TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| All degree levels and fields[a] | 21,647,000 | 18,021,000 | 15,978,000 | 2,043,000 | 595,000 | 3,031,000 | 1,613,000 | 1,419,000 |
| Male | 12,129,000 | 10,437,000 | 9,847,000 | 590,000 | 340,000 | 1,352,000 | 1,086,000 | 266,000 |
| Female | 9,518,000 | 7,585,000 | 6,131,000 | 1,453,000 | 255,000 | 1,679,000 | 526,000 | 1,152,000 |
| S&E fields | 11,880,000 | 9,579,000 | 8,610,000 | 969,000 | 414,000 | 1,886,000 | 973,000 | 913,000 |
| Male | 7,330,000 | 6,153,000 | 5,818,000 | 335,000 | 248,000 | 929,000 | 720,000 | 209,000 |
| Female | 4,549,000 | 3,426,000 | 2,792,000 | 633,000 | 166,000 | 958,000 | 253,000 | 704,000 |
| Sciences | 9,048,000 | 7,245,000 | 6,404,000 | 842,000 | 308,000 | 1,494,000 | 667,000 | 828,000 |
| Male | 4,834,000 | 4,090,000 | 3,846,000 | 244,000 | 158,000 | 587,000 | 420,000 | 167,000 |
| Female | 4,214,000 | 3,156,000 | 2,558,000 | 598,000 | 150,000 | 908,000 | 247,000 | 661,000 |
| Biological/agricultural/environmental life sciences | 1,851,000 | 1,481,000 | 1,331,000 | 150,000 | 50,000 | 320,000 | 132,000 | 188,000 |
| Male | 1,007,000 | 843,000 | 797,000 | 46,000 | 22,000 | 142,000 | 88,000 | 54,000 |
| Female | 844,000 | 638,000 | 534,000 | 104,000 | 28,000 | 178,000 | 44,000 | 134,000 |
| Agricultural/food sciences | 292,000 | 249,000 | 230,000 | 19,000 | 6,000 | 36,000 | 24,000 | 12,000 |
| Male | 191,000 | 164,000 | 157,000 | 7,000 | 1,000 | 26,000 | 22,000 | 4,000 |
| Female | 101,000 | 85,000 | 74,000 | 12,000 | 5,000 | 10,000 | 2,000 | 8,000 |
| Biological sciences | 1,374,000 | 1,081,000 | 959,000 | 122,000 | 38,000 | 256,000 | 90,000 | 166,000 |
| Male | 687,000 | 573,000 | 537,000 | 35,000 | 17,000 | 97,000 | 51,000 | 46,000 |
| Female | 687,000 | 508,000 | 422,000 | 86,000 | 20,000 | 158,000 | 39,000 | 119,000 |
| Environmental life sciences | 185,000 | 151,000 | 142,000 | 9,000 | 6,000 | 28,000 | 18,000 | 10,000 |
| Male | 129,000 | 107,000 | 104,000 | 3,000 | 4,000 | 19,000 | 15,000 | 4,000 |
| Female | 56,000 | 44,000 | 38,000 | 6,000 | 2,000 | 9,000 | S | 6,000 |
| Computer/mathematical sciences | 1,703,000 | 1,437,000 | 1,318,000 | 119,000 | 75,000 | 191,000 | 83,000 | 108,000 |
| Male | 1,100,000 | 967,000 | 930,000 | 37,000 | 48,000 | 85,000 | 60,000 | 25,000 |
| Female | 603,000 | 470,000 | 388,000 | 82,000 | 27,000 | 106,000 | 23,000 | 84,000 |
| Computer/information sciences | 1,087,000 | 961,000 | 899,000 | 62,000 | 53,000 | 73,000 | 14,000 | 59,000 |
| Male | 728,000 | 671,000 | 653,000 | 18,000 | 34,000 | 24,000 | 10,000 | 13,000 |
| Female | 359,000 | 290,000 | 246,000 | 44,000 | 19,000 | 49,000 | 4,000 | 45,000 |
| Mathematical sciences | 616,000 | 476,000 | 420,000 | 56,000 | 22,000 | 119,000 | 69,000 | 50,000 |
| Male | 372,000 | 296,000 | 278,000 | 18,000 | 14,000 | 62,000 | 50,000 | 12,000 |
| Female | 244,000 | 180,000 | 142,000 | 38,000 | 7,000 | 57,000 | 19,000 | 38,000 |
| Physical/related sciences | 876,000 | 694,000 | 631,000 | 63,000 | 27,000 | 155,000 | 106,000 | 50,000 |
| Male | 637,000 | 513,000 | 480,000 | 33,000 | 19,000 | 105,000 | 89,000 | 16,000 |
| Female | 239,000 | 181,000 | 151,000 | 30,000 | 7,000 | 50,000 | 16,000 | 34,000 |
| Chemistry, except biochemistry | 421,000 | 326,000 | 295,000 | 31,000 | 11,000 | 83,000 | 50,000 | 34,000 |
| Male | 277,000 | 219,000 | 205,000 | 14,000 | 7,000 | 51,000 | 42,000 | 9,000 |
| Female | 144,000 | 107,000 | 90,000 | 17,000 | 4,000 | 33,000 | 8,000 | 25,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Earth/atmospheric/ocean sciences | 211,000 | 170,000 | 154,000 | 16,000 | 6,000 | 35,000 | 26,000 | 9,000 |
| Male | 167,000 | 136,000 | 128,000 | 8,000 | 5,000 | 27,000 | 23,000 | 4,000 |
| Female | 43,000 | 35,000 | 27,000 | 8,000 | 1,000 | 8,000 | 3,000 | 5,000 |
| Physics/astronomy | 187,000 | 152,000 | 137,000 | 15,000 | 7,000 | 28,000 | 22,000 | 5,000 |
| Male | 160,000 | 130,000 | 119,000 | 11,000 | 7,000 | 23,000 | 21,000 | 2,000 |
| Female | 27,000 | 22,000 | 18,000 | 4,000 | 1,000 | 5,000 | 2,000 | 3,000 |
| Other physical sciences | 57,000 | 45,000 | 44,000 | 2,000 | 2,000 | 9,000 | 8,000 | 2,000 |
| Male | 33,000 | 28,000 | 28,000 | * | S | 4,000 | 3,000 | * |
| Female | 24,000 | 17,000 | 16,000 | 2,000 | S | 6,000 | S | 1,000 |
| Social/related sciences | 4,618,000 | 3,633,000 | 3,124,000 | 510,000 | 157,000 | 828,000 | 346,000 | 482,000 |
| Male | 2,090,000 | 1,766,000 | 1,638,000 | 128,000 | 69,000 | 254,000 | 183,000 | 72,000 |
| Female | 2,528,000 | 1,867,000 | 1,486,000 | 381,000 | 88,000 | 573,000 | 163,000 | 410,000 |
| Economics | 680,000 | 551,000 | 498,000 | 53,000 | 25,000 | 104,000 | 58,000 | 46,000 |
| Male | 493,000 | 418,000 | 397,000 | 22,000 | 14,000 | 61,000 | 47,000 | 14,000 |
| Female | 187,000 | 133,000 | 101,000 | 31,000 | 11,000 | 44,000 | 12,000 | 32,000 |
| Political/related sciences | 830,000 | 666,000 | 598,000 | 67,000 | 34,000 | 130,000 | 59,000 | 71,000 |
| Male | 503,000 | 421,000 | 395,000 | 26,000 | 19,000 | 63,000 | 42,000 | 21,000 |
