

Appendix A: Select Data Compendium

Commission on Professionals in Science and Technology

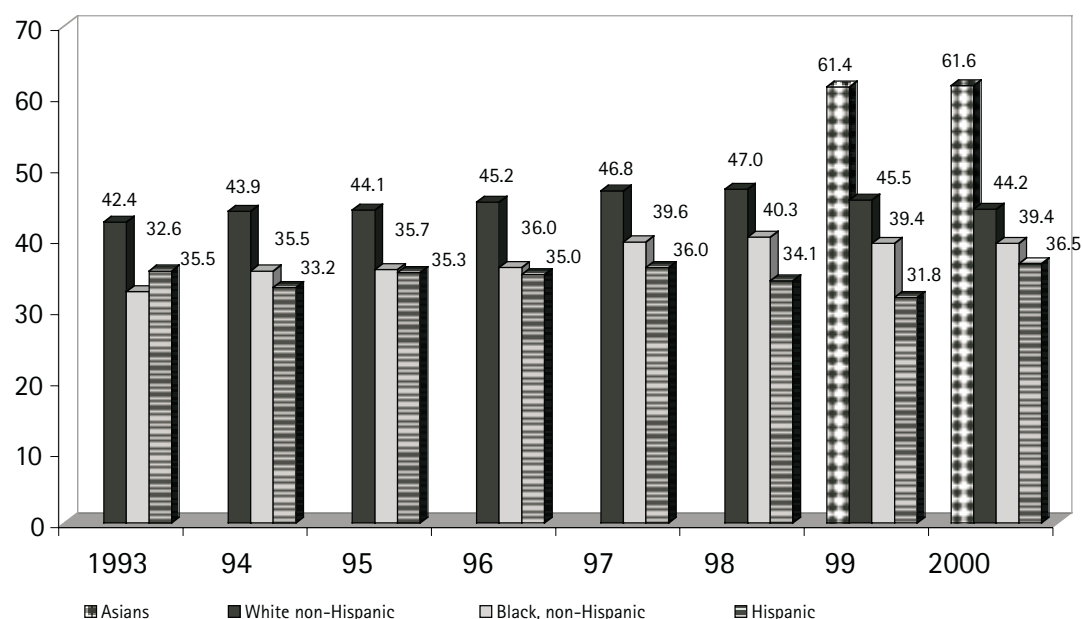
Evidence of Underparticipation

Sex, Race/Ethnicity and Disabilities	Percentage U.S. Population 1999	Percentage Total Workforce 1999	Percentage S&E Workforce 1999
White men	35.2	39.9	63.2
White women	36.7	34.8	18.6
Asian men	1.8	2.0	8.4
Asian women	2	1.8	2.6
Black men	5.7	4.9	2.1
Black women	6.4	5.9	1.3
Hispanic men	5.8	5.9	2.4
Hispanic women	5.7	4.2	1.0
American Indian men	0.4	N.A.	0.2
American Indian women	0.4	N.A.	0.1
Persons with disabilities	~20	N.A.	N.A.

Source: CPST, data derived from National Science Foundation, SESTAT and U.S. Census Bureau, Current Population Survey, March 1999, and NSB, 2002.

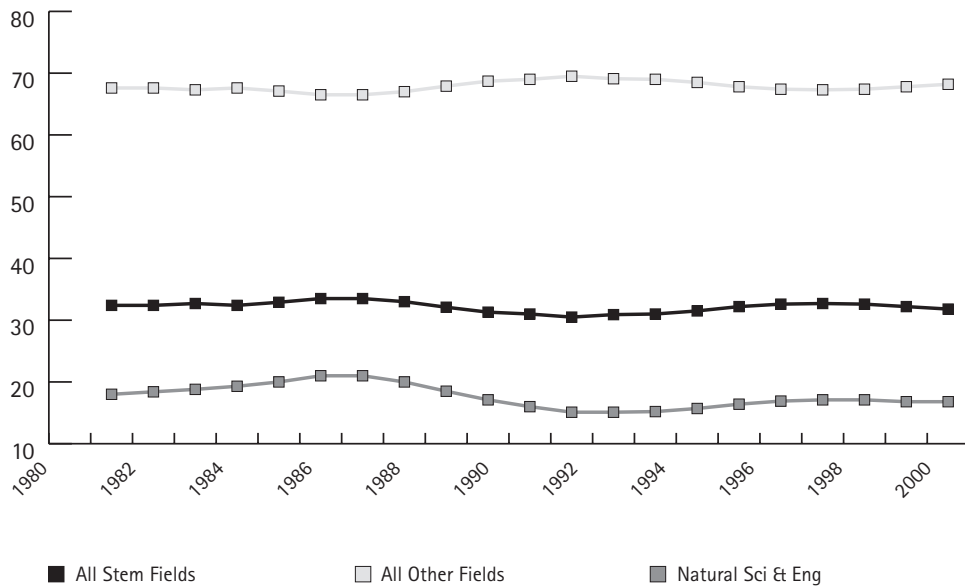
Note: Totals may not add to 100 due to rounding.

