minorities, total .....	3.6	3.4	3.4	3.5	3.7	4.0	4.3	4.4	4.6	4.5
Black, non-Hispanics .....	1.6	1.4	1.5	1.6	1.6	1.8	1.8	1.7	2.1	2.0
Hispanics .....	1.8	1.8	1.8	1.8	1.9	1.9	2.2	2.4	2.1	2.2
American Indians or Alaskan Natives .....	.2	.2	.1	.2	.2	.3	.2	.3	.4	.3
U.S. citizens and permanent residents, unknown race/ethnicity .....	1.8	1.3	.8	.8	1.0	1.0	2.3	2.2	1.3	1.5
Nonresident aliens <sup>2</sup> .....	37.7	38.6	37.8	34.0	31.7	34.2	33.0	33.7	33.4	35.0
Citizenship unknown .....	1.6	1.9	2.2	1.6	1.6	2.5	4.0	4.2	4.2	4.8
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> .....	80.7	78.8	78.7	82.0	83.4	80.5	78.2	76.7	77.3	75.7
White, non-Hispanics .....	68.4	66.4	65.5	65.1	63.0	61.9	58.9	58.8	59.8	58.6
Asians/Pacific Islanders .....	5.4	5.9	6.9	10.4	13.5	11.4	10.0	8.2	8.0	7.3
Underrepresented minorities, total .....	5.8	5.7	5.9	5.9	6.3	6.5	6.6	7.7	8.6	8.3
Black, non-Hispanics .....	2.8	2.4	2.7	2.7	3.3	2.9	3.3	3.7	4.0	4.3
Hispanics .....	2.7	2.9	2.9	2.9	2.7	3.1	3.0	3.5	3.9	3.6
American Indians or Alaskan Natives .....	.3	.4	.2	.3	.3	.4	.4	.4	.6	.5
U.S. citizens and permanent residents, unknown race/ethnicity .....	1.2	.8	.4	.6	.6	.8	2.7	2.1	.9	1.4
Nonresident aliens <sup>2</sup> .....	17.7	19.1	19.0	16.7	15.0	17.3	17.0	18.8	18.2	19.8
Citizenship unknown .....	1.5	2.1	2.3	1.3	1.6	2.2	4.8	4.5	4.6	4.4

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total, all fields .....	1,107,997	1,150,072	1,179,278	1,183,141	1,174,436	1,179,815	1,186,589	1,199,579	1,253,121
Science and engineering .....	356,785	376,933	388,435	395,380	399,809	405,921	408,749	411,286	418,720
Engineering .....	62,186	61,898	62,670	62,962	63,330	63,066	62,306	60,870	59,445
Sciences .....	294,599	315,035	325,765	332,418	336,479	342,855	346,443	350,416	359,275
Natural sciences .....	105,595	111,108	116,742	122,792	129,447	136,126	140,301	144,256	150,464
Physical science <sup>1</sup> .....	16,407	17,076	17,691	18,525	19,375	19,853	19,730	19,594	18,627
Mathematical science .....	14,784	14,851	14,870	14,431	13,759	13,201	12,869	12,363	12,148
Computer science .....	25,410	24,854	24,477	24,458	24,662	24,405	24,975	27,041	36,403
Biological science .....	40,351	43,835	47,877	52,213	56,804	61,998	65,061	67,047	64,800
Agricultural science .....	8,643	10,492	11,827	13,165	14,847	16,669	17,666	18,211	18,486
Social sciences .....	189,004	203,927	209,023	209,626	207,032	206,729	206,142	206,160	208,811
Social science .....	130,111	139,884	141,772	139,858	134,431	132,901	131,408	131,703	134,157
Psychology .....	58,893	64,043	67,251	69,768	72,601	73,828	74,734	74,457	74,654
Non-S&E <sup>2</sup> .....	751,212	773,139	790,843	787,761	774,627	773,894	777,840	788,293	834,401
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	1,078,340	1,121,525	1,146,907	1,148,914	1,137,424	1,142,028	1,147,815	1,160,692	1,214,326
Science and engineering .....	344,061	364,695	374,633	381,451	385,055	391,074	393,952	396,558	403,489
Engineering .....	57,604	57,675	58,165	58,422	58,520	58,304	57,509	56,227	54,915
Sciences .....	286,457	307,020	316,468	323,029	326,535	332,770	336,443	340,331	348,574
Natural sciences .....	101,039	106,739	111,656	117,843	124,297	131,065	135,390	139,280	144,898
Physical science <sup>1</sup> .....	15,799	16,469	16,927	17,812	18,652	19,167	19,059	18,919	18,049
Mathematical science .....	14,206	14,259	14,318	13,869	13,166	12,643	12,343	11,907	11,673
Computer science .....	23,373	22,880	22,273	22,185	22,367	22,225	22,976	24,912	33,524
Biological science .....	39,288	42,842	46,660	51,058	55,523	60,633	63,601	65,625	63,425
Agricultural science .....	8,373	10,289	11,478	12,919	14,589	16,397	17,411	17,917	18,227
Social sciences .....	185,418	200,281	204,812	205,186	202,238	201,705	201,053	201,051	203,676
Social science .....	127,216	136,902	138,391	136,273	130,579	128,893	127,368	127,764	130,286
Psychology .....	58,202	63,379	66,421	68,913	71,659	72,812	73,685	73,287	73,390
Non-S&E <sup>2</sup> .....	734,279	756,830	772,274	767,463	752,369	750,954	753,863	764,134	810,837
White, non-Hispanics									
Total, all fields .....	892,363	921,453	931,603	918,124	892,785	884,128	877,759	878,018	895,129
Science and engineering .....	278,190	292,614	297,171	297,616	294,773	295,082	292,252	290,207	287,544
Engineering .....	45,162	45,026	44,853	44,687	43,726	43,098	41,624	40,533	38,989
Sciences .....	233,028	247,588	252,318	252,929	251,047	251,984	250,628	249,674	248,555
Natural sciences .....	80,111	84,133	87,401	91,196	94,575	98,707	100,871	101,967	103,171
Physical science <sup>1</sup> .....	13,145	13,678	13,941	14,616	14,952	15,088	14,920	14,566	13,657
Mathematical science .....	11,649	11,723	11,669	11,089	10,343	9,823	9,484	9,045	8,636
Computer science .....	17,349	16,844	16,155	15,816	15,532	15,470	15,626	16,670	21,182
Biological science .....	30,264	32,506	35,080	37,942	40,628	43,680	45,325	45,854	43,814
Agricultural science .....	7,704	9,382	10,556	11,733	13,120	14,646	15,516	15,832	15,882
Social sciences .....	152,917	163,455	164,917	161,733	156,472	153,277	149,757	147,707	145,384
Social science .....	104,783	111,389	111,154	106,863	100,558	97,372	94,411	93,482	92,987
Psychology .....	48,134	52,066	53,763	54,870	55,914	55,905	55,346	54,225	52,397
Non-S&E <sup>2</sup> .....	614,173	628,839	634,432	620,508	598,012	589,046	585,507	587,811	607,585

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	41,725	46,616	50,587	54,675	59,295	63,117	67,358	69,988	75,265
Science and engineering .....	20,552	22,635	24,504	26,420	29,128	31,031	33,139	34,568	36,027
Engineering .....	6,220	6,265	6,407	6,516	6,785	6,799	7,085	7,002	6,854
Sciences .....	14,332	16,370	18,097	19,904	22,343	24,232	26,054	27,566	29,173
Natural sciences .....	7,595	8,496	9,524	10,401	12,007	13,212	14,200	15,001	16,265
Physical science <sup>1</sup> .....	983	1,001	1,098	1,096	1,347	1,559	1,620	1,676	1,560
Mathematical science .....	915	857	915	926	965	935	877	856	964
Computer science .....	2,010	2,082	2,245	2,247	2,365	2,448	2,767	3,158	5,262
Biological science .....	3,559	4,402	5,103	5,959	7,043	7,958	8,535	8,867	8,023
Agricultural science .....	128	154	163	173	287	312	401	444	456
Social sciences .....	6,737	7,874	8,573	9,503	10,336	11,020	11,854	12,565	12,908
Social science .....	4,852	5,724	6,035	6,726	7,005	7,354	7,787	8,298	8,720
Psychology .....	1,885	2,150	2,538	2,777	3,331	3,666	4,067	4,267	4,188
Non-S&E <sup>2</sup> .....	21,173	23,981	26,083	28,255	30,167	32,086	34,219	35,420	39,238
Underrepresented minorities, total									
Total, all fields .....	118,522	129,448	140,086	151,063	158,432	167,382	174,243	181,709	200,967
Science and engineering .....	36,682	41,383	44,682	48,822	51,844	55,114	58,129	60,656	65,183
Engineering .....	4,953	5,277	5,714	6,020	6,717	6,974	7,463	7,396	7,458
Sciences .....	31,729	36,106	38,968	42,802	45,127	48,140	50,666	53,260	57,725
Natural sciences .....	10,960	11,722	12,510	13,782	14,815	16,135	16,856	18,424	20,316
Physical science <sup>1</sup> .....	1,355	1,425	1,528	1,737	1,932	2,076	2,063	2,147	2,259
Mathematical science .....	1,334	1,432	1,490	1,594	1,589	1,619	1,708	1,738	1,682
Computer science .....	3,292	3,342	3,390	3,611	3,915	3,784	3,734	4,096	5,531
Biological science .....	4,551	5,043	5,602	6,127	6,606	7,648	8,255	9,232	9,559
Agricultural science .....	428	480	500	713	773	1,008	1,096	1,211	1,285
Social sciences .....	20,769	24,384	26,458	29,020	30,312	32,005	33,810	34,836	37,409
Social science .....	14,100	16,647	17,918	19,400	19,621	20,471	21,385	21,960	23,192
Psychology .....	6,669	7,737	8,540	9,620	10,691	11,534	12,425	12,876	14,217
Non-S&E <sup>2</sup> .....	81,840	88,065	95,404	102,241	106,588	112,268	116,114	121,053	135,784
Black, non-Hispanics									
Total, all fields .....	65,009	71,311	76,667	82,316	85,287	89,554	92,067	95,878	104,212
Science and engineering .....	19,987	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462
Engineering .....	2,229	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062
Sciences .....	17,758	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400
Natural sciences .....	5,834	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634
Physical science <sup>1</sup> .....	753	816	836	921	1,034	1,100	1,110	1,127	1,141
Mathematical science .....	811	904	965	992	995	981	1,071	1,030	971
Computer science .....	1,997	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330
Biological science .....	2,111	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734
Agricultural science .....	162	206	219	268	263	363	387	426	458
Social sciences .....	11,924	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766
Social science .....	8,236	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194
Psychology .....	3,688	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572
Non-S&E <sup>2</sup> .....	45,022	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	49,027	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324
Science and engineering .....	15,351	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939
Engineering .....	2,566	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068
Sciences .....	12,785	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871
Natural sciences .....	4,705	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767
Physical science <sup>1</sup> .....	533	546	599	733	800	872	853	914	1,010
Mathematical science .....	480	482	470	543	536	585	581	642	640
Computer science .....	1,215	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035
Biological science .....	2,264	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446
Agricultural science .....	213	214	217	336	386	506	561	632	636
Social sciences .....	8,080	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104
Social science .....	5,334	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977
Psychology .....	2,746	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127
Non-S&E <sup>2</sup> .....	33,676	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385
American Indians or Alaskan Natives									
Total, all fields .....	4,486	5,130	5,574	6,064	6,454	6,813	7,238	7,706	8,431
Science and engineering .....	1,344	1,561	1,819	2,004	2,126	2,268	2,419	2,533	2,782
Engineering .....	158	182	176	218	221	243	262	253	328
Sciences .....	1,186	1,379	1,643	1,786	1,905	2,025	2,157	2,280	2,454
Natural sciences .....	421	429	504	575	675	701	740	830	915
Physical science <sup>1</sup> .....	69	63	93	83	98	104	100	106	108
Mathematical science .....	43	46	55	59	58	53	56	66	71
Computer science .....	80	79	81	78	110	89	97	106	166
Biological science .....	176	181	211	246	285	316	339	399	379
Agricultural science .....	53	60	64	109	124	139	148	153	191
Social sciences .....	765	950	1,139	1,211	1,230	1,324	1,417	1,450	1,539
Social science .....	530	639	804	817	823	854	921	935	1,021
Psychology .....	235	311	335	394	407	470	496	515	518
Non-S&E <sup>2</sup> .....	3,142	3,569	3,755	4,060	4,328	4,545	4,819	5,173	5,649
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	25,730	24,008	24,631	25,052	26,912	27,401	28,455	30,977	42,965
Science and engineering .....	8,637	8,063	8,276	8,593	9,310	9,847	10,432	11,127	14,735
Engineering .....	1,269	1,107	1,191	1,199	1,292	1,433	1,337	1,296	1,614
Sciences .....	7,368	6,956	7,085	7,394	8,018	8,414	9,095	9,831	13,121
Natural sciences .....	2,373	2,388	2,221	2,464	2,900	3,011	3,463	3,888	5,146
Physical science <sup>1</sup> .....	316	365	360	363	421	444	456	530	573
Mathematical science .....	308	247	244	260	269	266	274	268	391
Computer science .....	722	612	483	511	555	523	849	988	1,549
Biological science .....	914	891	875	1,030	1,246	1,347	1,486	1,672	2,029
Agricultural science .....	113	273	259	300	409	431	398	430	604
Social sciences .....	4,995	4,568	4,864	4,930	5,118	5,403	5,632	5,943	7,975
Social science .....	3,481	3,142	3,284	3,284	3,395	3,696	3,785	4,024	5,387
Psychology .....	1,514	1,426	1,580	1,646	1,723	1,707	1,847	1,919	2,588
Non-S&E <sup>2</sup> .....	17,093	15,945	16,355	16,459	17,602	17,554	18,023	19,850	28,230

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	29,657	28,547	32,371	34,227	37,012	37,787	38,774	38,887	38,795
Science and engineering .....	12,724	12,238	13,802	13,929	14,754	14,847	14,797	14,728	15,231
Engineering .....	4,582	4,223	4,505	4,540	4,810	4,762	4,797	4,643	4,530
Sciences .....	8,142	8,015	9,297	9,389	9,944	10,085	10,000	10,085	10,701
Natural sciences .....	4,556	4,369	5,086	4,949	5,150	5,061	4,911	4,976	5,566
Physical science <sup>1</sup> .....	608	607	764	713	723	686	671	675	578
Mathematical science .....	578	592	552	562	593	558	526	456	475
Computer science .....	2,037	1,974	2,204	2,273	2,295	2,180	1,999	2,129	2,879
Biological science .....	1,063	993	1,217	1,155	1,281	1,365	1,460	1,422	1,375
Agricultural science .....	270	203	349	246	258	272	255	294	259
Social sciences .....	3,586	3,646	4,211	4,440	4,794	5,024	5,089	5,109	5,135
Social science .....	2,895	2,982	3,381	3,585	3,852	4,008	4,040	3,939	3,871
Psychology .....	691	664	830	855	942	1,016	1,049	1,170	1,264
Non-S&E <sup>2</sup> .....	16,933	16,309	18,569	20,298	22,258	22,940	23,977	24,159	23,564

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields .....	508,952	525,395	537,536	537,061	531,146	528,000	525,282	525,714	536,158
Science and engineering .....	201,499	209,270	214,388	216,492	216,078	216,614	214,329	213,171	209,694
Engineering .....	52,522	52,270	52,696	52,569	52,389	51,765	50,846	49,541	47,248
Sciences .....	148,977	157,000	161,692	163,923	163,689	164,849	163,483	163,630	162,446
Natural sciences .....	62,091	64,678	67,855	70,956	73,593	76,775	77,585	78,792	80,505
Physical science <sup>1</sup> .....	11,199	11,466	11,877	12,253	12,559	12,666	12,306	12,001	11,020
Mathematical science .....	7,804	7,923	7,859	7,754	7,318	7,176	6,938	6,618	6,430
Computer science .....	17,896	17,670	17,565	17,466	17,628	17,666	18,166	19,796	26,192
Biological science .....	19,715	21,107	23,111	25,314	26,956	29,189	29,839	29,982	26,916
Agricultural science .....	5,477	6,512	7,443	8,169	9,132	10,078	10,336	10,395	9,947
Social sciences .....	86,886	92,322	93,837	92,967	90,096	88,074	85,898	84,838	81,941
Social science .....	70,731	75,185	75,808	74,218	70,458	68,109	66,407	65,781	64,401
Psychology .....	16,155	17,137	18,029	18,749	19,638	19,965	19,491	19,057	17,540
Non-S&E <sup>2</sup> .....	307,453	316,125	323,148	320,569	315,068	311,386	310,953	312,543	326,464
	U.S. citizens and permanent residents, total <sup>3</sup>								
Total, all fields .....	490,725	508,289	518,484	517,318	510,030	506,569	503,659	504,262	515,544
Science and engineering .....	192,516	200,929	204,994	207,030	206,144	206,828	204,767	203,694	200,470
Engineering .....	48,410	48,518	48,655	48,577	48,145	47,623	46,725	45,526	43,524
Sciences .....	144,106	152,411	156,339	158,453	157,999	159,205	158,042	158,168	156,946
Natural sciences .....	59,096	61,872	64,584	67,726	70,302	73,606	74,571	75,715	77,191
Physical science <sup>1</sup> .....	10,788	11,049	11,352	11,786	12,086	12,229	11,875	11,572	10,667
Mathematical science .....	7,430	7,565	7,514	7,390	6,960	6,790	6,618	6,326	6,124
Computer science .....	16,433	16,251	15,964	15,799	15,960	16,093	16,735	18,289	24,216
Biological science .....	19,171	20,628	22,542	24,739	26,334	28,576	29,170	29,303	26,370
Agricultural science .....	5,274	6,379	7,212	8,012	8,962	9,918	10,173	10,225	9,814
Social sciences .....	85,010	90,539	91,755	90,727	87,697	85,599	83,471	82,453	79,755
Social science .....	69,033	73,577	73,946	72,185	68,291	65,909	64,235	63,692	62,489
Psychology .....	15,977	16,962	17,809	18,542	19,406	19,690	19,236	18,761	17,266
Non-S&E <sup>2</sup> .....	298,209	307,360	313,490	310,288	303,886	299,741	298,892	300,568	315,074
	White, non-Hispanics								
Total, all fields .....	410,745	422,517	427,240	420,211	407,155	399,132	392,541	389,007	388,171
Science and engineering .....	158,687	164,220	166,063	165,245	161,731	159,889	156,121	153,382	147,423
Engineering .....	38,692	38,513	38,244	37,830	36,785	35,977	34,579	33,620	31,723
Sciences .....	119,995	125,707	127,819	127,415	124,946	123,912	121,542	119,762	115,700
Natural sciences .....	48,304	50,126	52,048	54,115	55,197	57,162	57,464	57,255	56,657
Physical science <sup>1</sup> .....	9,203	9,430	9,614	9,958	10,006	9,966	9,695	9,290	8,439
Mathematical science .....	6,119	6,255	6,131	5,920	5,456	5,239	5,085	4,851	4,540
Computer science .....	12,916	12,571	12,329	12,022	11,793	11,924	12,070	12,991	16,316
Biological science .....	15,174	16,030	17,293	18,882	19,790	21,065	21,388	20,908	18,651
Agricultural science .....	4,892	5,840	6,681	7,333	8,152	8,968	9,226	9,215	8,711
Social sciences .....	71,691	75,581	75,771	73,300	69,749	66,750	64,078	62,507	59,043
Social science .....	58,414	61,574	61,269	58,409	54,508	51,580	49,558	48,589	46,649
Psychology .....	13,277	14,007	14,502	14,891	15,241	15,170	14,520	13,918	12,394
Non-S&E <sup>2</sup> .....	252,058	258,297	261,177	254,966	245,424	239,243	236,420	235,625	240,748

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	20,773	23,190	24,819	26,420	28,348	29,954	31,732	32,588	34,568
Science and engineering .....	11,942	13,198	14,132	14,967	16,039	17,015	17,914	18,495	18,810
Engineering .....	4,969	5,067	5,130	5,235	5,340	5,363	5,611	5,435	5,190
Sciences .....	6,973	8,131	9,002	9,732	10,699	11,652	12,303	13,060	13,620
Natural sciences .....	4,149	4,783	5,380	5,721	6,483	7,161	7,481	8,013	8,641
Physical science <sup>1</sup> .....	606	615	675	648	784	908	881	903	836
Mathematical science .....	482	486	502	523	519	539	494	462	496
Computer science .....	1,268	1,373	1,492	1,476	1,583	1,697	1,930	2,276	3,562
Biological science .....	1,736	2,230	2,633	2,992	3,467	3,878	4,007	4,181	3,565
Agricultural science .....	57	79	78	82	130	139	169	191	182
Social sciences .....	2,824	3,348	3,622	4,011	4,216	4,491	4,822	5,047	4,979
Social science .....	2,260	2,728	2,884	3,204	3,247	3,366	3,617	3,824	3,941
Psychology .....	564	620	738	807	969	1,125	1,205	1,223	1,038
Non-S&E <sup>2</sup> .....	8,831	9,992	10,687	11,453	12,309	12,939	13,818	14,093	15,758
Underrepresented minorities, total									
Total, all fields .....	46,914	50,695	54,600	58,528	61,542	64,369	66,191	68,448	73,662
Science and engineering .....	17,027	18,890	20,160	22,001	23,235	24,400	25,112	25,985	26,780
Engineering .....	3,654	3,952	4,261	4,458	4,917	5,056	5,410	5,362	5,293
Sciences .....	13,373	14,938	15,899	17,543	18,318	19,344	19,702	20,623	21,487
Natural sciences .....	5,226	5,450	5,766	6,389	6,888	7,478	7,610	8,294	8,975
Physical science <sup>1</sup> .....	755	745	792	931	998	1,044	991	1,060	1,032
Mathematical science .....	657	675	744	786	820	852	878	865	849
Computer science .....	1,758	1,864	1,802	1,939	2,190	2,092	2,122	2,315	3,218
Biological science .....	1,799	1,885	2,130	2,337	2,449	2,939	3,058	3,462	3,271
Agricultural science .....	257	281	298	396	431	551	561	592	605
Social sciences .....	8,147	9,488	10,133	11,154	11,430	11,866	12,092	12,329	12,512
Social science .....	6,442	7,590	8,013	8,813	8,742	8,990	9,092	9,256	9,310
Psychology .....	1,705	1,898	2,120	2,341	2,688	2,876	3,000	3,073	3,202
Non-S&E <sup>2</sup> .....	29,887	31,805	34,440	36,527	38,307	39,969	41,079	42,463	46,882
Black, non-Hispanics									
Total, all fields .....	24,238	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648
Science and engineering .....	8,448	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383
Engineering .....	1,484	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973
Sciences .....	6,964	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410
Natural sciences .....	2,538	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244
Physical science <sup>1</sup> .....	391	381	370	464	495	482	466	521	472
Mathematical science .....	380	374	444	457	476	468	510	488	468
Computer science .....	971	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737
Biological science .....	696	749	883	927	981	1,236	1,304	1,448	1,379
Agricultural science .....	100	113	126	137	121	187	186	189	188
Social sciences .....	4,426	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166
Social science .....	3,547	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520
Psychology .....	879	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646
Non-S&E <sup>2</sup> .....	15,790	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	20,781	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657
Science and engineering .....	7,888	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126
Engineering .....	2,039	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081
Sciences .....	5,849	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045
Natural sciences .....	2,458	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278
Physical science <sup>1</sup> .....	318	326	361	415	437	488	468	474	505
Mathematical science .....	259	279	273	300	315	354	340	338	348
Computer science .....	738	724	700	719	876	824	841	920	1,373
Biological science .....	1,019	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736
Agricultural science .....	124	125	130	193	228	283	297	318	316
Social sciences .....	3,391	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767
Social science .....	2,634	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339
Psychology .....	757	826	928	996	1,166	1,326	1,285	1,382	1,428
Non-S&E <sup>2</sup> .....	12,893	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531
American Indians or Alaskan Natives									
Total, all fields .....	1,895	2,151	2,401	2,562	2,669	2,811	2,915	3,079	3,357
Science and engineering .....	691	785	901	1,005	1,077	1,108	1,121	1,213	1,271
Engineering .....	131	151	142	179	176	195	195	206	239
Sciences .....	560	634	759	826	901	913	926	1,007	1,032
Natural sciences .....	230	244	286	318	378	378	388	452	453
Physical science <sup>1</sup> .....	46	38	61	52	66	74	57	65	55
Mathematical science .....	18	22	27	29	29	30	28	39	33
Computer science .....	49	48	53	59	73	50	69	72	108
Biological science .....	84	93	103	112	128	143	156	191	156
Agricultural science .....	33	43	42	66	82	81	78	85	101
Social sciences .....	330	390	473	508	523	535	538	555	579
Social science .....	261	300	380	395	403	403	414	408	451
Psychology .....	69	90	93	113	120	132	124	147	128
Non-S&E <sup>2</sup> .....	1,204	1,366	1,500	1,557	1,592	1,703	1,794	1,866	2,086
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	12,293	11,887	11,825	12,159	12,985	13,114	13,195	14,219	19,143
Science and engineering .....	4,860	4,621	4,639	4,817	5,139	5,524	5,620	5,832	7,457
Engineering .....	1,095	986	1,020	1,054	1,103	1,227	1,125	1,109	1,318
Sciences .....	3,765	3,635	3,619	3,763	4,036	4,297	4,495	4,723	6,139
Natural sciences .....	1,417	1,513	1,390	1,501	1,734	1,805	2,016	2,153	2,918
Physical science <sup>1</sup> .....	224	259	271	249	298	311	308	319	360
Mathematical science .....	172	149	137	161	165	160	161	148	239
Computer science .....	491	443	341	362	394	380	613	707	1,120
Biological science .....	462	483	486	528	628	694	717	752	883
Agricultural science .....	68	179	155	201	249	260	217	227	316
Social sciences .....	2,348	2,122	2,229	2,262	2,302	2,492	2,479	2,570	3,221
Social science .....	1,917	1,685	1,780	1,759	1,794	1,973	1,968	2,023	2,589
Psychology .....	431	437	449	503	508	519	511	547	632
Non-S&E <sup>2</sup> .....	7,433	7,266	7,186	7,342	7,846	7,590	7,575	8,387	11,686

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	18,227	17,106	19,052	19,743	21,116	21,431	21,623	21,452	20,614
Science and engineering .....	8,983	8,341	9,394	9,462	9,934	9,786	9,562	9,477	9,224
Engineering .....	4,112	3,752	4,041	3,992	4,244	4,142	4,121	4,015	3,724
Sciences .....	4,871	4,589	5,353	5,470	5,690	5,644	5,441	5,462	5,500
Natural sciences .....	2,995	2,806	3,271	3,230	3,291	3,169	3,014	3,077	3,314
Physical science <sup>1</sup> .....	411	417	525	467	473	437	431	429	353
Mathematical science .....	374	358	345	364	358	386	320	292	306
Computer science .....	1,463	1,419	1,601	1,667	1,668	1,573	1,431	1,507	1,976
Biological science .....	544	479	569	575	622	613	669	679	546
Agricultural science .....	203	133	231	157	170	160	163	170	133
Social sciences .....	1,876	1,783	2,082	2,240	2,399	2,475	2,427	2,385	2,186
Social science .....	1,698	1,608	1,862	2,033	2,167	2,200	2,172	2,089	1,912
Psychology .....	178	175	220	207	232	275	255	296	274
Non-S&E <sup>2</sup> .....	9,244	8,765	9,658	10,281	11,182	11,645	12,061	11,975	11,390

