

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity  | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|---|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|   |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>All degree levels<sup>1</sup></b>            |                      |                    |           |             |             |             |             |             |           |
| <b>All occupations, total</b> .....             | 10,981,600           | 1,983,100          | 1,713,800 | 1,631,000   | 1,656,300   | 1,561,200   | 1,250,600   | 637,300     | 548,300   |
| White .....                                     | 9,124,600            | 1,510,000          | 1,384,700 | 1,358,400   | 1,403,800   | 1,331,600   | 1,091,400   | 554,300     | 490,400   |
| Black .....                                     | 597,100              | 133,400            | 93,500    | 92,000      | 88,100      | 88,500      | 63,300      | 20,300      | 18,000    |
| Hispanic .....                                  | 417,200              | 124,400            | 80,000    | 64,000      | 54,400      | 47,600      | 24,300      | 12,600      | 9,900     |
| Asian/Pacific Islander .....                    | 805,900              | 204,700            | 149,300   | 111,800     | 105,300     | 88,900      | 68,400      | 48,700      | 28,700    |
| Other .....                                     | 36,800               | 10,500             | 6,400     | 4,800       | 4,800       | 4,700       | 3,200       | 1,300       | 1,300     |
| <b>S&amp;E occupations, total</b> .....         | 3,540,800            | 706,500            | 624,300   | 582,900     | 539,400     | 425,500     | 323,700     | 191,400     | 147,200   |
| White .....                                     | 2,896,600            | 516,100            | 486,100   | 480,100     | 459,600     | 367,900     | 289,400     | 164,900     | 132,400   |
| Black .....                                     | 121,600              | 33,000             | 25,000    | 21,200      | 18,000      | 13,400      | 6,000       | 3,100       | 2,000     |
| Hispanic .....                                  | 120,900              | 38,000             | 26,100    | 21,100      | 15,100      | 10,200      | 4,900       | 3,100       | 2,400     |
| Asian/Pacific Islander .....                    | 390,500              | 115,900            | 84,400    | 59,000      | 45,200      | 33,300      | 22,900      | 19,900      | 10,000    |
| Other .....                                     | 11,300               | 3,600              | 2,700     | 1,400       | 1,500       | 700         | 600         | 400         | 300       |
| <b>Scientists, total</b> .....                  | 2,170,500            | 465,300            | 396,300   | 364,700     | 322,700     | 263,500     | 191,800     | 101,500     | 64,800    |
| White .....                                     | 1,774,200            | 337,900            | 307,800   | 301,000     | 275,000     | 229,800     | 174,500     | 89,100      | 59,100    |
| Black .....                                     | 84,000               | 23,200             | 17,400    | 14,400      | 11,700      | 9,600       | 4,000       | 2,100       | 1,500     |
| Hispanic .....                                  | 71,800               | 25,200             | 16,300    | 11,600      | 7,600       | 6,500       | 2,700       | 1,100       | 800       |
| Asian/Pacific Islander .....                    | 233,900              | 76,600             | 53,200    | 37,100      | 27,300      | 17,000      | 10,300      | 9,000       | 3,300     |
| Other .....                                     | 6,700                | 2,400              | 1,600     | 700         | 900         | 500         | 200         | 300         | 100       |
| <b>Computer/math scientists, total</b> .....    | 1,167,400            | 214,100            | 218,200   | 224,600     | 188,800     | 144,600     | 102,400     | 50,200      | 24,400    |
| White .....                                     | 922,200              | 139,100            | 162,400   | 181,500     | 155,200     | 124,300     | 92,600      | 44,200      | 22,800    |
| Black .....                                     | 51,400               | 13,200             | 11,700    | 8,900       | 7,300       | 5,800       | 2,700       | 1,200       | 600       |
| Hispanic .....                                  | 37,600               | 11,400             | 8,200     | 7,300       | 5,100       | 4,200       | 1,100       | 100         | 200       |
| Asian/Pacific Islander .....                    | 153,600              | 49,500             | 35,100    | 26,600      | 20,900      | 10,300      | 6,000       | 4,600       | 700       |
| Other .....                                     | 2,700                | 900                | 800       | 300         | 400         | 100         | 100         | 200         | S         |
| <b>Life/related scientists, total</b> ..        | 341,900              | 84,400             | 58,000    | 51,000      | 40,500      | 44,700      | 30,900      | 17,300      | 15,100    |
| White .....                                     | 285,100              | 63,200             | 46,300    | 43,600      | 36,400      | 39,900      | 27,100      | 15,100      | 13,500    |
| Black .....                                     | 6,600                | 2,000              | 800       | 1,100       | 800         | 800         | 600         | 300         | S         |
| Hispanic .....                                  | 10,900               | 4,700              | 2,500     | 1,400       | 700         | 300         | 800         | 300         | 200       |
| Asian/Pacific Islander .....                    | 37,700               | 13,900             | 8,000     | 4,900       | 2,400       | 3,400       | 2,400       | 1,600       | 1,200     |
| Other .....                                     | 1,600                | 500                | 400       | S           | 300         | 200         | S           | S           | 100       |
| <b>Physical/related scientists, total</b> ..... | 297,900              | 64,900             | 54,600    | 38,600      | 42,900      | 31,800      | 29,000      | 20,400      | 15,700    |
| White .....                                     | 252,500              | 53,200             | 43,800    | 32,900      | 37,200      | 27,800      | 26,400      | 17,100      | 13,900    |
| Black .....                                     | 8,800                | 2,000              | 2,300     | 1,400       | 1,300       | 900         | 300         | 500         | 200       |
| Hispanic .....                                  | 7,800                | 2,100              | 2,200     | 800         | 900         | 800         | 600         | 100         | 300       |