| Female | 327,000 | 244,000 | 203,000 | 41,000 | 15,000 | 67,000 | 17,000 | 50,000 |
| Psychology | 1,734,000 | 1,335,000 | 1,096,000 | 239,000 | 55,000 | 343,000 | 131,000 | 212,000 |
| Male | 534,000 | 445,000 | 396,000 | 49,000 | 17,000 | 73,000 | 53,000 | 19,000 |
| Female | 1,200,000 | 891,000 | 700,000 | 191,000 | 39,000 | 271,000 | 78,000 | 193,000 |
| Sociology/anthropology | 895,000 | 684,000 | 586,000 | 98,000 | 32,000 | 180,000 | 65,000 | 115,000 |
| Male | 326,000 | 278,000 | 260,000 | 18,000 | 13,000 | 36,000 | 23,000 | 12,000 |
| Female | 569,000 | 406,000 | 326,000 | 80,000 | 19,000 | 144,000 | 41,000 | 103,000 |
| Other social sciences | 479,000 | 398,000 | 346,000 | 52,000 | 11,000 | 70,000 | 33,000 | 37,000 |
| Male | 233,000 | 204,000 | 191,000 | 14,000 | 6,000 | 22,000 | 17,000 | 5,000 |
| Female | 246,000 | 193,000 | 155,000 | 38,000 | 5,000 | 48,000 | 15,000 | 33,000 |
| Engineering | 2,832,000 | 2,334,000 | 2,207,000 | 127,000 | 106,000 | 392,000 | 307,000 | 85,000 |
| Male | 2,496,000 | 2,064,000 | 1,973,000 | 91,000 | 90,000 | 342,000 | 300,000 | 42,000 |
| Female | 336,000 | 270,000 | 234,000 | 36,000 | 16,000 | 50,000 | 7,000 | 43,000 |
| Aerospace/related engineering | 100,000 | 85,000 | 81,000 | 4,000 | 2,000 | 13,000 | 12,000 | 1,000 |
| Male | 92,000 | 77,000 | 74,000 | 4,000 | 2,000 | 12,000 | 12,000 | * |
| Female | 9,000 | 8,000 | 7,000 | 1,000 | S | 1,000 | S | * |
| Chemical engineering | 197,000 | 159,000 | 151,000 | 9,000 | 5,000 | 32,000 | 24,000 | 9,000 |
| Male | 156,000 | 126,000 | 121,000 | 5,000 | 4,000 | 26,000 | 23,000 | 3,000 |
| Female | 41,000 | 34,000 | 30,000 | 4,000 | 1,000 | 6,000 | 1,000 | 5,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Civil/architectural engineering | 443,000 | 385,000 | 363,000 | 22,000 | 12,000 | 46,000 | 38,000 | 8,000 |
| Male | 393,000 | 342,000 | 326,000 | 16,000 | 10,000 | 41,000 | 36,000 | 5,000 |
| Female | 51,000 | 43,000 | 38,000 | 6,000 | 2,000 | 5,000 | 2,000 | 3,000 |
| Electrical/computer engineering | 905,000 | 748,000 | 711,000 | 37,000 | 42,000 | 114,000 | 86,000 | 28,000 |
| Male | 806,000 | 668,000 | 641,000 | 27,000 | 37,000 | 101,000 | 85,000 | 16,000 |
| Female | 100,000 | 81,000 | 71,000 | 10,000 | 6,000 | 13,000 | 1,000 | 12,000 |
| Industrial engineering | 181,000 | 134,000 | 129,000 | 5,000 | 10,000 | 38,000 | 29,000 | 10,000 |
| Male | 151,000 | 111,000 | 108,000 | 3,000 | 8,000 | 32,000 | 29,000 | 3,000 |
| Female | 31,000 | 23,000 | 21,000 | 2,000 | 1,000 | 7,000 | S | 7,000 |
| Mechanical engineering | 597,000 | 492,000 | 464,000 | 28,000 | 21,000 | 84,000 | 73,000 | 11,000 |
| Male | 551,000 | 455,000 | 434,000 | 21,000 | 18,000 | 78,000 | 72,000 | 6,000 |
| Female | 46,000 | 37,000 | 30,000 | 7,000 | 3,000 | 6,000 | 1,000 | 5,000 |
| Other engineering | 407,000 | 330,000 | 307,000 | 23,000 | 13,000 | 64,000 | 45,000 | 19,000 |
| Male | 348,000 | 286,000 | 270,000 | 16,000 | 10,000 | 52,000 | 43,000 | 9,000 |
| Female | 59,000 | 44,000 | 37,000 | 7,000 | 3,000 | 12,000 | 2,000 | 10,000 |
| S&E-related fields | 5,203,000 | 4,383,000 | 3,679,000 | 704,000 | 84,000 | 736,000 | 386,000 | 351,000 |
| Male | 2,191,000 | 1,921,000 | 1,794,000 | 127,000 | 35,000 | 235,000 | 200,000 | 35,000 |
| Female | 3,012,000 | 2,462,000 | 1,885,000 | 577,000 | 49,000 | 501,000 | 185,000 | 316,000 |
| Health | 3,998,000 | 3,373,000 | 2,771,000 | 602,000 | 53,000 | 572,000 | 270,000 | 302,000 |
| Male | 1,380,000 | 1,226,000 | 1,141,000 | 84,000 | 13,000 | 141,000 | 118,000 | 23,000 |
| Female | 2,619,000 | 2,148,000 | 1,630,000 | 518,000 | 39,000 | 431,000 | 152,000 | 279,000 |
| Science/mathematics teacher education | 439,000 | 340,000 | 288,000 | 52,000 | 9,000 | 90,000 | 72,000 | 19,000 |
| Male | 199,000 | 151,000 | 134,000 | 17,000 | 4,000 | 44,000 | 44,000 | S |
| Female | 240,000 | 189,000 | 154,000 | 35,000 | 5,000 | 46,000 | 28,000 | 18,000 |
| Technology/technical fields | 397,000 | 334,000 | 315,000 | 18,000 | 17,000 | 46,000 | 30,000 | 16,000 |
| Male | 342,000 | 292,000 | 281,000 | 11,000 | 15,000 | 36,000 | 28,000 | 8,000 |
| Female | 55,000 | 42,000 | 34,000 | 8,000 | 3,000 | 10,000 | 3,000 | 8,000 |
| Other S&E-related fields | 369,000 | 336,000 | 305,000 | 31,000 | 5,000 | 28,000 | 13,000 | 15,000 |
| Male | 271,000 | 253,000 | 238,000 | 15,000 | 3,000 | 14,000 | 11,000 | 3,000 |
| Female | 99,000 | 83,000 | 67,000 | 16,000 | 2,000 | 14,000 | 2,000 | 11,000 |
| Non-S&E fields | 4,564,000 | 4,059,000 | 3,689,000 | 370,000 | 97,000 | 409,000 | 254,000 | 155,000 |
| Male | 2,608,000 | 2,362,000 | 2,234,000 | 128,000 | 57,000 | 189,000 | 166,000 | 22,000 |
| Female | 1,956,000 | 1,697,000 | 1,454,000 | 242,000 | 40,000 | 220,000 | 88,000 | 132,000 |
| Arts/humanities | 390,000 | 366,000 | 315,000 | 51,000 | 5,000 | 19,000 | 12,000 | 7,000 |
| Male | 206,000 | 196,000 | 182,000 | 14,000 | S | 9,000 | 7,000 | 2,000 |