<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 6. Number of earned bachelor's degrees, by field and by citizenship and race/ethnicity of female recipients: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Total								
Total, all fields .....	599,045	624,677	641,742	646,080	643,290	651,815	661,307	673,865	716,963
Science and engineering .....	155,286	167,663	174,047	178,888	183,731	189,307	194,420	198,115	209,026
Engineering .....	9,664	9,628	9,974	10,393	10,941	11,301	11,460	11,329	12,197
Sciences .....	145,622	158,035	164,073	168,495	172,790	178,006	182,960	186,786	196,829
Natural sciences .....	43,504	46,430	48,887	51,836	55,854	59,351	62,716	65,464	69,959
Physical science <sup>1</sup> .....	5,208	5,610	5,814	6,272	6,816	7,187	7,424	7,593	7,607
Mathematical science .....	6,980	6,928	7,011	6,677	6,441	6,025	5,931	5,745	5,718
Computer science .....	7,514	7,184	6,912	6,992	7,034	6,739	6,809	7,245	10,211
Biological science .....	20,636	22,728	24,766	26,899	29,848	32,809	35,222	37,065	37,884
Agricultural science .....	3,166	3,980	4,384	4,996	5,715	6,591	7,330	7,816	8,539
Social sciences .....	102,118	111,605	115,186	116,659	116,936	118,655	120,244	121,322	126,870
Social science .....	59,380	64,699	65,964	65,640	63,973	64,792	65,001	65,922	69,756
Psychology .....	42,738	46,906	49,222	51,019	52,963	53,863	55,243	55,400	57,114
Non-S&E <sup>2</sup> .....	443,759	457,014	467,695	467,192	459,559	462,508	466,887	475,750	507,937
	U.S. citizens and permanent residents, total <sup>3</sup>								
Total, all fields .....	587,615	613,236	628,423	631,596	627,394	635,459	644,156	656,430	698,782
Science and engineering .....	151,545	163,766	169,639	174,421	178,911	184,246	189,185	192,864	203,019
Engineering .....	9,194	9,157	9,510	9,845	10,375	10,681	10,784	10,701	11,391
Sciences .....	142,351	154,609	160,129	164,576	168,536	173,565	178,401	182,163	191,628
Natural sciences .....	41,943	44,867	47,072	50,117	53,995	57,459	60,819	63,565	67,707
Physical science <sup>1</sup> .....	5,011	5,420	5,575	6,026	6,566	6,938	7,184	7,347	7,382
Mathematical science .....	6,776	6,694	6,804	6,479	6,206	5,853	5,725	5,581	5,549
Computer science .....	6,940	6,629	6,309	6,386	6,407	6,132	6,241	6,623	9,308
Biological science .....	20,117	22,214	24,118	26,319	29,189	32,057	34,431	36,322	37,055
Agricultural science .....	3,099	3,910	4,266	4,907	5,627	6,479	7,238	7,692	8,413
Social sciences .....	100,408	109,742	113,057	114,459	114,541	116,106	117,582	118,598	123,921
Social science .....	58,183	63,325	64,445	64,088	62,288	62,984	63,133	64,072	67,797
Psychology .....	42,225	46,417	48,612	50,371	52,253	53,122	54,449	54,526	56,124
Non-S&E <sup>2</sup> .....	436,070	449,470	458,784	457,175	448,483	451,213	454,971	463,566	495,763
	White, non-Hispanics								
Total, all fields .....	481,618	498,936	504,363	497,913	485,630	484,996	485,218	489,011	506,958
Science and engineering .....	119,503	128,394	131,108	132,371	133,042	135,193	136,131	136,825	140,121
Engineering .....	6,470	6,513	6,609	6,857	6,941	7,121	7,045	6,913	7,266
Sciences .....	113,033	121,881	124,499	125,514	126,101	128,072	129,086	129,912	132,855
Natural sciences .....	31,807	34,007	35,353	37,081	39,378	41,545	43,407	44,712	46,514
Physical science <sup>1</sup> .....	3,942	4,248	4,327	4,658	4,946	5,122	5,225	5,276	5,218
Mathematical science .....	5,530	5,468	5,538	5,169	4,887	4,584	4,399	4,194	4,096
Computer science .....	4,433	4,273	3,826	3,794	3,739	3,546	3,556	3,679	4,866
Biological science .....	15,090	16,476	17,787	19,060	20,838	22,615	23,937	24,946	25,163
Agricultural science .....	2,812	3,542	3,875	4,400	4,968	5,678	6,290	6,617	7,171
Social sciences .....	81,226	87,874	89,146	88,433	86,723	86,527	85,679	85,200	86,341
Social science .....	46,369	49,815	49,885	48,454	46,050	45,792	44,853	44,893	46,338
Psychology .....	34,857	38,059	39,261	39,979	40,673	40,735	40,826	40,307	40,003
Non-S&E <sup>2</sup> .....	362,115	370,542	373,255	365,542	352,588	349,803	349,087	352,186	366,837

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	20,952	23,426	25,768	28,255	30,947	33,163	35,626	37,400	40,697
Science and engineering .....	8,610	9,437	10,372	11,453	13,089	14,016	15,225	16,073	17,217
Engineering .....	1,251	1,198	1,277	1,281	1,445	1,436	1,474	1,567	1,664
Sciences .....	7,359	8,239	9,095	10,172	11,644	12,580	13,751	14,506	15,553
Natural sciences .....	3,446	3,713	4,144	4,680	5,524	6,051	6,719	6,988	7,624
Physical science <sup>1</sup> .....	377	386	423	448	563	651	739	773	724
Mathematical science .....	433	371	413	403	446	396	383	394	468
Computer science .....	742	709	753	771	782	751	837	882	1,700
Biological science .....	1,823	2,172	2,470	2,967	3,576	4,080	4,528	4,686	4,458
Agricultural science .....	71	75	85	91	157	173	232	253	274
Social sciences .....	3,913	4,526	4,951	5,492	6,120	6,529	7,032	7,518	7,929
Social science .....	2,592	2,996	3,151	3,522	3,758	3,988	4,170	4,474	4,779
Psychology .....	1,321	1,530	1,800	1,970	2,362	2,541	2,862	3,044	3,150
Non-S&E <sup>2</sup> .....	12,342	13,989	15,396	16,802	17,858	19,147	20,401	21,327	23,480
Underrepresented minorities, total									
Total, all fields .....	71,608	78,753	85,486	92,535	96,890	103,013	108,052	113,261	127,305
Science and engineering .....	19,655	22,493	24,522	26,821	28,609	30,714	33,017	34,671	38,403
Engineering .....	1,299	1,325	1,453	1,562	1,800	1,918	2,053	2,034	2,165
Sciences .....	18,356	21,168	23,069	25,259	26,809	28,796	30,964	32,637	36,238
Natural sciences .....	5,734	6,272	6,744	7,393	7,927	8,657	9,246	10,130	11,341
Physical science <sup>1</sup> .....	600	680	736	806	934	1,032	1,072	1,087	1,227
Mathematical science .....	677	757	746	808	769	767	830	873	833
Computer science .....	1,534	1,478	1,588	1,672	1,725	1,692	1,612	1,781	2,313
Biological science .....	2,752	3,158	3,472	3,790	4,157	4,709	5,197	5,770	6,288
Agricultural science .....	171	199	202	317	342	457	535	619	680
Social sciences .....	12,622	14,896	16,325	17,866	18,882	20,139	21,718	22,507	24,897
Social science .....	7,658	9,057	9,905	10,587	10,879	11,481	12,293	12,704	13,882
Psychology .....	4,964	5,839	6,420	7,279	8,003	8,658	9,425	9,803	11,015
Non-S&E <sup>2</sup> .....	51,953	56,260	60,964	65,714	68,281	72,299	75,035	78,590	88,902
Black, non-Hispanics									
Total, all fields .....	40,771	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564
Science and engineering .....	11,539	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079
Engineering .....	745	748	813	875	999	1,036	1,057	1,041	1,089
Sciences .....	10,794	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990
Natural sciences .....	3,296	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390
Physical science <sup>1</sup> .....	362	435	466	457	539	618	644	606	669
Mathematical science .....	431	530	521	535	519	513	561	542	503
Computer science .....	1,026	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593
Biological science .....	1,415	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355
Agricultural science .....	62	93	93	131	142	176	201	237	270
Social sciences .....	7,498	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600
Social science .....	4,689	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674
Psychology .....	2,809	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926
Non-S&E <sup>2</sup> .....	29,232	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	28,246	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667
Science and engineering .....	7,463	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813
Engineering .....	527	546	606	648	756	834	929	946	987
Sciences .....	6,936	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826
Natural sciences .....	2,247	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489
Physical science <sup>1</sup> .....	215	220	238	318	363	384	385	440	505
Mathematical science .....	221	203	197	243	221	231	241	304	292
Computer science .....	477	449	396	416	431	456	426	490	662
Biological science .....	1,245	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710
Agricultural science .....	89	89	87	143	158	223	264	314	320
Social sciences .....	4,689	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337
Social science .....	2,700	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638
Psychology .....	1,989	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699
Non-S&E <sup>2</sup> .....	20,783	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854
American Indians or Alaskan Natives									
Total, all fields .....	2,591	2,979	3,173	3,502	3,785	4,002	4,323	4,627	5,074
Science and engineering .....	653	776	918	999	1,049	1,160	1,298	1,320	1,511
Engineering .....	27	31	34	39	45	48	67	47	89
Sciences .....	626	745	884	960	1,004	1,112	1,231	1,273	1,422
Natural sciences .....	191	185	218	257	297	323	352	378	462
Physical science <sup>1</sup> .....	23	25	32	31	32	30	43	41	53
Mathematical science .....	25	24	28	30	29	23	28	27	38
Computer science .....	31	31	28	19	37	39	28	34	58
Biological science .....	92	88	108	134	157	173	183	208	223
Agricultural science .....	20	17	22	43	42	58	70	68	90
Social sciences .....	435	560	666	703	707	789	879	895	960
Social science .....	269	339	424	422	420	451	507	527	570
Psychology .....	166	221	242	281	287	338	372	368	390
Non-S&E <sup>2</sup> .....	1,938	2,203	2,255	2,503	2,736	2,842	3,025	3,307	3,563
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	13,437	12,121	12,806	12,893	13,927	14,287	15,260	16,758	23,822
Science and engineering .....	3,777	3,442	3,637	3,776	4,171	4,323	4,812	5,295	7,278
Engineering .....	174	121	171	145	189	206	212	187	296
Sciences .....	3,603	3,321	3,466	3,631	3,982	4,117	4,600	5,108	6,982
Natural sciences .....	956	875	831	963	1,166	1,206	1,447	1,735	2,228
Physical science <sup>1</sup> .....	92	106	89	114	123	133	148	211	213
Mathematical science .....	136	98	107	99	104	106	113	120	152
Computer science .....	231	169	142	149	161	143	236	281	429
Biological science .....	452	408	389	502	618	653	769	920	1,146
Agricultural science .....	45	94	104	99	160	171	181	203	288
Social sciences .....	2,647	2,446	2,635	2,668	2,816	2,911	3,153	3,373	4,754
Social science .....	1,564	1,457	1,504	1,525	1,601	1,723	1,817	2,001	2,798
Psychology .....	1,083	989	1,131	1,143	1,215	1,188	1,336	1,372	1,956
Non-S&E <sup>2</sup> .....	9,660	8,679	9,169	9,117	9,756	9,964	10,448	11,463	16,544

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	11,430	11,441	13,319	14,484	15,896	16,356	17,151	17,435	18,181
Science and engineering .....	3,741	3,897	4,408	4,467	4,820	5,061	5,235	5,251	6,007
Engineering .....	470	471	464	548	566	620	676	628	806
Sciences .....	3,271	3,426	3,944	3,919	4,254	4,441	4,559	4,623	5,201
Natural sciences .....	1,561	1,563	1,815	1,719	1,859	1,892	1,897	1,899	2,252
Physical science <sup>1</sup> .....	197	190	239	246	250	249	240	246	225
Mathematical science .....	204	234	207	198	235	172	206	164	169
Computer science .....	574	555	603	606	627	607	568	622	903
Biological science .....	519	514	648	580	659	752	791	743	829
Agricultural science .....	67	70	118	89	88	112	92	124	126
Social sciences .....	1,710	1,863	2,129	2,200	2,395	2,549	2,662	2,724	2,949
Social science .....	1,197	1,374	1,519	1,552	1,685	1,808	1,868	1,850	1,959
Psychology .....	513	489	610	648	710	741	794	874	990
Non-S&E <sup>2</sup> .....	7,689	7,544	8,911	10,017	11,076	11,295	11,916	12,184	12,174

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total, all fields .....	338,498	354,207	370,973	389,008	399,428	408,932	420,954	431,871	456,260
Science and engineering .....	72,828	76,184	81,415	86,080	88,431	88,730	86,697	87,144	88,191
Engineering .....	24,007	25,010	27,658	28,707	28,617	27,757	25,870	26,128	25,722
Sciences .....	48,821	51,174	53,757	57,373	59,814	60,973	60,827	61,016	62,469
Natural sciences .....	25,669	26,775	27,713	28,869	29,292	30,353	29,919	30,532	32,230
Physical science <sup>1</sup> .....	5,282	5,352	5,365	5,688	5,735	5,854	5,579	5,398	4,858
Mathematical science .....	3,632	4,019	4,084	4,108	4,190	4,037	3,790	3,700	3,422
Computer science .....	9,324	9,530	10,167	10,421	10,332	10,223	10,107	11,270	13,848
Biological science .....	4,806	4,816	4,798	5,217	5,423	6,207	6,497	6,283	6,228
Agricultural science .....	2,625	3,058	3,299	3,435	3,612	4,032	3,946	3,881	3,874
Social sciences .....	23,152	24,399	26,044	28,504	30,522	30,620	30,908	30,484	30,239
Social science .....	13,350	14,119	15,024	16,230	16,501	16,758	16,466	16,574	15,699
Psychology .....	9,802	10,280	11,020	12,274	14,021	13,862	14,442	13,910	14,540
Non-S&E <sup>2</sup> .....	265,670	278,023	289,558	302,928	310,997	320,202	334,257	344,727	368,069
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	300,887	314,555	326,864	342,502	350,672	360,682	371,477	379,666	400,689
Science and engineering .....	55,779	58,177	61,265	65,201	67,110	68,151	66,609	65,748	64,577
Engineering .....	16,487	17,111	18,539	19,350	18,921	18,762	17,236	16,970	15,900
Sciences .....	39,292	41,066	42,726	45,851	48,189	49,389	49,373	48,778	48,677
Natural sciences .....	18,935	19,459	19,651	20,451	20,957	22,028	21,764	21,758	22,000
Physical science <sup>1</sup> .....	3,778	3,814	3,763	3,918	3,980	4,119	3,933	3,898	3,523
Mathematical science .....	2,573	2,907	2,946	3,013	3,034	2,956	2,789	2,671	2,275
Computer science .....	6,505	6,361	6,388	6,509	6,452	6,352	6,172	6,523	7,357
Biological science .....	4,057	4,021	3,949	4,284	4,543	5,230	5,589	5,392	5,490
Agricultural science .....	2,022	2,356	2,605	2,727	2,948	3,371	3,281	3,274	3,355
Social sciences .....	20,357	21,607	23,075	25,400	27,232	27,361	27,609	27,020	26,677
Social science .....	10,872	11,629	12,387	13,487	13,695	13,938	13,584	13,579	12,619
Psychology .....	9,485	9,978	10,688	11,913	13,537	13,423	14,025	13,441	14,058
Non-S&E <sup>2</sup> .....	245,108	256,378	265,599	277,301	283,562	292,531	304,868	313,918	336,112
White, non-Hispanics									
Total, all fields .....	247,524	257,062	265,668	273,913	277,437	282,713	288,353	291,962	297,226
Science and engineering .....	44,513	45,649	47,975	50,711	51,417	51,791	50,288	49,047	46,189
Engineering .....	12,635	12,752	13,920	14,469	13,821	13,573	12,490	12,079	11,007
Sciences .....	31,878	32,897	34,055	36,242	37,596	38,218	37,798	36,968	35,182
Natural sciences .....	15,005	15,136	15,322	15,524	15,789	16,672	16,347	16,134	15,576
Physical science <sup>1</sup> .....	3,129	3,067	3,078	3,145	3,179	3,326	3,173	3,129	2,811
Mathematical science .....	2,068	2,336	2,354	2,379	2,342	2,227	2,145	2,036	1,716
Computer science .....	4,637	4,407	4,464	4,286	4,205	4,113	3,868	3,976	4,061
Biological science .....	3,353	3,251	3,144	3,453	3,589	4,080	4,342	4,156	4,112
Agricultural science .....	1,818	2,075	2,282	2,261	2,474	2,926	2,819	2,837	2,876
Social sciences .....	16,873	17,761	18,733	20,718	21,807	21,546	21,451	20,834	19,606
Social science .....	8,900	9,523	9,923	10,758	10,700	10,807	10,350	10,413	9,289
Psychology .....	7,973	8,238	8,810	9,960	11,107	10,739	11,101	10,421	10,317
Non-S&E <sup>2</sup> .....	203,011	211,413	217,693	223,202	226,020	230,922	238,065	242,915	251,037

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	11,070	12,293	13,169	14,559	15,906	17,281	17,912	19,936	21,412
Science and engineering .....	4,310	4,763	4,846	5,422	5,683	5,942	5,845	6,178	6,609
Engineering .....	2,008	2,223	2,260	2,443	2,572	2,621	2,319	2,450	2,379
Sciences .....	2,302	2,540	2,586	2,979	3,111	3,321	3,526	3,728	4,230
Natural sciences .....	1,735	1,916	1,918	2,159	2,280	2,405	2,487	2,679	3,101
Physical science <sup>1</sup> .....	251	295	249	284	288	304	308	278	262
Mathematical science .....	189	201	197	233	239	235	248	215	203
Computer science .....	1,014	1,105	1,106	1,228	1,239	1,237	1,268	1,527	1,955
Biological science .....	231	264	305	332	417	519	558	576	586
Agricultural science .....	50	51	61	82	97	110	105	83	95
Social sciences .....	567	624	668	820	831	916	1,039	1,049	1,129
Social science .....	397	441	477	550	533	586	665	655	644
Psychology .....	170	183	191	270	298	330	374	394	485
Non-S&E <sup>2</sup> .....	6,760	7,530	8,323	9,137	10,223	11,339	12,067	13,758	14,803
Underrepresented minorities, total									
Total, all fields .....	26,666	28,904	31,612	35,731	38,401	41,675	45,152	47,983	56,207
Science and engineering .....	4,026	4,360	4,899	5,636	6,223	6,552	7,031	7,176	7,774
Engineering .....	906	996	1,195	1,368	1,419	1,478	1,492	1,575	1,574
Sciences .....	3,120	3,364	3,704	4,268	4,804	5,074	5,539	5,601	6,200
Natural sciences .....	1,195	1,258	1,358	1,569	1,625	1,680	1,826	1,787	1,987
Physical science <sup>1</sup> .....	182	209	231	257	295	253	299	319	268
Mathematical science .....	194	147	184	190	237	248	242	252	210
Computer science .....	425	480	484	552	561	576	599	583	760
Biological science .....	286	307	312	297	349	406	467	399	509
Agricultural science .....	108	115	147	273	183	197	219	234	240
Social sciences .....	1,925	2,106	2,346	2,699	3,179	3,394	3,713	3,814	4,213
Social science .....	1,031	1,118	1,282	1,443	1,575	1,658	1,719	1,778	1,847
Psychology .....	894	988	1,064	1,256	1,604	1,736	1,994	2,036	2,366
Non-S&E <sup>2</sup> .....	22,640	24,544	26,713	30,095	32,178	35,123	38,121	40,807	48,433
Black, non-Hispanics									
Total, all fields .....	15,857	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305
Science and engineering .....	2,090	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115
Engineering .....	398	466	564	589	665	674	674	714	658
Sciences .....	1,692	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457
Natural sciences .....	644	699	716	821	881	932	1,010	957	1,003
Physical science <sup>1</sup> .....	73	98	105	127	147	116	144	146	124
Mathematical science .....	100	77	98	109	151	151	157	150	103
Computer science .....	283	316	308	365	347	379	377	376	472
Biological science .....	137	149	135	142	162	198	236	190	220
Agricultural science .....	51	59	70	78	74	88	96	95	84
Social sciences .....	1,048	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454
Social science .....	594	660	730	803	930	965	1,010	1,012	1,061
Psychology .....	454	531	544	636	863	947	1,123	1,073	1,393
Non-S&E <sup>2</sup> .....	13,767	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	9,684	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803
Science and engineering .....	1,736	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319
Engineering .....	468	488	581	719	711	748	765	807	852
Sciences .....	1,268	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467
Natural sciences .....	494	503	574	680	665	677	720	737	882
Physical science <sup>1</sup> .....	96	93	114	114	129	127	139	149	126
Mathematical science .....	85	66	78	75	75	91	71	91	97
Computer science .....	128	149	162	169	198	173	197	193	262
Biological science .....	136	146	151	138	167	191	208	188	264
Agricultural science .....	49	49	69	184	96	95	105	116	133
Social sciences .....	774	815	937	1,115	1,209	1,305	1,397	1,527	1,585
Social science .....	383	396	474	557	553	596	626	676	686
Psychology .....	391	419	463	558	656	709	771	851	899
Non-S&E <sup>2</sup> .....	7,948	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484
American Indians or Alaskan Natives									
Total, all fields .....	1,125	1,228	1,344	1,618	1,542	1,693	1,844	1,951	2,099
Science and engineering .....	200	198	253	273	299	304	332	349	340
Engineering .....	40	42	50	60	43	56	53	54	64
Sciences .....	160	156	203	213	256	248	279	295	276
Natural sciences .....	57	56	68	68	79	71	96	93	102
Physical science <sup>1</sup> .....	13	18	12	16	19	10	16	24	18
Mathematical science .....	9	4	8	6	11	6	14	11	10
Computer science .....	14	15	14	18	16	24	25	14	26
Biological science .....	13	12	26	17	20	17	23	21	25
Agricultural science .....	8	7	8	11	13	14	18	23	23
Social sciences .....	103	100	135	145	177	177	183	202	174
Social science .....	54	62	78	83	92	97	83	90	100
Psychology .....	49	38	57	62	85	80	100	112	74
Non-S&E <sup>2</sup> .....	925	1,030	1,091	1,345	1,243	1,389	1,512	1,602	1,759
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	15,627	16,296	16,415	18,299	18,928	19,013	20,060	19,785	25,844
Science and engineering .....	2,930	3,405	3,545	3,432	3,787	3,866	3,445	3,347	4,005
Engineering .....	938	1,140	1,164	1,070	1,109	1,090	935	866	940
Sciences .....	1,992	2,265	2,381	2,362	2,678	2,776	2,510	2,481	3,065
Natural sciences .....	1,000	1,149	1,053	1,199	1,263	1,271	1,104	1,158	1,336
Physical science <sup>1</sup> .....	216	243	205	232	218	236	153	172	182
Mathematical science .....	122	223	211	211	216	246	154	168	146
Computer science .....	429	369	334	443	447	426	437	437	581
Biological science .....	187	199	188	202	188	225	222	261	283
Agricultural science .....	46	115	115	111	194	138	138	120	144
Social sciences .....	992	1,116	1,328	1,163	1,415	1,505	1,406	1,323	1,729
Social science .....	544	547	705	736	887	887	850	733	839
Psychology .....	448	569	623	427	528	618	556	590	890
Non-S&E <sup>2</sup> .....	12,697	12,891	12,870	14,867	15,141	15,147	16,615	16,438	21,839

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	37,611	39,652	44,109	46,506	48,756	48,250	49,477	52,205	55,571
Science and engineering .....	17,049	18,007	20,150	20,879	21,321	20,579	20,088	21,396	23,614
Engineering .....	7,520	7,899	9,119	9,357	9,696	8,995	8,634	9,158	9,822
Sciences .....	9,529	10,108	11,031	11,522	11,625	11,584	11,454	12,238	13,792
Natural sciences .....	6,734	7,316	8,062	8,418	8,335	8,325	8,155	8,774	10,230
Physical science <sup>1</sup> .....	1,504	1,538	1,602	1,770	1,755	1,735	1,646	1,500	1,335
Mathematical science .....	1,059	1,112	1,138	1,095	1,156	1,081	1,001	1,029	1,147
Computer science .....	2,819	3,169	3,779	3,912	3,880	3,871	3,935	4,747	6,491
Biological science .....	749	795	849	933	880	977	908	891	738
Agricultural science .....	603	702	694	708	664	661	665	607	519
Social sciences .....	2,795	2,792	2,969	3,104	3,290	3,259	3,299	3,464	3,562
Social science .....	2,478	2,490	2,637	2,743	2,806	2,820	2,882	2,995	3,080
Psychology .....	317	302	332	361	484	439	417	469	482
Non-S&E <sup>2</sup> .....	20,562	21,645	23,959	25,627	27,435	27,671	29,389	30,809	31,957