| Asian/Pacific Islander .....                    | 27,800               | 7,300              | 6,200     | 3,300       | 3,400       | 2,100       | 1,700       | 2,600       | 1,200     |
| Other .....                                     | 900                  | 300                | 200       | 200         | 100         | 100         | S           | S           | S         |
| <b>Social/related scientists, total</b> .....   | 363,400              | 101,900            | 65,400    | 50,500      | 50,500      | 42,400      | 29,500      | 13,600      | 9,700     |
| White .....                                     | 314,400              | 82,300             | 55,200    | 42,900      | 46,300      | 37,800      | 28,400      | 12,700      | 8,700     |
| Black .....                                     | 17,200               | 6,000              | 2,700     | 2,900       | 2,300       | 2,100       | 400         | 100         | 600       |
| Hispanic .....                                  | 15,500               | 7,000              | 3,400     | 2,200       | 1,000       | 1,200       | 200         | 500         | S         |
| Asian/Pacific Islander .....                    | 14,800               | 6,000              | 3,900     | 2,300       | 700         | 1,200       | 300         | 200         | 200       |
| Other .....                                     | 1,500                | 600                | 200       | 200         | 200         | 100         | 100         | S           | S         |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity   | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|--|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|  |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>All degree levels<sup>1</sup> — continued</b> |                      |                    |           |             |             |             |             |             |           |
| <b>Engineers, total</b> .....                    | 1,370,300            | 241,200            | 228,000   | 218,200     | 216,800     | 162,000     | 131,900     | 89,800      | 82,400    |
| White .....                                      | 1,122,400            | 178,300            | 178,300   | 179,200     | 184,500     | 138,100     | 114,900     | 75,800      | 73,300    |
| Black .....                                      | 37,700               | 9,800              | 7,600     | 6,800       | 6,300       | 3,800       | 2,000       | 1,000       | 500       |
| Hispanic .....                                   | 49,100               | 12,700             | 9,800     | 9,500       | 7,500       | 3,700       | 2,200       | 2,100       | 1,600     |
| Asian/Pacific Islander .....                     | 156,600              | 39,200             | 31,100    | 22,000      | 17,900      | 16,200      | 12,500      | 10,900      | 6,800     |
| Other .....                                      | 4,600                | 1,100              | 1,200     | 700         | 600         | 200         | 400         | 100         | 200       |
| <b>Non-S&amp;E occupations, total</b> .....      | 7,440,800            | 1,276,600          | 1,089,500 | 1,048,100   | 1,116,900   | 1,135,700   | 926,900     | 445,900     | 401,200   |
| White .....                                      | 6,228,100            | 993,900            | 898,600   | 878,300     | 944,200     | 963,600     | 802,000     | 389,500     | 358,000   |
| Black .....                                      | 475,500              | 100,400            | 68,400    | 70,800      | 70,100      | 75,100      | 57,300      | 17,200      | 16,000    |
| Hispanic .....                                   | 296,300              | 86,500             | 53,900    | 42,900      | 39,200      | 37,400      | 19,400      | 9,500       | 7,500     |
| Asian/Pacific Islander .....                     | 415,400              | 88,900             | 64,900    | 52,800      | 60,100      | 55,600      | 45,600      | 28,900      | 18,700    |
| Other .....                                      | 25,600               | 6,900              | 3,600     | 3,300       | 3,300       | 4,000       | 2,600       | 900         | 900       |
| <b>Managers/administrators</b> .....             | 2,035,600            | 204,700            | 255,100   | 309,200     | 342,100     | 350,300     | 307,000     | 148,500     | 118,700   |
| White .....                                      | 1,740,900            | 161,200            | 216,800   | 261,500     | 293,300     | 298,600     | 268,000     | 133,500     | 107,900   |
| Black .....                                      | 115,900              | 13,400             | 12,100    | 18,800      | 20,200      | 23,900      | 18,900      | 4,800       | 3,800     |
| Hispanic .....                                   | 66,100               | 12,900             | 10,700    | 10,400      | 11,500      | 11,700      | 5,800       | 2,000       | 1,200     |
| Asian/Pacific Islander .....                     | 106,500              | 16,100             | 14,900    | 17,800      | 16,000      | 14,400      | 14,000      | 7,800       | 5,600     |
| Other .....                                      | 6,200                | 1,100              | 600       | 800         | 1,100       | 1,700       | 400         | 300         | 300       |
| <b>Other non-S&amp;E occupations</b> ..          | 5,405,200            | 1,071,900          | 834,400   | 738,900     | 774,800     | 785,400     | 619,900     | 297,500     | 282,400   |
| White .....                                      | 4,487,200            | 832,700            | 681,800   | 616,800     | 650,900     | 665,000     | 533,900     | 255,900     | 250,100   |
| Black .....                                      | 359,600              | 87,000             | 56,300    | 52,100      | 49,900      | 51,200      | 38,500      | 12,400      | 12,200    |
| Hispanic .....                                   | 230,200              | 73,600             | 43,300    | 32,500      | 27,800      | 25,700      | 13,600      | 7,500       | 6,300     |
| Asian/Pacific Islander .....                     | 309,000              | 72,800             | 50,000    | 35,000      | 44,100      | 41,300      | 31,600      | 21,100      | 13,100    |
| Other .....                                      | 19,300               | 5,800              | 3,100     | 2,500       | 2,200       | 2,300       | 2,200       | 600         | 700       |
| <b>Bachelor's</b>                                |                      |                    |           |             |             |             |             |             |           |