| Female | 183,000 | 169,000 | 133,000 | 37,000 | 4,000 | 10,000 | 5,000 | 5,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Education, except science/mathematics teacher education | 1,044,000 | 890,000 | 812,000 | 78,000 | 12,000 | 142,000 | 102,000 | 40,000 |
| Male | 433,000 | 365,000 | 340,000 | 25,000 | 6,000 | 63,000 | 58,000 | 5,000 |
| Female | 611,000 | 525,000 | 472,000 | 53,000 | 6,000 | 79,000 | 45,000 | 35,000 |
| Management/administration | 1,522,000 | 1,367,000 | 1,281,000 | 86,000 | 42,000 | 114,000 | 68,000 | 46,000 |
| Male | 1,080,000 | 986,000 | 947,000 | 39,000 | 30,000 | 64,000 | 56,000 | 7,000 |
| Female | 442,000 | 380,000 | 333,000 | 47,000 | 11,000 | 50,000 | 11,000 | 39,000 |
| Sales/marketing | 160,000 | 144,000 | 131,000 | 14,000 | 6,000 | 10,000 | 4,000 | 6,000 |
| Male | 100,000 | 93,000 | 90,000 | 3,000 | 4,000 | 3,000 | 3,000 | S |
| Female | 60,000 | 52,000 | 40,000 | 11,000 | 1,000 | 7,000 | S | 6,000 |
| Social services/related | 357,000 | 317,000 | 267,000 | 50,000 | 6,000 | 34,000 | 17,000 | 17,000 |
| Male | 159,000 | 141,000 | 129,000 | 12,000 | S | 16,000 | 13,000 | 4,000 |
| Female | 198,000 | 176,000 | 138,000 | 38,000 | 5,000 | 18,000 | 4,000 | 14,000 |
| Other non-S&E fields | 1,092,000 | 975,000 | 883,000 | 92,000 | 27,000 | 90,000 | 52,000 | 38,000 |
| Male | 629,000 | 581,000 | 546,000 | 35,000 | 14,000 | 34,000 | 30,000 | 4,000 |
| Female | 462,000 | 394,000 | 338,000 | 57,000 | 13,000 | 56,000 | 21,000 | 34,000 |
| Bachelor's degrees | 12,782,000 | 10,490,000 | 9,259,000 | 1,231,000 | 368,000 | 1,924,000 | 897,000 | 1,027,000 |
| Male | 6,909,000 | 5,912,000 | 5,625,000 | 287,000 | 210,000 | 788,000 | 592,000 | 195,000 |
| Female | 5,872,000 | 4,578,000 | 3,633,000 | 944,000 | 159,000 | 1,136,000 | 304,000 | 832,000 |
| S&E fields | 8,716,000 | 6,953,000 | 6,269,000 | 684,000 | 317,000 | 1,447,000 | 689,000 | 758,000 |
| Male | 5,287,000 | 4,424,000 | 4,209,000 | 215,000 | 186,000 | 677,000 | 509,000 | 169,000 |
| Female | 3,429,000 | 2,529,000 | 2,060,000 | 469,000 | 131,000 | 769,000 | 180,000 | 589,000 |
| Sciences | 6,666,000 | 5,276,000 | 4,677,000 | 599,000 | 239,000 | 1,152,000 | 451,000 | 701,000 |
| Male | 3,471,000 | 2,936,000 | 2,779,000 | 157,000 | 120,000 | 416,000 | 277,000 | 139,000 |
| Female | 3,195,000 | 2,340,000 | 1,898,000 | 442,000 | 119,000 | 736,000 | 174,000 | 562,000 |
| Biological/agricultural/environmental life sciences | 1,369,000 | 1,082,000 | 967,000 | 115,000 | 39,000 | 249,000 | 85,000 | 164,000 |
| Male | 721,000 | 601,000 | 568,000 | 33,000 | 17,000 | 103,000 | 55,000 | 48,000 |
| Female | 648,000 | 481,000 | 399,000 | 82,000 | 22,000 | 145,000 | 30,000 | 115,000 |
| Agricultural/food sciences | 232,000 | 199,000 | 183,000 | 15,000 | 5,000 | 28,000 | 17,000 | 11,000 |
| Male | 150,000 | 130,000 | 125,000 | 5,000 | S | 19,000 | 15,000 | 4,000 |
| Female | 82,000 | 69,000 | 58,000 | 10,000 | 5,000 | 9,000 | S | 7,000 |
| Biological sciences | 998,000 | 767,000 | 675,000 | 93,000 | 28,000 | 202,000 | 58,000 | 144,000 |
| Male | 474,000 | 389,000 | 364,000 | 25,000 | 13,000 | 72,000 | 30,000 | 42,000 |
| Female | 524,000 | 378,000 | 311,000 | 67,000 | 16,000 | 130,000 | 28,000 | 102,000 |
| Environmental life sciences | 139,000 | 116,000 | 109,000 | 6,000 | 5,000 | 18,000 | 10,000 | 9,000 |
| Male | 98,000 | 82,000 | 80,000 | 2,000 | 3,000 | 13,000 | 10,000 | 3,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Female | 41,000 | 34,000 | 30,000 | 4,000 | 2,000 | 6,000 | S | 6,000 |
| Computer/mathematical sciences | 1,202,000 | 1,010,000 | 927,000 | 83,000 | 49,000 | 143,000 | 55,000 | 88,000 |
| Male | 758,000 | 670,000 | 649,000 | 22,000 | 32,000 | 56,000 | 37,000 | 19,000 |
| Female | 444,000 | 340,000 | 279,000 | 61,000 | 17,000 | 86,000 | 18,000 | 69,000 |
| Computer/information sciences | 753,000 | 667,000 | 623,000 | 44,000 | 34,000 | 52,000 | 7,000 | 45,000 |
| Male | 498,000 | 460,000 | 449,000 | 11,000 | 23,000 | 15,000 | 5,000 | 10,000 |
| Female | 255,000 | 207,000 | 175,000 | 33,000 | 11,000 | 37,000 | 2,000 | 34,000 |
| Mathematical sciences | 449,000 | 343,000 | 304,000 | 39,000 | 15,000 | 91,000 | 48,000 | 43,000 |
| Male | 260,000 | 210,000 | 200,000 | 10,000 | 9,000 | 41,000 | 32,000 | 9,000 |
| Female | 189,000 | 133,000 | 104,000 | 29,000 | 6,000 | 50,000 | 16,000 | 34,000 |
| Physical/related sciences | 548,000 | 423,000 | 387,000 | 36,000 | 17,000 | 107,000 | 68,000 | 39,000 |
| Male | 378,000 | 299,000 | 282,000 | 17,000 | 12,000 | 67,000 | 55,000 | 12,000 |
| Female | 170,000 | 125,000 | 106,000 | 19,000 | 5,000 | 40,000 | 13,000 | 27,000 |
| Chemistry, except biochemistry | 275,000 | 209,000 | 188,000 | 21,000 | 7,000 | 59,000 | 31,000 | 29,000 |
| Male | 168,000 | 133,000 | 124,000 | 9,000 | 4,000 | 32,000 | 25,000 | 7,000 |
| Female | 107,000 | 76,000 | 65,000 | 12,000 | 3,000 | 28,000 | 6,000 | 22,000 |
| Earth/atmospheric/ocean sciences | 135,000 | 105,000 | 98,000 | 7,000 | 5,000 | 25,000 | 19,000 | 6,000 |
| Male | 109,000 | 85,000 | 81,000 | 3,000 | 4,000 | 20,000 | 16,000 | 3,000 |