Enrolled in College Participation Rates for 18-to-24-Year Old High School Graduates by Race and Ethnicity: 1993–2000



Source: CPST, data derived from U.S. Bureau of the Census

Percentage of Bachelor's Degrees Awarded in STEM and Other Fields, 1980–2000



Source: CPST, data derived from NSF Web CASPAR

African American Top 15 Baccalaureate Awarding Institutions in the Physical Sciences

1. Xavier University
2. Howard University
3. Tennessee State
4. Lincoln Univ
5. Jackson State
6. CUNY City College
7. Spelman College
8. Dillard Univ
9. Florida A&M
10. North Carolina State
11. Southern University and A&M College
12. Morehouse College
13. Georgia Southern U
14. Fisk Univ
15. Georgia State

Source: CPST, data derived from NSF Web CASPAR

African American Top 15 Baccalaureate Awarding Institutions in the Biological and Life Sciences

1. Xavier University
2. Howard University
3. Hampton University
4. Jackson State Univ.
5. South Carolina State
6. Univ. of MD College Park
7. Florida A&M Univ.
8. Tuskegee Univ
9. Tennessee State
10. Prairie View A&M
11. Alcorn State
12. Morehouse College
13. Grambling State
14. Oakwood College
15. Georgia State

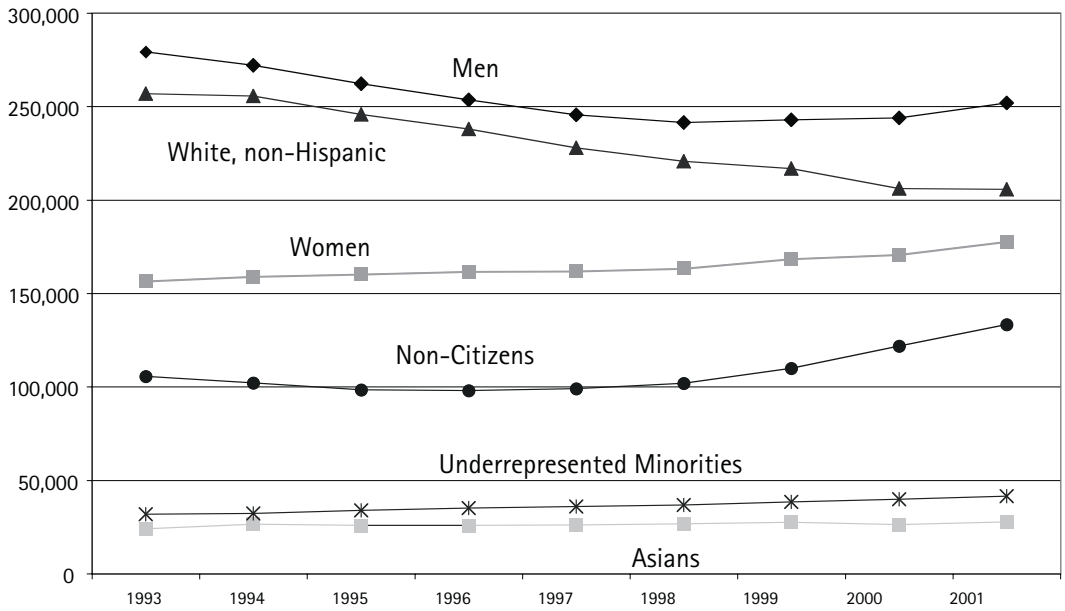
Source: CPST, data derived from NSF Web CASPAR