| <b>All occupations, total</b> .....              | 6,350,100            | 1,153,700          | 982,700   | 892,200     | 925,600     | 872,300     | 750,000     | 383,200     | 390,400   |
| White .....                                      | 5,300,500            | 890,300            | 804,100   | 750,000     | 780,800     | 744,000     | 652,300     | 328,100     | 350,900   |
| Black .....                                      | 362,000              | 80,900             | 56,600    | 50,700      | 55,800      | 53,500      | 40,100      | 12,600      | 11,800    |
| Hispanic .....                                   | 268,800              | 82,100             | 52,600    | 39,400      | 35,300      | 27,700      | 15,900      | 8,800       | 7,100     |
| Asian/Pacific Islander .....                     | 394,800              | 93,400             | 65,500    | 49,200      | 50,800      | 44,000      | 39,300      | 32,800      | 20,000    |
| Other .....                                      | 23,900               | 7,100              | 4,000     | 2,900       | 2,900       | 2,900       | 2,400       | 900         | 700       |
| <b>S&amp;E occupations, total</b> .....          | 1,994,400            | 361,200            | 331,800   | 340,200     | 325,200     | 241,300     | 183,200     | 110,000     | 101,600   |
| White .....                                      | 1,680,900            | 274,700            | 271,800   | 290,000     | 280,400     | 212,800     | 164,900     | 94,400      | 92,000    |
| Black .....                                      | 73,900               | 18,000             | 14,400    | 13,300      | 12,300      | 8,200       | 4,100       | 2,200       | 1,400     |
| Hispanic .....                                   | 74,800               | 24,000             | 15,800    | 12,300      | 10,500      | 6,100       | 2,800       | 1,400       | 1,800     |
| Asian/Pacific Islander .....                     | 158,300              | 42,400             | 28,200    | 23,900      | 20,700      | 14,000      | 11,100      | 11,700      | 6,300     |
| Other .....                                      | 6,600                | 2,000              | 1,600     | 700         | 1,200       | 300         | 300         | 200         | 200       |
| <b>Scientists, total</b> .....                   | 1,087,100            | 223,200            | 197,800   | 187,300     | 169,600     | 133,400     | 94,100      | 48,900      | 32,700    |
| White .....                                      | 908,100              | 167,100            | 161,200   | 159,600     | 145,800     | 116,600     | 85,300      | 42,800      | 29,600    |
| Black .....                                      | 46,600               | 11,700             | 10,000    | 7,900       | 7,000       | 5,400       | 2,200       | 1,400       | 1,000     |
| Hispanic .....                                   | 41,500               | 15,700             | 8,700     | 6,500       | 4,700       | 4,100       | 1,400       | S           | 400       |
| Asian/Pacific Islander .....                     | 87,700               | 27,500             | 17,100    | 13,100      | 11,500      | 7,200       | 5,200       | 4,600       | 1,600     |
| Other .....                                      | 3,100                | 1,100              | 800       | 300         | 600         | 100         | S           | 200         | 100       |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity  | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|---|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|   |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>Bachelor's — continued</b>                   |                      |                    |           |             |             |             |             |             |           |
| <b>Computer/math scientists, total</b> .....    | 740,500              | 114,500            | 128,200   | 151,500     | 130,500     | 97,900      | 65,000      | 34,000      | 18,800    |
| White .....                                     | 612,200              | 80,100             | 102,200   | 127,500     | 110,600     | 85,600      | 58,700      | 29,800      | 17,600    |
| Black .....                                     | 34,200               | 8,100              | 7,700     | 6,500       | 5,100       | 3,800       | 1,500       | 1,000       | 500       |
| Hispanic .....                                  | 27,000               | 8,100              | 5,600     | 5,700       | 3,800       | 3,100       | 500         | S           | 200       |
| Asian/Pacific Islander .....                    | 65,400               | 17,800             | 12,100    | 11,600      | 10,700      | 5,300       | 4,200       | 3,100       | 600       |
| Other .....                                     | 1,700                | 400                | 500       | 200         | 400         | S           | S           | 200         | S         |
| <b>Life/related scientists, total</b> ..        | 135,500              | 41,800             | 23,200    | 16,200      | 14,400      | 16,400      | 12,000      | 6,800       | 4,800     |
| White .....                                     | 117,100              | 32,600             | 19,900    | 15,000      | 13,500      | 15,000      | 10,300      | 6,400       | 4,400     |
| Black .....                                     | 2,000                | 700                | S         | S           | 300         | 500         | 500         | S           | S         |
| Hispanic .....                                  | 5,700                | 3,300              | 900       | 500         | 400         | S           | 600         | S           | S         |
| Asian/Pacific Islander .....                    | 9,800                | 4,900              | 2,200     | 700         | S           | 900         | 600         | 400         | 300       |
| Other .....                                     | 900                  | 300                | 200       | S           | 200         | 100         | S           | S           | 100       |
| <b>Physical/related scientists, total</b> ..... | 139,600              | 35,000             | 27,500    | 15,500      | 19,200      | 14,300      | 13,400      | 6,600       | 8,000     |
| White .....                                     | 120,600              | 30,300             | 23,100    | 13,800      | 16,900      | 11,900      | 12,500      | 5,100       | 6,900     |
| Black .....                                     | 5,800                | 1,000              | 1,200     | 1,000       | 1,000       | 800         | 200         | 400         | 200       |
| Hispanic .....                                  | 4,600                | 1,200              | 1,500     | 300         | 600         | 600         | 300         | S           | 200       |