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total, all fields .....	156,895	162,299	169,753	176,762	179,198	180,360	181,457	185,061	191,234
Science and engineering .....	47,748	49,768	53,102	55,461	55,803	54,928	52,181	52,219	50,702
Engineering .....	20,650	21,345	23,565	24,286	23,986	23,005	21,176	20,970	20,383
Sciences .....	27,098	28,423	29,537	31,175	31,817	31,923	31,005	31,249	30,319
Natural sciences .....	16,530	17,480	18,076	18,813	18,926	19,185	18,551	18,834	19,074
Physical science <sup>1</sup> .....	3,825	3,895	3,803	4,030	4,000	3,968	3,758	3,464	3,130
Mathematical science .....	2,146	2,457	2,468	2,541	2,549	2,468	2,245	2,207	1,888
Computer science .....	6,563	6,884	7,411	7,727	7,630	7,500	7,252	8,000	9,219
Biological science .....	2,315	2,316	2,365	2,475	2,616	2,925	3,048	2,994	2,786
Agricultural science .....	1,681	1,928	2,029	2,040	2,131	2,324	2,248	2,169	2,051
Social sciences .....	10,568	10,943	11,461	12,362	12,891	12,738	12,454	12,415	11,245
Social science .....	7,574	7,939	8,419	8,945	8,981	8,910	8,585	8,680	7,688
Psychology .....	2,994	3,004	3,042	3,417	3,910	3,828	3,869	3,735	3,557
Non-S&E <sup>2</sup> .....	109,147	112,531	116,651	121,301	123,395	125,432	129,276	132,842	140,532
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	131,745	136,062	140,932	146,621	148,039	150,310	151,256	153,581	158,445
Science and engineering .....	34,667	36,063	37,737	39,700	39,784	39,968	37,795	37,164	34,864
Engineering .....	13,977	14,350	15,542	16,140	15,624	15,402	13,990	13,535	12,588
Sciences .....	20,690	21,713	22,195	23,560	24,160	24,566	23,805	23,629	22,276
Natural sciences .....	11,839	12,393	12,504	12,985	13,134	13,545	13,085	13,061	12,748
Physical science <sup>1</sup> .....	2,755	2,784	2,685	2,794	2,778	2,781	2,618	2,483	2,235
Mathematical science .....	1,463	1,745	1,717	1,803	1,765	1,758	1,582	1,542	1,235
Computer science .....	4,419	4,504	4,600	4,779	4,725	4,613	4,416	4,628	5,028
Biological science .....	1,945	1,931	1,959	2,013	2,164	2,470	2,638	2,602	2,499
Agricultural science .....	1,257	1,429	1,543	1,596	1,702	1,923	1,831	1,806	1,751
Social sciences .....	8,851	9,320	9,691	10,575	11,026	11,021	10,720	10,568	9,528
Social science .....	5,961	6,411	6,760	7,288	7,264	7,317	6,978	6,949	6,096
Psychology .....	2,890	2,909	2,931	3,287	3,762	3,704	3,742	3,619	3,432
Non-S&E <sup>2</sup> .....	97,078	99,999	103,195	106,921	108,255	110,342	113,461	116,417	123,581
White, non-Hispanics									
Total, all fields .....	107,917	110,797	113,717	116,758	116,655	117,559	117,942	118,464	117,915
Science and engineering .....	27,634	28,113	29,493	30,846	30,464	30,591	28,930	28,066	25,279
Engineering .....	10,742	10,775	11,777	12,232	11,581	11,383	10,385	9,862	8,971
Sciences .....	16,892	17,338	17,716	18,614	18,883	19,208	18,545	18,204	16,308
Natural sciences .....	9,491	9,675	9,837	9,964	10,031	10,429	10,104	9,877	9,189
Physical science <sup>1</sup> .....	2,299	2,234	2,229	2,252	2,256	2,288	2,172	2,044	1,804
Mathematical science .....	1,169	1,389	1,332	1,420	1,354	1,326	1,239	1,201	948
Computer science .....	3,260	3,236	3,326	3,309	3,231	3,170	2,978	3,040	3,031
Biological science .....	1,629	1,566	1,593	1,643	1,740	1,958	2,108	2,008	1,883
Agricultural science .....	1,134	1,250	1,357	1,340	1,450	1,687	1,607	1,584	1,523
Social sciences .....	7,401	7,663	7,879	8,650	8,852	8,779	8,441	8,327	7,119
Social science .....	4,981	5,276	5,453	5,880	5,750	5,758	5,428	5,457	4,600
Psychology .....	2,420	2,387	2,426	2,770	3,102	3,021	3,013	2,870	2,519
Non-S&E <sup>2</sup> .....	80,283	82,684	84,224	85,912	86,191	86,968	89,012	90,398	92,636

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	6,220	6,823	7,125	7,791	8,385	8,877	8,585	9,638	10,105
Science and engineering .....	2,959	3,276	3,237	3,561	3,733	3,726	3,453	3,707	3,784
Engineering .....	1,685	1,816	1,819	1,932	2,023	2,000	1,758	1,823	1,719
Sciences .....	1,274	1,460	1,418	1,629	1,710	1,726	1,695	1,884	2,065
Natural sciences .....	1,031	1,169	1,149	1,279	1,359	1,361	1,324	1,503	1,697
Physical science <sup>1</sup> .....	165	206	150	182	187	168	168	150	154
Mathematical science .....	108	103	121	126	134	132	125	111	95
Computer science .....	627	705	710	785	785	775	755	909	1,124
Biological science .....	104	125	136	151	209	237	244	290	287
Agricultural science .....	27	30	32	35	44	49	32	43	37
Social sciences .....	243	291	269	350	351	365	371	381	368
Social science .....	196	229	219	276	272	287	285	288	258
Psychology .....	47	62	50	74	79	78	86	93	110
Non-S&E <sup>2</sup> .....	3,261	3,547	3,888	4,230	4,652	5,151	5,132	5,931	6,321
Underrepresented minorities, total									
Total, all fields .....	10,207	10,676	11,903	13,144	13,984	14,735	15,607	16,694	19,091
Science and engineering .....	2,129	2,340	2,637	2,964	3,143	3,197	3,370	3,418	3,570
Engineering .....	711	775	924	1,052	1,082	1,095	1,084	1,145	1,150
Sciences .....	1,418	1,565	1,713	1,912	2,061	2,102	2,286	2,273	2,420
Natural sciences .....	664	728	764	899	905	912	975	952	1,043
Physical science <sup>1</sup> .....	124	144	142	167	185	145	171	181	155
Mathematical science .....	112	92	102	111	122	140	135	126	111
Computer science .....	244	283	308	337	361	347	365	363	456
Biological science .....	116	137	132	125	136	170	187	173	207
Agricultural science .....	68	72	80	159	101	110	117	109	114
Social sciences .....	754	837	949	1,013	1,156	1,190	1,311	1,321	1,377
Social science .....	482	556	672	692	734	749	809	806	807
Psychology .....	272	281	277	321	422	441	502	515	570
Non-S&E <sup>2</sup> .....	8,078	8,336	9,266	10,180	10,841	11,538	12,237	13,276	15,521
Black, non-Hispanics									
Total, all fields .....	5,619	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309
Science and engineering .....	1,028	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679
Engineering .....	299	332	407	422	464	464	449	470	451
Sciences .....	729	834	846	954	1,070	1,101	1,168	1,176	1,228
Natural sciences .....	338	382	386	435	434	467	484	485	478
Physical science <sup>1</sup> .....	43	66	58	74	86	59	74	81	65
Mathematical science .....	53	44	48	62	64	78	77	71	48
Computer science .....	150	175	193	205	199	205	208	229	256
Biological science .....	58	61	47	48	50	76	69	68	72
Agricultural science .....	34	36	40	46	35	49	56	36	37
Social sciences .....	391	452	460	519	636	634	684	691	750
Social science .....	262	315	345	358	418	391	426	431	433
Psychology .....	129	137	115	161	218	243	258	260	317
Non-S&E <sup>2</sup> .....	4,591	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	4,124	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004
Science and engineering .....	992	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716
Engineering .....	378	408	480	582	578	580	589	629	651
Sciences .....	614	658	775	845	880	898	987	967	1,065
Natural sciences .....	294	309	341	414	423	402	435	415	498
Physical science <sup>1</sup> .....	73	64	76	80	88	80	86	87	77
Mathematical science .....	52	47	50	44	53	57	50	51	57
Computer science .....	84	98	104	120	151	125	141	123	183
Biological science .....	54	69	76	65	75	85	107	96	122
Agricultural science .....	31	31	35	105	56	55	51	58	59
Social sciences .....	320	349	434	431	457	496	552	552	567
Social science .....	196	218	282	290	283	320	344	333	329
Psychology .....	124	131	152	141	174	176	208	219	238
Non-S&E <sup>2</sup> .....	3,132	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288
American Indians or Alaskan Natives									
Total, all fields .....	464	501	556	654	623	665	697	739	778
Science and engineering .....	109	108	129	161	151	154	177	176	175
Engineering .....	34	35	37	48	40	51	46	46	48
Sciences .....	75	73	92	113	111	103	131	130	127
Natural sciences .....	32	37	37	50	48	43	56	52	67
Physical science <sup>1</sup> .....	8	14	8	13	11	6	11	13	13
Mathematical science .....	7	1	4	5	5	5	8	4	6
Computer science .....	10	10	11	12	11	17	16	11	17
Biological science .....	4	7	9	12	11	9	11	9	13
Agricultural science .....	3	5	5	8	10	6	10	15	18
Social sciences .....	43	36	55	63	63	60	75	78	60
Social science .....	24	23	45	44	33	38	39	42	45
Psychology .....	19	13	10	19	30	22	36	36	15
Non-S&E <sup>2</sup> .....	355	393	427	493	472	511	520	563	603
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	7,401	7,766	8,187	8,928	9,015	9,139	9,122	8,785	11,334
Science and engineering .....	1,945	2,334	2,370	2,329	2,444	2,454	2,042	1,973	2,231
Engineering .....	839	984	1,022	924	938	924	763	705	748
Sciences .....	1,106	1,350	1,348	1,405	1,506	1,530	1,279	1,268	1,483
Natural sciences .....	653	821	754	843	839	843	682	729	819
Physical science <sup>1</sup> .....	167	200	164	193	150	180	107	108	122
Mathematical science .....	74	161	162	146	155	160	83	104	81
Computer science .....	288	280	256	348	348	321	318	316	417
Biological science .....	96	103	98	94	79	105	99	131	122
Agricultural science .....	28	77	74	62	107	77	75	70	77
Social sciences .....	453	529	594	562	667	687	597	539	664
Social science .....	302	350	416	440	508	523	456	398	431
Psychology .....	151	179	178	122	159	164	141	141	233
Non-S&E <sup>2</sup> .....	5,456	5,432	5,817	6,599	6,571	6,685	7,080	6,812	9,103

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	25,150	26,237	28,821	30,141	31,159	30,050	30,201	31,480	32,789
Science and engineering .....	13,081	13,705	15,365	15,761	16,019	14,960	14,386	15,055	15,838
Engineering .....	6,673	6,995	8,023	8,146	8,362	7,603	7,186	7,435	7,795
Sciences .....	6,408	6,710	7,342	7,615	7,657	7,357	7,200	7,620	8,043
Natural sciences .....	4,691	5,087	5,572	5,828	5,792	5,640	5,466	5,773	6,326
Physical science <sup>1</sup> .....	1,070	1,111	1,118	1,236	1,222	1,187	1,140	981	895
Mathematical science .....	683	712	751	738	784	710	663	665	653
Computer science .....	2,144	2,380	2,811	2,948	2,905	2,887	2,836	3,372	4,191
Biological science .....	370	385	406	462	452	455	410	392	287
Agricultural science .....	424	499	486	444	429	401	417	363	300
Social sciences .....	1,717	1,623	1,770	1,787	1,865	1,717	1,734	1,847	1,717
Social science .....	1,613	1,528	1,659	1,657	1,717	1,593	1,607	1,731	1,592
Psychology .....	104	95	111	130	148	124	127	116	125
Non-S&E <sup>2</sup> .....	12,069	12,532	13,456	14,380	15,140	15,090	15,815	16,425	16,951

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total, all fields .....	181,603	191,908	201,220	212,246	220,230	228,572	239,497	246,810	265,026
Science and engineering .....	25,080	26,416	28,313	30,619	32,628	33,802	34,516	34,925	37,489
Engineering .....	3,357	3,665	4,093	4,421	4,631	4,752	4,694	5,158	5,339
Sciences .....	21,723	22,751	24,220	26,198	27,997	29,050	29,822	29,767	32,150
Natural sciences .....	9,139	9,295	9,637	10,056	10,366	11,168	11,368	11,698	13,156
Physical science <sup>1</sup> .....	1,457	1,457	1,562	1,658	1,735	1,886	1,821	1,934	1,728
Mathematical science .....	1,486	1,562	1,616	1,567	1,641	1,569	1,545	1,493	1,534
Computer science .....	2,761	2,646	2,756	2,694	2,702	2,723	2,855	3,270	4,629
Biological science .....	2,491	2,500	2,433	2,742	2,807	3,282	3,449	3,289	3,442
Agricultural science .....	944	1,130	1,270	1,395	1,481	1,708	1,698	1,712	1,823
Social sciences .....	12,584	13,456	14,583	16,142	17,631	17,882	18,454	18,069	18,994
Social science .....	5,776	6,180	6,605	7,285	7,520	7,848	7,881	7,894	8,011
Psychology .....	6,808	7,276	7,978	8,857	10,111	10,034	10,573	10,175	10,983
Non-S&E <sup>2</sup> .....	156,523	165,492	172,907	181,627	187,602	194,770	204,981	211,885	227,537
U.S. citizens and permanent residents, total <sup>3</sup>									
Total, all fields .....	169,142	178,493	185,932	195,881	202,633	210,372	220,221	226,085	242,244
Science and engineering .....	21,112	22,114	23,528	25,501	27,326	28,183	28,814	28,584	29,713
Engineering .....	2,510	2,761	2,997	3,210	3,297	3,360	3,246	3,435	3,312
Sciences .....	18,602	19,353	20,531	22,291	24,029	24,823	25,568	25,149	26,401
Natural sciences .....	7,096	7,066	7,147	7,466	7,823	8,483	8,679	8,697	9,252
Physical science <sup>1</sup> .....	1,023	1,030	1,078	1,124	1,202	1,338	1,315	1,415	1,288
Mathematical science .....	1,110	1,162	1,229	1,210	1,269	1,198	1,207	1,129	1,040
Computer science .....	2,086	1,857	1,788	1,730	1,727	1,739	1,756	1,895	2,329
Biological science .....	2,112	2,090	1,990	2,271	2,379	2,760	2,951	2,790	2,991
Agricultural science .....	765	927	1,062	1,131	1,246	1,448	1,450	1,468	1,604
Social sciences .....	11,506	12,287	13,384	14,825	16,206	16,340	16,889	16,452	17,149
Social science .....	4,911	5,218	5,627	6,199	6,431	6,621	6,606	6,630	6,523
Psychology .....	6,595	7,069	7,757	8,626	9,775	9,719	10,283	9,822	10,626
Non-S&E <sup>2</sup> .....	148,030	156,379	162,404	170,380	175,307	182,189	191,407	197,501	212,531
White, non-Hispanics									
Total, all fields .....	139,607	146,265	151,951	157,155	160,782	165,154	170,411	173,498	179,311
Science and engineering .....	16,879	17,536	18,482	19,865	20,953	21,200	21,358	20,981	20,910
Engineering .....	1,893	1,977	2,143	2,237	2,240	2,190	2,105	2,217	2,036
Sciences .....	14,986	15,559	16,339	17,628	18,713	19,010	19,253	18,764	18,874
Natural sciences .....	5,514	5,461	5,485	5,560	5,758	6,243	6,243	6,257	6,387
Physical science <sup>1</sup> .....	830	833	849	893	923	1,038	1,001	1,085	1,007
Mathematical science .....	899	947	1,022	959	988	901	906	835	768
Computer science .....	1,377	1,171	1,138	977	974	943	890	936	1,030
Biological science .....	1,724	1,685	1,551	1,810	1,849	2,122	2,234	2,148	2,229
Agricultural science .....	684	825	925	921	1,024	1,239	1,212	1,253	1,353
Social sciences .....	9,472	10,098	10,854	12,068	12,955	12,767	13,010	12,507	12,487
Social science .....	3,919	4,247	4,470	4,878	4,950	5,049	4,922	4,956	4,689
Psychology .....	5,553	5,851	6,384	7,190	8,005	7,718	8,088	7,551	7,798
Non-S&E <sup>2</sup> .....	122,728	128,729	133,469	137,290	139,829	143,954	149,053	152,517	158,401

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Asians/Pacific Islanders									
Total, all fields .....	4,850	5,470	6,044	6,768	7,521	8,404	9,327	10,298	11,307
Science and engineering .....	1,351	1,487	1,609	1,861	1,950	2,216	2,392	2,471	2,825
Engineering .....	323	407	441	511	549	621	561	627	660
Sciences .....	1,028	1,080	1,168	1,350	1,401	1,595	1,831	1,844	2,165
Natural sciences .....	704	747	769	880	921	1,044	1,163	1,176	1,404
Physical science <sup>1</sup> .....	86	89	99	102	101	136	140	128	108
Mathematical science .....	81	98	76	107	105	103	123	104	108
Computer science .....	387	400	396	443	454	462	513	618	831
Biological science .....	127	139	169	181	208	282	314	286	299
Agricultural science .....	23	21	29	47	53	61	73	40	58
Social sciences .....	324	333	399	470	480	551	668	668	761
Social science .....	201	212	258	274	261	299	380	367	386
Psychology .....	123	121	141	196	219	252	288	301	375
Non-S&E <sup>2</sup> .....	3,499	3,983	4,435	4,907	5,571	6,188	6,935	7,827	8,482
Underrepresented minorities, total									
Total, all fields .....	16,459	18,228	19,709	22,587	24,417	26,940	29,545	31,289	37,116
Science and engineering .....	1,897	2,020	2,262	2,672	3,080	3,355	3,661	3,758	4,204
Engineering .....	195	221	271	316	337	383	408	430	424
Sciences .....	1,702	1,799	1,991	2,356	2,743	2,972	3,253	3,328	3,780
Natural sciences .....	531	530	594	670	720	768	851	835	944
Physical science <sup>1</sup> .....	58	65	89	90	110	108	128	138	113
Mathematical science .....	82	55	82	79	115	108	107	126	99
Computer science .....	181	197	176	215	200	229	234	220	304
Biological science .....	170	170	180	172	213	236	280	226	302
Agricultural science .....	40	43	67	114	82	87	102	125	126
Social sciences .....	1,171	1,269	1,397	1,686	2,023	2,204	2,402	2,493	2,836
Social science .....	549	562	610	751	841	909	910	972	1,040
Psychology .....	622	707	787	935	1,182	1,295	1,492	1,521	1,796
Non-S&E <sup>2</sup> .....	14,562	16,208	17,447	19,915	21,337	23,585	25,884	27,531	32,912
Black, non-Hispanics									
Total, all fields .....	10,238	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996
Science and engineering .....	1,062	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436
Engineering .....	99	134	157	167	201	210	225	244	207
Sciences .....	963	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229
Natural sciences .....	306	317	330	386	447	465	526	472	525
Physical science <sup>1</sup> .....	30	32	47	53	61	57	70	65	59
Mathematical science .....	47	33	50	47	87	73	80	79	55
Computer science .....	133	141	115	160	148	174	169	147	216
Biological science .....	79	88	88	94	112	122	167	122	148
Agricultural science .....	17	23	30	32	39	39	40	59	47
Social sciences .....	657	739	814	920	1,157	1,278	1,449	1,394	1,704
Social science .....	332	345	385	445	512	574	584	581	628
Psychology .....	325	394	429	475	645	704	865	813	1,076
Non-S&E <sup>2</sup> .....	9,176	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Hispanics									
Total, all fields .....	5,560	5,875	6,496	7,694	8,180	9,322	9,894	10,568	12,799
Science and engineering .....	744	740	837	1,087	1,127	1,252	1,306	1,475	1,603
Engineering .....	90	80	101	137	133	168	176	178	201
Sciences .....	654	660	736	950	994	1,084	1,130	1,297	1,402
Natural sciences .....	200	194	233	266	242	275	285	322	384
Physical science <sup>1</sup> .....	23	29	38	34	41	47	53	62	49
Mathematical science .....	33	19	28	31	22	34	21	40	40
Computer science .....	44	51	58	49	47	48	56	70	79
Biological science .....	82	77	75	73	92	106	101	92	142
Agricultural science .....	18	18	34	79	40	40	54	58	74
Social sciences .....	454	466	503	684	752	809	845	975	1,018
Social science .....	187	178	192	267	270	276	282	343	357
Psychology .....	267	288	311	417	482	533	563	632	661
Non-S&E <sup>2</sup> .....	4,816	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196
American Indians or Alaskan Natives									
Total, all fields .....	661	727	788	964	919	1,028	1,147	1,212	1,321
Science and engineering .....	91	90	124	112	148	150	155	173	165
Engineering .....	6	7	13	12	3	5	7	8	16
Sciences .....	85	83	111	100	145	145	148	165	149
Natural sciences .....	25	19	31	18	31	28	40	41	35
Physical science <sup>1</sup> .....	5	4	4	3	8	4	5	11	5
Mathematical science .....	2	3	4	1	6	1	6	7	4
Computer science .....	4	5	3	6	5	7	9	3	9
Biological science .....	9	5	17	5	9	8	12	12	12
Agricultural science .....	5	2	3	3	3	8	8	8	5
Social sciences .....	60	64	80	82	114	117	108	124	114
Social science .....	30	39	33	39	59	59	44	48	55
Psychology .....	30	25	47	43	55	58	64	76	59
Non-S&E <sup>2</sup> .....	570	637	664	852	771	878	992	1,039	1,156
U.S. citizens and permanent residents, unknown race/ethnicity									
Total, all fields .....	8,226	8,530	8,228	9,371	9,913	9,874	10,938	11,000	14,510
Science and engineering .....	985	1,071	1,175	1,103	1,343	1,412	1,403	1,374	1,774
Engineering .....	99	156	142	146	171	166	172	161	192
Sciences .....	886	915	1,033	957	1,172	1,246	1,231	1,213	1,582
Natural sciences .....	347	328	299	356	424	428	422	429	517
Physical science <sup>1</sup> .....	49	43	41	39	68	56	46	64	60
Mathematical science .....	48	62	49	65	61	86	71	64	65
Computer science .....	141	89	78	95	99	105	119	121	164
Biological science .....	91	96	90	108	109	120	123	130	161
Agricultural science .....	18	38	41	49	87	61	63	50	67
Social sciences .....	539	587	734	601	748	818	809	784	1,065
Social science .....	242	197	289	296	379	364	394	335	408
Psychology .....	297	390	445	305	369	454	415	449	657
Non-S&E <sup>2</sup> .....	7,241	7,459	7,053	8,268	8,570	8,462	9,535	9,626	12,736

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Nonresident aliens <sup>4</sup>								
Total, all fields .....	12,461	13,415	15,288	16,365	17,597	18,200	19,276	20,725	22,782
Science and engineering .....	3,968	4,302	4,785	5,118	5,302	5,619	5,702	6,341	7,776
Engineering .....	847	904	1,096	1,211	1,334	1,392	1,448	1,723	2,027
Sciences .....	3,121	3,398	3,689	3,907	3,968	4,227	4,254	4,618	5,749
Natural sciences .....	2,043	2,229	2,490	2,590	2,543	2,685	2,689	3,001	3,904
Physical science <sup>1</sup> .....	434	427	484	534	533	548	506	519	440
Mathematical science .....	376	400	387	357	372	371	338	364	494
Computer science .....	675	789	968	964	975	984	1,099	1,375	2,300
Biological science .....	379	410	443	471	428	522	498	499	451
Agricultural science .....	179	203	208	264	235	260	248	244	219
Social sciences .....	1,078	1,169	1,199	1,317	1,425	1,542	1,565	1,617	1,845
Social science .....	865	962	978	1,086	1,089	1,227	1,275	1,264	1,488
Psychology .....	213	207	221	231	336	315	290	353	357
Non-S&E <sup>2</sup> .....	8,493	9,113	10,503	11,247	12,295	12,581	13,574	14,384	15,006

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total										
Total, all fields .....	37,534	38,890	39,800	41,034	41,742	42,413	42,545	42,634	41,060	41,368
Science and engineering .....	24,023	24,675	25,443	26,205	26,534	27,228	27,240	27,277	25,913	25,979
Engineering .....	5,214	5,438	5,698	5,822	6,008	6,305	6,114	5,927	5,328	5,330
Sciences .....	18,809	19,237	19,745	20,383	20,526	20,923	21,126	21,350	20,585	20,649
Natural sciences .....	12,003	12,364	12,556	13,103	13,219	13,434	13,447	13,619	12,865	12,875
Physical science <sup>1</sup> .....	4,441	4,575	4,470	4,801	4,621	4,631	4,646	4,637	4,383	4,168
Mathematical science .....	1,039	1,058	1,146	1,118	1,190	1,122	1,123	1,177	1,083	1,048
Computer science .....	800	869	880	903	997	921	910	925	853	861
Biological science .....	4,650	4,799	5,092	5,203	5,375	5,723	5,786	5,843	5,581	5,855
Agricultural science .....	1,073	1,063	968	1,078	1,036	1,037	982	1,037	965	943
Social sciences .....	6,806	6,873	7,189	7,280	7,307	7,489	7,679	7,731	7,720	7,774
Social science .....	3,556	3,610	3,769	3,901	3,878	3,998	4,111	4,055	4,061	4,151
Psychology .....	3,250	3,263	3,420	3,379	3,429	3,491	3,568	3,676	3,659	3,623
Non-S&E <sup>2</sup> .....	13,511	14,215	14,357	14,829	15,208	15,185	15,305	15,357	15,147	15,389
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	27,430	27,990	28,707	30,894	32,058	31,517	31,081	31,134	29,942	29,837
Science and engineering .....	15,914	15,942	16,573	18,187	18,996	18,638	18,399	18,245	17,452	17,064
Engineering .....	2,474	2,520	2,697	3,053	3,342	3,387	3,329	3,044	2,876	2,556
Sciences .....	13,440	13,422	13,876	15,134	15,654	15,251	15,070	15,201	14,576	14,508
Natural sciences .....	8,032	8,035	8,191	9,306	9,749	9,230	9,059	9,088	8,484	8,380
Physical science <sup>1</sup> .....	2,918	2,898	2,834	3,402	3,435	3,127	3,104	3,014	2,794	2,593
Mathematical science .....	518	507	590	657	771	648	629	669	603	568
Computer science .....	451	489	509	543	616	514	521	558	483	458
Biological science .....	3,525	3,568	3,752	4,088	4,329	4,365	4,254	4,304	4,113	4,260
Agricultural science .....	620	573	506	616	598	576	551	543	491	501
Social sciences .....	5,408	5,387	5,685	5,828	5,905	6,021	6,011	6,113	6,092	6,128
Social science .....	2,390	2,401	2,524	2,692	2,721	2,793	2,876	2,839	2,854	2,907
Psychology .....	3,018	2,986	3,161	3,136	3,184	3,228	3,135	3,274	3,238	3,221
Non-S&E <sup>2</sup> .....	11,516	12,048	12,134	12,707	13,062	12,879	12,682	12,889	12,490	12,773
White, non-Hispanics										
Total, all fields .....	23,186	23,626	24,052	24,595	24,721	24,690	23,953	24,285	23,706	23,651
Science and engineering .....	13,324	13,327	13,737	13,890	13,906	14,007	13,827	14,008	13,660	13,415
Engineering .....	1,837	1,880	2,025	2,020	2,093	2,262	2,287	2,170	2,103	1,878
Sciences .....	11,487	11,447	11,712	11,870	11,813	11,745	11,540	11,838	11,557	11,537
Natural sciences .....	6,886	6,823	6,836	7,003	6,966	6,790	6,779	6,977	6,643	6,632
Physical science <sup>1</sup> .....	2,526	2,459	2,366	2,529	2,388	2,336	2,370	2,376	2,265	2,117
Mathematical science .....	419	425	476	479	535	479	479	526	505	460
Computer science .....	355	378	410	401	452	356	361	411	348	337
Biological science .....	3,041	3,068	3,146	3,107	3,118	3,175	3,158	3,246	3,127	3,306
Agricultural science .....	545	493	438	487	473	444	411	418	398	412
Social sciences .....	4,601	4,624	4,876	4,867	4,847	4,955	4,761	4,861	4,914	4,905
Social science .....	1,949	1,988	2,069	2,137	2,120	2,211	2,238	2,211	2,246	2,304
Psychology .....	2,652	2,636	2,807	2,730	2,727	2,744	2,523	2,650	2,668	2,601
Non-S&E <sup>2</sup> .....	9,862	10,299	10,315	10,705	10,815	10,683	10,126	10,277	10,046	10,236