African American Top 15 Baccalaureate Awarding Institutions in Engineering

- | | |
|----------------------------------|----------------------|
| 1. Georgia Tech | 9. Univ. of Mich |
| 2. North Carolina A&T | 10. Mich. State |
| 3. Florida A&M | 11. Tennessee State |
| 4. Morgan State Univ | 12. Clemson Univ |
| 5. Tuskegee Univ | 13. VA Tech |
| 6. Southern Univ and A&M College | 14. Univ of Maryland |
| 7. Prairie View A&M | 15. Univ of Florida |
| 8. North Carolina State | |

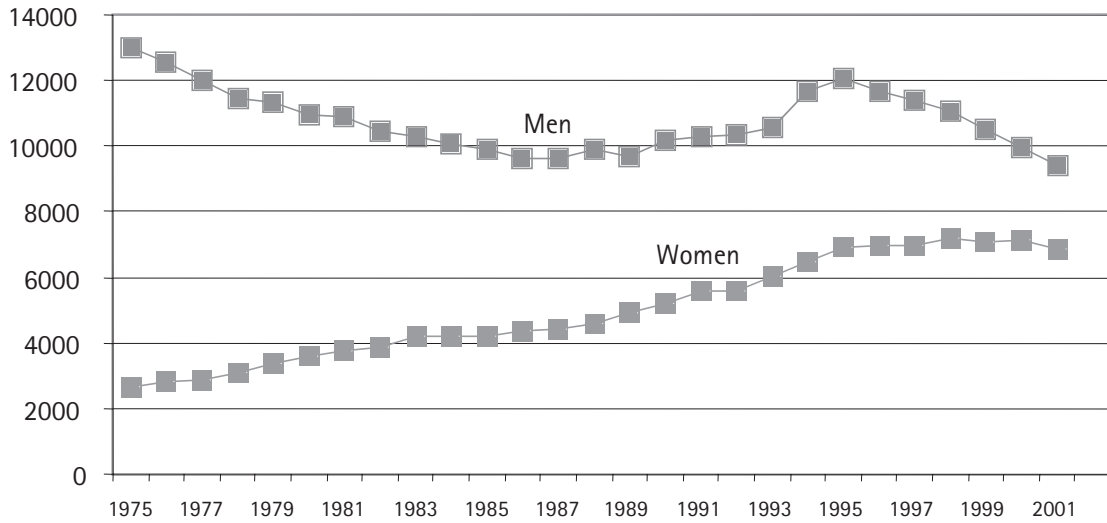
Source: CPST, data derived from NSF Web CASPAR

Graduate Enrollment in Science and Engineering, 1993–2001



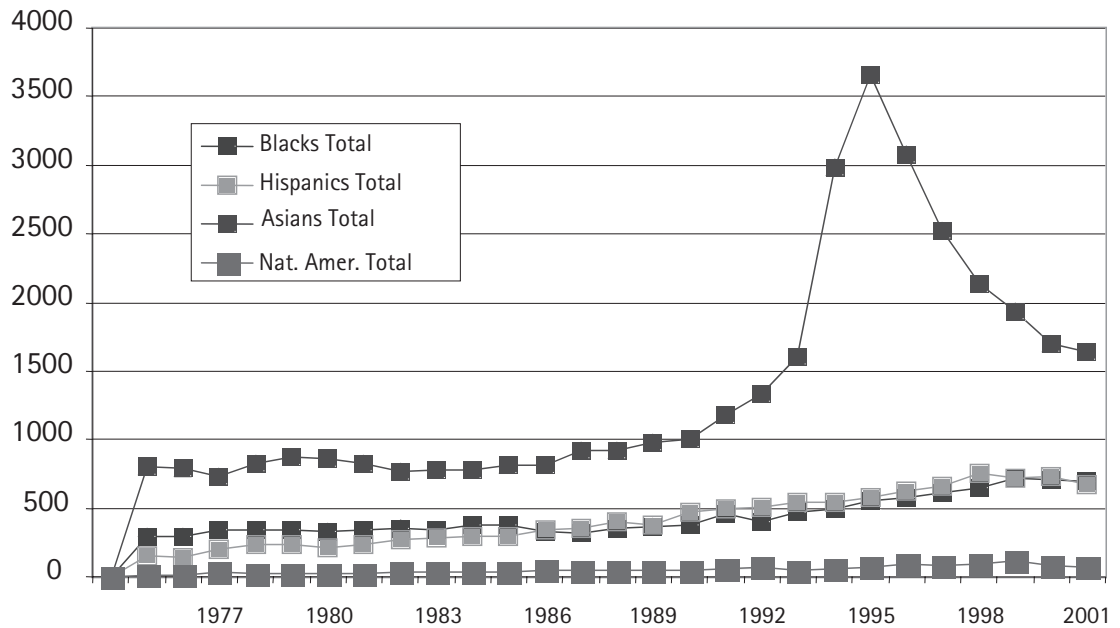
Source: CPST, data derived from National Science Foundation