| Female | 26,000 | 20,000 | 16,000 | 4,000 | 1,000 | 5,000 | S | 3,000 |
| Physics/astronomy | 93,000 | 73,000 | 66,000 | 7,000 | 4,000 | 16,000 | 13,000 | 3,000 |
| Male | 76,000 | 59,000 | 55,000 | 5,000 | 3,000 | 14,000 | 12,000 | 2,000 |
| Female | 16,000 | 14,000 | 11,000 | 3,000 | * | 2,000 | S | 1,000 |
| Other physical sciences | 46,000 | 36,000 | 36,000 | 1,000 | S | 7,000 | 6,000 | 1,000 |
| Male | 25,000 | 22,000 | 22,000 | S | S | 2,000 | S | S |
| Female | 21,000 | 15,000 | 14,000 | 1,000 | S | 5,000 | S | 1,000 |
| Social/related sciences | 3,547,000 | 2,760,000 | 2,395,000 | 365,000 | 134,000 | 653,000 | 242,000 | 411,000 |
| Male | 1,614,000 | 1,366,000 | 1,280,000 | 85,000 | 59,000 | 189,000 | 129,000 | 60,000 |
| Female | 1,933,000 | 1,395,000 | 1,114,000 | 280,000 | 75,000 | 464,000 | 113,000 | 351,000 |
| Economics | 563,000 | 455,000 | 413,000 | 43,000 | 23,000 | 84,000 | 43,000 | 42,000 |
| Male | 406,000 | 346,000 | 330,000 | 15,000 | 13,000 | 47,000 | 35,000 | 12,000 |
| Female | 157,000 | 109,000 | 82,000 | 27,000 | 11,000 | 37,000 | 7,000 | 30,000 |
| Political/related sciences | 688,000 | 548,000 | 492,000 | 56,000 | 30,000 | 109,000 | 46,000 | 64,000 |
| Male | 413,000 | 347,000 | 325,000 | 22,000 | 16,000 | 50,000 | 31,000 | 18,000 |
| Female | 275,000 | 201,000 | 167,000 | 34,000 | 14,000 | 60,000 | 14,000 | 45,000 |
| Psychology | 1,133,000 | 849,000 | 703,000 | 146,000 | 43,000 | 242,000 | 77,000 | 165,000 |
| Male | 335,000 | 274,000 | 249,000 | 26,000 | 13,000 | 47,000 | 33,000 | 14,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Female | 798,000 | 574,000 | 454,000 | 120,000 | 30,000 | 195,000 | 44,000 | 151,000 |
| Sociology/anthropology | 798,000 | 605,000 | 522,000 | 83,000 | 29,000 | 164,000 | 55,000 | 109,000 |
| Male | 283,000 | 243,000 | 228,000 | 15,000 | 11,000 | 29,000 | 18,000 | 11,000 |
| Female | 516,000 | 362,000 | 294,000 | 68,000 | 18,000 | 136,000 | 37,000 | 98,000 |
| Other social sciences | 364,000 | 303,000 | 265,000 | 38,000 | 8,000 | 53,000 | 22,000 | 31,000 |
| Male | 177,000 | 156,000 | 148,000 | 8,000 | 5,000 | 16,000 | 12,000 | 4,000 |
| Female | 187,000 | 147,000 | 117,000 | 30,000 | 3,000 | 37,000 | 10,000 | 27,000 |
| Engineering | 2,050,000 | 1,677,000 | 1,592,000 | 85,000 | 78,000 | 295,000 | 238,000 | 57,000 |
| Male | 1,816,000 | 1,488,000 | 1,430,000 | 58,000 | 66,000 | 261,000 | 232,000 | 29,000 |
| Female | 234,000 | 189,000 | 162,000 | 26,000 | 12,000 | 33,000 | 6,000 | 28,000 |
| Aerospace/related engineering | 74,000 | 64,000 | 61,000 | 3,000 | 2,000 | 9,000 | 8,000 | * |
| Male | 68,000 | 57,000 | 55,000 | 3,000 | 2,000 | 8,000 | 8,000 | S |
| Female | 7,000 | 7,000 | 6,000 | * | S | S | S | S |
| Chemical engineering | 144,000 | 116,000 | 110,000 | 6,000 | 4,000 | 24,000 | 18,000 | 6,000 |
| Male | 112,000 | 90,000 | 87,000 | 2,000 | 3,000 | 19,000 | 17,000 | 2,000 |
| Female | 32,000 | 26,000 | 23,000 | 3,000 | 1,000 | 5,000 | S | 4,000 |
| Civil/architectural engineering | 335,000 | 288,000 | 276,000 | 12,000 | 10,000 | 37,000 | 30,000 | 7,000 |
| Male | 299,000 | 258,000 | 248,000 | 10,000 | 8,000 | 33,000 | 29,000 | 4,000 |
| Female | 36,000 | 30,000 | 28,000 | 3,000 | 2,000 | 4,000 | S | 3,000 |
| Electrical/computer engineering | 628,000 | 518,000 | 494,000 | 24,000 | 31,000 | 78,000 | 60,000 | 18,000 |
| Male | 565,000 | 466,000 | 450,000 | 16,000 | 27,000 | 72,000 | 60,000 | 12,000 |
| Female | 63,000 | 53,000 | 45,000 | 8,000 | 4,000 | 7,000 | S | 6,000 |
| Industrial engineering | 137,000 | 101,000 | 97,000 | 4,000 | 7,000 | 30,000 | 23,000 | 7,000 |
| Male | 114,000 | 83,000 | 81,000 | 2,000 | 6,000 | 25,000 | 23,000 | 2,000 |
| Female | 23,000 | 17,000 | 16,000 | 1,000 | 1,000 | 5,000 | S | 5,000 |
| Mechanical engineering | 480,000 | 393,000 | 370,000 | 22,000 | 17,000 | 70,000 | 63,000 | 7,000 |
| Male | 442,000 | 362,000 | 346,000 | 16,000 | 15,000 | 65,000 | 62,000 | 4,000 |
| Female | 38,000 | 31,000 | 25,000 | 6,000 | 2,000 | 4,000 | S | 3,000 |
| Other engineering | 251,000 | 197,000 | 184,000 | 13,000 | 7,000 | 46,000 | 35,000 | 12,000 |
| Male | 216,000 | 172,000 | 164,000 | 9,000 | 5,000 | 39,000 | 33,000 | 5,000 |
| Female | 34,000 | 25,000 | 20,000 | 5,000 | 2,000 | 8,000 | S | 6,000 |
| S&E-related fields | 2,828,000 | 2,322,000 | 1,890,000 | 432,000 | 48,000 | 458,000 | 200,000 | 258,000 |
| Male | 946,000 | 824,000 | 777,000 | 48,000 | 22,000 | 100,000 | 78,000 | 22,000 |
| Female | 1,882,000 | 1,498,000 | 1,114,000 | 384,000 | 26,000 | 358,000 | 122,000 | 236,000 |
| Health | 1,994,000 | 1,621,000 | 1,254,000 | 367,000 | 24,000 | 350,000 | 131,000 | 219,000 |
| Male | 355,000 | 313,000 | 291,000 | 22,000 | 3,000 | 38,000 | 27,000 | 11,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Female | 1,640,000 | 1,308,000 | 963,000 | 345,000 | 21,000 | 311,000 | 103,000 | 208,000 |
| Science/mathematics teacher education | 237,000 | 185,000 | 158,000 | 27,000 | 5,000 | 48,000 | 35,000 | 12,000 |
| Male | 108,000 | 85,000 | 78,000 | 7,000 | 2,000 | 20,000 | 20,000 | S |