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Asians/Pacific Islanders										
Total, all fields .....	1,531	1,764	2,017	3,546	4,309	3,699	3,120	2,722	2,515	2,315
Science and engineering .....	1,180	1,345	1,610	2,989	3,669	3,095	2,538	2,143	1,949	1,736
Engineering .....	405	451	527	867	1,033	897	707	556	516	447
Sciences .....	775	894	1,083	2,122	2,636	2,198	1,831	1,587	1,433	1,289
Natural sciences .....	597	698	842	1,740	2,202	1,802	1,465	1,251	1,102	960
Physical science <sup>1</sup> .....	189	254	287	689	855	580	474	384	296	232
Mathematical science .....	57	52	79	142	208	140	97	71	58	70
Computer science .....	66	86	77	117	137	111	108	91	86	77
Biological science .....	261	269	370	720	924	890	723	658	617	550
Agricultural science .....	24	37	29	72	78	81	63	47	45	31
Social sciences .....	178	196	241	382	434	396	366	336	331	329
Social science .....	119	137	168	273	312	272	239	222	202	180
Psychology .....	59	59	73	109	122	124	127	114	129	149
Non-S&E <sup>2</sup> .....	351	419	407	557	640	604	582	579	566	579
Underrepresented minorities, total										
Total, all fields .....	2,166	2,174	2,372	2,452	2,677	2,747	2,847	3,115	3,235	3,223
Science and engineering .....	1,013	990	1,054	1,112	1,191	1,291	1,358	1,495	1,542	1,520
Engineering .....	122	131	118	126	156	186	210	207	191	171
Sciences .....	891	859	936	986	1,035	1,105	1,148	1,288	1,351	1,349
Natural sciences .....	375	374	418	475	466	497	528	578	590	601
Physical science <sup>1</sup> .....	129	132	146	157	139	157	157	148	179	178
Mathematical science .....	20	18	25	26	22	19	28	46	28	30
Computer science .....	21	15	14	18	17	32	22	31	33	32
Biological science .....	169	177	196	226	248	246	264	290	309	313
Agricultural science .....	36	32	37	48	40	43	57	63	41	48
Social sciences .....	516	485	518	511	569	608	620	710	761	748
Social science .....	251	231	253	242	259	263	276	315	345	339
Psychology .....	265	254	265	269	310	345	344	395	416	409
Non-S&E <sup>2</sup> .....	1,153	1,184	1,318	1,340	1,486	1,456	1,489	1,620	1,693	1,703
Black, non-Hispanics										
Total, all fields .....	1,166	1,116	1,280	1,279	1,475	1,456	1,488	1,602	1,728	1,775
Science and engineering .....	464	408	469	500	560	576	623	646	716	728
Engineering .....	55	49	50	54	71	74	98	84	97	83
Sciences .....	409	359	419	446	489	502	525	562	619	645
Natural sciences .....	135	116	150	174	187	207	207	224	250	242
Physical science <sup>1</sup> .....	35	31	45	52	46	64	60	65	80	69
Mathematical science .....	11	4	8	11	5	8	7	16	12	14
Computer science .....	8	5	6	10	11	12	4	14	18	18
Biological science .....	64	62	75	79	108	98	111	110	116	123
Agricultural science .....	17	14	16	22	17	25	25	19	24	18
Social sciences .....	274	243	269	272	302	295	318	338	369	403
Social science .....	144	137	150	148	151	141	162	182	196	210
Psychology .....	130	106	119	124	151	154	156	156	173	193
Non-S&E <sup>2</sup> .....	702	708	811	779	915	880	865	956	1,012	1,047

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Hispanics										
Total, all fields .....	868	909	972	1,030	1,054	1,103	1,193	1,324	1,290	1,279
Science and engineering .....	493	513	542	548	563	618	656	753	710	704
Engineering .....	61	71	66	66	76	97	95	110	82	80
Sciences .....	432	442	476	482	487	521	561	643	628	624
Natural sciences .....	212	228	249	274	253	251	295	314	300	321
Physical science <sup>1</sup> .....	81	88	92	98	86	85	85	70	83	95
Mathematical science .....	9	12	16	13	15	10	20	27	15	14
Computer science .....	12	8	7	7	6	16	17	14	14	13
Biological science .....	95	102	114	131	125	128	146	168	173	173
Agricultural science .....	15	18	20	25	21	12	27	35	15	26
Social sciences .....	220	214	227	208	234	270	266	329	328	303
Social science .....	98	81	96	75	89	97	96	121	120	109
Psychology .....	122	133	131	133	145	173	170	208	208	194
Non-S&E <sup>2</sup> .....	375	396	430	482	491	485	537	571	580	575
American Indians or Alaskan Natives										
Total, all fields .....	132	149	120	143	148	188	166	189	217	169
Science and engineering .....	56	69	43	64	68	97	79	96	116	88
Engineering .....	6	11	2	6	9	15	17	13	12	8
Sciences .....	50	58	41	58	59	82	62	83	104	80
Natural sciences .....	28	30	19	27	26	39	26	40	40	38
Physical science <sup>1</sup> .....	13	13	9	7	7	8	12	13	16	14
Mathematical science .....	0	2	1	2	2	1	1	3	1	2
Computer science .....	1	2	1	1	0	4	1	3	1	1
Biological science .....	10	13	7	16	15	20	7	12	20	17
Agricultural science .....	4	0	1	1	2	6	5	9	2	4
Social sciences .....	22	28	22	31	33	43	36	43	64	42
Social science .....	9	13	7	19	19	25	18	12	29	20
Psychology .....	13	15	15	12	14	18	18	31	35	22
Non-S&E <sup>2</sup> .....	76	80	77	79	80	91	87	93	101	81
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	547	426	266	301	351	381	1,161	1,012	486	648
Science and engineering .....	397	280	172	196	230	245	676	599	301	393
Engineering .....	110	58	27	40	60	42	125	111	66	60
Sciences .....	287	222	145	156	170	203	551	488	235	333
Natural sciences .....	174	140	95	88	115	141	287	282	149	187
Physical science <sup>1</sup> .....	74	53	35	27	53	54	103	106	54	66
Mathematical science .....	22	12	10	10	6	10	25	26	12	8
Computer science .....	9	10	8	7	10	15	30	25	16	12
Biological science .....	54	54	40	35	39	54	109	110	60	91
Agricultural science .....	15	11	2	9	7	8	20	15	7	10
Social sciences .....	113	82	50	68	55	62	264	206	86	146
Social science .....	71	45	34	40	30	47	123	91	61	84
Psychology .....	42	37	16	28	25	15	141	115	25	62
Non-S&E <sup>2</sup> .....	150	146	94	105	121	136	485	413	185	255

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nonresident aliens <sup>4</sup>										
Total, all fields .....	9,311	9,953	9,932	9,406	8,810	9,614	9,179	9,493	9,057	9,648
Science and engineering .....	7,641	8,092	8,113	7,521	6,993	7,806	7,499	7,774	7,236	7,648
Engineering .....	2,633	2,743	2,784	2,653	2,524	2,720	2,551	2,582	2,190	2,444
Sciences .....	5,008	5,349	5,329	4,868	4,469	5,086	4,948	5,192	5,046	5,204
Natural sciences .....	3,782	4,089	4,056	3,606	3,247	3,844	3,794	3,989	3,889	3,967
Physical science <sup>1</sup> .....	1,442	1,582	1,498	1,304	1,103	1,345	1,312	1,418	1,369	1,358
Mathematical science .....	506	511	517	448	382	442	441	447	444	442
Computer science .....	340	365	348	343	365	376	330	329	331	361
Biological science .....	1,059	1,159	1,246	1,058	968	1,240	1,320	1,333	1,286	1,390
Agricultural science .....	435	472	447	453	429	441	391	462	459	416
Social sciences .....	1,226	1,260	1,273	1,262	1,222	1,242	1,154	1,203	1,157	1,237
Social science .....	1,093	1,104	1,125	1,111	1,058	1,061	1,017	1,035	1,004	1,073
Psychology .....	133	156	148	151	164	181	137	168	153	164
Non-S&E <sup>2</sup> .....	1,670	1,861	1,819	1,885	1,817	1,808	1,680	1,719	1,821	2,000
Citizenship unknown										
Total, all fields .....	793	947	1,161	734	874	1,282	2,285	2,007	2,061	1,883
Science and engineering .....	468	641	757	497	545	784	1,342	1,258	1,225	1,267
Engineering .....	107	175	217	116	142	198	234	301	262	330
Sciences .....	361	466	540	381	403	586	1,108	957	963	937
Natural sciences .....	189	240	309	191	223	360	594	542	492	528
Physical science <sup>1</sup> .....	81	95	138	95	83	159	230	205	220	217
Mathematical science .....	15	40	39	13	37	32	53	61	36	38
Computer science .....	9	15	23	17	16	31	59	38	39	42
Biological science .....	66	72	94	57	78	118	212	206	182	205
Agricultural science .....	18	18	15	9	9	20	40	32	15	26
Social sciences .....	172	226	231	190	180	226	514	415	471	409
Social science .....	73	105	120	98	99	144	218	181	203	171
Psychology .....	99	121	111	92	81	82	296	234	268	238
Non-S&E <sup>2</sup> .....	325	306	404	237	329	498	943	749	836	616

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total										
Total, all fields .....	23,525	24,235	24,384	25,059	25,158	25,273	24,939	24,634	23,418	23,173
Science and engineering .....	16,986	17,422	17,568	18,165	18,116	18,444	18,081	17,814	16,725	16,525
Engineering .....	4,703	4,860	5,097	5,150	5,270	5,485	5,313	5,115	4,499	4,463
Sciences .....	12,283	12,562	12,471	13,015	12,846	12,959	12,768	12,699	12,226	12,062
Natural sciences .....	8,804	8,950	8,834	9,307	9,214	9,280	9,124	9,137	8,669	8,493
Physical science <sup>1</sup> .....	3,565	3,586	3,482	3,763	3,552	3,582	3,554	3,470	3,325	3,090
Mathematical science .....	836	841	865	879	919	881	851	872	803	789
Computer science .....	679	747	737	762	808	776	744	763	690	717
Biological science .....	2,864	2,952	3,014	3,076	3,131	3,286	3,260	3,294	3,170	3,228
Agricultural science .....	860	824	736	827	804	755	715	738	681	669
Social sciences .....	3,479	3,612	3,637	3,708	3,632	3,679	3,644	3,562	3,557	3,569
Social science .....	2,230	2,284	2,315	2,435	2,386	2,519	2,480	2,354	2,349	2,364
Psychology .....	1,249	1,328	1,322	1,273	1,246	1,160	1,164	1,208	1,208	1,205
Non-S&E <sup>2</sup> .....	6,539	6,813	6,816	6,894	7,042	6,829	6,858	6,820	6,693	6,648
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	15,608	15,808	15,980	17,368	17,872	17,192	16,877	16,531	15,750	15,244
Science and engineering .....	10,314	10,363	10,543	11,692	12,082	11,675	11,390	11,064	10,442	9,948
Engineering .....	2,158	2,192	2,348	2,604	2,822	2,862	2,815	2,587	2,384	2,072
Sciences .....	8,156	8,171	8,195	9,088	9,260	8,813	8,575	8,477	8,058	7,876
Natural sciences .....	5,687	5,585	5,557	6,389	6,575	6,138	5,950	5,886	5,465	5,267
Physical science <sup>1</sup> .....	2,306	2,236	2,193	2,633	2,582	2,387	2,351	2,238	2,090	1,879
Mathematical science .....	406	390	425	506	588	503	452	470	411	404
Computer science .....	357	406	399	449	473	423	420	434	379	372
Biological science .....	2,135	2,130	2,168	2,345	2,469	2,424	2,332	2,384	2,254	2,276
Agricultural science .....	483	423	372	456	463	401	395	360	331	336
Social sciences .....	2,469	2,586	2,638	2,699	2,685	2,675	2,625	2,591	2,593	2,609
Social science .....	1,343	1,380	1,417	1,530	1,557	1,630	1,609	1,531	1,539	1,564
Psychology .....	1,126	1,206	1,221	1,169	1,128	1,045	1,016	1,060	1,054	1,045
Non-S&E <sup>2</sup> .....	5,294	5,445	5,437	5,676	5,790	5,517	5,487	5,467	5,308	5,296
White, non-Hispanics										
Total, all fields .....	13,153	13,280	13,347	13,557	13,534	13,233	12,991	12,896	12,596	12,274
Science and engineering .....	8,585	8,624	8,724	8,732	8,683	8,652	8,558	8,519	8,232	7,909
Engineering .....	1,602	1,640	1,764	1,715	1,772	1,915	1,955	1,864	1,751	1,549
Sciences .....	6,983	6,984	6,960	7,017	6,911	6,737	6,603	6,655	6,481	6,360
Natural sciences .....	4,911	4,780	4,705	4,810	4,731	4,546	4,518	4,580	4,366	4,237
Physical science <sup>1</sup> .....	2,001	1,928	1,868	1,998	1,832	1,796	1,828	1,788	1,744	1,557
Mathematical science .....	335	332	352	361	409	374	344	376	347	334
Computer science .....	282	309	327	326	348	295	295	327	278	275
Biological science .....	1,871	1,847	1,835	1,758	1,773	1,774	1,758	1,811	1,723	1,794
Agricultural science .....	422	364	323	367	369	307	293	278	274	277
Social sciences .....	2,072	2,204	2,255	2,207	2,180	2,191	2,085	2,075	2,115	2,123
Social science .....	1,081	1,126	1,160	1,178	1,197	1,284	1,253	1,188	1,210	1,246
Psychology .....	991	1,078	1,095	1,029	983	907	832	887	905	877
Non-S&E <sup>2</sup> .....	4,568	4,656	4,623	4,825	4,851	4,581	4,433	4,377	4,364	4,365

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Asians/Pacific Islanders										
Total, all fields .....	971	1,135	1,284	2,467	2,865	2,402	1,889	1,632	1,484	1,265
Science and engineering .....	805	926	1,077	2,168	2,554	2,112	1,643	1,373	1,225	1,046
Engineering .....	356	390	466	747	863	763	588	455	430	338
Sciences .....	449	536	611	1,421	1,691	1,349	1,055	918	795	708
Natural sciences .....	372	433	500	1,214	1,456	1,156	889	768	656	564
Physical science <sup>1</sup> .....	134	165	182	494	616	423	320	261	190	149
Mathematical science .....	39	33	43	116	158	104	69	44	36	49
Computer science .....	51	74	57	101	107	95	82	68	67	62
Biological science .....	132	136	198	451	513	483	373	366	335	282
Agricultural science .....	16	25	20	52	62	51	45	29	28	22
Social sciences .....	77	103	111	207	235	193	166	150	139	144
Social science .....	62	83	89	175	192	162	134	121	105	96
Psychology .....	15	20	22	32	43	31	32	29	34	48
Non-S&E <sup>2</sup> .....	166	209	207	299	311	290	246	259	259	219
Underrepresented minorities, total										
Total, all fields .....	1,085	1,083	1,156	1,142	1,232	1,304	1,343	1,398	1,358	1,325
Science and engineering .....	614	588	606	642	668	731	769	777	764	737
Engineering .....	102	107	95	105	130	150	161	168	142	130
Sciences .....	512	481	511	537	538	581	608	609	622	607
Natural sciences .....	261	253	275	298	300	327	345	327	333	328
Physical science <sup>1</sup> .....	107	97	112	119	92	123	124	95	113	122
Mathematical science .....	12	14	22	20	16	17	20	30	17	15
Computer science .....	16	13	8	15	9	20	18	22	20	24
Biological science .....	94	105	105	114	154	131	139	136	158	139
Agricultural science .....	32	24	28	30	29	36	44	44	25	28
Social sciences .....	251	228	236	239	238	254	263	282	289	279
Social science .....	150	139	141	145	145	153	151	170	181	177
Psychology .....	101	89	95	94	93	101	112	112	108	102
Non-S&E <sup>2</sup> .....	471	495	550	500	564	573	574	621	594	588
Black, non-Hispanics										
Total, all fields .....	552	519	579	553	615	641	641	613	694	650
Science and engineering .....	270	238	261	284	290	323	332	296	349	324
Engineering .....	47	43	39	41	56	55	75	62	73	58
Sciences .....	223	195	222	243	234	268	257	234	276	266
Natural sciences .....	88	80	99	104	115	147	126	102	127	121
Physical science <sup>1</sup> .....	29	24	35	38	28	49	48	31	46	44
Mathematical science .....	7	4	7	8	4	6	5	9	6	7
Computer science .....	4	4	2	8	7	9	3	6	9	13
Biological science .....	32	38	43	34	65	58	51	41	50	47
Agricultural science .....	16	10	12	16	11	25	19	15	16	10
Social sciences .....	135	115	123	139	119	121	131	132	149	145
Social science .....	91	87	79	93	80	82	88	89	109	100
Psychology .....	44	28	44	46	39	39	43	43	40	45
Non-S&E <sup>2</sup> .....	282	281	318	269	325	318	309	317	345	326

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Hispanics										
Total, all fields .....	459	482	517	518	537	560	624	681	567	599
Science and engineering .....	307	308	320	318	336	346	392	427	355	370
Engineering .....	51	56	54	60	65	82	72	97	59	68
Sciences .....	256	252	266	258	271	264	320	330	296	302
Natural sciences .....	152	151	162	174	167	157	198	197	184	181
Physical science <sup>1</sup> .....	68	62	70	75	59	67	65	53	57	67
Mathematical science .....	5	9	14	10	11	10	14	20	10	7
Computer science .....	11	7	6	7	2	9	15	13	11	10
Biological science .....	56	59	57	69	79	62	84	89	98	82
Agricultural science .....	12	14	15	13	16	9	20	22	8	15
Social sciences .....	104	101	104	84	104	107	122	133	112	121
Social science .....	52	46	59	41	56	54	59	77	56	67
Psychology .....	52	55	45	43	48	53	63	56	56	54
Non-S&E <sup>2</sup> .....	152	174	197	200	201	214	232	254	212	229
American Indians or Alaskan Natives										
Total, all fields .....	74	82	60	71	80	103	78	104	97	76
Science and engineering .....	37	42	25	40	42	62	45	54	60	43
Engineering .....	4	8	2	4	9	13	14	9	10	4
Sciences .....	33	34	23	36	33	49	31	45	50	39
Natural sciences .....	21	22	14	20	18	23	21	28	22	26
Physical science <sup>1</sup> .....	10	11	7	6	5	7	11	11	10	11
Mathematical science .....	0	1	1	2	1	1	1	1	1	1
Computer science .....	1	2	0	0	0	2	0	3	0	1
Biological science .....	6	8	5	11	10	11	4	6	10	10
Agricultural science .....	4	0	1	1	2	2	5	7	1	3
Social sciences .....	12	12	9	16	15	26	10	17	28	13
Social science .....	7	6	3	11	9	17	4	4	16	10
Psychology .....	5	6	6	5	6	9	6	13	12	3
Non-S&E <sup>2</sup> .....	37	40	35	31	38	41	33	50	37	33
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	399	310	193	202	241	253	654	605	312	380
Science and engineering .....	310	225	136	150	177	180	420	395	221	256
Engineering .....	98	55	23	37	57	34	111	100	61	55
Sciences .....	212	170	113	113	120	146	309	295	160	201
Natural sciences .....	143	119	77	67	88	109	198	211	110	138
Physical science <sup>1</sup> .....	64	46	31	22	42	45	79	94	43	51
Mathematical science .....	20	11	8	9	5	8	19	20	11	6
Computer science .....	8	10	7	7	9	13	25	17	14	11
Biological science .....	38	42	30	22	29	36	62	71	38	61
Agricultural science .....	13	10	1	7	3	7	13	9	4	9
Social sciences .....	69	51	36	46	32	37	111	84	50	63
Social science .....	50	32	27	32	23	31	71	52	43	45
Psychology .....	19	19	9	14	9	6	40	32	7	18
Non-S&E <sup>2</sup> .....	89	85	57	52	64	73	234	210	91	124

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nonresident aliens <sup>4</sup>										
Total, all fields .....	7,506	7,946	7,835	7,306	6,841	7,389	6,961	7,005	6,630	6,839
Science and engineering .....	6,404	6,727	6,636	6,185	5,737	6,304	5,966	6,005	5,587	5,783
Engineering .....	2,481	2,572	2,618	2,469	2,362	2,490	2,336	2,301	1,930	2,141
Sciences .....	3,923	4,155	4,018	3,716	3,375	3,814	3,630	3,704	3,657	3,642
Natural sciences .....	3,001	3,222	3,116	2,792	2,514	2,930	2,820	2,913	2,885	2,868
Physical science <sup>1</sup> .....	1,205	1,292	1,214	1,063	920	1,099	1,049	1,096	1,075	1,049
Mathematical science .....	420	427	421	364	304	359	366	362	366	359
Computer science .....	317	329	321	301	322	335	292	306	283	312
Biological science .....	693	783	804	698	629	797	816	794	818	836
Agricultural science .....	366	391	356	366	339	340	297	355	343	312
Social sciences .....	922	933	902	924	861	884	810	791	772	774
Social science .....	845	854	839	853	782	797	752	724	702	706
Psychology .....	77	79	63	71	79	87	58	67	70	68
Non-S&E <sup>2</sup> .....	1,102	1,219	1,199	1,121	1,104	1,085	995	1,000	1,043	1,056
Citizenship unknown										
Total, all fields .....	411	481	569	385	445	692	1,101	1,098	1,038	1,090
Science and engineering .....	268	332	389	288	297	465	725	745	696	794
Engineering .....	64	96	131	77	86	133	162	227	185	250
Sciences .....	204	236	258	211	211	332	563	518	511	544
Natural sciences .....	116	143	161	126	125	212	354	338	319	358
Physical science <sup>1</sup> .....	54	58	75	67	50	96	154	136	160	162
Mathematical science .....	10	24	19	9	27	19	33	40	26	26
Computer science .....	5	12	17	12	13	18	32	23	28	33
Biological science .....	36	39	42	33	33	65	112	116	98	116
Agricultural science .....	11	10	8	5	2	14	23	23	7	21
Social sciences .....	88	93	97	85	86	120	209	180	192	186
Social science .....	42	50	59	52	47	92	119	99	108	94
Psychology .....	46	43	38	33	39	28	90	81	84	92
Non-S&E <sup>2</sup> .....	143	149	180	97	148	227	376	353	342	296

- <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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total										
Total, all fields .....	13,873	14,436	15,121	15,820	16,414	16,944	17,246	17,834	17,464	18,121
Science and engineering .....	6,932	7,080	7,652	7,921	8,286	8,646	8,941	9,342	9,071	9,396
Engineering .....	467	506	522	635	696	776	751	773	791	839
Sciences .....	6,465	6,574	7,130	7,286	7,590	7,870	8,190	8,569	8,280	8,557
Natural sciences .....	3,156	3,347	3,620	3,742	3,944	4,081	4,229	4,433	4,145	4,361
Physical science <sup>1</sup> .....	858	958	940	1,011	1,048	1,014	1,062	1,145	1,039	1,066
Mathematical science .....	199	205	264	236	265	231	263	297	277	258
Computer science .....	117	120	138	137	186	139	150	159	156	142
Biological science .....	1,773	1,831	2,050	2,109	2,217	2,415	2,494	2,534	2,393	2,621
Agricultural science .....	209	233	228	249	228	282	260	298	280	274
Social sciences .....	3,309	3,227	3,510	3,544	3,646	3,789	3,961	4,136	4,135	4,196
Social science .....	1,313	1,299	1,422	1,443	1,466	1,461	1,591	1,683	1,694	1,782
Psychology .....	1,996	1,928	2,088	2,101	2,180	2,328	2,370	2,453	2,441	2,414
Non-S&E <sup>2</sup> .....	6,941	7,356	7,469	7,899	8,128	8,298	8,305	8,492	8,393	8,725
U.S. citizens and permanent residents, total <sup>3</sup>										
Total, all fields .....	11,818	12,178	12,719	13,522	14,183	14,325	14,169	14,573	14,192	14,588
Science and engineering .....	5,597	5,577	6,024	6,494	6,912	6,963	6,993	7,163	7,010	7,114
Engineering .....	316	328	348	448	520	525	513	451	492	484
Sciences .....	5,281	5,249	5,676	6,046	6,392	6,438	6,480	6,712	6,518	6,630
Natural sciences .....	2,344	2,449	2,632	2,917	3,172	3,092	3,102	3,196	3,019	3,112
Physical science <sup>1</sup> .....	611	661	641	769	852	740	751	774	704	714
Mathematical science .....	112	117	164	151	183	145	177	198	192	163
Computer science .....	94	83	109	94	143	91	100	123	104	86
Biological science .....	1,390	1,438	1,584	1,743	1,859	1,941	1,919	1,918	1,859	1,984
Agricultural science .....	137	150	134	160	135	175	155	183	160	165
Social sciences .....	2,937	2,800	3,044	3,129	3,220	3,346	3,378	3,516	3,499	3,518
Social science .....	1,047	1,020	1,106	1,162	1,164	1,163	1,266	1,307	1,315	1,343
Psychology .....	1,890	1,780	1,938	1,967	2,056	2,183	2,112	2,209	2,184	2,175
Non-S&E <sup>2</sup> .....	6,221	6,601	6,695	7,028	7,271	7,362	7,176	7,410	7,182	7,474
White, non-Hispanics										
Total, all fields .....	10,032	10,346	10,704	11,036	11,187	11,457	10,959	11,388	11,110	11,377
Science and engineering .....	4,739	4,703	5,012	5,158	5,223	5,355	5,267	5,489	5,428	5,506
Engineering .....	235	240	261	305	321	347	332	306	352	329
Sciences .....	4,504	4,463	4,751	4,853	4,902	5,008	4,935	5,183	5,076	5,177
Natural sciences .....	1,975	2,043	2,131	2,193	2,235	2,244	2,259	2,397	2,277	2,395
Physical science <sup>1</sup> .....	525	531	498	531	556	540	541	588	521	560
Mathematical science .....	84	93	124	118	126	105	135	150	158	126
Computer science .....	73	69	83	75	104	61	66	84	70	62
Biological science .....	1,170	1,221	1,311	1,349	1,345	1,401	1,399	1,435	1,404	1,512
Agricultural science .....	123	129	115	120	104	137	118	140	124	135
Social sciences .....	2,529	2,420	2,620	2,660	2,667	2,764	2,676	2,786	2,799	2,782
Social science .....	868	862	909	959	923	927	985	1,023	1,036	1,058
Psychology .....	1,661	1,558	1,711	1,701	1,744	1,837	1,691	1,763	1,763	1,724
Non-S&E <sup>2</sup> .....	5,293	5,643	5,692	5,878	5,964	6,102	5,692	5,899	5,682	5,871