PhDs in S&E by Gender, 1975–2001 (U.S. Citizens and Permanent Residents Only)



Source: CPST, data derived from National Science Foundation.

PhDs Awarded in S&E by Race/Ethnicity, 1975–2001 (U.S. Citizens & Permanent Residents Only)



Source: CPST, data derived from National Science Foundation

African American Top 15 Baccalaureate Origin Institutions of Science and Engineering Doctorate Recipients, 1997–2001

- | | |
|-----------------------------------|--------------------------|
| 1. Howard University | 9. UC-Berkeley |
| 2. Spelman College | 10. Univ of Maryland |
| 3. Hampton University | 11. Univ of Michigan |
| 4. Morehouse College | 12. Stanford Univ |
| 5. MIT | 13. Xavier University |
| 6. Harvard Univ | 14. Jackson State Univ |
| 7. North Carolina A&T State Univ. | 15. North Carolina State |
| 8. Southern Univ | |

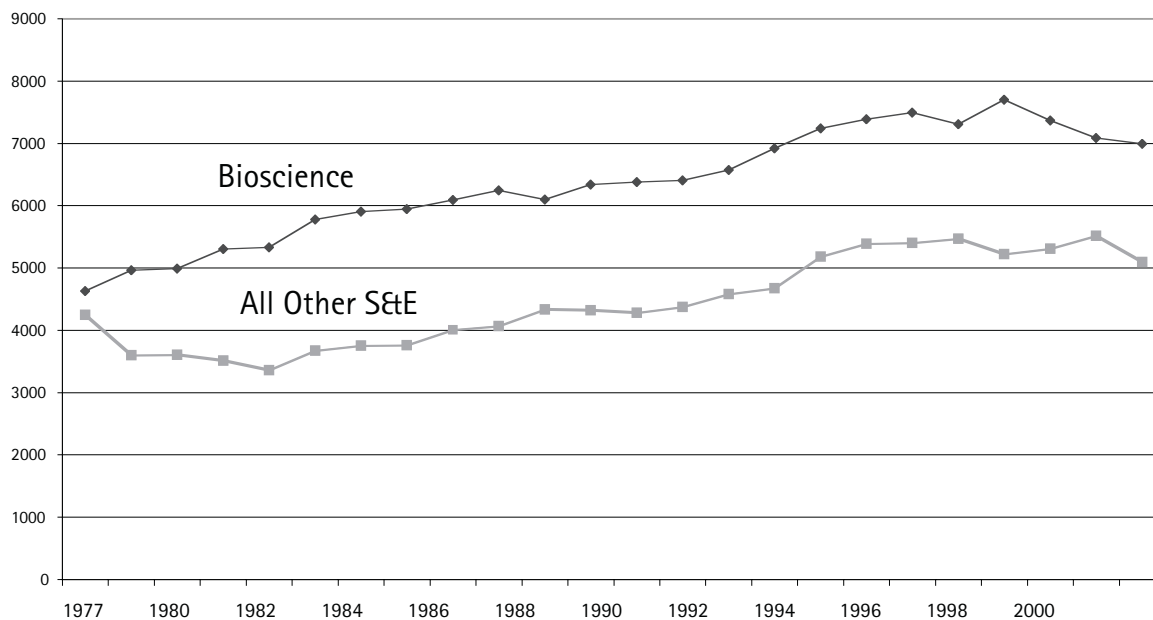
Source: CPST, data derived from NSF Web CASPAR

