### Evidence of Underparticipation

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


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


![Enrolled in College Participation Rates](image)

Source: CPST, data derived from U.S. Bureau of the Census
African American Top 15 Baccalaureate Awarding Institutions in the Physical Sciences

1. Xavier University 9. Florida A&M
3. Tennessee State 11. Southern University and A&M College
4. Lincoln Univ 12. Morehouse College
6. CUNY City College 14. Fisk Univ
7. Spelman College 15. Georgia State
8. Dillard Univ

Source: CPST, data derived from NSF Web CASPAR

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

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

Source: CPST, data derived from NSF Web CASPAR
### African American Top 15 Baccalaureate Awarding Institutions in Engineering

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

Source: CPST, data derived from NSF Web CASPAR

### Graduate Enrollment in Science and Engineering, 1993–2001

![Diagram showing trends in graduate enrollment for different groups: Men, Women, Non-Citizens, Underrepresented Minorities, and Asians from 1993 to 2001.](image)

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.

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

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

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)

![Graph对比生物科学博士后与所有其他S&E博士后1977-2001（美国公民和永久居民仅限）](image)

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)

- Business & Finance, 15.1%
- STEM, 5.3%
- Healthcare, 6.4%
- Education, 6.2%
- Legal, 0.7%
- Other, Prof 3.1%
- Sales, 11.9%
- Admin Support 13.7%
- Service Occupations, 13.6%
- Manufacturing, Laborers, Transport, and Agriculture 25.1%

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

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

- White Men 64%
- White Women 19%
- African American 3%
- Asian American 11%
- Hispanic American 3%
- Native American 0.3%

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

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

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

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