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Asians/Pacific Islanders										
Total, all fields .....	559	628	730	1,077	1,443	1,297	1,230	1,082	1,031	1,050
Science and engineering .....	374	418	531	820	1,115	983	894	764	724	690
Engineering .....	49	61	61	119	170	134	119	98	86	109
Sciences .....	325	357	470	701	945	849	775	666	638	581
Natural sciences .....	224	264	341	526	746	646	575	480	446	396
Physical science <sup>1</sup> .....	54	88	105	195	239	157	153	121	106	83
Mathematical science .....	18	19	36	26	50	36	28	27	22	21
Computer science .....	15	12	19	16	30	16	26	23	19	15
Biological science .....	129	133	172	269	411	407	350	291	282	268
Agricultural science .....	8	12	9	20	16	30	18	18	17	9
Social sciences .....	101	93	129	175	199	203	200	186	192	185
Social science .....	57	54	78	98	120	110	105	101	97	84
Psychology .....	44	39	51	77	79	93	95	85	95	101
Non-S&E <sup>2</sup> .....	185	210	199	257	328	314	336	318	307	360
Underrepresented minorities, total										
Total, all fields .....	1,081	1,091	1,216	1,310	1,445	1,443	1,504	1,715	1,877	1,898
Science and engineering .....	399	402	448	470	523	560	589	718	778	783
Engineering .....	20	24	23	21	26	36	49	39	49	41
Sciences .....	379	378	425	449	497	524	540	679	729	742
Natural sciences .....	114	121	143	177	166	170	183	251	257	273
Physical science <sup>1</sup> .....	22	35	34	38	47	34	33	53	66	56
Mathematical science .....	8	4	3	6	6	2	8	16	11	15
Computer science .....	5	2	6	3	8	12	4	9	13	8
Biological science .....	75	72	91	112	94	115	125	154	151	174
Agricultural science .....	4	8	9	18	11	7	13	19	16	20
Social sciences .....	265	257	282	272	331	354	357	428	472	469
Social science .....	101	92	112	97	114	110	125	145	164	162
Psychology .....	164	165	170	175	217	244	232	283	308	307
Non-S&E <sup>2</sup> .....	682	689	768	840	922	883	915	997	1,099	1,115
Black, non-Hispanics										
Total, all fields .....	614	597	701	726	860	815	847	988	1,034	1,125
Science and engineering .....	194	170	208	216	270	253	291	350	367	404
Engineering .....	8	6	11	13	15	19	23	22	24	25
Sciences .....	186	164	197	203	255	234	268	328	343	379
Natural sciences .....	47	36	51	70	72	60	81	122	123	121
Physical science <sup>1</sup> .....	6	7	10	14	18	15	12	34	34	25
Mathematical science .....	4	0	1	3	1	2	2	7	6	7
Computer science .....	4	1	4	2	4	3	1	8	9	5
Biological science .....	32	24	32	45	43	40	60	69	66	76
Agricultural science .....	1	4	4	6	6	0	6	4	8	8
Social sciences .....	139	128	146	133	183	174	187	206	220	258
Social science .....	53	50	71	55	71	59	74	93	87	110
Psychology .....	86	78	75	78	112	115	113	113	133	148
Non-S&E <sup>2</sup> .....	420	427	493	510	590	562	556	638	667	721

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Hispanics										
Total, all fields .....	409	427	455	512	517	543	569	642	723	680
Science and engineering .....	186	205	222	230	227	272	264	326	355	334
Engineering .....	10	15	12	6	11	15	23	13	23	12
Sciences .....	176	190	210	224	216	257	241	313	332	322
Natural sciences .....	60	77	87	100	86	94	97	117	116	140
Physical science <sup>1</sup> .....	13	26	22	23	27	18	20	17	26	28
Mathematical science .....	4	3	2	3	4	0	6	7	5	7
Computer science .....	1	1	1	0	4	7	2	1	3	3
Biological science .....	39	43	57	62	46	66	62	79	75	91
Agricultural science .....	3	4	5	12	5	3	7	13	7	11
Social sciences .....	116	113	123	124	130	163	144	196	216	182
Social science .....	46	35	37	34	33	43	37	44	64	42
Psychology .....	70	78	86	90	97	120	107	152	152	140
Non-S&E <sup>2</sup> .....	223	222	233	282	290	271	305	316	368	346
American Indians or Alaskan Natives										
Total, all fields .....	58	67	60	72	68	85	88	85	120	93
Science and engineering .....	19	27	18	24	26	35	34	42	56	45
Engineering .....	2	3	0	2	0	2	3	4	2	4
Sciences .....	17	24	18	22	26	33	31	38	54	41
Natural sciences .....	7	8	5	7	8	16	5	12	18	12
Physical science <sup>1</sup> .....	3	2	2	1	2	1	1	2	6	3
Mathematical science .....	0	1	0	0	1	0	0	2	0	1
Computer science .....	0	0	1	1	0	2	1	0	1	0
Biological science .....	4	5	2	5	5	9	3	6	10	7
Agricultural science .....	0	0	0	0	0	4	0	2	1	1
Social sciences .....	10	16	13	15	18	17	26	26	36	29
Social science .....	2	7	4	8	10	8	14	8	13	10
Psychology .....	8	9	9	7	8	9	12	18	23	19
Non-S&E <sup>2</sup> .....	39	40	42	48	42	50	54	43	64	48
U.S. citizens and permanent residents, unknown race/ethnicity										
Total, all fields .....	146	113	69	99	108	128	476	388	174	263
Science and engineering .....	85	54	33	46	51	65	243	192	80	135
Engineering .....	12	3	3	3	3	8	13	8	5	5
Sciences .....	73	51	30	43	48	57	230	184	75	130
Natural sciences .....	31	21	17	21	25	32	85	68	39	48
Physical science <sup>1</sup> .....	10	7	4	5	10	9	24	12	11	15
Mathematical science .....	2	1	1	1	1	2	6	5	1	1
Computer science .....	1	0	1	0	1	2	4	7	2	1
Biological science .....	16	12	10	13	9	18	45	38	22	30
Agricultural science .....	2	1	1	2	4	1	6	6	3	1
Social sciences .....	42	30	13	22	23	25	145	116	36	82
Social science .....	21	12	7	8	7	16	51	38	18	39
Psychology .....	21	18	6	14	16	9	94	78	18	43
Non-S&E <sup>2</sup> .....	61	59	36	53	57	63	233	196	94	128

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Nonresident aliens <sup>4</sup>										
Total, all fields .....	1,794	1,990	2,069	2,077	1,952	2,214	2,203	2,468	2,423	2,808
Science and engineering .....	1,229	1,351	1,455	1,321	1,245	1,496	1,521	1,754	1,647	1,864
Engineering .....	149	169	161	178	159	228	211	274	259	302
Sciences .....	1,080	1,182	1,294	1,143	1,086	1,268	1,310	1,480	1,388	1,562
Natural sciences .....	779	859	929	805	726	911	969	1,073	1,003	1,099
Physical science <sup>1</sup> .....	236	286	281	238	182	245	259	320	294	309
Mathematical science .....	86	84	95	84	78	83	75	85	77	83
Computer science .....	23	36	26	41	43	41	38	23	48	49
Biological science .....	365	372	437	355	334	441	504	538	468	554
Agricultural science .....	69	81	90	87	89	101	93	107	116	104
Social sciences .....	301	323	365	338	360	357	341	407	385	463
Social science .....	245	248	281	258	275	263	262	306	302	367
Psychology .....	56	75	84	80	85	94	79	101	83	96
Non-S&E <sup>2</sup> .....	565	639	614	756	707	718	682	714	776	944
Citizenship unknown										
Total, all fields .....	261	268	333	221	279	405	874	793	849	725
Science and engineering .....	106	152	173	106	129	187	427	425	414	418
Engineering .....	2	9	13	9	17	23	27	48	40	53
Sciences .....	104	143	160	97	112	164	400	377	374	365
Natural sciences .....	33	39	59	20	46	78	158	164	123	150
Physical science <sup>1</sup> .....	11	11	18	4	14	29	52	51	41	43
Mathematical science .....	1	4	5	1	4	3	11	14	8	12
Computer science .....	0	1	3	2	0	7	12	13	4	7
Biological science .....	18	21	29	11	24	33	71	78	66	83
Agricultural science .....	3	2	4	2	4	6	12	8	4	5
Social sciences .....	71	104	101	77	66	86	242	213	251	215
Social science .....	21	31	35	23	27	35	63	70	77	72
Psychology .....	50	73	66	54	39	51	179	143	174	143
Non-S&E <sup>2</sup> .....	155	116	160	115	150	218	447	368	435	307

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	65,009	71,311	76,667	82,316	85,287	89,554	92,067	95,878	104,212
Science and engineering .....	19,987	22,431	24,421	26,289	27,528	29,055	30,444	31,398	33,462
Engineering .....	2,229	2,362	2,577	2,659	2,845	3,000	3,076	3,018	3,062
Sciences .....	17,758	20,069	21,844	23,630	24,683	26,055	27,368	28,380	30,400
Natural sciences .....	5,834	6,401	6,972	7,559	8,021	8,670	9,061	9,713	10,634
Physical science <sup>1</sup> .....	753	816	836	921	1,034	1,100	1,110	1,127	1,141
Mathematical science .....	811	904	965	992	995	981	1,071	1,030	971
Computer science .....	1,997	2,090	2,213	2,398	2,498	2,415	2,370	2,580	3,330
Biological science .....	2,111	2,385	2,739	2,980	3,231	3,811	4,123	4,550	4,734
Agricultural science .....	162	206	219	268	263	363	387	426	458
Social sciences .....	11,924	13,668	14,872	16,071	16,662	17,385	18,307	18,667	19,766
Social science .....	8,236	9,489	10,254	10,835	10,921	11,357	11,660	11,815	12,194
Psychology .....	3,688	4,179	4,618	5,236	5,741	6,028	6,647	6,852	7,572
Non-S&E <sup>2</sup> .....	45,022	48,880	52,246	56,027	57,759	60,499	61,623	64,480	70,750
Black recipients from HBCUs									
Total, all fields .....	17,963	19,709	21,849	23,426	23,989	25,425	25,215	25,546	25,558
Science and engineering .....	5,679	6,363	7,368	7,804	8,361	8,980	9,071	9,151	8,773
Engineering .....	589	594	700	690	798	894	905	843	694
Sciences .....	5,090	5,769	6,668	7,114	7,563	8,086	8,166	8,308	8,079
Natural sciences .....	2,363	2,599	3,021	3,105	3,384	3,794	3,872	3,971	4,012
Physical science <sup>1</sup> .....	358	376	390	421	471	547	503	485	496
Mathematical science .....	369	420	463	449	466	443	478	442	427
Computer science .....	748	780	904	904	967	979	834	904	987
Biological science .....	792	906	1,155	1,197	1,357	1,628	1,841	1,920	1,884
Agricultural science .....	96	117	109	134	123	197	216	220	218
Social sciences .....	2,727	3,170	3,647	4,009	4,179	4,292	4,294	4,337	4,067
Social science .....	1,886	2,201	2,507	2,701	2,747	2,780	2,641	2,701	2,385
Psychology .....	841	969	1,140	1,308	1,432	1,512	1,653	1,636	1,682
Non-S&E <sup>2</sup> .....	12,284	13,346	14,481	15,622	15,628	16,445	16,144	16,395	16,785

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	27.6	27.6	28.5	28.5	28.1	28.4	27.4	26.6	24.5
Science and engineering .....	28.4	28.4	30.2	29.7	30.4	30.9	29.8	29.1	26.2
Engineering .....	26.4	25.1	27.2	25.9	28.0	29.8	29.4	27.9	22.7
Sciences .....	28.7	28.7	30.5	30.1	30.6	31.0	29.8	29.3	26.6
Natural sciences .....	40.5	40.6	43.3	41.1	42.2	43.8	42.7	40.9	37.7
Physical science <sup>1</sup> .....	47.5	46.1	46.7	45.7	45.6	49.7	45.3	43.0	43.5
Mathematical science .....	45.5	46.5	48.0	45.3	46.8	45.2	44.6	42.9	44.0
Computer science .....	37.5	37.3	40.8	37.7	38.7	40.5	35.2	35.0	29.6
Biological science .....	37.5	38.0	42.2	40.2	42.0	42.7	44.7	42.2	39.8
Agricultural science .....	59.3	56.8	49.8	50.0	46.8	54.3	55.8	51.6	47.6
Social sciences .....	22.9	23.2	24.5	24.9	25.1	24.7	23.5	23.2	20.6
Social science .....	22.9	23.2	24.4	24.9	25.2	24.5	22.7	22.9	19.6
Psychology .....	22.8	23.2	24.7	25.0	24.9	25.1	24.9	23.9	22.2
Non-S&E <sup>2</sup> .....	27.3	27.3	27.7	27.9	27.1	27.2	26.2	25.4	23.7

<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 14. Number and percent of bachelor's degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	24,238	26,518	28,374	30,106	30,998	32,223	32,726	33,653	35,648
Science and engineering .....	8,448	9,375	10,099	10,806	11,127	11,700	11,947	12,150	12,383
Engineering .....	1,484	1,614	1,764	1,784	1,846	1,964	2,019	1,977	1,973
Sciences .....	6,964	7,761	8,335	9,022	9,281	9,736	9,928	10,173	10,410
Natural sciences .....	2,538	2,709	2,872	3,146	3,314	3,591	3,678	3,969	4,244
Physical science <sup>1</sup> .....	391	381	370	464	495	482	466	521	472
Mathematical science .....	380	374	444	457	476	468	510	488	468
Computer science .....	971	1,092	1,049	1,161	1,241	1,218	1,212	1,323	1,737
Biological science .....	696	749	883	927	981	1,236	1,304	1,448	1,379
Agricultural science .....	100	113	126	137	121	187	186	189	188
Social sciences .....	4,426	5,052	5,463	5,876	5,967	6,145	6,250	6,204	6,166
Social science .....	3,547	4,070	4,364	4,644	4,565	4,727	4,659	4,660	4,520
Psychology .....	879	982	1,099	1,232	1,402	1,418	1,591	1,544	1,646
Non-S&E <sup>2</sup> .....	15,790	17,143	18,275	19,300	19,871	20,523	20,779	21,503	23,265
Black recipients from HBCUs									
Total, all fields .....	6,430	7,087	7,867	8,457	8,587	9,094	8,933	8,976	8,954
Science and engineering .....	2,211	2,450	2,761	2,940	3,190	3,467	3,425	3,395	3,075
Engineering .....	359	380	430	425	500	544	534	493	404
Sciences .....	1,852	2,070	2,331	2,515	2,690	2,923	2,891	2,902	2,671
Natural sciences .....	951	972	1,089	1,162	1,260	1,444	1,418	1,504	1,444
Physical science <sup>1</sup> .....	163	145	150	197	202	202	162	179	176
Mathematical science .....	164	150	196	181	204	206	223	213	208
Computer science .....	333	364	361	381	411	442	378	438	483
Biological science .....	231	238	317	334	385	482	543	575	483
Agricultural science .....	60	75	65	69	58	112	112	99	94
Social sciences .....	901	1,098	1,242	1,353	1,430	1,479	1,473	1,398	1,227
Social science .....	720	868	989	1,060	1,080	1,119	1,045	1,021	848
Psychology .....	181	230	253	293	350	360	428	377	379
Non-S&E <sup>2</sup> .....	4,219	4,637	5,106	5,517	5,397	5,627	5,508	5,581	5,879

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	26.5	26.7	27.7	28.1	27.7	28.2	27.3	26.7	25.1
Science and engineering .....	26.2	26.1	27.3	27.2	28.7	29.6	28.7	27.9	24.8
Engineering .....	24.2	23.5	24.4	23.8	27.1	27.7	26.4	24.9	20.5
Sciences .....	26.6	26.7	28.0	27.9	29.0	30.0	29.1	28.5	25.7
Natural sciences .....	37.5	35.9	37.9	36.9	38.0	40.2	38.6	37.9	34.0
Physical science <sup>1</sup> .....	41.7	38.1	40.5	42.5	40.8	41.9	34.8	34.4	37.3
Mathematical science .....	43.2	40.1	44.1	39.6	42.9	44.0	43.7	43.6	44.4
Computer science .....	34.3	33.3	34.4	32.8	33.1	36.3	31.2	33.1	27.8
Biological science .....	33.2	31.8	35.9	36.0	39.2	39.0	41.6	39.7	35.0
Agricultural science .....	60.0	66.4	51.6	50.4	47.9	59.9	60.2	52.4	50.0
Social sciences .....	20.4	21.7	22.7	23.0	24.0	24.1	23.6	22.5	19.9
Social science .....	20.3	21.3	22.7	22.8	23.7	23.7	22.4	21.9	18.8
Psychology .....	20.6	23.4	23.0	23.8	25.0	25.4	26.9	24.4	23.0
Non-S&E <sup>2</sup> .....	26.7	27.0	27.9	28.6	27.2	27.4	26.5	26.0	25.3

<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 15. Number and percent of bachelor's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	40,771	44,793	48,293	52,210	54,289	57,331	59,341	62,225	68,564
Science and engineering .....	11,539	13,056	14,322	15,483	16,401	17,355	18,497	19,248	21,079
Engineering .....	745	748	813	875	999	1,036	1,057	1,041	1,089
Sciences .....	10,794	12,308	13,509	14,608	15,402	16,319	17,440	18,207	19,990
Natural sciences .....	3,296	3,692	4,100	4,413	4,707	5,079	5,383	5,744	6,390
Physical science <sup>1</sup> .....	362	435	466	457	539	618	644	606	669
Mathematical science .....	431	530	521	535	519	513	561	542	503
Computer science .....	1,026	998	1,164	1,237	1,257	1,197	1,158	1,257	1,593
Biological science .....	1,415	1,636	1,856	2,053	2,250	2,575	2,819	3,102	3,355
Agricultural science .....	62	93	93	131	142	176	201	237	270
Social sciences .....	7,498	8,616	9,409	10,195	10,695	11,240	12,057	12,463	13,600
Social science .....	4,689	5,419	5,890	6,191	6,356	6,630	7,001	7,155	7,674
Psychology .....	2,809	3,197	3,519	4,004	4,339	4,610	5,056	5,308	5,926
Non-S&E <sup>2</sup> .....	29,232	31,737	33,971	36,727	37,888	39,976	40,844	42,977	47,485
Black recipients from HBCUs									
Total, all fields .....	11,533	12,622	13,982	14,969	15,402	16,331	16,282	16,570	16,604
Science and engineering .....	3,468	3,913	4,607	4,864	5,171	5,513	5,646	5,756	5,698
Engineering .....	230	214	270	265	298	350	371	350	290
Sciences .....	3,238	3,699	4,337	4,599	4,873	5,163	5,275	5,406	5,408
Natural sciences .....	1,412	1,627	1,932	1,943	2,124	2,350	2,454	2,467	2,568
Physical science <sup>1</sup> .....	195	231	240	224	269	345	341	306	320
Mathematical science .....	205	270	267	268	262	237	255	229	219
Computer science .....	415	416	543	523	556	537	456	466	504
Biological science .....	561	668	838	863	972	1,146	1,298	1,345	1,401
Agricultural science .....	36	42	44	65	65	85	104	121	124
Social sciences .....	1,826	2,072	2,405	2,656	2,749	2,813	2,821	2,939	2,840
Social science .....	1,166	1,333	1,518	1,641	1,667	1,661	1,596	1,680	1,537
Psychology .....	660	739	887	1,015	1,082	1,152	1,225	1,259	1,303
Non-S&E <sup>2</sup> .....	8,065	8,709	9,375	10,105	10,231	10,818	10,636	10,814	10,906

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	28.3	28.2	29.0	28.7	28.4	28.5	27.4	26.6	24.2
Science and engineering .....	30.1	30.0	32.2	31.4	31.5	31.8	30.5	29.9	27.0
Engineering .....	30.9	28.6	33.2	30.3	29.8	33.8	35.1	33.6	26.6
Sciences .....	30.0	30.1	32.1	31.5	31.6	31.6	30.2	29.7	27.1
Natural sciences .....	42.8	44.1	47.1	44.0	45.1	46.3	45.6	42.9	40.2
Physical science <sup>1</sup> .....	53.9	53.1	51.5	49.0	49.9	55.8	53.0	50.5	47.8
Mathematical science .....	47.6	50.9	51.2	50.1	50.5	46.2	45.5	42.3	43.5
Computer science .....	40.4	41.7	46.6	42.3	44.2	44.9	39.4	37.1	31.6
Biological science .....	39.6	40.8	45.2	42.0	43.2	44.5	46.0	43.4	41.8
Agricultural science .....	58.1	45.2	47.3	49.6	45.8	48.3	51.7	51.1	45.9
Social sciences .....	24.4	24.0	25.6	26.1	25.7	25.0	23.4	23.6	20.9
Social science .....	24.9	24.6	25.8	26.5	26.2	25.1	22.8	23.5	20.0
Psychology .....	23.5	23.1	25.2	25.3	24.9	25.0	24.2	23.7	22.0
Non-S&E <sup>2</sup> .....	27.6	27.4	27.6	27.5	27.0	27.1	26.0	25.2	23.0

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	15,857	17,420	18,897	20,936	22,954	24,588	26,948	28,616	33,305
Science and engineering .....	2,090	2,356	2,554	2,849	3,339	3,518	3,817	3,756	4,115
Engineering .....	398	466	564	589	665	674	674	714	658
Sciences .....	1,692	1,890	1,990	2,260	2,674	2,844	3,143	3,042	3,457
Natural sciences .....	644	699	716	821	881	932	1,010	957	1,003
Physical science <sup>1</sup> .....	73	98	105	127	147	116	144	146	124
Mathematical science .....	100	77	98	109	151	151	157	150	103
Computer science .....	283	316	308	365	347	379	377	376	472
Biological science .....	137	149	135	142	162	198	236	190	220
Agricultural science .....	51	59	70	78	74	88	96	95	84
Social sciences .....	1,048	1,191	1,274	1,439	1,793	1,912	2,133	2,085	2,454
Social science .....	594	660	730	803	930	965	1,010	1,012	1,061
Psychology .....	454	531	544	636	863	947	1,123	1,073	1,393
Non-S&E <sup>2</sup> .....	13,767	15,064	16,343	18,087	19,615	21,070	23,131	24,860	29,190
Black recipients from HBCUs									
Total, all fields .....	2,518	2,631	2,779	3,205	3,478	3,818	4,218	4,411	4,731
Science and engineering .....	391	426	453	484	582	644	711	677	621
Engineering .....	37	41	41	43	54	62	64	85	61
Sciences .....	354	385	412	441	528	582	647	592	560
Natural sciences .....	180	188	204	204	260	276	311	298	277
Physical science <sup>1</sup> .....	24	21	36	21	41	38	51	42	32
Mathematical science .....	21	17	23	21	44	48	45	46	30
Computer science .....	59	76	75	87	94	92	88	95	107
Biological science .....	46	47	38	34	48	60	76	63	75
Agricultural science .....	30	27	32	41	33	38	51	52	33
Social sciences .....	174	197	208	237	268	306	336	294	283
Social science .....	114	125	107	126	130	141	156	157	144
Psychology .....	60	72	101	111	138	165	180	137	139
Non-S&E <sup>2</sup> .....	2,127	2,205	2,326	2,721	2,896	3,174	3,507	3,734	4,110

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	15.9	15.1	14.7	15.3	15.2	15.5	15.7	15.4	14.2
Science and engineering .....	18.7	18.1	17.7	17.0	17.4	18.3	18.6	18.0	15.1
Engineering .....	9.3	8.8	7.3	7.3	8.1	9.2	9.5	11.9	9.3
Sciences .....	20.9	20.4	20.7	19.5	19.7	20.5	20.6	19.5	16.2
Natural sciences .....	28.0	26.9	28.5	24.8	29.5	29.6	30.8	31.1	27.6
Physical science <sup>1</sup> .....	32.9	21.4	34.3	16.5	27.9	32.8	35.4	28.8	25.8
Mathematical science .....	21.0	22.1	23.5	19.3	29.1	31.8	28.7	30.7	29.1
Computer science .....	20.8	24.1	24.4	23.8	27.1	24.3	23.3	25.3	22.7
Biological science .....	33.6	31.5	28.1	23.9	29.6	30.3	32.2	33.2	34.1
Agricultural science .....	58.8	45.8	45.7	52.6	44.6	43.2	53.1	54.7	39.3
Social sciences .....	16.6	16.5	16.3	16.5	14.9	16.0	15.8	14.1	11.5
Social science .....	19.2	18.9	14.7	15.7	14.0	14.6	15.4	15.5	13.6
Psychology .....	13.2	13.6	18.6	17.5	16.0	17.4	16.0	12.8	10.0
Non-S&E <sup>2</sup> .....	15.4	14.6	14.2	15.0	14.8	15.1	15.2	15.0	14.1

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	5,619	5,794	6,472	7,007	7,636	7,998	8,444	9,107	10,309
Science and engineering .....	1,028	1,166	1,253	1,376	1,534	1,565	1,617	1,646	1,679
Engineering .....	299	332	407	422	464	464	449	470	451
Sciences .....	729	834	846	954	1,070	1,101	1,168	1,176	1,228
Natural sciences .....	338	382	386	435	434	467	484	485	478
Physical science <sup>1</sup> .....	43	66	58	74	86	59	74	81	65
Mathematical science .....	53	44	48	62	64	78	77	71	48
Computer science .....	150	175	193	205	199	205	208	229	256
Biological science .....	58	61	47	48	50	76	69	68	72
Agricultural science .....	34	36	40	46	35	49	56	36	37
Social sciences .....	391	452	460	519	636	634	684	691	750
Social science .....	262	315	345	358	418	391	426	431	433
Psychology .....	129	137	115	161	218	243	258	260	317
Non-S&E <sup>2</sup> .....	4,591	4,628	5,219	5,631	6,102	6,433	6,827	7,461	8,630
Black recipients from HBCUs									
Total, all fields .....	766	782	822	942	973	1,092	1,164	1,259	1,310
Science and engineering .....	172	195	191	208	230	282	266	285	245
Engineering .....	29	27	23	28	33	44	37	48	41
Sciences .....	143	168	168	180	197	238	229	237	204
Natural sciences .....	90	100	106	98	105	135	133	132	122
Physical science <sup>1</sup> .....	14	16	19	10	24	22	21	22	14
Mathematical science .....	7	7	9	12	20	24	19	14	15
Computer science .....	33	46	44	40	36	45	42	58	58
Biological science .....	15	15	11	7	12	22	20	20	23
Agricultural science .....	21	16	23	29	13	22	31	18	12
Social sciences .....	53	68	62	82	92	103	96	105	82
Social science .....	39	47	40	49	62	64	58	73	52
Psychology .....	14	21	22	33	30	39	38	32	30
Non-S&E <sup>2</sup> .....	594	587	631	734	743	810	898	974	1,065

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	13.6	13.5	12.7	13.4	12.7	13.7	13.8	13.8	12.7
Science and engineering .....	16.7	16.7	15.2	15.1	15.0	18.0	16.5	17.3	14.6
Engineering .....	9.7	8.1	5.7	6.6	7.1	9.5	8.2	10.2	9.1
Sciences .....	19.6	20.1	19.9	18.9	18.4	21.6	19.6	20.2	16.6
Natural sciences .....	26.6	26.2	27.5	22.5	24.2	28.9	27.5	27.2	25.5
Physical science <sup>1</sup> .....	32.6	24.2	32.8	13.5	27.9	37.3	28.4	27.2	21.5
Mathematical science .....	13.2	15.9	18.8	19.4	31.3	30.8	24.7	19.7	31.3
Computer science .....	22.0	26.3	22.8	19.5	18.1	22.0	20.2	25.3	22.7
Biological science .....	25.9	24.6	23.4	14.6	24.0	28.9	29.0	29.4	31.9
Agricultural science .....	61.8	44.4	57.5	63.0	37.1	44.9	55.4	50.0	32.4
Social sciences .....	13.6	15.0	13.5	15.8	14.5	16.2	14.0	15.2	10.9
Social science .....	14.9	14.9	11.6	13.7	14.8	16.4	13.6	16.9	12.0
Psychology .....	10.9	15.3	19.1	20.5	13.8	16.0	14.7	12.3	9.5
Non-S&E <sup>2</sup> .....	12.9	12.7	12.1	13.0	12.2	12.6	13.2	13.1	12.3