| Asian/Pacific Islander .....                    | 8,400                | 2,400              | 1,700     | 300         | 800         | 1,000       | 400         | 1,200       | 800       |
| Other .....                                     | 300                  | 100                | 100       | 100         | S           | S           | S           | S           | S         |
| <b>Social/related scientists, total</b> .....   | 71,400               | 31,900             | 18,800    | 4,100       | 5,500       | 4,800       | 3,800       | 1,500       | 1,100     |
| White .....                                     | 58,300               | 24,100             | 15,900    | 3,200       | 4,900       | 4,100       | 3,800       | 1,500       | 700       |
| Black .....                                     | 4,600                | 1,900              | 1,100     | 400         | 600         | 300         | S           | S           | 300       |
| Hispanic .....                                  | 4,200                | 3,200              | 700       | S           | S           | 400         | S           | S           | S         |
| Asian/Pacific Islander .....                    | 4,000                | 2,500              | 1,200     | 400         | S           | S           | S           | S           | S         |
| Other .....                                     | 300                  | 300                | S         | S           | S           | S           | S           | S           | S         |
| <b>Engineers, total</b> .....                   | 907,400              | 138,000            | 134,000   | 152,900     | 155,600     | 107,900     | 89,000      | 61,000      | 68,900    |
| White .....                                     | 772,800              | 107,600            | 110,600   | 130,300     | 134,600     | 96,200      | 79,500      | 51,600      | 62,300    |
| Black .....                                     | 27,300               | 6,300              | 4,400     | 5,400       | 5,400       | 2,700       | 1,800       | 800         | 400       |
| Hispanic .....                                  | 33,300               | 8,300              | 7,100     | 5,900       | 5,900       | 2,000       | 1,400       | 1,400       | 1,400     |
| Asian/Pacific Islander .....                    | 70,600               | 14,900             | 11,100    | 10,900      | 9,300       | 6,800       | 5,900       | 7,100       | 4,700     |
| Other .....                                     | 3,400                | 900                | 800       | 400         | 600         | 200         | 300         | 100         | 100       |
| <b>Non-S&amp;E occupations, total</b> .....     | 4,355,700            | 792,500            | 650,900   | 552,000     | 600,400     | 631,000     | 566,800     | 273,200     | 288,800   |
| White .....                                     | 3,619,600            | 615,500            | 532,200   | 460,100     | 500,400     | 531,300     | 487,400     | 233,700     | 258,900   |
| Black .....                                     | 288,100              | 62,800             | 42,200    | 37,300      | 43,500      | 45,400      | 36,100      | 10,400      | 10,400    |
| Hispanic .....                                  | 194,000              | 58,100             | 36,800    | 27,100      | 24,800      | 21,700      | 13,000      | 7,300       | 5,300     |
| Asian/Pacific Islander .....                    | 236,500              | 51,000             | 37,300    | 25,200      | 30,000      | 30,000      | 28,200      | 21,100      | 13,700    |
| Other .....                                     | 17,400               | 5,000              | 2,400     | 2,300       | 1,700       | 2,600       | 2,100       | 700         | 500       |
| <b>Managers/administrators</b> .....            | 1,156,800            | 103,700            | 134,600   | 163,900     | 186,200     | 188,500     | 190,100     | 96,400      | 93,500    |
| White .....                                     | 997,500              | 79,600             | 115,700   | 139,700     | 159,900     | 160,900     | 168,600     | 86,900      | 86,200    |
| Black .....                                     | 62,900               | 6,700              | 5,000     | 8,200       | 13,300      | 13,200      | 11,100      | 2,500       | 2,900     |
| Hispanic .....                                  | 41,100               | 8,500              | 5,800     | 7,400       | 6,600       | 7,200       | 3,100       | 1,500       | 900       |
| Asian/Pacific Islander .....                    | 51,300               | 8,000              | 7,900     | 8,000       | 5,700       | 6,100       | 6,900       | 5,200       | 3,400     |
| Other .....                                     | 3,900                | 900                | 100       | 600         | 700         | 1,100       | 300         | 300         | S         |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity  | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|---|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|   |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>Bachelor's — continued</b>                   |                      |                    |           |             |             |             |             |             |           |
| <b>Other non-S&amp;E occupations ..</b>         | 3,198,800            | 688,900            | 516,300   | 388,100     | 414,200     | 442,500     | 376,700     | 176,900     | 195,300   |
| White .....                                     | 2,622,100            | 536,000            | 416,500   | 320,400     | 340,500     | 370,400     | 318,800     | 146,800     | 172,700   |
| Black .....                                     | 225,200              | 56,200             | 37,200    | 29,100      | 30,200      | 32,200      | 25,000      | 7,900       | 7,500     |
| Hispanic .....                                  | 152,900              | 49,500             | 30,900    | 19,700      | 18,200      | 14,500      | 9,900       | 5,800       | 4,300     |
| Asian/Pacific Islander .....                    | 185,200              | 43,000             | 29,300    | 17,200      | 24,300      | 23,900      | 21,300      | 15,900      | 10,200    |
| Other .....                                     | 13,400               | 4,200              | 2,300     | 1,700       | 1,000       | 1,500       | 1,800       | 400         | 500       |
| <b>Master's</b>                                 |                      |                    |           |             |             |             |             |             |           |
| <b>All occupations, total .....</b>             | 2,982,000            | 589,100            | 486,600   | 479,800     | 462,400     | 424,200     | 317,100     | 149,600     | 73,100    |