| Female | 129,000 | 99,000 | 80,000 | 20,000 | S | 27,000 | 15,000 | 12,000 |
| Technology/technical fields | 336,000 | 282,000 | 266,000 | 16,000 | 16,000 | 38,000 | 26,000 | 12,000 |
| Male | 292,000 | 248,000 | 239,000 | 9,000 | 13,000 | 30,000 | 23,000 | 7,000 |
| Female | 43,000 | 33,000 | 27,000 | 7,000 | 2,000 | 8,000 | S | 5,000 |
| Other S&E-related fields | 260,000 | 235,000 | 212,000 | 22,000 | 3,000 | 22,000 | 9,000 | 14,000 |
| Male | 191,000 | 177,000 | 168,000 | 10,000 | 3,000 | 11,000 | 8,000 | 3,000 |
| Female | 69,000 | 57,000 | 44,000 | 13,000 | S | 11,000 | S | 10,000 |
| Non-S&E fields | 1,238,000 | 1,215,000 | 1,100,000 | 115,000 | 4,000 | 19,000 | 8,000 | 12,000 |
| Male | 677,000 | 664,000 | 640,000 | 24,000 | S | 10,000 | 5,000 | 5,000 |
| Female | 562,000 | 551,000 | 460,000 | 91,000 | S | 9,000 | S | 7,000 |
| Arts and humanities | 257,000 | 252,000 | 223,000 | 29,000 | S | 4,000 | S | 3,000 |
| Male | 141,000 | 139,000 | 135,000 | 4,000 | S | S | S | S |
| Female | 116,000 | 114,000 | 89,000 | 25,000 | S | S | S | S |
| Education, except science/mathematics teacher education | 221,000 | 217,000 | 200,000 | 17,000 | S | 4,000 | S | S |
| Male | 79,000 | 77,000 | 74,000 | 3,000 | S | S | S | S |
| Female | 142,000 | 140,000 | 125,000 | 15,000 | S | S | S | S |
| Management/administration | 478,000 | 468,000 | 436,000 | 32,000 | S | 7,000 | 4,000 | 3,000 |
| Male | 320,000 | 315,000 | 305,000 | 10,000 | S | 4,000 | 3,000 | S |
| Female | 158,000 | 153,000 | 131,000 | 22,000 | S | 4,000 | S | S |
| Sales/marketing | 54,000 | 53,000 | 49,000 | 4,000 | S | S | S | S |
| Male | 28,000 | 27,000 | 27,000 | S | S | S | S | S |
| Female | 26,000 | 26,000 | 21,000 | 4,000 | S | S | S | S |
| Social services/related | 42,000 | 40,000 | 33,000 | 6,000 | S | S | S | S |
| Male | 24,000 | 22,000 | 20,000 | S | S | S | S | S |
| Female | 18,000 | 18,000 | 13,000 | 4,000 | S | S | S | S |
| Other non-S&E fields | 187,000 | 185,000 | 159,000 | 25,000 | S | 2,000 | S | S |
| Male | 85,000 | 84,000 | 79,000 | 5,000 | S | S | S | S |
| Female | 102,000 | 101,000 | 80,000 | 20,000 | S | S | S | S |
| Master's degrees | 5,967,000 | 4,979,000 | 4,411,000 | 568,000 | 173,000 | 814,000 | 501,000 | 313,000 |
| Male | 3,222,000 | 2,756,000 | 2,572,000 | 184,000 | 99,000 | 366,000 | 317,000 | 50,000 |
| Female | 2,745,000 | 2,223,000 | 1,839,000 | 384,000 | 74,000 | 448,000 | 185,000 | 263,000 |
| S&E fields | 2,348,000 | 1,919,000 | 1,704,000 | 215,000 | 79,000 | 350,000 | 215,000 | 135,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Male | 1,446,000 | 1,211,000 | 1,130,000 | 81,000 | 49,000 | 186,000 | 152,000 | 34,000 |
| Female | 902,000 | 708,000 | 574,000 | 134,000 | 30,000 | 164,000 | 63,000 | 101,000 |
| Sciences | 1,706,000 | 1,384,000 | 1,204,000 | 180,000 | 55,000 | 267,000 | 158,000 | 109,000 |
| Male | 895,000 | 748,000 | 693,000 | 55,000 | 29,000 | 118,000 | 96,000 | 23,000 |
| Female | 811,000 | 637,000 | 511,000 | 125,000 | 26,000 | 149,000 | 62,000 | 86,000 |
| Biological/agricultural/environmental life sciences | 261,000 | 209,000 | 186,000 | 23,000 | 5,000 | 46,000 | 28,000 | 18,000 |
| Male | 135,000 | 111,000 | 105,000 | 6,000 | 2,000 | 23,000 | 18,000 | 4,000 |
| Female | 125,000 | 98,000 | 81,000 | 17,000 | 3,000 | 24,000 | 10,000 | 14,000 |
| Agricultural/food sciences | 37,000 | 31,000 | 29,000 | 2,000 | S | 5,000 | 4,000 | 1,000 |
| Male | 23,000 | 18,000 | 17,000 | 1,000 | S | 4,000 | 4,000 | S |
| Female | 14,000 | 13,000 | 12,000 | 1,000 | S | 1,000 | S | * |
| Biological sciences | 185,000 | 148,000 | 130,000 | 18,000 | 4,000 | 33,000 | 17,000 | 16,000 |
| Male | 87,000 | 72,000 | 68,000 | 4,000 | 2,000 | 13,000 | 10,000 | 3,000 |
| Female | 98,000 | 75,000 | 62,000 | 14,000 | 2,000 | 20,000 | 7,000 | 13,000 |
| Environmental life sciences | 39,000 | 30,000 | 27,000 | 2,000 | S | 9,000 | 7,000 | 2,000 |
| Male | 26,000 | 20,000 | 20,000 | S | S | 5,000 | 4,000 | 1,000 |
| Female | 13,000 | 10,000 | 8,000 | 2,000 | S | 3,000 | S | * |
| Computer/mathematical sciences | 444,000 | 375,000 | 343,000 | 32,000 | 25,000 | 44,000 | 24,000 | 20,000 |
| Male | 295,000 | 255,000 | 243,000 | 12,000 | 15,000 | 25,000 | 20,000 | 5,000 |
| Female | 149,000 | 120,000 | 101,000 | 20,000 | 10,000 | 19,000 | 4,000 | 14,000 |
| Computer/information sciences | 316,000 | 277,000 | 259,000 | 18,000 | 19,000 | 21,000 | 7,000 | 14,000 |
| Male | 215,000 | 196,000 | 190,000 | 6,000 | 10,000 | 8,000 | 5,000 | 3,000 |
| Female | 101,000 | 80,000 | 69,000 | 11,000 | 9,000 | 12,000 | 2,000 | 11,000 |
| Mathematical sciences | 128,000 | 98,000 | 84,000 | 15,000 | 6,000 | 23,000 | 17,000 | 6,000 |
| Male | 80,000 | 58,000 | 53,000 | 6,000 | 5,000 | 17,000 | 14,000 | 2,000 |
| Female | 48,000 | 40,000 | 31,000 | 9,000 | 1,000 | 7,000 | 3,000 | 4,000 |
| Physical/related sciences | 161,000 | 130,000 | 112,000 | 18,000 | 5,000 | 26,000 | 18,000 | 7,000 |
| Male | 117,000 | 94,000 | 85,000 | 9,000 | 4,000 | 19,000 | 16,000 | 3,000 |