<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 18. Number and percent of master's degrees earned by black women which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all black recipients									
Total, all fields .....	10,238	11,626	12,425	13,929	15,318	16,590	18,504	19,509	22,996
Science and engineering .....	1,062	1,190	1,301	1,473	1,805	1,953	2,200	2,110	2,436
Engineering .....	99	134	157	167	201	210	225	244	207
Sciences .....	963	1,056	1,144	1,306	1,604	1,743	1,975	1,866	2,229
Natural sciences .....	306	317	330	386	447	465	526	472	525
Physical science <sup>1</sup> .....	30	32	47	53	61	57	70	65	59
Mathematical science .....	47	33	50	47	87	73	80	79	55
Computer science .....	133	141	115	160	148	174	169	147	216
Biological science .....	79	88	88	94	112	122	167	122	148
Agricultural science .....	17	23	30	32	39	39	40	59	47
Social sciences .....	657	739	814	920	1,157	1,278	1,449	1,394	1,704
Social science .....	332	345	385	445	512	574	584	581	628
Psychology .....	325	394	429	475	645	704	865	813	1,076
Non-S&E <sup>2</sup> .....	9,176	10,436	11,124	12,456	13,513	14,637	16,304	17,399	20,560
Black recipients from HBCUs									
Total, all fields .....	1,752	1,849	1,957	2,263	2,505	2,726	3,054	3,152	3,421
Science and engineering .....	219	231	262	276	352	362	445	392	376
Engineering .....	8	14	18	15	21	18	27	37	20
Sciences .....	211	217	244	261	331	344	418	355	356
Natural sciences .....	90	88	98	106	155	141	178	166	155
Physical science <sup>1</sup> .....	10	5	17	11	17	16	30	20	18
Mathematical science .....	14	10	14	9	24	24	26	32	15
Computer science .....	26	30	31	47	58	47	46	37	49
Biological science .....	31	32	27	27	36	38	56	43	52
Agricultural science .....	9	11	9	12	20	16	20	34	21
Social sciences .....	121	129	146	155	176	203	240	189	201
Social science .....	75	78	67	77	68	77	98	84	92
Psychology .....	46	51	79	78	108	126	142	105	109
Non-S&E <sup>2</sup> .....	1,533	1,618	1,695	1,987	2,153	2,364	2,609	2,760	3,045

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from HBCUs								
Total, all fields .....	17.1	15.9	15.8	16.2	16.4	16.4	16.5	16.2	14.9
Science and engineering .....	20.6	19.4	20.1	18.7	19.5	18.5	20.2	18.6	15.4
Engineering .....	8.1	10.4	11.5	9.0	10.4	8.6	12.0	15.2	9.7
Sciences .....	21.9	20.5	21.3	20.0	20.6	19.7	21.2	19.0	16.0
Natural sciences .....	29.4	27.8	29.7	27.5	34.7	30.3	33.8	35.2	29.5
Physical science <sup>1</sup> .....	33.3	15.6	36.2	20.8	27.9	28.1	42.9	30.8	30.5
Mathematical science .....	29.8	30.3	28.0	19.1	27.6	32.9	32.5	40.5	27.3
Computer science .....	19.5	21.3	27.0	29.4	39.2	27.0	27.2	25.2	22.7
Biological science .....	39.2	36.4	30.7	28.7	32.1	31.1	33.5	35.2	35.1
Agricultural science .....	52.9	47.8	30.0	37.5	51.3	41.0	50.0	57.6	44.7
Social sciences .....	18.4	17.5	17.9	16.8	15.2	15.9	16.6	13.6	11.8
Social science .....	22.6	22.6	17.4	17.3	13.3	13.4	16.8	14.5	14.6
Psychology .....	14.2	12.9	18.4	16.4	16.7	17.9	16.4	12.9	10.1
Non-S&E <sup>2</sup> .....	16.7	15.5	15.2	16.0	15.9	16.2	16.0	15.9	14.8

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all black recipients										
Total, all fields .....	1,166	1,116	1,280	1,279	1,475	1,456	1,488	1,602	1,728	1,775
Science and engineering .....	464	408	469	500	560	576	623	646	716	728
Engineering .....	55	49	50	54	71	74	98	84	97	83
Sciences .....	409	359	419	446	489	502	525	562	619	645
Natural sciences .....	135	116	150	174	187	207	207	224	250	242
Physical science <sup>1</sup> .....	35	31	45	52	46	64	60	65	80	69
Mathematical science .....	11	4	8	11	5	8	7	16	12	14
Computer science .....	8	5	6	10	11	12	4	14	18	18
Biological science .....	64	62	75	79	108	98	111	110	116	123
Agricultural science .....	17	14	16	22	17	25	25	19	24	18
Social sciences .....	274	243	269	272	302	295	318	338	369	403
Social science .....	144	137	150	148	151	141	162	182	196	210
Psychology .....	130	106	119	124	151	154	156	156	173	193
Non-S&E <sup>2</sup> .....	702	708	811	779	915	880	865	956	1,012	1,047
Black recipients from HBCUs										
Total, all fields .....	112	104	135	134	138	141	116	157	150	157
Science and engineering .....	53	43	60	52	59	66	61	68	68	67
Engineering .....	3	2	0	4	1	4	1	6	4	2
Sciences .....	50	41	60	48	58	62	60	62	64	65
Natural sciences .....	21	12	26	17	29	25	32	33	33	33
Physical science <sup>1</sup> .....	6	0	6	3	10	4	8	7	9	14
Mathematical science .....	0	0	0	2	0	0	2	2	0	1
Computer science .....	0	0	0	0	0	1	0	0	0	0
Biological science .....	15	12	19	12	18	18	19	24	21	18
Agricultural science .....	0	0	1	0	1	2	3	0	3	0
Social sciences .....	29	29	34	31	29	37	28	29	31	32
Social science .....	10	19	22	11	11	25	15	17	16	18
Psychology .....	19	10	12	20	18	12	13	12	15	14
Non-S&E <sup>2</sup> .....	59	61	75	82	79	75	55	89	82	90

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Percent from HBCUs									
Total, all fields .....	9.6	9.3	10.5	10.5	9.4	9.7	7.8	9.8	8.7	8.8
Science and engineering .....	11.4	10.5	12.8	10.4	10.5	11.5	9.8	10.5	9.5	9.2
Engineering .....	5.5	4.1	.0	7.4	1.4	5.4	1.0	7.1	4.1	2.4
Sciences .....	12.2	11.4	14.3	10.8	11.9	12.4	11.4	11.0	10.3	10.1
Natural sciences .....	15.6	10.3	17.3	9.8	15.5	12.1	15.5	14.7	13.2	13.6
Physical science <sup>1</sup> .....	17.1	.0	13.3	5.8	21.7	6.3	13.3	10.8	11.2	20.3
Mathematical science .....	.0	.0	.0	18.2	.0	.0	28.6	12.5	.0	7.1
Computer science .....	.0	.0	.0	.0	.0	8.3	.0	.0	.0	.0
Biological science .....	23.4	19.4	25.3	15.2	16.7	18.4	17.1	21.8	18.1	14.6
Agricultural science .....	.0	.0	6.3	.0	5.9	8.0	12.0	.0	12.5	.0
Social sciences .....	10.6	11.9	12.6	11.4	9.6	12.5	8.8	8.6	8.4	7.9
Social science .....	6.9	13.9	14.7	7.4	7.3	17.7	9.3	9.3	8.2	8.6
Psychology .....	14.6	9.4	10.1	16.1	11.9	7.8	8.3	7.7	8.7	7.3
Non-S&E <sup>2</sup> .....	8.4	8.6	9.2	10.5	8.6	8.5	6.4	9.3	8.1	8.6

<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 20. Number and percent of doctoral degrees earned by black men which are conferred by historically black colleges and universities (HBCUs), by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all black recipients										
Total, all fields .....	552	519	579	553	615	641	641	613	694	650
Science and engineering .....	270	238	261	284	290	323	332	296	349	324
Engineering .....	47	43	39	41	56	55	75	62	73	58
Sciences .....	223	195	222	243	234	268	257	234	276	266
Natural sciences .....	88	80	99	104	115	147	126	102	127	121
Physical science <sup>1</sup> .....	29	24	35	38	28	49	48	31	46	44
Mathematical science .....	7	4	7	8	4	6	5	9	6	7
Computer science .....	4	4	2	8	7	9	3	6	9	13
Biological science .....	32	38	43	34	65	58	51	41	50	47
Agricultural science .....	16	10	12	16	11	25	19	15	16	10
Social sciences .....	135	115	123	139	119	121	131	132	149	145
Social science .....	91	87	79	93	80	82	88	89	109	100
Psychology .....	44	28	44	46	39	39	43	43	40	45
Non-S&E <sup>2</sup> .....	282	281	318	269	325	318	309	317	345	326
Black recipients from HBCUs										
Total, all fields .....	58	48	56	55	57	68	52	58	61	54
Science and engineering .....	32	23	30	28	32	40	33	35	38	31
Engineering .....	3	2	0	3	1	3	1	6	4	1
Sciences .....	29	21	30	25	31	37	32	29	34	30
Natural sciences .....	15	5	15	7	17	17	16	16	19	15
Physical science <sup>1</sup> .....	5	0	5	2	6	4	8	5	6	11
Mathematical science .....	0	0	0	1	0	0	0	2	0	0
Computer science .....	0	0	0	0	0	0	0	0	0	0
Biological science .....	10	5	9	4	10	11	7	9	11	4
Agricultural science .....	0	0	1	0	1	2	1	0	2	0
Social sciences .....	14	16	15	18	14	20	16	13	15	15
Social science .....	8	14	12	10	8	16	11	10	11	12
Psychology .....	6	2	3	8	6	4	5	3	4	3
Non-S&E <sup>2</sup> .....	26	25	26	27	25	28	19	23	23	23

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Percent from HBCUs									
Total, all fields .....	10.5	9.2	9.7	9.9	9.3	10.6	8.1	9.5	8.8	8.3
Science and engineering .....	11.9	9.7	11.5	9.9	11.0	12.4	9.9	11.8	10.9	9.6
Engineering .....	6.4	4.7	.0	7.3	1.8	5.5	1.3	9.7	5.5	1.7
Sciences .....	13.0	10.8	13.5	10.3	13.2	13.8	12.5	12.4	12.3	11.3
Natural sciences .....	17.0	6.3	15.2	6.7	14.8	11.6	12.7	15.7	15.0	12.4
Physical science <sup>1</sup> .....	17.2	.0	14.3	5.3	21.4	8.2	16.7	16.1	13.0	25.0
Mathematical science .....	.0	.0	.0	12.5	.0	.0	.0	22.2	.0	.0
Computer science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Biological science .....	31.3	13.2	20.9	11.8	15.4	19.0	13.7	22.0	22.0	8.5
Agricultural science .....	.0	.0	8.3	.0	9.1	8.0	5.3	.0	12.5	.0
Social sciences .....	10.4	13.9	12.2	12.9	11.8	16.5	12.2	9.8	10.1	10.3
Social science .....	8.8	16.1	15.2	10.8	10.0	19.5	12.5	11.2	10.1	12.0
Psychology .....	13.6	7.1	6.8	17.4	15.4	10.3	11.6	7.0	10.0	6.7
Non-S&E <sup>2</sup> .....	9.2	8.9	8.2	10.0	7.7	8.8	6.1	7.3	6.7	7.1

<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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all black recipients										
Total, all fields .....	614	597	701	726	860	815	847	988	1,034	1,125
Science and engineering .....	194	170	208	216	270	253	291	350	367	404
Engineering .....	8	6	11	13	15	19	23	22	24	25
Sciences .....	186	164	197	203	255	234	268	328	343	379
Natural sciences .....	47	36	51	70	72	60	81	122	123	121
Physical science <sup>1</sup> .....	6	7	10	14	18	15	12	34	34	25
Mathematical science .....	4	0	1	3	1	2	2	7	6	7
Computer science .....	4	1	4	2	4	3	1	8	9	5
Biological science .....	32	24	32	45	43	40	60	69	66	76
Agricultural science .....	1	4	4	6	6	0	6	4	8	8
Social sciences .....	139	128	146	133	183	174	187	206	220	258
Social science .....	53	50	71	55	71	59	74	93	87	110
Psychology .....	86	78	75	78	112	115	113	113	133	148
Non-S&E <sup>2</sup> .....	420	427	493	510	590	562	556	638	667	721
Black recipients from HBCUs										
Total, all fields .....	54	56	79	79	81	73	64	99	89	103
Science and engineering .....	21	20	30	24	27	26	28	33	30	36
Engineering .....	0	0	0	1	0	1	0	0	0	1
Sciences .....	21	20	30	23	27	25	28	33	30	35
Natural sciences .....	6	7	11	10	12	8	16	17	14	18
Physical science <sup>1</sup> .....	1	0	1	1	4	0	0	2	3	3
Mathematical science .....	0	0	0	1	0	0	2	0	0	1
Computer science .....	0	0	0	0	0	1	0	0	0	0
Biological science .....	5	7	10	8	8	7	12	15	10	14
Agricultural science .....	0	0	0	0	0	0	2	0	1	0
Social sciences .....	15	13	19	13	15	17	12	16	16	17
Social science .....	2	5	10	1	3	9	4	7	5	6
Psychology .....	13	8	9	12	12	8	8	9	11	11
Non-S&E <sup>2</sup> .....	33	36	49	55	54	47	36	66	59	67

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Percent from HBCUs									
Total, all fields .....	8.8	9.4	11.3	10.9	9.4	9.0	7.6	10.0	8.6	9.2
Science and engineering .....	10.8	11.8	14.4	11.1	10.0	10.3	9.6	9.4	8.2	8.9
Engineering .....	.0	.0	.0	7.7	.0	5.3	.0	.0	.0	4.0
Sciences .....	11.3	12.2	15.2	11.3	10.6	10.7	10.4	10.1	8.7	9.2
Natural sciences .....	12.8	19.4	21.6	14.3	16.7	13.3	19.8	13.9	11.4	14.9
Physical science <sup>1</sup> .....	16.7	.0	10.0	7.1	22.2	.0	.0	5.9	8.8	12.0
Mathematical science .....	.0	0	.0	33.3	.0	.0	100.0	.0	.0	14.3
Computer science .....	.0	.0	.0	.0	.0	33.3	.0	.0	.0	.0
Biological science .....	15.6	29.2	31.3	17.8	18.6	17.5	20.0	21.7	15.2	18.4
Agricultural science .....	.0	.0	.0	.0	.0	0	33.3	.0	12.5	.0
Social sciences .....	10.8	10.2	13.0	9.8	8.2	9.8	6.4	7.8	7.3	6.6
Social science .....	3.8	10.0	14.1	1.8	4.2	15.3	5.4	7.5	5.7	5.5
Psychology .....	15.1	10.3	12.0	15.4	10.7	7.0	7.1	8.0	8.3	7.4
Non-S&E <sup>2</sup> .....	7.9	8.4	9.9	10.8	9.2	8.4	6.5	10.3	8.8	9.3

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	49,027	53,007	57,845	62,683	66,691	71,015	74,938	78,125	88,324
Science and engineering .....	15,351	17,391	18,442	20,529	22,190	23,791	25,266	26,725	28,939
Engineering .....	2,566	2,733	2,961	3,143	3,651	3,731	4,125	4,125	4,068
Sciences .....	12,785	14,658	15,481	17,386	18,539	20,060	21,141	22,600	24,871
Natural sciences .....	4,705	4,892	5,034	5,648	6,119	6,764	7,055	7,881	8,767
Physical science <sup>1</sup> .....	533	546	599	733	800	872	853	914	1,010
Mathematical science .....	480	482	470	543	536	585	581	642	640
Computer science .....	1,215	1,173	1,096	1,135	1,307	1,280	1,267	1,410	2,035
Biological science .....	2,264	2,477	2,652	2,901	3,090	3,521	3,793	4,283	4,446
Agricultural science .....	213	214	217	336	386	506	561	632	636
Social sciences .....	8,080	9,766	10,447	11,738	12,420	13,296	14,086	14,719	16,104
Social science .....	5,334	6,519	6,860	7,748	7,877	8,260	8,804	9,210	9,977
Psychology .....	2,746	3,247	3,587	3,990	4,543	5,036	5,282	5,509	6,127
Non-S&E <sup>2</sup> .....	33,676	35,616	39,403	42,154	44,501	47,224	49,672	51,400	59,385
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	12,510	12,755	13,359	13,454	13,792	14,106	14,093	13,905	16,147
Science and engineering .....	2,952	3,007	3,001	3,205	3,501	3,628	3,849	3,889	4,193
Engineering .....	554	686	697	742	988	915	1,125	971	969
Sciences .....	2,398	2,321	2,304	2,463	2,513	2,713	2,724	2,918	3,224
Natural sciences .....	1,446	1,339	1,300	1,374	1,459	1,658	1,641	1,858	2,036
Physical science <sup>1</sup> .....	154	172	172	227	311	324	303	314	381
Mathematical science .....	108	34	41	27	27	39	24	20	29
Computer science .....	327	296	254	258	257	263	202	248	282
Biological science .....	797	837	833	808	812	964	1,021	1,159	1,226
Agricultural science .....	60	0	0	54	52	68	91	117	118
Social sciences .....	952	982	1,004	1,089	1,054	1,055	1,083	1,060	1,188
Social science .....	523	496	508	590	554	549	603	596	601
Psychology .....	429	486	496	499	500	506	480	464	587
Non-S&E <sup>2</sup> .....	9,558	9,748	10,358	10,249	10,291	10,478	10,244	10,016	11,954

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	25.5	24.1	23.1	21.5	20.7	19.9	18.8	17.8	18.3
Science and engineering .....	19.2	17.3	16.3	15.6	15.8	15.2	15.2	14.6	14.5
Engineering .....	21.6	25.1	23.5	23.6	27.1	24.5	27.3	23.5	23.8
Sciences .....	18.8	15.8	14.9	14.2	13.6	13.5	12.9	12.9	13.0
Natural sciences .....	30.7	27.4	25.8	24.3	23.8	24.5	23.3	23.6	23.2
Physical science <sup>1</sup> .....	28.9	31.5	28.7	31.0	38.9	37.2	35.5	34.4	37.7
Mathematical science .....	22.5	7.1	8.7	5.0	5.0	6.7	4.1	3.1	4.5
Computer science .....	26.9	25.2	23.2	22.7	19.7	20.5	15.9	17.6	13.9
Biological science .....	35.2	33.8	31.4	27.9	26.3	27.4	26.9	27.1	27.6
Agricultural science .....	28.2	.0	.0	16.1	13.5	13.4	16.2	18.5	18.6
Social sciences .....	11.8	10.1	9.6	9.3	8.5	7.9	7.7	7.2	7.4
Social science .....	9.8	7.6	7.4	7.6	7.0	6.6	6.8	6.5	6.0
Psychology .....	15.6	15.0	13.8	12.5	11.0	10.0	9.1	8.4	9.6
Non-S&E <sup>2</sup> .....	28.4	27.4	26.3	24.3	23.1	22.2	20.6	19.5	20.1

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	20,781	22,026	23,825	25,860	27,875	29,335	30,550	31,716	34,657
Science and engineering .....	7,888	8,730	9,160	10,190	11,031	11,592	12,044	12,622	13,126
Engineering .....	2,039	2,187	2,355	2,495	2,895	2,897	3,196	3,179	3,081
Sciences .....	5,849	6,543	6,805	7,695	8,136	8,695	8,848	9,443	10,045
Natural sciences .....	2,458	2,497	2,608	2,925	3,196	3,509	3,544	3,873	4,278
Physical science <sup>1</sup> .....	318	326	361	415	437	488	468	474	505
Mathematical science .....	259	279	273	300	315	354	340	338	348
Computer science .....	738	724	700	719	876	824	841	920	1,373
Biological science .....	1,019	1,043	1,144	1,298	1,340	1,560	1,598	1,823	1,736
Agricultural science .....	124	125	130	193	228	283	297	318	316
Social sciences .....	3,391	4,046	4,197	4,770	4,940	5,186	5,304	5,570	5,767
Social science .....	2,634	3,220	3,269	3,774	3,774	3,860	4,019	4,188	4,339
Psychology .....	757	826	928	996	1,166	1,326	1,285	1,382	1,428
Non-S&E <sup>2</sup> .....	12,893	13,296	14,665	15,670	16,844	17,743	18,506	19,094	21,531
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	4,569	4,252	4,369	4,513	4,864	4,966	4,948	4,770	5,522
Science and engineering .....	1,365	1,362	1,339	1,426	1,657	1,711	1,789	1,762	1,822
Engineering .....	398	498	511	534	743	661	791	698	684
Sciences .....	967	864	828	892	914	1,050	998	1,064	1,138
Natural sciences .....	612	520	496	540	609	692	656	717	798
Physical science <sup>1</sup> .....	70	78	70	86	131	143	134	123	132
Mathematical science .....	50	20	24	15	16	28	16	12	20
Computer science .....	170	159	147	149	164	162	123	136	189
Biological science .....	293	263	255	258	265	322	331	385	394
Agricultural science .....	29	0	0	32	33	37	52	61	63
Social sciences .....	355	344	332	352	305	358	342	347	340
Social science .....	245	243	211	248	220	218	249	250	229
Psychology .....	110	101	121	104	85	140	93	97	111
Non-S&E <sup>2</sup> .....	3,204	2,890	3,030	3,087	3,207	3,255	3,159	3,008	3,700

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	22.0	19.3	18.3	17.5	17.4	16.9	16.2	15.0	15.9
Science and engineering .....	17.3	15.6	14.6	14.0	15.0	14.8	14.9	14.0	13.9
Engineering .....	19.5	22.8	21.7	21.4	25.7	22.8	24.7	22.0	22.2
Sciences .....	16.5	13.2	12.2	11.6	11.2	12.1	11.3	11.3	11.3
Natural sciences .....	24.9	20.8	19.0	18.5	19.1	19.7	18.5	18.5	18.7
Physical science <sup>1</sup> .....	22.0	23.9	19.4	20.7	30.0	29.3	28.6	25.9	26.1
Mathematical science .....	19.3	7.2	8.8	5.0	5.1	7.9	4.7	3.6	5.7
Computer science .....	23.0	22.0	21.0	20.7	18.7	19.7	14.6	14.8	13.8
Biological science .....	28.8	25.2	22.3	19.9	19.8	20.6	20.7	21.1	22.7
Agricultural science .....	23.4	.0	.0	16.6	14.5	13.1	17.5	19.2	19.9
Social sciences .....	10.5	8.5	7.9	7.4	6.2	6.9	6.4	6.2	5.9
Social science .....	9.3	7.5	6.5	6.6	5.8	5.6	6.2	6.0	5.3
Psychology .....	14.5	12.2	13.0	10.4	7.3	10.6	7.2	7.0	7.8
Non-S&E <sup>2</sup> .....	24.9	21.7	20.7	19.7	19.0	18.3	17.1	15.8	17.2

<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 24. Number of earned bachelor's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	28,246	30,981	34,020	36,823	38,816	41,680	44,388	46,409	53,667
Science and engineering .....	7,463	8,661	9,282	10,339	11,159	12,199	13,222	14,103	15,813
Engineering .....	527	546	606	648	756	834	929	946	987
Sciences .....	6,936	8,115	8,676	9,691	10,403	11,365	12,293	13,157	14,826
Natural sciences .....	2,247	2,395	2,426	2,723	2,923	3,255	3,511	4,008	4,489
Physical science <sup>1</sup> .....	215	220	238	318	363	384	385	440	505
Mathematical science .....	221	203	197	243	221	231	241	304	292
Computer science .....	477	449	396	416	431	456	426	490	662
Biological science .....	1,245	1,434	1,508	1,603	1,750	1,961	2,195	2,460	2,710
Agricultural science .....	89	89	87	143	158	223	264	314	320
Social sciences .....	4,689	5,720	6,250	6,968	7,480	8,110	8,782	9,149	10,337
Social science .....	2,700	3,299	3,591	3,974	4,103	4,400	4,785	5,022	5,638
Psychology .....	1,989	2,421	2,659	2,994	3,377	3,710	3,997	4,127	4,699
Non-S&E <sup>2</sup> .....	20,783	22,320	24,738	26,484	27,657	29,481	31,166	32,306	37,854
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	7,941	8,503	8,990	8,941	8,928	9,140	9,145	9,135	10,625
Science and engineering .....	1,587	1,645	1,662	1,779	1,844	1,917	2,060	2,127	2,371
Engineering .....	156	188	186	208	245	254	334	273	285
Sciences .....	1,431	1,457	1,476	1,571	1,599	1,663	1,726	1,854	2,086
Natural sciences .....	834	819	804	834	850	966	985	1,141	1,238
Physical science <sup>1</sup> .....	84	94	102	141	180	181	169	191	249
Mathematical science .....	58	14	17	12	11	11	8	8	9
Computer science .....	157	137	107	109	93	101	79	112	93
Biological science .....	504	574	578	550	547	642	690	774	832
Agricultural science .....	31	0	0	22	19	31	39	56	55
Social sciences .....	597	638	672	737	749	697	741	713	848
Social science .....	278	253	297	342	334	331	354	346	372
Psychology .....	319	385	375	395	415	366	387	367	476
Non-S&E <sup>2</sup> .....	6,354	6,858	7,328	7,162	7,084	7,223	7,085	7,008	8,254

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	28.1	27.4	26.4	24.3	23.0	21.9	20.6	19.7	19.8
Science and engineering .....	21.3	19.0	17.9	17.2	16.5	15.7	15.6	15.1	15.0
Engineering .....	29.6	34.4	30.7	32.1	32.4	30.5	36.0	28.9	28.9
Sciences .....	20.6	18.0	17.0	16.2	15.4	14.6	14.0	14.1	14.1
Natural sciences .....	37.1	34.2	33.1	30.6	29.1	29.7	28.1	28.5	27.6
Physical science <sup>1</sup> .....	39.1	42.7	42.9	44.3	49.6	47.1	43.9	43.4	49.3
Mathematical science .....	26.2	6.9	8.6	4.9	5.0	4.8	3.3	2.6	3.1
Computer science .....	32.9	30.5	27.0	26.2	21.6	22.1	18.5	22.9	14.0
Biological science .....	40.5	40.0	38.3	34.3	31.3	32.7	31.4	31.5	30.7
Agricultural science .....	34.8	.0	.0	15.4	12.0	13.9	14.8	17.8	17.2
Social sciences .....	12.7	11.2	10.8	10.6	10.0	8.6	8.4	7.8	8.2
Social science .....	10.3	7.7	8.3	8.6	8.1	7.5	7.4	6.9	6.6
Psychology .....	16.0	15.9	14.1	13.2	12.3	9.9	9.7	8.9	10.1
Non-S&E <sup>2</sup> .....	30.6	30.7	29.6	27.0	25.6	24.5	22.7	21.7	21.8