| White .....                                     | 2,440,500            | 444,600            | 388,100   | 393,800     | 387,400     | 356,200     | 275,400     | 131,600     | 63,400    |
| Black .....                                     | 168,600              | 37,700             | 28,400    | 28,200      | 23,300      | 26,000      | 16,400      | 5,800       | 2,800     |
| Hispanic .....                                  | 98,000               | 30,300             | 16,600    | 15,900      | 13,800      | 13,000      | 5,700       | 1,900       | 900       |
| Asian/Pacific Islander .....                    | 266,600              | 74,200             | 51,900    | 40,800      | 36,600      | 28,000      | 19,300      | 10,300      | 5,500     |
| Other .....                                     | 8,200                | 2,300              | 1,500     | 1,100       | 1,300       | 1,100       | 400         | 100         | 400       |
| <b>S&amp;E occupations, total .....</b>         | 1,032,100            | 249,500            | 203,600   | 162,700     | 143,700     | 118,000     | 84,500      | 46,900      | 23,200    |
| White .....                                     | 807,200              | 175,400            | 151,700   | 127,100     | 119,200     | 98,500      | 75,500      | 39,700      | 20,200    |
| Black .....                                     | 35,900               | 12,000             | 8,300     | 5,200       | 4,300       | 3,900       | 1,100       | 600         | 500       |
| Hispanic .....                                  | 32,800               | 10,600             | 7,000     | 6,500       | 3,400       | 2,900       | 1,200       | 1,000       | 300       |
| Asian/Pacific Islander .....                    | 153,000              | 50,400             | 35,800    | 23,300      | 16,700      | 12,600      | 6,700       | 5,500       | 2,100     |
| Other .....                                     | 3,100                | 1,100              | 900       | 600         | 100         | 100         | 100         | 100         | 100       |
| <b>Scientists, total .....</b>                  | 655,500              | 166,700            | 125,900   | 109,300     | 91,500      | 72,800      | 51,700      | 24,800      | 12,700    |
| White .....                                     | 516,000              | 116,300            | 93,700    | 86,000      | 75,600      | 62,700      | 48,100      | 21,700      | 11,800    |
| Black .....                                     | 27,300               | 9,300              | 5,500     | 4,000       | 3,500       | 3,100       | 1,000       | 400         | 500       |
| Hispanic .....                                  | 19,100               | 6,900              | 4,500     | 3,100       | 2,000       | 1,500       | 600         | 400         | 100       |
| Asian/Pacific Islander .....                    | 91,100               | 33,200             | 21,600    | 16,000      | 10,300      | 5,400       | 2,000       | 2,300       | 400       |
| Other .....                                     | 2,100                | 900                | 500       | 200         | 100         | 100         | 100         | S           | S         |
| <b>Computer/math scientists, total .....</b>    | 354,100              | 83,900             | 75,600    | 62,500      | 49,400      | 37,700      | 29,400      | 12,000      | 3,600     |
| White .....                                     | 256,200              | 48,700             | 51,400    | 46,400      | 37,400      | 31,300      | 27,000      | 10,600      | 3,400     |
| Black .....                                     | 15,200               | 4,900              | 3,500     | 2,000       | 1,900       | 1,900       | 800         | 200         | 200       |
| Hispanic .....                                  | 8,800                | 2,900              | 2,200     | 1,300       | 1,200       | 700         | 400         | 100         | S         |
| Asian/Pacific Islander .....                    | 72,900               | 26,900             | 18,300    | 12,700      | 9,000       | 3,800       | 1,100       | 1,200       | S         |
| Other .....                                     | 900                  | 500                | 200       | 100         | S           | 100         | 100         | S           | S         |
| <b>Life/related scientists, total ..</b>        | 72,500               | 17,600             | 12,400    | 14,400      | 7,900       | 10,800      | 5,200       | 2,200       | 2,100     |
| White .....                                     | 61,200               | 13,800             | 10,200    | 12,200      | 7,000       | 9,700       | 4,800       | 1,600       | 1,900     |
| Black .....                                     | 2,200                | 500                | 400       | 500         | 400         | 100         | S           | 300         | S         |
| Hispanic .....                                  | 1,800                | 500                | 500       | 300         | 100         | 200         | S           | 100         | S         |
| Asian/Pacific Islander .....                    | 7,100                | 2,600              | 1,100     | 1,400       | 400         | 800         | 300         | 300         | 100       |
| Other .....                                     | 300                  | 100                | 100       | S           | S           | 100         | S           | S           | S         |
| <b>Physical/related scientists, total .....</b> | 73,000               | 16,600             | 13,600    | 10,300      | 11,500      | 7,900       | 5,500       | 5,000       | 2,500     |
| White .....                                     | 62,300               | 13,400             | 10,900    | 8,700       | 10,400      | 7,400       | 4,900       | 4,200       | 2,300     |
| Black .....                                     | 1,800                | 700                | 700       | 200         | 100         | S           | S           | S           | S         |
| Hispanic .....                                  | 1,400                | 600                | 300       | 100         | 200         | 100         | 100         | S           | 100       |
| Asian/Pacific Islander .....                    | 7,100                | 1,800              | 1,600     | 1,200       | 800         | 300         | 400         | 800         | 100       |
| Other .....                                     | 400                  | 100                | 100       | 100         | 100         | S           | S           | S           | S         |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|--|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|  |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>Master's — continued</b>                    |                      |                    |           |             |             |             |             |             |           |