Hispanic American Top 15 Baccalaureate Origin Institutions of Science and Engineering Doctorate Recipients, 1997–2001

- | | |
|------------------------------|--------------------------|
| 1. University of PR Piedras | 9. University of Florida |
| 2. University of PR Mayaguez | 10. Cornell University |
| 3. Univ of Texas Austin | 11. Stanford University |
| 4. UC-Berkeley | 12. Univ of TX El Paso |
| 5. MIT | 13. UC-Irvine |
| 6. UCLA | 14. University of Miami |
| 7. Florida International | 15. UC-Davis |
| 8. Texas A&M | |

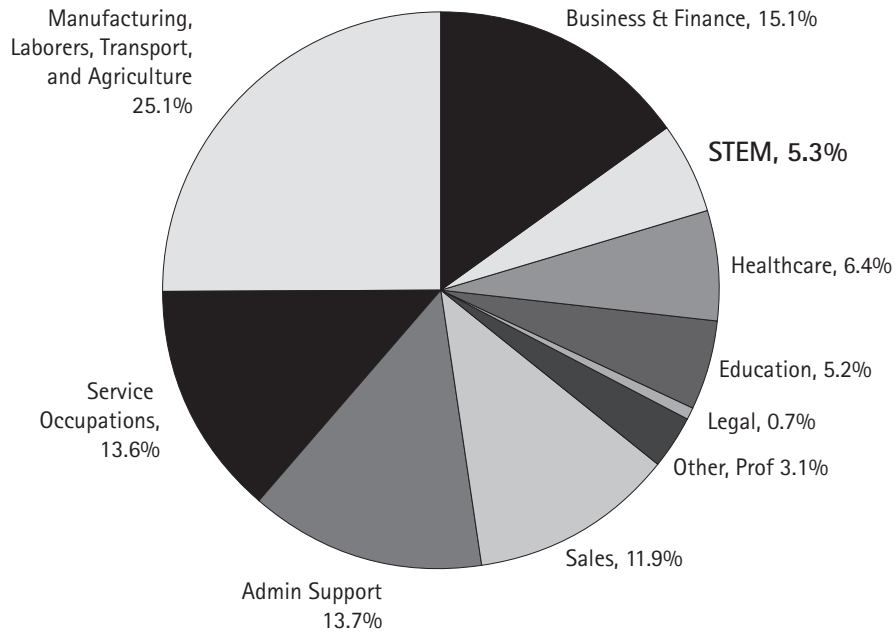
Source: CPST, data derived from NSF Web CASPAR

Comparison of Bioscience Postdocs with All Other S&E Postdocs, 1977–2001 (U.S. Citizens & Permanent Residents only)



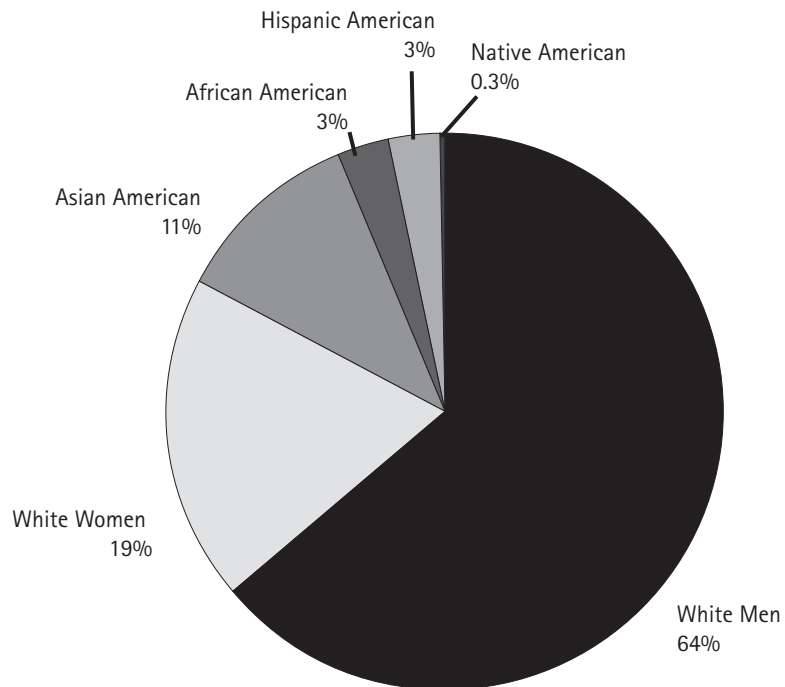
Source: CPST, data derived from NSF, GSS