| Female | 44,000 | 35,000 | 26,000 | 9,000 | 1,000 | 7,000 | 2,000 | 5,000 |
| Chemistry, except biochemistry | 59,000 | 46,000 | 40,000 | 6,000 | 2,000 | 11,000 | 8,000 | 3,000 |
| Male | 38,000 | 28,000 | 26,000 | 2,000 | 1,000 | 9,000 | 7,000 | 1,000 |
| Female | 22,000 | 18,000 | 14,000 | 4,000 | 1,000 | 3,000 | 1,000 | 2,000 |
| Earth/atmospheric/ocean sciences | 55,000 | 47,000 | 40,000 | 7,000 | 1,000 | 7,000 | 5,000 | 2,000 |
| Male | 41,000 | 36,000 | 32,000 | 4,000 | S | 4,000 | 4,000 | 1,000 |
| Female | 14,000 | 11,000 | 8,000 | 3,000 | 1,000 | 3,000 | S | 2,000 |
| Physics/astronomy | 40,000 | 31,000 | 27,000 | 4,000 | 2,000 | 6,000 | 4,000 | 2,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Male | 34,000 | 27,000 | 24,000 | 4,000 | 2,000 | 4,000 | 4,000 | 1,000 |
| Female | 6,000 | 4,000 | 3,000 | * | S | 2,000 | S | S |
| Other physical sciences | 7,000 | 5,000 | 4,000 | S | S | S | S | S |
| Male | 4,000 | 3,000 | 3,000 | S | S | S | S | S |
| Female | 2,000 | 2,000 | 1,000 | S | S | S | S | S |
| Social/related sciences | 840,000 | 670,000 | 563,000 | 107,000 | 19,000 | 151,000 | 88,000 | 63,000 |
| Male | 347,000 | 288,000 | 260,000 | 28,000 | 7,000 | 52,000 | 42,000 | 10,000 |
| Female | 493,000 | 383,000 | 303,000 | 80,000 | 12,000 | 99,000 | 46,000 | 53,000 |
| Economics | 89,000 | 72,000 | 64,000 | 8,000 | 1,000 | 16,000 | 13,000 | 3,000 |
| Male | 65,000 | 53,000 | 48,000 | 5,000 | 1,000 | 11,000 | 9,000 | 2,000 |
| Female | 25,000 | 19,000 | 16,000 | 3,000 | S | 6,000 | 4,000 | 2,000 |
| Political/related sciences | 118,000 | 97,000 | 88,000 | 8,000 | 4,000 | 18,000 | 11,000 | 6,000 |
| Male | 72,000 | 59,000 | 57,000 | 2,000 | 2,000 | 11,000 | 9,000 | 2,000 |
| Female | 46,000 | 38,000 | 31,000 | 6,000 | 1,000 | 7,000 | 3,000 | 4,000 |
| Psychology | 473,000 | 373,000 | 305,000 | 68,000 | 10,000 | 90,000 | 47,000 | 43,000 |
| Male | 139,000 | 117,000 | 102,000 | 15,000 | 2,000 | 21,000 | 16,000 | 5,000 |
| Female | 334,000 | 256,000 | 203,000 | 53,000 | 8,000 | 70,000 | 31,000 | 38,000 |
| Sociology/anthropology | 66,000 | 52,000 | 41,000 | 11,000 | 2,000 | 12,000 | 7,000 | 5,000 |
| Male | 28,000 | 21,000 | 20,000 | 2,000 | 1,000 | 5,000 | 3,000 | 1,000 |
| Female | 38,000 | 31,000 | 21,000 | 10,000 | S | 7,000 | 3,000 | 4,000 |
| Other social sciences | 94,000 | 77,000 | 65,000 | 12,000 | 3,000 | 15,000 | 9,000 | 6,000 |
| Male | 43,000 | 37,000 | 33,000 | 5,000 | 1,000 | 5,000 | 5,000 | * |
| Female | 51,000 | 39,000 | 32,000 | 7,000 | 2,000 | 9,000 | 4,000 | 5,000 |
| Engineering | 642,000 | 535,000 | 500,000 | 35,000 | 24,000 | 83,000 | 57,000 | 26,000 |
| Male | 552,000 | 464,000 | 437,000 | 26,000 | 20,000 | 68,000 | 57,000 | 11,000 |
| Female | 91,000 | 71,000 | 62,000 | 9,000 | 4,000 | 16,000 | 1,000 | 15,000 |
| Aerospace/related engineering | 19,000 | 15,000 | 15,000 | 1,000 | S | 3,000 | 3,000 | * |
| Male | 18,000 | 14,000 | 14,000 | * | S | 3,000 | 3,000 | S |
| Female | 1,000 | 1,000 | 1,000 | * | S | S | S | S |
| Chemical engineering | 33,000 | 27,000 | 26,000 | 1,000 | 1,000 | 6,000 | 3,000 | 2,000 |
| Male | 26,000 | 21,000 | 20,000 | 1,000 | * | 5,000 | 3,000 | 1,000 |
| Female | 7,000 | 6,000 | 6,000 | S | S | 1,000 | S | 1,000 |
| Civil/architectural engineering | 96,000 | 86,000 | 77,000 | 9,000 | 2,000 | 8,000 | 7,000 | 1,000 |
| Male | 83,000 | 74,000 | 68,000 | 6,000 | 2,000 | 7,000 | 6,000 | S |
| Female | 13,000 | 12,000 | 9,000 | 3,000 | S | 1,000 | S | 1,000 |
| Electrical/computer engineering | 237,000 | 194,000 | 183,000 | 11,000 | 9,000 | 33,000 | 24,000 | 9,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Male | 203,000 | 169,000 | 159,000 | 9,000 | 8,000 | 27,000 | 23,000 | 3,000 |
| Female | 34,000 | 26,000 | 24,000 | 2,000 | 2,000 | 6,000 | S | 6,000 |
| Industrial engineering | 40,000 | 29,000 | 28,000 | 1,000 | 3,000 | 8,000 | 6,000 | 3,000 |
| Male | 33,000 | 24,000 | 24,000 | * | 2,000 | 7,000 | 6,000 | 1,000 |
| Female | 7,000 | 5,000 | 5,000 | * | * | 2,000 | S | 2,000 |
| Mechanical engineering | 100,000 | 84,000 | 79,000 | 4,000 | 3,000 | 13,000 | 9,000 | 4,000 |
| Male | 93,000 | 79,000 | 75,000 | 4,000 | 3,000 | 11,000 | 9,000 | 2,000 |
| Female | 7,000 | 5,000 | 5,000 | 1,000 | S | 2,000 | S | 2,000 |
| Other engineering | 117,000 | 99,000 | 91,000 | 7,000 | 5,000 | 13,000 | 6,000 | 7,000 |
| Male | 96,000 | 83,000 | 78,000 | 5,000 | 4,000 | 9,000 | 6,000 | 3,000 |
| Female | 21,000 | 16,000 | 14,000 | 2,000 | 1,000 | 4,000 | S | 4,000 |
| S&E-related fields | 1,088,000 | 915,000 | 762,000 | 153,000 | 24,000 | 149,000 | 88,000 | 62,000 |
| Male | 349,000 | 301,000 | 277,000 | 25,000 | 8,000 | 40,000 | 37,000 | 2,000 |
| Female | 739,000 | 613,000 | 485,000 | 128,000 | 17,000 | 110,000 | 50,000 | 59,000 |
| Health | 740,000 | 624,000 | 507,000 | 118,000 | 17,000 | 98,000 | 46,000 | 52,000 |
| Male | 146,000 | 130,000 | 121,000 | 9,000 | 4,000 | 12,000 | 10,000 | 2,000 |
| Female | 593,000 | 494,000 | 386,000 | 109,000 | 13,000 | 86,000 | 36,000 | 50,000 |