| <b>Social/related scientists, total</b> .....  | 155,900              | 48,600             | 24,300    | 22,100      | 22,800      | 16,300      | 11,700      | 5,600       | 4,500     |
| White .....                                    | 136,200              | 40,400             | 21,200    | 18,700      | 20,900      | 14,300      | 11,300      | 5,300       | 4,100     |
| Black .....                                    | 8,100                | 3,200              | 900       | 1,300       | 1,100       | 1,100       | 200         | S           | 300       |
| Hispanic .....                                 | 7,100                | 2,900              | 1,500     | 1,400       | 500         | 400         | 100         | 300         | S         |
| Asian/Pacific Islander .....                   | 4,000                | 1,900              | 500       | 700         | 200         | 500         | 100         | S           | 100       |
| Other .....                                    | 500                  | 200                | 100       | 100         | 100         | S           | 100         | S           | S         |
| <b>Engineers, total</b> .....                  | 376,500              | 82,800             | 77,700    | 53,400      | 52,200      | 45,200      | 32,800      | 22,000      | 10,500    |
| White .....                                    | 291,300              | 59,100             | 57,900    | 41,100      | 43,600      | 35,700      | 27,400      | 18,100      | 8,400     |
| Black .....                                    | 8,600                | 2,700              | 2,700     | 1,200       | 900         | 800         | 100         | 200         | 100       |
| Hispanic .....                                 | 13,600               | 3,600              | 2,500     | 3,400       | 1,300       | 1,400       | 600         | 600         | 200       |
| Asian/Pacific Islander .....                   | 62,000               | 17,200             | 14,200    | 7,300       | 6,400       | 7,200       | 4,700       | 3,200       | 1,700     |
| Other .....                                    | 1,000                | 200                | 300       | 400         | S           | S           | S           | 100         | 100       |
| <b>Non-S&amp;E occupations, total</b> .....    | 1,949,900            | 339,700            | 283,000   | 317,100     | 318,700     | 306,200     | 232,600     | 102,800     | 49,800    |
| White .....                                    | 1,633,200            | 269,200            | 236,500   | 266,700     | 268,200     | 257,700     | 199,900     | 91,800      | 43,300    |
| Black .....                                    | 132,700              | 25,700             | 20,100    | 23,000      | 19,000      | 22,100      | 15,400      | 5,200       | 2,200     |
| Hispanic .....                                 | 65,300               | 19,700             | 9,700     | 9,400       | 10,400      | 10,000      | 4,500       | 900         | 600       |
| Asian/Pacific Islander .....                   | 113,600              | 23,900             | 16,100    | 17,400      | 20,000      | 15,400      | 12,600      | 4,800       | 3,400     |
| Other .....                                    | 5,100                | 1,200              | 700       | 500         | 1,100       | 1,000       | 300         | 100         | 300       |
| <b>Managers/administrators</b> .....           | 726,600              | 84,700             | 101,800   | 126,400     | 129,600     | 130,600     | 95,500      | 38,800      | 19,200    |
| White .....                                    | 618,100              | 69,100             | 86,700    | 106,300     | 111,300     | 111,800     | 81,100      | 34,900      | 16,800    |
| Black .....                                    | 42,500               | 4,900              | 5,900     | 8,900       | 5,100       | 8,700       | 6,600       | 1,900       | 500       |
| Hispanic .....                                 | 20,400               | 3,300              | 4,100     | 2,600       | 4,200       | 3,700       | 2,200       | 400         | S         |
| Asian/Pacific Islander .....                   | 44,100               | 7,200              | 4,900     | 8,300       | 8,600       | 6,100       | 5,700       | 1,600       | 1,600     |
| Other .....                                    | 1,500                | 200                | 300       | 200         | 300         | 300         | S           | S           | 300       |
| <b>Other non-S&amp;E occupations</b> .....     | 1,223,300            | 255,000            | 181,200   | 190,700     | 189,200     | 175,600     | 137,100     | 63,900      | 30,600    |
| White .....                                    | 1,015,100            | 200,100            | 149,800   | 160,400     | 156,800     | 145,900     | 118,800     | 56,900      | 26,400    |
| Black .....                                    | 90,200               | 20,800             | 14,300    | 14,000      | 13,800      | 13,400      | 8,800       | 3,200       | 1,700     |
| Hispanic .....                                 | 44,900               | 16,400             | 5,600     | 6,800       | 6,200       | 6,400       | 2,300       | 500         | 600       |
| Asian/Pacific Islander .....                   | 69,500               | 16,700             | 11,200    | 9,100       | 11,400      | 9,200       | 6,900       | 3,200       | 1,800     |
| Other .....                                    | 3,600                | 1,000              | 300       | 300         | 800         | 700         | 300         | 100         | S         |
| <b>Doctorate</b>                               |                      |                    |           |             |             |             |             |             |           |
| <b>All occupations, total</b> .....            | 736,700              | 128,200            | 127,100   | 110,600     | 101,600     | 97,900      | 89,800      | 51,600      | 29,900    |
| White .....                                    | 583,300              | 89,200             | 91,800    | 85,200      | 84,400      | 81,400      | 78,700      | 45,900      | 26,700    |
| Black .....                                    | 25,800               | 5,600              | 4,100     | 6,800       | 4,100       | 2,900       | 1,800       | 300         | 100       |
| Hispanic .....                                 | 21,200               | 4,700              | 5,100     | 3,200       | 2,100       | 2,800       | 1,600       | 1,100       | 600       |