<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:** 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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	9,684	10,256	11,371	13,177	13,905	15,394	16,360	17,416	20,803
Science and engineering .....	1,736	1,806	2,092	2,514	2,585	2,730	2,882	3,071	3,319
Engineering .....	468	488	581	719	711	748	765	807	852
Sciences .....	1,268	1,318	1,511	1,795	1,874	1,982	2,117	2,264	2,467
Natural sciences .....	494	503	574	680	665	677	720	737	882
Physical science <sup>1</sup> .....	96	93	114	114	129	127	139	149	126
Mathematical science .....	85	66	78	75	75	91	71	91	97
Computer science .....	128	149	162	169	198	173	197	193	262
Biological science .....	136	146	151	138	167	191	208	188	264
Agricultural science .....	49	49	69	184	96	95	105	116	133
Social sciences .....	774	815	937	1,115	1,209	1,305	1,397	1,527	1,585
Social science .....	383	396	474	557	553	596	626	676	686
Psychology .....	391	419	463	558	656	709	771	851	899
Non-S&E <sup>2</sup> .....	7,948	8,450	9,279	10,663	11,320	12,664	13,478	14,345	17,484
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	1,223	1,224	1,241	1,682	1,523	1,491	1,544	1,693	2,527
Science and engineering .....	214	140	160	311	289	288	339	371	536
Engineering .....	23	0	1	86	64	75	83	106	128
Sciences .....	191	140	159	225	225	213	256	265	408
Natural sciences .....	83	27	47	68	72	91	105	108	154
Physical science <sup>1</sup> .....	16	9	12	18	17	31	33	37	36
Mathematical science .....	17	7	14	8	9	6	7	6	10
Computer science .....	0	0	4	5	6	5	9	12	41
Biological science .....	39	11	17	18	20	37	28	22	27
Agricultural science .....	11	0	0	19	20	12	28	31	40
Social sciences .....	108	113	112	157	153	122	151	157	254
Social science .....	31	32	30	36	17	28	27	18	34
Psychology .....	77	81	82	121	136	94	124	139	220
Non-S&E <sup>2</sup> .....	1,009	1,084	1,081	1,371	1,234	1,203	1,205	1,322	1,991

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	12.6	11.9	10.9	12.8	11.0	9.7	9.4	9.7	12.1
Science and engineering .....	12.3	7.8	7.6	12.4	11.2	10.5	11.8	12.1	16.1
Engineering .....	4.9	.0	.2	12.0	9.0	10.0	10.8	13.1	15.0
Sciences .....	15.1	10.6	10.5	12.5	12.0	10.7	12.1	11.7	16.5
Natural sciences .....	16.8	5.4	8.2	10.0	10.8	13.4	14.6	14.7	17.5
Physical science <sup>1</sup> .....	16.7	9.7	10.5	15.8	13.2	24.4	23.7	24.8	28.6
Mathematical science .....	20.0	10.6	17.9	10.7	12.0	6.6	9.9	6.6	10.3
Computer science .....	.0	.0	2.5	3.0	3.0	2.9	4.6	6.2	15.6
Biological science .....	28.7	7.5	11.3	13.0	12.0	19.4	13.5	11.7	10.2
Agricultural science .....	22.4	.0	.0	10.3	20.8	12.6	26.7	26.7	30.1
Social sciences .....	14.0	13.9	12.0	14.1	12.7	9.3	10.8	10.3	16.0
Social science .....	8.1	8.1	6.3	6.5	3.1	4.7	4.3	2.7	5.0
Psychology .....	19.7	19.3	17.7	21.7	20.7	13.3	16.1	16.3	24.5
Non-S&E <sup>2</sup> .....	12.7	12.8	11.6	12.9	10.9	9.5	8.9	9.2	11.4

<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 26. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	4,124	4,381	4,875	5,483	5,725	6,072	6,466	6,848	8,004
Science and engineering .....	992	1,066	1,255	1,427	1,458	1,478	1,576	1,596	1,716
Engineering .....	378	408	480	582	578	580	589	629	651
Sciences .....	614	658	775	845	880	898	987	967	1,065
Natural sciences .....	294	309	341	414	423	402	435	415	498
Physical science <sup>1</sup> .....	73	64	76	80	88	80	86	87	77
Mathematical science .....	52	47	50	44	53	57	50	51	57
Computer science .....	84	98	104	120	151	125	141	123	183
Biological science .....	54	69	76	65	75	85	107	96	122
Agricultural science .....	31	31	35	105	56	55	51	58	59
Social sciences .....	320	349	434	431	457	496	552	552	567
Social science .....	196	218	282	290	283	320	344	333	329
Psychology .....	124	131	152	141	174	176	208	219	238
Non-S&E <sup>2</sup> .....	3,132	3,315	3,620	4,056	4,267	4,594	4,890	5,252	6,288
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	386	398	402	586	500	497	531	574	832
Science and engineering .....	80	48	56	154	130	144	148	169	237
Engineering .....	15	0	1	68	51	61	56	76	93
Sciences .....	65	48	55	86	79	83	92	93	144
Natural sciences .....	39	12	23	43	47	49	48	54	77
Physical science <sup>1</sup> .....	9	4	6	15	14	16	19	17	20
Mathematical science .....	9	4	11	5	6	3	4	6	7
Computer science .....	0	0	1	3	3	3	4	6	29
Biological science .....	13	4	5	8	10	19	11	13	10
Agricultural science .....	8	0	0	12	14	8	10	12	11
Social sciences .....	26	36	32	43	32	34	44	39	67
Social science .....	8	14	16	25	9	14	16	10	20
Psychology .....	18	22	16	18	23	20	28	29	47
Non-S&E <sup>2</sup> .....	306	350	346	432	370	353	383	405	595

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	9.4	9.1	8.2	10.7	8.7	8.2	8.2	8.4	10.4
Science and engineering .....	8.1	4.5	4.5	10.8	8.9	9.7	9.4	10.6	13.8
Engineering .....	4.0	.0	.2	11.7	8.8	10.5	9.5	12.1	14.3
Sciences .....	10.6	7.3	7.1	10.2	9.0	9.2	9.3	9.6	13.5
Natural sciences .....	13.3	3.9	6.7	10.4	11.1	12.2	11.0	13.0	15.5
Physical science <sup>1</sup> .....	12.3	6.3	7.9	18.8	15.9	20.0	22.1	19.5	26.0
Mathematical science .....	17.3	8.5	22.0	11.4	11.3	5.3	8.0	11.8	12.3
Computer science .....	.0	.0	1.0	2.5	2.0	2.4	2.8	4.9	15.8
Biological science .....	24.1	5.8	6.6	12.3	13.3	22.4	10.3	13.5	8.2
Agricultural science .....	25.8	.0	.0	11.4	25.0	14.5	19.6	20.7	18.6
Social sciences .....	8.1	10.3	7.4	10.0	7.0	6.9	8.0	7.1	11.8
Social science .....	4.1	6.4	5.7	8.6	3.2	4.4	4.7	3.0	6.1
Psychology .....	14.5	16.8	10.5	12.8	13.2	11.4	13.5	13.2	19.7
Non-S&E <sup>2</sup> .....	9.8	10.6	9.6	10.7	8.7	7.7	7.8	7.7	9.5

<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 27. Number of earned master's degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total, all Hispanic recipients									
Total, all fields .....	5,560	5,875	6,496	7,694	8,180	9,322	9,894	10,568	12,799
Science and engineering .....	744	740	837	1,087	1,127	1,252	1,306	1,475	1,603
Engineering .....	90	80	101	137	133	168	176	178	201
Sciences .....	654	660	736	950	994	1,084	1,130	1,297	1,402
Natural sciences .....	200	194	233	266	242	275	285	322	384
Physical science <sup>1</sup> .....	23	29	38	34	41	47	53	62	49
Mathematical science .....	33	19	28	31	22	34	21	40	40
Computer science .....	44	51	58	49	47	48	56	70	79
Biological science .....	82	77	75	73	92	106	101	92	142
Agricultural science .....	18	18	34	79	40	40	54	58	74
Social sciences .....	454	466	503	684	752	809	845	975	1,018
Social science .....	187	178	192	267	270	276	282	343	357
Psychology .....	267	288	311	417	482	533	563	632	661
Non-S&E <sup>2</sup> .....	4,816	5,135	5,659	6,607	7,053	8,070	8,588	9,093	11,196
Hispanic recipients from institutions in Puerto Rico									
Total, all fields .....	837	826	839	1,096	1,023	994	1,013	1,119	1,695
Science and engineering .....	134	92	104	157	159	144	191	202	299
Engineering .....	8	0	0	18	13	14	27	30	35
Sciences .....	126	92	104	139	146	130	164	172	264
Natural sciences .....	44	15	24	25	25	42	57	54	77
Physical science <sup>1</sup> .....	7	5	6	3	3	15	14	20	16
Mathematical science .....	8	3	3	3	3	3	3	0	3
Computer science .....	0	0	3	2	3	2	5	6	12
Biological science .....	26	7	12	10	10	18	17	9	17
Agricultural science .....	3	0	0	7	6	4	18	19	29
Social sciences .....	82	77	80	114	121	88	107	118	187
Social science .....	23	18	14	11	8	14	11	8	14
Psychology .....	59	59	66	103	113	74	96	110	173
Non-S&E <sup>2</sup> .....	703	734	735	939	864	850	822	917	1,396

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	2000
	Percent from institutions in Puerto Rico								
Total, all fields .....	15.1	14.1	12.9	14.2	12.5	10.7	10.2	10.6	13.2
Science and engineering .....	18.0	12.4	12.4	14.4	14.1	11.5	14.6	13.7	18.7
Engineering .....	8.9	.0	.0	13.1	9.8	8.3	15.3	16.9	17.4
Sciences .....	19.3	13.9	14.1	14.6	14.7	12.0	14.5	13.3	18.8
Natural sciences .....	22.0	7.7	10.3	9.4	10.3	15.3	20.0	16.8	20.1
Physical science <sup>1</sup> .....	30.4	17.2	15.8	8.8	7.3	31.9	26.4	32.3	32.7
Mathematical science .....	24.2	15.8	10.7	9.7	13.6	8.8	14.3	.0	7.5
Computer science .....	.0	.0	5.2	4.1	6.4	4.2	8.9	8.6	15.2
Biological science .....	31.7	9.1	16.0	13.7	10.9	17.0	16.8	9.8	12.0
Agricultural science .....	16.7	.0	.0	8.9	15.0	10.0	33.3	32.8	39.2
Social sciences .....	18.1	16.5	15.9	16.7	16.1	10.9	12.7	12.1	18.4
Social science .....	12.3	10.1	7.3	4.1	3.0	5.1	3.9	2.3	3.9
Psychology .....	22.1	20.5	21.2	24.7	23.4	13.9	17.1	17.4	26.2
Non-S&E <sup>2</sup> .....	14.6	14.3	13.0	14.2	12.3	10.5	9.6	10.1	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 28. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanics, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all Hispanic recipients										
Total, all fields .....	868	909	972	1,030	1,054	1,103	1,193	1,324	1,290	1,279
Science and engineering .....	493	513	542	548	563	618	656	753	710	704
Engineering .....	61	71	66	66	76	97	95	110	82	80
Sciences .....	432	442	476	482	487	521	561	643	628	624
Natural sciences .....	212	228	249	274	253	251	295	314	300	321
Physical science <sup>1</sup> .....	81	88	92	98	86	85	85	70	83	95
Mathematical science .....	9	12	16	13	15	10	20	27	15	14
Computer science .....	12	8	7	7	6	16	17	14	14	13
Biological science .....	95	102	114	131	125	128	146	168	173	173
Agricultural science .....	15	18	20	25	21	12	27	35	15	26
Social sciences .....	220	214	227	208	234	270	266	329	328	303
Social science .....	98	81	96	75	89	97	96	121	120	109
Psychology .....	122	133	131	133	145	173	170	208	208	194
Non-S&E <sup>2</sup> .....	375	396	430	482	491	485	537	571	580	575
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	25	50	30	57	51	43	91	107	149	93
Science and engineering .....	12	26	14	30	36	29	50	73	97	58
Engineering .....	0	0	0	0	0	0	0	0	1	0
Sciences .....	12	26	14	30	36	29	50	73	96	58
Natural sciences .....	5	5	6	12	5	3	7	9	22	15
Physical science <sup>1</sup> .....	3	4	4	7	5	3	6	4	12	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 .....	2	1	2	5	0	0	1	5	10	10
Agricultural science .....	0	0	0	0	0	0	0	0	0	0
Social sciences .....	7	21	8	18	31	26	43	64	74	43
Social science .....	1	5	0	1	0	0	1	0	1	0
Psychology .....	6	16	8	17	31	26	42	64	73	43
Non-S&E <sup>2</sup> .....	13	24	16	27	15	14	41	34	52	35

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Percent from institutions in Puerto Rico										
Total, all fields .....	2.9	5.5	3.1	5.5	4.8	3.9	7.6	8.1	11.6	7.3
Science and engineering .....	2.4	5.1	2.6	5.5	6.4	4.7	7.6	9.7	13.7	8.2
Engineering .....	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0
Sciences .....	2.8	5.9	2.9	6.2	7.4	5.6	8.9	11.4	15.3	9.3
Natural sciences .....	2.4	2.2	2.4	4.4	2.0	1.2	2.4	2.9	7.3	4.7
Physical science <sup>1</sup> .....	3.7	4.5	4.3	7.1	5.8	3.5	7.1	5.7	14.5	5.3
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 .....	2.1	1.0	1.8	3.8	.0	.0	.7	3.0	5.8	5.8
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences .....	3.2	9.8	3.5	8.7	13.2	9.6	16.2	19.5	22.6	14.2
Social science .....	1.0	6.2	.0	1.3	.0	.0	1.0	.0	.8	.0
Psychology .....	4.9	12.0	6.1	12.8	21.4	15.0	24.7	30.8	35.1	22.2
Non-S&E <sup>2</sup> .....	3.5	6.1	3.7	5.6	3.1	2.9	7.6	6.0	9.0	6.1

<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 29. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic men, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all Hispanic recipients										
Total, all fields .....	459	482	517	518	537	560	624	681	567	599
Science and engineering .....	307	308	320	318	336	346	392	427	355	370
Engineering .....	51	56	54	60	65	82	72	97	59	68
Sciences .....	256	252	266	258	271	264	320	330	296	302
Natural sciences .....	152	151	162	174	167	157	198	197	184	181
Physical science <sup>1</sup> .....	68	62	70	75	59	67	65	53	57	67
Mathematical science .....	5	9	14	10	11	10	14	20	10	7
Computer science .....	11	7	6	7	2	9	15	13	11	10
Biological science .....	56	59	57	69	79	62	84	89	98	82
Agricultural science .....	12	14	15	13	16	9	20	22	8	15
Social sciences .....	104	101	104	84	104	107	122	133	112	121
Social science .....	52	46	59	41	56	54	59	77	56	67
Psychology .....	52	55	45	43	48	53	63	56	56	54
Non-S&E <sup>2</sup> .....	152	174	197	200	201	214	232	254	212	229
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	7	14	10	18	16	15	30	23	42	25
Science and engineering .....	3	11	7	11	13	11	18	15	30	14
Engineering .....	0	0	0	0	0	0	0	0	1	0
Sciences .....	3	11	7	11	13	11	18	15	29	14
Natural sciences .....	2	4	4	6	4	2	3	4	16	4
Physical science <sup>1</sup> .....	2	3	2	5	4	2	3	0	9	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 .....	0	1	2	1	0	0	0	4	7	1
Agricultural science .....	0	0	0	0	0	0	0	0	0	0
Social sciences .....	1	7	3	5	9	9	15	11	13	10
Social science .....	0	0	0	0	0	0	0	0	0	0
Psychology .....	1	7	3	5	9	9	15	11	13	10
Non-S&E <sup>2</sup> .....	4	3	3	7	3	4	12	8	12	11

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Percent from institutions in Puerto Rico										
Total, all fields .....	1.5	2.9	1.9	3.5	3.0	2.7	4.8	3.4	7.4	4.2
Science and engineering .....	1.0	3.6	2.2	3.5	3.9	3.2	4.6	3.5	8.5	3.8
Engineering .....	.0	.0	.0	.0	.0	.0	.0	.0	1.7	.0
Sciences .....	1.2	4.4	2.6	4.3	4.8	4.2	5.6	4.5	9.8	4.6
Natural sciences .....	1.3	2.6	2.5	3.4	2.4	1.3	1.5	2.0	8.7	2.2
Physical science <sup>1</sup> .....	2.9	4.8	2.9	6.7	6.8	3.0	4.6	.0	15.8	4.5
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 .....	.0	1.7	3.5	1.4	.0	.0	.0	4.5	7.1	1.2
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences .....	1.0	6.9	2.9	6.0	8.7	8.4	12.3	8.3	11.6	8.3
Social science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Psychology .....	1.9	12.7	6.7	11.6	18.8	17.0	23.8	19.6	23.2	18.5
Non-S&E <sup>2</sup> .....	2.6	1.7	1.5	3.5	1.5	1.9	5.2	3.1	5.7	4.8

<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 30. Number of earned doctoral degrees conferred by institutions in Puerto Rico to Hispanic women, by field: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total, all Hispanic recipients										
Total, all fields .....	409	427	455	512	517	543	569	642	723	680
Science and engineering .....	186	205	222	230	227	272	264	326	355	334
Engineering .....	10	15	12	6	11	15	23	13	23	12
Sciences .....	176	190	210	224	216	257	241	313	332	322
Natural sciences .....	60	77	87	100	86	94	97	117	116	140
Physical science <sup>1</sup> .....	13	26	22	23	27	18	20	17	26	28
Mathematical science .....	4	3	2	3	4	0	6	7	5	7
Computer science .....	1	1	1	0	4	7	2	1	3	3
Biological science .....	39	43	57	62	46	66	62	79	75	91
Agricultural science .....	3	4	5	12	5	3	7	13	7	11
Social sciences .....	116	113	123	124	130	163	144	196	216	182
Social science .....	46	35	37	34	33	43	37	44	64	42
Psychology .....	70	78	86	90	97	120	107	152	152	140
Non-S&E <sup>2</sup> .....	223	222	233	282	290	271	305	316	368	346
Hispanic recipients from institutions in Puerto Rico										
Total, all fields .....	18	36	20	39	35	28	61	84	107	68
Science and engineering .....	9	15	7	19	23	18	32	58	67	44
Engineering .....	0	0	0	0	0	0	0	0	0	0
Sciences .....	9	15	7	19	23	18	32	58	67	44
Natural sciences .....	3	1	2	6	1	1	4	5	6	11
Physical science <sup>1</sup> .....	1	1	2	2	1	1	3	4	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 .....	2	0	0	4	0	0	1	1	3	9
Agricultural science .....	0	0	0	0	0	0	0	0	0	0
Social sciences .....	6	14	5	13	22	17	28	53	61	33
Social science .....	1	5	0	1	0	0	1	0	1	0
Psychology .....	5	9	5	12	22	17	27	53	60	33
Non-S&E <sup>2</sup> .....	9	21	13	20	12	10	29	26	40	24

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: 1991-2000**

Field	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Percent from institutions in Puerto Rico										
Total, all fields .....	4.4	8.4	4.4	7.6	6.8	5.2	10.7	13.1	14.8	10.0
Science and engineering .....	4.8	7.3	3.2	8.3	10.1	6.6	12.1	17.8	18.9	13.2
Engineering .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sciences .....	5.1	7.9	3.3	8.5	10.6	7.0	13.3	18.5	20.2	13.7
Natural sciences .....	5.0	1.3	2.3	6.0	1.2	1.1	4.1	4.3	5.2	7.9
Physical science <sup>1</sup> .....	7.7	3.8	9.1	8.7	3.7	5.6	15.0	23.5	11.5	7.1
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 .....	5.1	.0	.0	6.5	.0	.0	1.6	1.3	4.0	9.9
Agricultural science .....	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social sciences .....	5.2	12.4	4.1	10.5	16.9	10.4	19.4	27.0	28.2	18.1
Social science .....	2.2	14.3	.0	2.9	.0	.0	2.7	.0	1.6	.0
Psychology .....	7.1	11.5	5.8	13.3	22.7	14.2	25.2	34.9	39.5	23.6
Non-S&E <sup>2</sup> .....	4.0	9.5	5.6	7.1	4.1	3.7	9.5	8.2	10.9	6.9

<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:** 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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	18,294	17,113	16,987	16,654	16,542	16,156	14,584	14,747	15,118
U.S. citizens and permanent residents, total <sup>1</sup> .....	17,582	16,597	16,546	16,161	15,992	15,571	14,027	14,157	14,677
White, non-Hispanics .....	14,279	13,286	13,245	12,909	12,616	12,032	10,946	10,977	10,762
Asians/Pacific Islanders .....	768	778	768	720	727	730	473	471	738
Underrepresented minorities, total .....	2,033	2,074	2,096	2,160	2,317	2,470	2,244	2,210	2,600
Black, non-Hispanics .....	1,227	1,239	1,132	1,249	1,319	1,370	1,423	1,369	1,427
Hispanics .....	731	747	853	813	883	988	722	738	1,066
American Indians or Alaskan Natives .....	75	88	111	98	115	112	99	103	107
U.S. citizens and permanent residents, unknown race/ethnicity .....	502	459	437	372	332	339	364	499	577
Nonresident aliens <sup>2</sup> .....	712	516	441	493	550	585	557	590	441
Men									
Total .....	16,329	15,309	15,089	14,835	14,649	14,325	12,889	12,931	13,202
U.S. citizens and permanent residents, total <sup>1</sup> .....	15,660	14,841	14,687	14,401	14,141	13,794	12,379	12,407	12,807
White, non-Hispanics .....	12,819	12,069	11,908	11,694	11,332	10,882	9,836	9,796	9,583
Asians/Pacific Islanders .....	700	690	678	641	637	656	421	418	662
Underrepresented minorities, total .....	1,692	1,659	1,694	1,729	1,881	1,956	1,781	1,756	2,073
Black, non-Hispanics .....	968	949	892	959	1,042	1,041	1,095	1,072	1,093
Hispanics .....	655	629	710	687	741	828	604	599	896
American Indians or Alaskan Natives .....	69	81	92	83	98	87	82	85	84
U.S. citizens and permanent residents, unknown race/ethnicity .....	449	423	407	337	291	300	341	437	489
Nonresident aliens <sup>2</sup> .....	669	468	402	434	508	531	510	524	395
Women									
Total .....	1,965	1,804	1,898	1,819	1,893	1,831	1,695	1,816	1,916
U.S. citizens and permanent residents, total <sup>1</sup> .....	1,922	1,756	1,859	1,760	1,851	1,777	1,648	1,750	1,870
White, non-Hispanics .....	1,460	1,217	1,337	1,215	1,284	1,150	1,110	1,181	1,179
Asians/Pacific Islanders .....	68	88	90	79	90	74	52	53	76
Underrepresented minorities, total .....	341	415	402	431	436	514	463	454	527
Black, non-Hispanics .....	259	290	240	290	277	329	328	297	334
Hispanics .....	76	118	143	126	142	160	118	139	170
American Indians or Alaskan Natives .....	6	7	19	15	17	25	17	18	23
U.S. citizens and permanent residents, unknown race/ethnicity .....	53	36	30	35	41	39	23	62	88
Nonresident aliens <sup>2</sup> .....	43	48	39	59	42	54	47	66	46

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	1,188	1,278	1,555	1,547	1,577	1,651	1,414	1,700	1,350
U.S. citizens and permanent residents, total <sup>1</sup> .....	1,016	1,063	1,276	1,256	1,268	1,353	1,153	1,432	1,146
White, non-Hispanics .....	830	817	1,041	994	982	1,053	950	1,115	835
Asians/Pacific Islanders .....	60	58	40	46	55	61	49	62	53
Underrepresented minorities, total .....	69	92	94	112	131	135	115	205	160
Black, non-Hispanics .....	47	64	61	72	85	81	86	150	116
Hispanics .....	19	23	25	37	40	47	26	49	41
American Indians or Alaskan Natives .....	3	5	8	3	6	7	3	6	3
U.S. citizens and permanent residents, unknown race/ethnicity .....	57	96	101	104	100	104	39	50	98
Nonresident aliens <sup>2</sup> .....	172	215	279	291	309	298	261	268	204
Men									
Total .....	888	971	1,172	1,164	1,136	1,179	1,012	1,158	902
U.S. citizens and permanent residents, total <sup>1</sup> .....	757	815	961	949	940	990	842	1,002	775
White, non-Hispanics .....	619	619	783	753	726	777	704	801	585
Asians/Pacific Islanders .....	39	45	28	33	41	41	34	40	29
Underrepresented minorities, total .....	47	66	57	75	89	87	76	130	98
Black, non-Hispanics .....	29	46	32	48	53	51	56	95	63
Hispanics .....	17	16	18	27	32	32	17	31	33
American Indians or Alaskan Natives .....	1	4	7	0	4	4	3	4	2
U.S. citizens and permanent residents, unknown race/ethnicity .....	52	85	93	88	84	85	28	31	63
Nonresident aliens <sup>2</sup> .....	131	156	211	215	196	189	170	156	127
Women									
Total .....	300	307	383	383	441	472	402	542	448
U.S. citizens and permanent residents, total <sup>1</sup> .....	259	248	315	307	328	363	311	430	371
White, non-Hispanics .....	211	198	258	241	256	276	246	314	250
Asians/Pacific Islanders .....	21	13	12	13	14	20	15	22	24
Underrepresented minorities, total .....	22	26	37	37	42	48	39	75	62
Black, non-Hispanics .....	18	18	29	24	32	30	30	55	53
Hispanics .....	2	7	7	10	8	15	9	18	8
American Indians or Alaskan Natives .....	2	1	1	3	2	3	0	2	1
U.S. citizens and permanent residents, unknown race/ethnicity .....	5	11	8	16	16	19	11	19	35
Nonresident aliens <sup>2</sup> .....	41	59	68	76	113	109	91	112	77

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	60,228	62,655	67,942	75,229	80,629	84,759	86,243	85,334	79,366
U.S. citizens and permanent residents, total <sup>1</sup> .....	59,250	61,792	66,929	74,200	79,608	83,641	85,135	84,427	78,519
White, non-Hispanics .....	48,798	51,328	55,482	61,624	64,992	67,509	67,823	65,778	59,261
Asians/Pacific Islanders .....	1,981	2,229	2,469	3,024	3,488	3,952	4,428	4,696	4,426
Underrepresented minorities, total .....	6,881	7,048	7,758	8,225	9,453	10,417	10,915	11,867	12,687
Black, non-Hispanics .....	4,122	4,151	4,670	4,817	5,691	6,186	6,438	7,059	7,593
Hispanics .....	2,481	2,571	2,747	3,018	3,305	3,722	3,939	4,221	4,536
American Indians or Alaskan Natives .....	278	326	341	390	457	509	538	587	558
U.S. citizens and permanent residents, unknown race/ethnicity .....	1,590	1,187	1,220	1,327	1,675	1,763	1,969	2,086	2,145
Nonresident aliens <sup>2</sup> .....	978	863	1,013	1,029	1,021	1,118	1,108	907	847
Men									
Total .....	9,855	10,305	11,467	13,180	14,564	15,561	16,008	15,252	12,924
U.S. citizens and permanent residents, total <sup>1</sup> .....	9,572	10,057	11,189	12,912	14,295	15,309	15,717	15,003	12,733
White, non-Hispanics .....	7,717	8,230	9,081	10,627	11,503	12,249	12,367	11,361	9,263
Asians/Pacific Islanders .....	468	541	561	694	891	968	1,108	1,163	1,077
Underrepresented minorities, total .....	1,094	1,032	1,285	1,315	1,595	1,781	1,876	2,098	2,022
Black, non-Hispanics .....	525	530	673	659	850	920	940	1,055	1,065
Hispanics .....	519	441	545	576	652	768	823	902	849
American Indians or Alaskan Natives .....	50	61	67	80	93	93	113	141	108
U.S. citizens and permanent residents, unknown race/ethnicity .....	293	254	262	276	306	311	366	381	371
Nonresident aliens <sup>2</sup> .....	283	248	278	268	269	252	291	249	191
Women									
Total .....	50,373	52,350	56,475	62,049	66,065	69,198	70,235	70,082	66,442
U.S. citizens and permanent residents, total <sup>1</sup> .....	49,678	51,735	55,740	61,288	65,313	68,332	69,418	69,424	65,786
White, non-Hispanics .....	41,081	43,098	46,401	50,997	53,489	55,260	55,456	54,417	49,998
Asians/Pacific Islanders .....	1,513	1,688	1,908	2,330	2,597	2,984	3,320	3,533	3,349
Underrepresented minorities, total .....	5,787	6,016	6,473	6,910	7,858	8,636	9,039	9,769	10,665
Black, non-Hispanics .....	3,597	3,621	3,997	4,158	4,841	5,266	5,498	6,004	6,528
Hispanics .....	1,962	2,130	2,202	2,442	2,653	2,954	3,116	3,319	3,687
American Indians or Alaskan Natives .....	228	265	274	310	364	416	425	446	450
U.S. citizens and permanent residents, unknown race/ethnicity .....	1,297	933	958	1,051	1,369	1,452	1,603	1,705	1,774
Nonresident aliens <sup>2</sup> .....	695	615	735	761	752	866	817	658	656