STEM Workforce as a Percentage of the Total Workforce in the U.S., 2001
 (Total Workforce = 135,073,000)



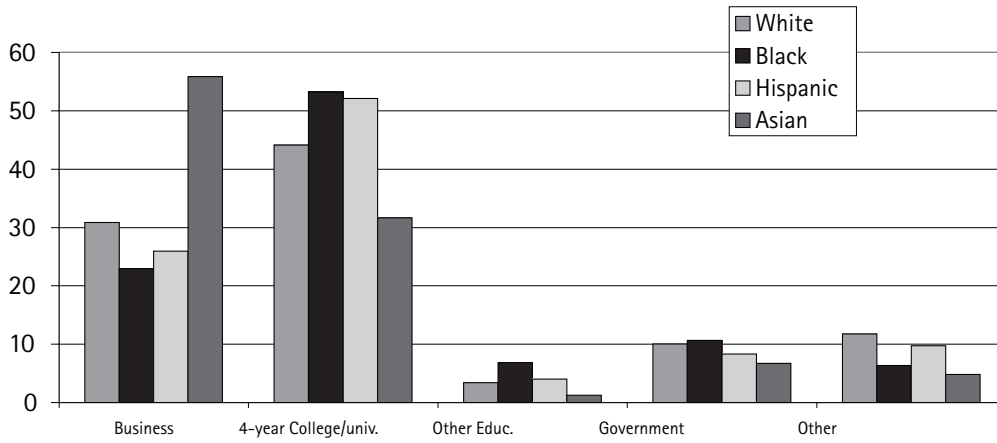
Source: CPST, data derived from Current Population Survey, BLS

Scientists & Engineers in the Labor Force, by Sex and Race/Ethnicity, 1999



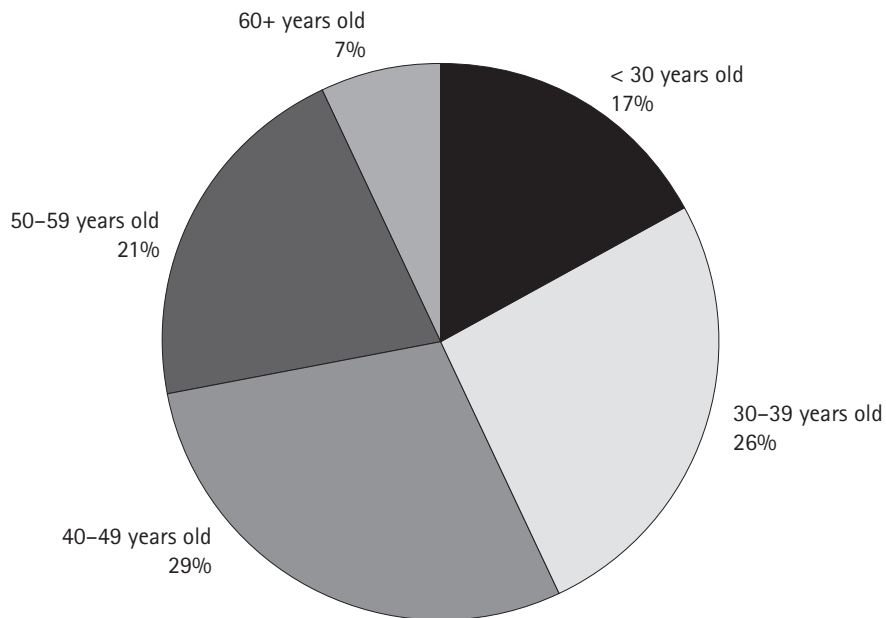
Source: CPST, data derived from NSF SESTAT