| Asian/Pacific Islander .....                   | 103,800              | 27,800             | 25,700    | 15,100      | 10,700      | 10,400      | 7,500       | 4,100       | 2,400     |
| Other .....                                    | 2,600                | 800                | 400       | 200         | 400         | 300         | 200         | 100         | 100       |
| <b>S&amp;E occupations, total</b> .....        | 484,100              | 92,000             | 86,700    | 74,500      | 65,000      | 59,700      | 54,200      | 33,200      | 18,800    |
| White .....                                    | 381,600              | 62,400             | 60,900    | 58,400      | 54,900      | 50,600      | 47,800      | 29,500      | 17,100    |
| Black .....                                    | 11,000               | 2,900              | 2,100     | 2,400       | 1,300       | 1,300       | 600         | 300         | 100       |
| Hispanic .....                                 | 12,900               | 3,300              | 3,300     | 2,400       | 1,000       | 1,200       | 900         | 600         | 300       |
| Asian/Pacific Islander .....                   | 77,000               | 23,000             | 20,100    | 11,200      | 7,500       | 6,300       | 4,800       | 2,700       | 1,200     |
| Other .....                                    | 1,600                | 400                | 200       | 200         | 200         | 300         | 200         | 100         | 100       |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity  | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|---|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|   |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>Doctorate — continued</b>                    |                      |                    |           |             |             |             |             |             |           |
| <b>Scientists, total</b> .....                  | 399,900              | 71,800             | 70,800    | 62,600      | 57,200      | 50,900      | 44,300      | 26,400      | 15,900    |
| White .....                                     | 325,100              | 51,000             | 51,700    | 50,700      | 49,600      | 44,500      | 39,800      | 23,300      | 14,500    |
| Black .....                                     | 9,300                | 2,200              | 1,700     | 2,200       | 1,200       | 1,100       | 500         | 300         | 100       |
| Hispanic .....                                  | 11,000               | 2,400              | 3,000     | 2,100       | 900         | 900         | 800         | 600         | 300       |
| Asian/Pacific Islander .....                    | 53,100               | 15,900             | 14,300    | 7,500       | 5,300       | 4,100       | 3,000       | 2,100       | 900       |
| Other .....                                     | 1,500                | 300                | 200       | 200         | 200         | 300         | 100         | 100         | 100       |
| <b>Computer/math scientists, total</b> .....    | 67,100               | 13,300             | 12,900    | 10,000      | 8,600       | 8,500       | 7,600       | 4,100       | 2,000     |
| White .....                                     | 49,500               | 8,000              | 7,900     | 7,000       | 7,000       | 7,200       | 6,800       | 3,800       | 1,800     |
| Black .....                                     | 1,400                | 200                | 200       | 500         | 400         | S           | 100         | S           | S         |
| Hispanic .....                                  | 1,600                | 300                | 400       | 300         | 100         | 300         | 100         | S           | S         |
| Asian/Pacific Islander .....                    | 14,500               | 4,800              | 4,400     | 2,200       | 1,000       | 1,000       | 600         | 300         | 200       |
| Other .....                                     | S                    | S                  | S         | S           | S           | S           | S           | S           | S         |
| <b>Life/related scientists, total</b> ..        | 121,100              | 24,600             | 22,400    | 18,700      | 15,700      | 14,700      | 12,600      | 7,700       | 4,700     |
| White .....                                     | 95,600               | 16,400             | 16,300    | 15,400      | 13,600      | 12,700      | 10,800      | 6,400       | 4,100     |
| Black .....                                     | 2,100                | 800                | 400       | 400         | 100         | 200         | 100         | 100         | S         |
| Hispanic .....                                  | 3,500                | 900                | 1,000     | 500         | 200         | 100         | 200         | 300         | 200       |
| Asian/Pacific Islander .....                    | 19,500               | 6,400              | 4,700     | 2,300       | 1,800       | 1,600       | 1,400       | 900         | 400       |
| Other .....                                     | 400                  | 100                | 100       | S           | S           | 100         | S           | S           | S         |
| <b>Physical/related scientists, total</b> ..... | 84,900               | 12,900             | 13,500    | 12,800      | 12,200      | 9,600       | 10,100      | 8,800       | 5,100     |
| White .....                                     | 69,200               | 9,200              | 9,800     | 10,400      | 9,900       | 8,500       | 8,900       | 7,900       | 4,700     |
| Black .....                                     | 1,200                | 300                | 300       | 200         | 200         | 100         | S           | 100         | S         |
| Hispanic .....                                  | 1,800                | 300                | 400       | 400         | 200         | 100         | 300         | 100         | S         |
| Asian/Pacific Islander .....                    | 12,300               | 3,100              | 2,900     | 1,800       | 1,900       | 800         | 900         | 700         | 300       |
| Other .....                                     | 300                  | S                  | S         | S           | S           | 100         | S           | S           | S         |
| <b>Social/related scientists, total</b> .....   | 126,900              | 21,000             | 22,000    | 21,200      | 20,700      | 18,100      | 14,000      | 5,900       | 4,000     |
| White .....                                     | 110,800              | 17,400             | 17,800    | 17,900      | 19,000      | 16,200      | 13,300      | 5,300       | 3,900     |