| Science/mathematics teacher education | 189,000 | 147,000 | 122,000 | 25,000 | 4,000 | 39,000 | 33,000 | 6,000 |
| Male | 83,000 | 61,000 | 52,000 | 9,000 | S | 21,000 | 20,000 | S |
| Female | 106,000 | 85,000 | 70,000 | 15,000 | 2,000 | 18,000 | 12,000 | 6,000 |
| Technology/technical fields | 58,000 | 49,000 | 47,000 | 2,000 | 2,000 | 7,000 | 4,000 | 3,000 |
| Male | 46,000 | 40,000 | 39,000 | 1,000 | 1,000 | 4,000 | 4,000 | S |
| Female | 12,000 | 9,000 | 8,000 | S | S | 3,000 | S | 2,000 |
| Other S&E-related fields | 102,000 | 95,000 | 87,000 | 8,000 | 2,000 | 5,000 | 4,000 | S |
| Male | 73,000 | 70,000 | 65,000 | 5,000 | S | 3,000 | 3,000 | S |
| Female | 28,000 | 25,000 | 22,000 | 3,000 | S | 2,000 | S | S |
| Non-S&E fields | 2,530,000 | 2,145,000 | 1,946,000 | 200,000 | 70,000 | 314,000 | 198,000 | 116,000 |
| Male | 1,426,000 | 1,243,000 | 1,166,000 | 78,000 | 43,000 | 140,000 | 127,000 | 13,000 |
| Female | 1,104,000 | 902,000 | 780,000 | 122,000 | 28,000 | 174,000 | 71,000 | 103,000 |
| Arts/humanities | 113,000 | 97,000 | 77,000 | 20,000 | 4,000 | 12,000 | 9,000 | 4,000 |
| Male | 53,000 | 48,000 | 38,000 | 10,000 | S | 5,000 | 4,000 | S |
| Female | 60,000 | 49,000 | 39,000 | 10,000 | 3,000 | 8,000 | 4,000 | 3,000 |
| Education, except science/mathematics teacher education | 743,000 | 606,000 | 553,000 | 54,000 | 10,000 | 127,000 | 92,000 | 35,000 |
| Male | 310,000 | 251,000 | 232,000 | 20,000 | 5,000 | 54,000 | 51,000 | 3,000 |
| Female | 433,000 | 355,000 | 321,000 | 34,000 | 5,000 | 73,000 | 41,000 | 32,000 |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Management/administration | 1,025,000 | 882,000 | 830,000 | 52,000 | 38,000 | 104,000 | 61,000 | 43,000 |
| Male | 744,000 | 657,000 | 629,000 | 28,000 | 29,000 | 59,000 | 52,000 | 7,000 |
| Female | 280,000 | 225,000 | 201,000 | 24,000 | 10,000 | 45,000 | 9,000 | 36,000 |
| Sales/marketing | 104,000 | 90,000 | 80,000 | 10,000 | 5,000 | 10,000 | 4,000 | 6,000 |
| Male | 71,000 | 64,000 | 62,000 | 3,000 | 4,000 | 3,000 | 3,000 | S |
| Female | 33,000 | 25,000 | 18,000 | 7,000 | 1,000 | 7,000 | S | 6,000 |
| Social services/related | 283,000 | 248,000 | 207,000 | 41,000 | 6,000 | 29,000 | 13,000 | 16,000 |
| Male | 110,000 | 97,000 | 88,000 | 9,000 | S | 12,000 | 9,000 | 2,000 |
| Female | 173,000 | 151,000 | 119,000 | 31,000 | 5,000 | 18,000 | 4,000 | 14,000 |
| Other non-S&E fields | 262,000 | 222,000 | 198,000 | 24,000 | 8,000 | 32,000 | 20,000 | 13,000 |
| Male | 138,000 | 125,000 | 117,000 | 9,000 | 4,000 | 8,000 | 8,000 | S |
| Female | 125,000 | 97,000 | 81,000 | 16,000 | 4,000 | 24,000 | 12,000 | 12,000 |
| Doctorate degrees | 1,026,000 | 885,000 | 802,000 | 84,000 | 21,000 | 119,000 | 95,000 | 25,000 |
| Male | 726,000 | 627,000 | 582,000 | 45,000 | 14,000 | 84,000 | 77,000 | 8,000 |
| Female | 300,000 | 258,000 | 220,000 | 39,000 | 7,000 | 35,000 | 18,000 | 17,000 |
| S&E fields | 796,000 | 690,000 | 625,000 | 65,000 | 18,000 | 88,000 | 69,000 | 19,000 |
| Male | 590,000 | 513,000 | 476,000 | 37,000 | 13,000 | 65,000 | 59,000 | 6,000 |
| Female | 206,000 | 177,000 | 150,000 | 28,000 | 6,000 | 23,000 | 10,000 | 13,000 |
| Sciences | 656,000 | 568,000 | 510,000 | 57,000 | 14,000 | 74,000 | 57,000 | 17,000 |
| Male | 462,000 | 401,000 | 370,000 | 30,000 | 9,000 | 52,000 | 47,000 | 5,000 |
| Female | 194,000 | 167,000 | 140,000 | 27,000 | 5,000 | 22,000 | 10,000 | 12,000 |
| Biological/agricultural/environmental life sciences | 221,000 | 191,000 | 178,000 | 12,000 | 6,000 | 25,000 | 19,000 | 6,000 |
| Male | 151,000 | 131,000 | 125,000 | 7,000 | 3,000 | 16,000 | 15,000 | 2,000 |
| Female | 71,000 | 59,000 | 53,000 | 6,000 | 3,000 | 8,000 | 4,000 | 4,000 |
| Agricultural/food sciences | 23,000 | 19,000 | 18,000 | 1,000 | * | 3,000 | 3,000 | * |
| Male | 19,000 | 16,000 | 15,000 | 1,000 | * | 3,000 | 3,000 | S |
| Female | 4,000 | 3,000 | 3,000 | * | * | 1,000 | * | * |
| Biological sciences | 191,000 | 165,000 | 154,000 | 11,000 | 5,000 | 20,000 | 15,000 | 6,000 |
| Male | 126,000 | 111,000 | 105,000 | 5,000 | 3,000 | 13,000 | 11,000 | 1,000 |
| Female | 65,000 | 55,000 | 49,000 | 6,000 | 3,000 | 8,000 | 4,000 | 4,000 |
| Environmental life sciences | 7,000 | 6,000 | 5,000 | * | S | 1,000 | 1,000 | S |
| Male | 5,000 | 5,000 | 4,000 | * | S | 1,000 | 1,000 | S |
| Female | 1,000 | 1,000 | 1,000 | * | S | S | S | S |
| Computer/mathematical sciences | 57,000 | 51,000 | 48,000 | 3,000 | 1,000 | 5,000 | 4,000 | 1,000 |
| Male | 47,000 | 42,000 | 39,000 | 3,000 | 1,000 | 4,000 | 3,000 | 1,000 |
| Female | 10,000 | 9,000 | 8,000 | 1,000 | * | 1,000 | * | * |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Computer/information sciences | 18,000 | 17,000 | 16,000 | 1,000 | * | * | * | * |
| Male | 15,000 | 15,000 | 14,000 | 1,000 | * | * | S | * |
| Female | 3,000 | 2,000 | 2,000 | * | S | * | S | * |
| Mathematical sciences | 39,000 | 34,000 | 32,000 | 2,000 | 1,000 | 5,000 | 4,000 | 1,000 |
| Male | 32,000 | 27,000 | 25,000 | 2,000 | 1,000 | 4,000 | 3,000 | * |