Employment Sector of PhD Scientists and Engineers by Race/Ethnicity, 2001



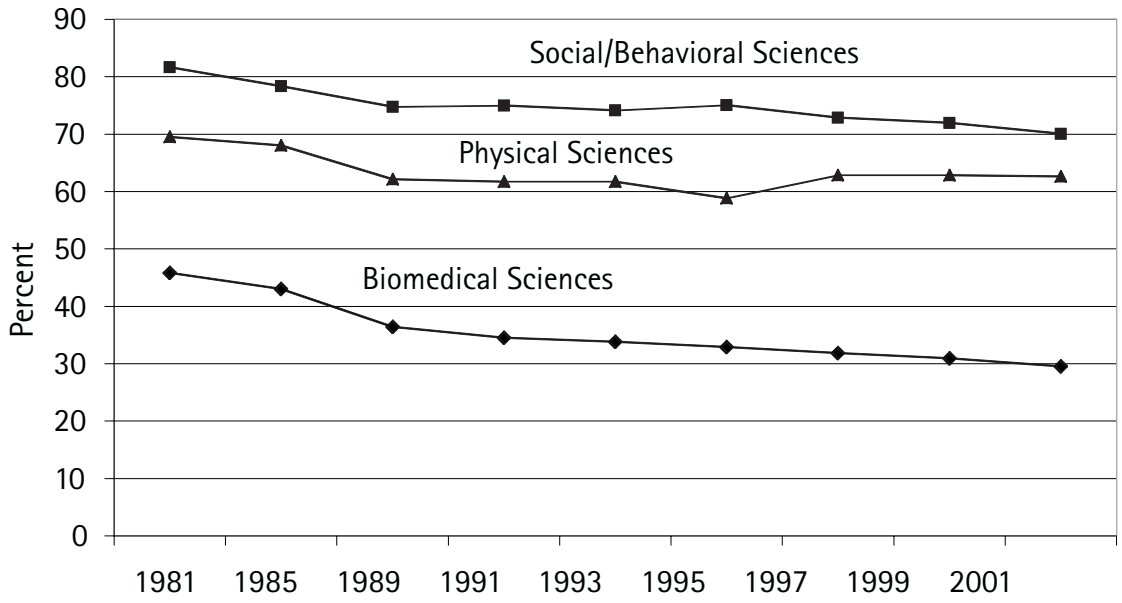
Source: CPST, data derived from National Science Foundation, SESTAT

Employed Scientists and Engineers by Age, 1999



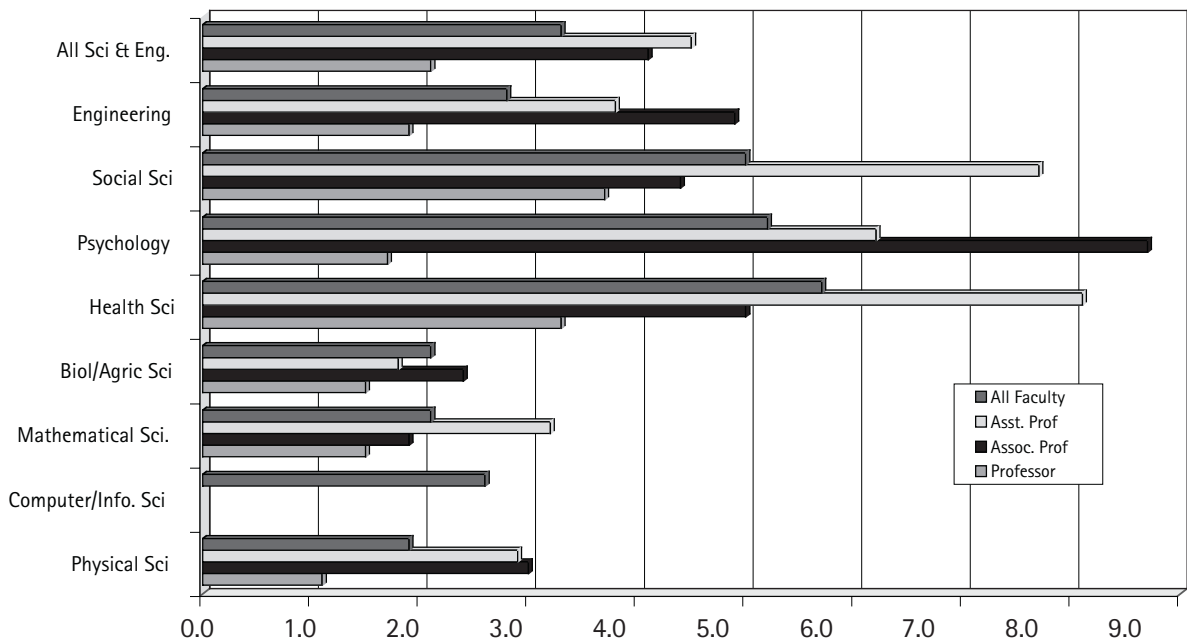
Source: CPST, data derived from NSF SESTAT