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	21,398	23,213	25,823	28,314	31,481	33,475	36,014	39,274	41,996
U.S. citizens and permanent residents, total <sup>1</sup> .....	20,160	21,903	24,357	26,814	29,734	31,960	34,335	37,696	40,152
White, non-Hispanics .....	17,002	18,464	20,509	22,154	24,141	25,894	27,968	29,754	31,517
Asians/Pacific Islanders .....	600	709	830	962	1,519	1,727	1,594	2,330	2,428
Underrepresented minorities, total .....	1,667	1,867	2,084	2,528	2,784	3,159	3,226	4,065	4,450
Black, non-Hispanics .....	1,004	1,092	1,251	1,431	1,609	1,804	1,910	2,384	2,537
Hispanics .....	572	685	718	967	1,049	1,205	1,150	1,488	1,683
American Indians or Alaskan Natives .....	91	90	115	130	126	150	166	193	230
U.S. citizens and permanent residents, unknown race/ethnicity .....	891	863	934	1,170	1,290	1,180	1,547	1,547	1,757
Nonresident aliens <sup>2</sup> .....	1,238	1,310	1,466	1,500	1,747	1,515	1,679	1,578	1,844
Men									
Total .....	4,499	4,714	5,248	5,874	6,793	6,980	7,697	8,692	9,406
U.S. citizens and permanent residents, total <sup>1</sup> .....	3,956	4,175	4,638	5,274	6,078	6,352	7,011	8,101	8,743
White, non-Hispanics .....	3,215	3,399	3,807	4,216	4,658	4,870	5,557	6,084	6,654
Asians/Pacific Islanders .....	170	215	222	295	578	615	501	780	710
Underrepresented minorities, total .....	362	352	399	495	568	608	621	876	974
Black, non-Hispanics .....	194	171	207	220	280	298	325	433	486
Hispanics .....	146	158	172	250	261	271	264	393	423
American Indians or Alaskan Natives .....	22	23	20	25	27	39	32	50	65
U.S. citizens and permanent residents, unknown race/ethnicity .....	209	209	210	268	274	259	332	361	405
Nonresident aliens <sup>2</sup> .....	543	539	610	600	715	628	686	591	663
Women									
Total .....	16,899	18,499	20,575	22,440	24,688	26,495	28,317	30,582	32,590
U.S. citizens and permanent residents, total <sup>1</sup> .....	16,204	17,728	19,719	21,540	23,656	25,608	27,324	29,595	31,409
White, non-Hispanics .....	13,787	15,065	16,702	17,938	19,483	21,024	22,411	23,670	24,863
Asians/Pacific Islanders .....	430	494	608	667	941	1,112	1,093	1,550	1,718
Underrepresented minorities, total .....	1,305	1,515	1,685	2,033	2,216	2,551	2,605	3,189	3,476
Black, non-Hispanics .....	810	921	1,044	1,211	1,329	1,506	1,585	1,951	2,051
Hispanics .....	426	527	546	717	788	934	886	1,095	1,260
American Indians or Alaskan Natives .....	69	67	95	105	99	111	134	143	165
U.S. citizens and permanent residents, unknown race/ethnicity .....	682	654	724	902	1,016	921	1,215	1,186	1,352
Nonresident aliens <sup>2</sup> .....	695	771	856	900	1,032	887	993	987	1,181

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total										
Total .....	1,041	1,112	1,197	1,296	1,330	1,324	1,422	1,501	1,404	1,589
U.S. citizens and permanent residents, total <sup>1</sup> .....	839	855	939	1,050	1,044	1,016	1,027	1,153	1,039	1,188
White, non-Hispanics .....	720	735	800	867	836	823	827	930	832	954
Asians/Pacific Islanders .....	44	52	45	94	93	87	87	85	85	99
Underrepresented minorities, total .....	61	56	89	77	99	91	93	106	108	113
Black, non-Hispanics .....	40	38	59	46	60	49	55	65	56	75
Hispanics .....	16	13	24	25	30	38	32	37	46	34
American Indians or Alaskan Natives .....	5	5	6	6	9	4	6	4	6	4
U.S. citizens and permanent residents, unknown race/ethnicity .....	14	12	5	12	16	15	20	32	14	22
Nonresident aliens <sup>2</sup> .....	171	226	214	230	246	267	273	287	286	306
Citizenship unknown .....	31	31	44	16	40	41	122	61	79	95
Men										
Total .....	369	394	408	444	478	456	470	489	498	524
U.S. citizens and permanent residents, total <sup>1</sup> .....	252	226	260	328	325	293	287	310	324	341
White, non-Hispanics .....	199	177	208	258	234	212	219	235	255	271
Asians/Pacific Islanders .....	21	22	22	48	52	47	37	35	38	36
Underrepresented minorities, total .....	27	21	26	19	35	30	25	27	27	25
Black, non-Hispanics .....	17	14	18	11	18	13	15	14	12	14
Hispanics .....	7	4	8	7	15	16	8	12	15	10
American Indians or Alaskan Natives .....	3	3	0	1	2	1	2	1	0	1
U.S. citizens and permanent residents, unknown race/ethnicity .....	5	6	4	3	4	4	6	13	4	9
Nonresident aliens <sup>2</sup> .....	101	158	138	109	140	147	135	156	139	143
Citizenship unknown .....	16	10	10	7	13	16	48	23	35	40
Women										
Total .....	668	710	777	843	843	860	936	1,006	897	1,063
U.S. citizens and permanent residents, total <sup>1</sup> .....	587	629	679	722	719	723	739	843	715	847
White, non-Hispanics .....	521	558	592	609	602	611	608	695	577	683
Asians/Pacific Islanders .....	23	30	23	46	41	40	50	50	47	63
Underrepresented minorities, total .....	34	35	63	58	64	61	68	79	81	88
Black, non-Hispanics .....	23	24	41	35	42	36	40	51	44	61
Hispanics .....	9	9	16	18	15	22	24	25	31	24
American Indians or Alaskan Natives .....	2	2	6	5	7	3	4	3	6	3
U.S. citizens and permanent residents, unknown race/ethnicity .....	9	6	1	9	12	11	13	19	10	13
Nonresident aliens <sup>2</sup> .....	70	67	76	115	104	116	138	130	147	163
Citizenship unknown .....	11	14	22	6	20	21	59	33	35	53

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	72,636	74,801	76,068	76,000	76,457	77,505	79,169	78,945	79,578
U.S. citizens and permanent residents, total <sup>1</sup> .....	71,550	73,459	74,520	74,563	74,846	75,873	77,515	77,162	77,720
White, non-Hispanics .....	59,692	59,869	60,338	58,476	58,239	58,179	58,769	57,551	56,708
Asians/Pacific Islanders .....	3,772	4,757	5,107	5,759	6,277	6,513	7,234	7,547	8,189
Underrepresented minorities, total .....	6,984	7,334	8,075	8,314	8,877	9,501	9,846	10,001	10,194
Black, non-Hispanics .....	3,535	3,568	4,078	4,329	4,657	4,905	5,153	5,310	5,292
Hispanics .....	3,191	3,472	3,632	3,623	3,816	4,143	4,192	4,147	4,361
American Indians or Alaskan Natives .....	258	294	365	362	404	453	501	544	541
U.S. citizens and permanent residents, unknown race/ethnicity .....	1,102	1,499	1,000	2,014	1,453	1,680	1,666	2,063	2,629
Nonresident aliens <sup>2</sup> .....	1,086	1,342	1,548	1,437	1,611	1,632	1,654	1,783	1,858
Men									
Total .....	44,226	45,459	45,565	45,068	45,193	45,182	45,747	45,033	43,976
U.S. citizens and permanent residents, total <sup>1</sup> .....	43,464	44,511	44,462	44,053	44,112	44,064	44,619	43,886	42,800
White, non-Hispanics .....	36,926	37,089	36,896	35,526	35,409	34,972	35,077	34,007	32,324
Asians/Pacific Islanders .....	2,171	2,728	2,831	3,139	3,423	3,483	3,887	3,903	4,185
Underrepresented minorities, total .....	3,663	3,831	4,122	4,155	4,388	4,589	4,679	4,762	4,819
Black, non-Hispanics .....	1,653	1,620	1,777	1,851	2,036	2,058	2,139	2,229	2,210
Hispanics .....	1,868	2,054	2,156	2,088	2,134	2,281	2,258	2,251	2,335
American Indians or Alaskan Natives .....	142	157	189	216	218	250	282	282	274
U.S. citizens and permanent residents, unknown race/ethnicity .....	704	863	613	1,233	892	1,020	976	1,214	1,472
Nonresident aliens <sup>2</sup> .....	762	948	1,103	1,015	1,081	1,118	1,128	1,147	1,176
Women									
Total .....	28,410	29,342	30,503	30,932	31,264	32,323	33,422	33,912	35,602
U.S. citizens and permanent residents, total <sup>1</sup> .....	28,086	28,948	30,058	30,510	30,734	31,809	32,896	33,276	34,920
White, non-Hispanics .....	22,766	22,780	23,442	22,950	22,830	23,207	23,692	23,544	24,384
Asians/Pacific Islanders .....	1,601	2,029	2,276	2,620	2,854	3,030	3,347	3,644	4,004
Underrepresented minorities, total .....	3,321	3,503	3,953	4,159	4,489	4,912	5,167	5,239	5,375
Black, non-Hispanics .....	1,882	1,948	2,301	2,478	2,621	2,847	3,014	3,081	3,082
Hispanics .....	1,323	1,418	1,476	1,535	1,682	1,862	1,934	1,896	2,026
American Indians or Alaskan Natives .....	116	137	176	146	186	203	219	262	267
U.S. citizens and permanent residents, unknown race/ethnicity .....	398	636	387	781	561	660	690	849	1,157
Nonresident aliens <sup>2</sup> .....	324	394	445	422	530	514	526	636	682

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	28,183	28,303	29,475	29,680	30,757	31,250	32,114	33,566	35,772
U.S. citizens and permanent residents, total <sup>1</sup> .....	27,677	27,600	28,693	28,861	29,867	30,329	31,226	32,536	34,829
White, non-Hispanics .....	21,958	21,333	22,076	21,730	22,242	22,314	23,187	23,351	24,367
Asians/Pacific Islanders .....	2,472	2,909	3,317	3,637	3,996	4,075	4,127	4,901	5,627
Underrepresented minorities, total .....	2,777	2,840	2,915	3,000	3,110	3,412	3,469	3,714	3,973
Black, non-Hispanics .....	1,285	1,288	1,350	1,437	1,525	1,646	1,800	1,859	1,998
Hispanics .....	1,381	1,417	1,426	1,432	1,461	1,600	1,472	1,646	1,754
American Indians or Alaskan Natives .....	111	135	139	131	124	166	197	209	221
U.S. citizens and permanent residents, unknown race/ethnicity .....	470	518	385	494	519	528	443	570	862
Nonresident aliens <sup>2</sup> .....	506	703	782	819	890	921	888	1,030	943
Men									
Total .....	17,777	17,694	17,704	17,565	17,975	17,927	18,308	18,784	19,260
U.S. citizens and permanent residents, total <sup>1</sup> .....	17,449	17,220	17,194	17,034	17,424	17,335	17,719	18,164	18,728
White, non-Hispanics .....	14,207	13,607	13,608	13,243	13,352	13,215	13,702	13,548	13,543
Asians/Pacific Islanders .....	1,440	1,718	1,859	1,972	2,190	2,217	2,198	2,525	2,867
Underrepresented minorities, total .....	1,479	1,587	1,490	1,504	1,572	1,589	1,583	1,765	1,848
Black, non-Hispanics .....	573	604	556	582	649	621	672	735	772
Hispanics .....	841	907	858	840	858	874	790	916	962
American Indians or Alaskan Natives .....	65	76	76	82	65	94	121	114	114
U.S. citizens and permanent residents, unknown race/ethnicity .....	323	308	237	315	310	314	236	326	470
Nonresident aliens <sup>2</sup> .....	328	474	510	531	551	592	589	620	532
Women									
Total .....	10,406	10,609	11,771	12,115	12,782	13,323	13,806	14,782	16,512
U.S. citizens and permanent residents, total <sup>1</sup> .....	10,228	10,380	11,499	11,827	12,443	12,994	13,507	14,372	16,101
White, non-Hispanics .....	7,751	7,726	8,468	8,487	8,890	9,099	9,485	9,803	10,824
Asians/Pacific Islanders .....	1,032	1,191	1,458	1,665	1,806	1,858	1,929	2,376	2,760
Underrepresented minorities, total .....	1,298	1,253	1,425	1,496	1,538	1,823	1,886	1,949	2,125
Black, non-Hispanics .....	712	684	794	855	876	1,025	1,128	1,124	1,226
Hispanics .....	540	510	568	592	603	726	682	730	792
American Indians or Alaskan Natives .....	46	59	63	49	59	72	76	95	107
U.S. citizens and permanent residents, unknown race/ethnicity .....	147	210	148	179	209	214	207	244	392
Nonresident aliens <sup>2</sup> .....	178	229	272	288	339	329	299	410	411

<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: 1991-2000**

Citizenship and race/ethnicity	1991	1992	1993	1994	1995	1996	1997	1998	2000
Total									
Total .....	44,453	46,498	46,593	46,320	45,700	46,255	47,055	45,379	43,806
U.S. citizens and permanent residents, total <sup>1</sup> .....	43,873	45,859	45,827	45,702	44,979	45,544	46,289	44,626	42,891
White, non-Hispanics .....	37,734	38,536	38,262	36,746	35,997	35,865	35,582	34,200	32,341
Asians/Pacific Islanders .....	1,300	1,848	1,790	2,122	2,281	2,438	3,107	2,646	2,562
Underrepresented minorities, total .....	4,207	4,494	5,160	5,314	5,767	6,089	6,377	6,287	6,221
Black, non-Hispanics .....	2,250	2,280	2,728	2,892	3,132	3,259	3,353	3,451	3,294
Hispanics .....	1,810	2,055	2,206	2,191	2,355	2,543	2,720	2,501	2,607
American Indians or Alaskan Natives .....	147	159	226	231	280	287	304	335	320
U.S. citizens and permanent residents, unknown race/ethnicity .....	632	981	615	1,520	934	1,152	1,223	1,493	1,767
Nonresident aliens <sup>2</sup> .....	580	639	766	618	721	711	766	753	915
Men									
Total .....	26,449	27,765	27,861	27,503	27,218	27,255	27,439	26,249	24,716
U.S. citizens and permanent residents, total <sup>1</sup> .....	26,015	27,291	27,268	27,019	26,688	26,729	26,900	25,722	24,072
White, non-Hispanics .....	22,719	23,482	23,288	22,283	22,057	21,757	21,375	20,459	18,781
Asians/Pacific Islanders .....	731	1,010	972	1,167	1,233	1,266	1,689	1,378	1,318
Underrepresented minorities, total .....	2,184	2,244	2,632	2,651	2,816	3,000	3,096	2,997	2,971
Black, non-Hispanics .....	1,080	1,016	1,221	1,269	1,387	1,437	1,467	1,494	1,438
Hispanics .....	1,027	1,147	1,298	1,248	1,276	1,407	1,468	1,335	1,373
American Indians or Alaskan Natives .....	77	81	113	134	153	156	161	168	160
U.S. citizens and permanent residents, unknown race/ethnicity .....	381	555	376	918	582	706	740	888	1,002
Nonresident aliens <sup>2</sup> .....	434	474	593	484	530	526	539	527	644
Women									
Total .....	18,004	18,733	18,732	18,817	18,482	19,000	19,616	19,130	19,090
U.S. citizens and permanent residents, total <sup>1</sup> .....	17,858	18,568	18,559	18,683	18,291	18,815	19,389	18,904	18,819
White, non-Hispanics .....	15,015	15,054	14,974	14,463	13,940	14,108	14,207	13,741	13,560
Asians/Pacific Islanders .....	569	838	818	955	1,048	1,172	1,418	1,268	1,244
Underrepresented minorities, total .....	2,023	2,250	2,528	2,663	2,951	3,089	3,281	3,290	3,250
Black, non-Hispanics .....	1,170	1,264	1,507	1,623	1,745	1,822	1,886	1,957	1,856
Hispanics .....	783	908	908	943	1,079	1,136	1,252	1,166	1,234
American Indians or Alaskan Natives .....	70	78	113	97	127	131	143	167	160
U.S. citizens and permanent residents, unknown race/ethnicity .....	251	426	239	602	352	446	483	605	765
Nonresident aliens <sup>2</sup> .....	146	165	173	134	191	185	227	226	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 Integrated 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>	<b>Aeronautical/Astronautical Engineering</b>
14.02 Aerospace, Aeronautical, and Astronautical Engineering	300 Aerospace, Aeronautical, and Astronautical Engineering
<b>Chemical Engineering</b>	<b>Chemical Engineering</b>
14.07 Chemical Engineering	312 Chemical Engineering
14.25 Petroleum Engineering	366 Petroleum Engineering
14.32 Polymer/Plastics Engineering	369 Polymer and Plastics Engineering
	547 Fuel Technology and Petroleum Engineering
<b>Civil Engineering</b>	<b>Civil Engineering</b>
14.04 Architectural Engineering	315 Civil Engineering
14.08 Civil Engineering	336 Environmental Health Engineering
14.14 Environmental/Environmental Health Engineering	
<b>Electrical Engineering</b>	<b>Electrical Engineering</b>
14.09 Computer Engineering	318 Communications Engineering
14.10 Electrical, Electronics, and Communications Engineering	321 Computer Engineering
	322 Electrical Engineering
	323 Electronics Engineering
	324 Electrical and Electronics Engineering
<b>Industrial Engineering</b>	<b>Industrial Engineering</b>
14.17 Industrial/Manufacturing Engineering	339 Industrial and Manufacturing Engineering
14.30 Engineering/Industrial Management	
<b>Mechanical Engineering</b>	<b>Mechanical Engineering</b>
14.11 Engineering Mechanics	327 Engineering Mechanics
14.19 Mechanical Engineering	345 Mechanical Engineering
<b>Materials/Metallurgical Engineering</b>	<b>Materials/Metallurgical Engineering</b>
14.06 Ceramic Sciences and Engineering	309 Ceramic Sciences
14.18 Materials Engineering	342 Materials Science
14.20 Metallurgical Engineering	348 Metallurgical Engineering
14.31 Materials Science	
40.0701 Metallurgy	
<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

**Current Classification Schemes for the Integrated 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
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
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	

**Current Classification Schemes for the Integrated 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>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>	<b>EARTH, ATMOSPHERIC, AND OCEAN SCIENCES</b>
<p><b>Atmospheric Sciences</b> 40.04 Atmospheric Sciences and Meteorology</p> <p><b>Geosciences</b> 40.0601 Geology 40.0602 Geochemistry 40.0603 Geophysics and Seismology 40.0604 Paleontology 40.0699 Geological and Related Sciences, Other 40.0703 Earth and Planetary Sciences</p> <p><b>Oceanography</b> 40.0702 Oceanography</p>	<p><b>Atmospheric Sciences</b> 510 Atmospheric Physics and Chemistry 512 Atmospheric Dynamics 514 Meteorology 518 Atmospheric Science/Meteorology, General 519 Atmospheric Science/Meteorology, Other</p> <p><b>Geosciences</b> 540 Geology 542 Geochemistry 544 Geophysics and Seismology 545 Geophysics (Solid Earth) 546 Paleontology 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</p> <p><b>Oceanography</b> 590 Oceanography 595 Marine Sciences</p> <p><b>Other Environmental Sciences</b> 580 Environmental Science</p>
<b>MATHEMATICAL/COMPUTER SCIENCES</b>	<b>MATHEMATICAL/COMPUTER SCIENCES</b>
<p><b>Mathematics</b> 27.01 Mathematics, General 27.03 Applied Mathematics 27.05 Mathematical Statistics 27.99 Mathematics, Other 52.0802 Actuarial Science 52.1302 Business Statistics</p> <p><b>Computer Science</b> 11.01 Computer and Information Sciences, General 11.02 Computer Programming</p>	<p><b>Mathematics</b> 420 Applied Mathematics 425 Algebra 430 Analysis and Functional Analysis 435 Geometry 440 Logic 445 Number Theory 450 Mathematical Statistics 455 Topology 460 Computing Theory and Practice 465 Operations Research 498 Mathematics, General 499 Mathematics, Other</p> <p><b>Computer Science</b> 400 Computer Science 410 Information Science and Systems</p>

**Current Classification Schemes for the Integrated 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
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> 02.01 Agriculture/Agricultural Sciences, General 02.02 Animal Sciences 02.03 Food Sciences and Technology 02.04 Plant Sciences 02.05 Soil Sciences 02.99 Agriculture/Agricultural Sciences, Other 03.01 Natural Resources Conservation 03.02 Natural Resources Management and Protective Services 03.03 Fishing and Fisheries Sciences and Management 03.05 Forestry and Related Sciences 03.06 Wildlife and Wildlands Management 03.99 Conservation and Renewable Natural Resources, Other	<b>Agricultural Sciences</b> 005 Animal Breeding and Genetics 007 Animal Husbandry 010 Animal Nutrition 012 Dairy Science 014 Poultry Science 019 Animal Sciences, Other 020 Agronomy and Crop Science 025 Plant Breeding and Genetics 030 Plant Pathology 032 Plant Protection/Pest Management 039 Plant Sciences, Other 040 Food Sciences 042 Food Distribution 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

**Current Classification Schemes for the Integrated 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>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
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

**Current Classification Schemes for the Integrated 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>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
<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

**Current Classification Schemes for the Integrated 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>Other Social Sciences</b></p> <p>05 Area, Ethnic, and Cultural Studies            16.0102 Linguistics            30.1101 Gerontology            30.1501 Science, Technology, and Society            45.01 Social Sciences, General            45.02 Anthropology            45.03 Archeology            45.04 Criminology            45.07 Geography            45.0804 History and Philosophy of Science and                              Technology            45.12 Urban Affairs/Studies            45.99 Social Sciences and History, Other</p> <p align="center"><b>NON-S&amp;E</b></p> <p>01 Agricultural Business and Production            04 Architecture and Related Programs            08 Marketing Operations/Marketing and Distribution            09 Communications            10 Communications Technologies            12 Personal and Miscellaneous Services            13 Education            15 Engineering-Related Technologies            16 Foreign Languages and Literatures            17 Allied Health            18 Health Professions and Related Sciences                (Including Dentistry, Medicine, Optometry,                Osteopathic Medicine, Pharmacy, Podiatry or                Podiatric Medicine or Chiropody, Veterinary                Medicine, Chiropractic, Allied Health)            19 Home Economics            20 Vocational Home Economics</p>	<p><b>Other Social Sciences</b></p> <p>650 Anthropology            652 Area Studies            658 Criminology            670 Geography            690 Statistics            694 Urban Affairs/Studies            698 Social Sciences, General            699 Social Sciences, Other            710 History and Philosophy of Science and                              Technology            729 Linguistics            770 American Studies            773 Archeology</p> <p align="center"><b>NON-S&amp;E</b></p> <p><b>MEDICAL SCIENCES</b></p> <p>205 Dentistry            210 Environmental Health            215 Public Health            219 Public Health and Epidemiology            220 Epidemiology            225 Medicine and Surgery            235 Optometry and Ophthalmology            240 Pharmacy            250 Veterinary Science</p> <p><b>OTHER HEALTH SCIENCES</b></p> <p>200 Speech/Language Pathology and Audiology            212 Health Systems/Services Administration            224 Hospital Administration            230 Nursing            245 Rehabilitation/Therapeutic Services</p>



**Current Classification Schemes for the Integrated 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	
22	Law and Legal Studies	298	Health Sciences, General
23	English Language and Literature/Letters	299	Health Sciences, Other
24	Liberal/General Studies		
25	Library and Archival Sciences		
28	Reserve Officer Training Corps (ROTC)		
29	Military Technologies		
30	Multi-/Interdisciplinary Studies		
31	Parks, Recreation, Leisure, and Fitness Studies		
38	Philosophy and Religion		
39	Theological Studies and Religious Vocations		
41	Science Technologies		
43	Protective Services		
44	Public Administration and Services (Does not include Parks and Recreation Management, and Law Enforcement and Correction)		
46	Construction Trades		
47	Mechanics and Repairers		
48	Precision Production Trades		
49	Transportation and Materials Moving Workers		
50	Visual and Performing Arts		
52	Business Management and Administrative Services		
			<b>HISTORY</b>
		700	History, American
		705	History, European
		718	History, General
		719	History, Other
			<b>ENGLISH AND LITERATURE</b>
		720	Classics
		723	Comparative Literature
		725	English and American Literature
		732	Literature, American
		733	Literature, English
		734	English Language
		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
			<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

**Current Classification Schemes for the Integrated 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
	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
	<b>BUSINESS AND MANAGEMENT</b>
	002 Agricultural Business and Management
	900 Accounting
	905 Banking/Financial Support Services
	910 Business Administration and Management
	915 Business/Managerial Economics
	917 Management Information Systems/Business Data Processing
	920 Marketing Management and Research
	925 Business Statistics
	930 Operations Research (See also 363, 465)
	935 Organizational Behavior (See also 621)
	938 Business Management/ Administrative Services, General
	939 Business Management/ Administrative Services, Other
	<b>INFORMATION FIELDS (JOURNALISM, BROADCASTING, LIBRARIANSHIP)</b>
	940 Communications Research
	945 Journalism
	947 Mass Communications
	950 Radio and Television
	957 Communication Theory
	958 Communications, General
	959 Communications, Other
	972 Library Science
	<b>LAW</b>
	968 Law
	<b>SOCIAL SERVICE PROFESSIONS</b>
	980 Social Service Professions

**Current Classification Schemes for the Integrated 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>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>