| Black .....                                     | 4,500                | 900                | 800       | 1,200       | 600         | 700         | 200         | 100         | S         |
| Hispanic .....                                  | 4,100                | 900                | 1,200     | 900         | 400         | 400         | 200         | 200         | S         |
| Asian/Pacific Islander .....                    | 6,800                | 1,600              | 2,200     | 1,100       | 500         | 700         | 200         | 200         | 100       |
| Other .....                                     | 700                  | 100                | 100       | 100         | 100         | 100         | S           | S           | S         |
| <b>Engineers, total</b> .....                   | 84,200               | 20,100             | 15,800    | 11,900      | 7,800       | 8,800       | 9,900       | 6,800       | 2,900     |
| White .....                                     | 56,500               | 11,500             | 9,200     | 7,700       | 5,400       | 6,000       | 7,900       | 6,100       | 2,600     |
| Black .....                                     | 1,700                | 700                | 500       | 200         | 100         | 200         | 100         | S           | S         |
| Hispanic .....                                  | 1,900                | 800                | 300       | 300         | 100         | 300         | 100         | S           | S         |
| Asian/Pacific Islander .....                    | 23,900               | 7,100              | 5,800     | 3,700       | 2,200       | 2,200       | 1,700       | 600         | 300       |
| Other .....                                     | 100                  | 100                | S         | S           | S           | S           | 100         | S           | S         |
| <b>Non-S&amp;E occupations, total</b> .....     | 252,600              | 36,200             | 40,400    | 36,000      | 36,600      | 38,300      | 35,600      | 18,400      | 11,100    |
| White .....                                     | 201,700              | 26,800             | 30,800    | 26,900      | 29,400      | 30,900      | 30,900      | 16,400      | 9,600     |
| Black .....                                     | 14,800               | 2,800              | 1,900     | 4,400       | 2,700       | 1,600       | 1,200       | 100         | 100       |
| Hispanic .....                                  | 8,300                | 1,400              | 1,800     | 900         | 1,100       | 1,700       | 700         | 500         | 300       |
| Asian/Pacific Islander .....                    | 26,800               | 4,800              | 5,600     | 3,800       | 3,200       | 4,100       | 2,700       | 1,400       | 1,200     |
| Other .....                                     | 1,000                | 400                | 200       | 100         | 200         | 100         | 100         | S           | S         |

See explanatory information, if any, and SOURCE at end of table.

**Table E-12. Employed U.S. scientists and engineers, by highest degree attained, broad occupation, race/ethnicity, and years since degree: 1999**

| Highest degree, occupation, and race/ethnicity | Employed S&Es, total | Years since degree |           |             |             |             |             |             |           |
|--|----------------------|--------------------|-----------|-------------|-------------|-------------|-------------|-------------|-----------|
|  |                      | <5 years           | 5-9 years | 10-14 years | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35+ years |
| <b>Doctorate — continued</b>                   |                      |                    |           |             |             |             |             |             |           |
| <b>Managers/administrators</b> .....           | 98,400               | 12,000             | 12,000    | 11,000      | 14,800      | 20,100      | 16,700      | 8,000       | 3,900     |
| White .....                                    | 79,800               | 9,600              | 8,500     | 8,100       | 11,900      | 16,900      | 14,600      | 7,100       | 3,300     |
| Black .....                                    | 5,700                | 900                | 1,000     | 1,200       | 900         | 800         | 600         | 100         | S         |
| Hispanic .....                                 | 3,000                | 400                | 600       | 200         | 500         | 700         | 300         | 200         | 100       |
| Asian/Pacific Islander .....                   | 9,700                | 900                | 1,900     | 1,400       | 1,400       | 1,800       | 1,200       | 600         | 500       |
| Other .....                                    | 200                  | S                  | S         | S           | 100         | S           | 100         | S           | S         |
| <b>Other non-S&amp;E occupations</b> ..        | 154,200              | 24,200             | 28,400    | 25,100      | 21,800      | 18,100      | 18,800      | 10,400      | 7,300     |
| White .....                                    | 121,900              | 17,200             | 22,400    | 18,700      | 17,600      | 14,000      | 16,300      | 9,300       | 6,300     |
| Black .....                                    | 9,100                | 1,800              | 900       | 3,200       | 1,800       | 800         | 600         | S           | S         |
| Hispanic .....                                 | 5,300                | 900                | 1,300     | 700         | 500         | 1,000       | 400         | 300         | 200       |
| Asian/Pacific Islander .....                   | 17,100               | 3,900              | 3,700     | 2,400       | 1,800       | 2,400       | 1,500       | 700         | 700       |
| Other .....                                    | 800                  | 400                | 100       | 100         | 200         | S           | S           | S           | S         |

1 Total includes professional degrees not broken out separately.

**NOTES:** The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who were employed in a S&E occupation during either the 1993, 1995, 1997, or 1999 SESTAT surveys. Figures are rounded to nearest hundred. Details may not add to total because of rounding.

**KEY:** S = Suppressed for reasons of confidentiality and/or data reliability

**SOURCE:** National Science Foundation/Science Resources Statistics Division, 1999 SESTAT (Scientists and Engineers Statistical Data System)