Percentage of U.S. PhDs Holding Tenured or Tenure-Track Positions by Field



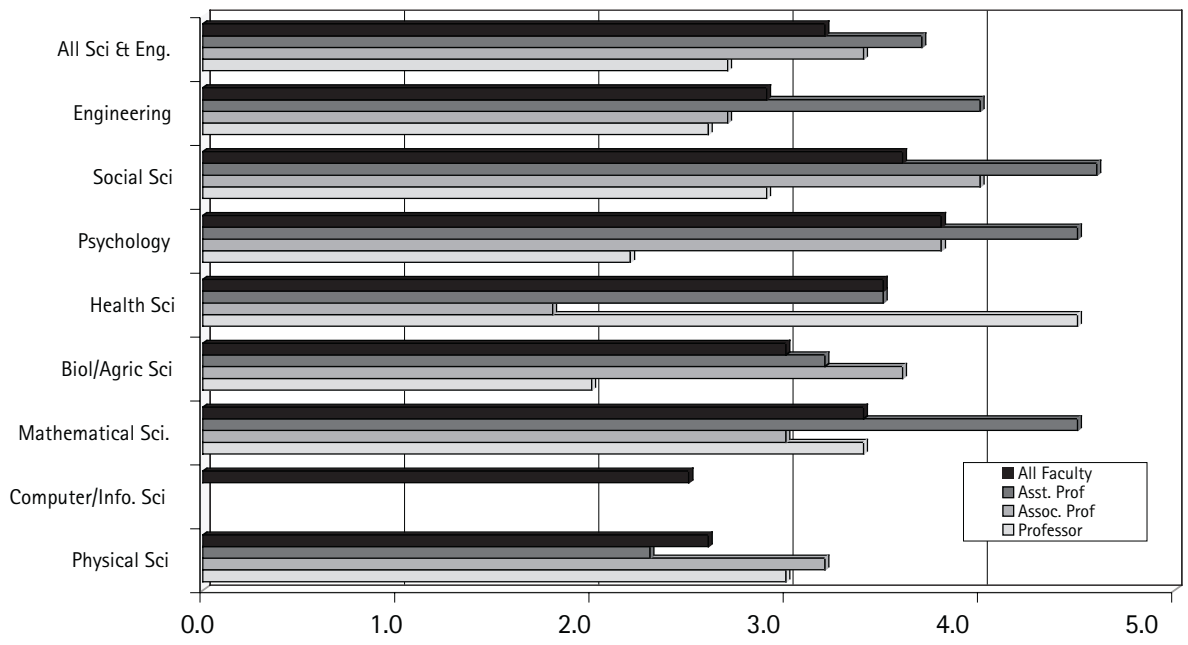
Source: CPST, data derived from NSF, Survey of Doctorate Recipients

Proportion of Blacks Employed in Academe by Field and Rank, 2001



Source: CPST, Data derived from National Science Foundation, SESTAT

Proportion of Hispanics Employed in Academe by Field and Rank, 2001



Source: CPST, Data derived from National Science Foundation, SESTAT