| Female | 8,000 | 7,000 | 6,000 | 1,000 | * | 1,000 | * | * |
| Physical/related sciences | 167,000 | 141,000 | 131,000 | 9,000 | 4,000 | 22,000 | 19,000 | 3,000 |
| Male | 142,000 | 120,000 | 113,000 | 7,000 | 3,000 | 19,000 | 18,000 | 1,000 |
| Female | 24,000 | 21,000 | 19,000 | 2,000 | 1,000 | 3,000 | 1,000 | 2,000 |
| Chemistry, except biochemistry | 86,000 | 71,000 | 66,000 | 5,000 | 2,000 | 13,000 | 11,000 | 2,000 |
| Male | 71,000 | 58,000 | 55,000 | 4,000 | 2,000 | 11,000 | 10,000 | 1,000 |
| Female | 15,000 | 13,000 | 12,000 | 1,000 | * | 2,000 | 1,000 | 1,000 |
| Earth/atmospheric/ocean sciences | 21,000 | 18,000 | 17,000 | 1,000 | * | 3,000 | 3,000 | * |
| Male | 18,000 | 15,000 | 14,000 | 1,000 | * | 3,000 | 3,000 | * |
| Female | 3,000 | 3,000 | 3,000 | * | * | * | * | * |
| Physics/astronomy | 55,000 | 48,000 | 45,000 | 3,000 | 1,000 | 6,000 | 5,000 | 1,000 |
| Male | 50,000 | 43,000 | 41,000 | 3,000 | 1,000 | 5,000 | 5,000 | * |
| Female | 5,000 | 4,000 | 4,000 | * | * | 1,000 | * | 1,000 |
| Other physical sciences | 4,000 | 4,000 | 4,000 | * | S | * | * | S |
| Male | 4,000 | 3,000 | 3,000 | * | S | * | * | S |
| Female | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Social/related sciences | 211,000 | 185,000 | 153,000 | 32,000 | 3,000 | 22,000 | 16,000 | 6,000 |
| Male | 122,000 | 108,000 | 93,000 | 14,000 | 2,000 | 13,000 | 11,000 | 2,000 |
| Female | 89,000 | 78,000 | 60,000 | 18,000 | 2,000 | 9,000 | 4,000 | 5,000 |
| Economics | 28,000 | 24,000 | 21,000 | 2,000 | * | 4,000 | 3,000 | 1,000 |
| Male | 23,000 | 20,000 | 18,000 | 2,000 | * | 3,000 | 3,000 | * |
| Female | 5,000 | 4,000 | 4,000 | * | * | * | * | * |
| Political/related sciences | 24,000 | 21,000 | 18,000 | 2,000 | * | 3,000 | 2,000 | 1,000 |
| Male | 17,000 | 15,000 | 13,000 | 2,000 | * | 2,000 | 2,000 | S |
| Female | 7,000 | 5,000 | 5,000 | * | * | 1,000 | * | 1,000 |
| Psychology | 108,000 | 96,000 | 75,000 | 22,000 | 2,000 | 10,000 | 6,000 | 3,000 |
| Male | 53,000 | 48,000 | 41,000 | 7,000 | 1,000 | 5,000 | 4,000 | 1,000 |
| Female | 55,000 | 49,000 | 34,000 | 14,000 | 1,000 | 5,000 | 2,000 | 3,000 |
| Sociology/anthropology | 31,000 | 27,000 | 23,000 | 4,000 | 1,000 | 3,000 | 3,000 | 1,000 |
| Male | 16,000 | 14,000 | 12,000 | 2,000 | * | 2,000 | 2,000 | * |
| Female | 14,000 | 13,000 | 11,000 | 2,000 | * | 1,000 | 1,000 | * |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Other social sciences | 21,000 | 18,000 | 16,000 | 2,000 | * | 2,000 | 2,000 | 1,000 |
| Male | 13,000 | 11,000 | 10,000 | 2,000 | S | 1,000 | 1,000 | * |
| Female | 8,000 | 7,000 | 6,000 | 1,000 | * | 1,000 | 1,000 | 1,000 |
| Engineering | 140,000 | 122,000 | 115,000 | 7,000 | 4,000 | 14,000 | 11,000 | 2,000 |
| Male | 129,000 | 112,000 | 105,000 | 7,000 | 4,000 | 13,000 | 11,000 | 2,000 |
| Female | 12,000 | 10,000 | 10,000 | 1,000 | * | 1,000 | * | 1,000 |
| Aerospace/related engineering | 7,000 | 6,000 | 6,000 | 1,000 | S | 1,000 | 1,000 | S |
| Male | 7,000 | 6,000 | 5,000 | 1,000 | S | 1,000 | 1,000 | S |
| Female | * | * | * | S | S | S | S | S |
| Chemical engineering | 19,000 | 16,000 | 15,000 | 1,000 | 1,000 | 2,000 | 2,000 | * |
| Male | 17,000 | 15,000 | 14,000 | 1,000 | * | 2,000 | 2,000 | S |
| Female | 2,000 | 2,000 | 1,000 | * | S | * | S | * |
| Civil/architectural engineering | 12,000 | 11,000 | 10,000 | 1,000 | * | 1,000 | 1,000 | S |
| Male | 11,000 | 10,000 | 10,000 | * | * | 1,000 | 1,000 | S |
| Female | 1,000 | 1,000 | 1,000 | * | S | S | S | S |
| Electrical/computer engineering | 41,000 | 36,000 | 34,000 | 2,000 | 2,000 | 3,000 | 2,000 | 1,000 |
| Male | 38,000 | 33,000 | 32,000 | 2,000 | 1,000 | 3,000 | 2,000 | 1,000 |
| Female | 3,000 | 3,000 | 2,000 | * | * | * | S | * |
| Industrial engineering | 4,000 | 4,000 | 4,000 | S | S | * | * | * |
| Male | 3,000 | 3,000 | 3,000 | S | S | * | S | S |
| Female | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Mechanical engineering | 17,000 | 15,000 | 15,000 | 1,000 | 1,000 | 2,000 | 1,000 | * |
| Male | 16,000 | 14,000 | 14,000 | 1,000 | 1,000 | 1,000 | 1,000 | S |
| Female | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Other engineering | 40,000 | 34,000 | 32,000 | 2,000 | 1,000 | 5,000 | 4,000 | 1,000 |
| Male | 36,000 | 31,000 | 28,000 | 2,000 | 1,000 | 4,000 | 4,000 | 1,000 |
| Female | 4,000 | 4,000 | 3,000 | * | * | * | S | * |
| S&E-related fields | 69,000 | 59,000 | 54,000 | 5,000 | 1,000 | 10,000 | 8,000 | 2,000 |
| Male | 39,000 | 31,000 | 29,000 | 2,000 | * | 7,000 | 7,000 | 1,000 |
| Female | 31,000 | 28,000 | 25,000 | 3,000 | * | 2,000 | 1,000 | 1,000 |
| Health | 46,000 | 41,000 | 37,000 | 4,000 | 1,000 | 5,000 | 4,000 | 1,000 |
| Male | 21,000 | 18,000 | 16,000 | 1,000 | * | 3,000 | 2,000 | * |
| Female | 25,000 | 23,000 | 21,000 | 2,000 | * | 2,000 | 1,000 | 1,000 |
| Science/mathematics teacher education | 12,000 | 9,000 | 8,000 | 1,000 | S | 4,000 | 4,000 | S |
| Male | 8,000 | 4,000 | 4,000 | S | S | 4,000 | 4,000 | S |
| Female | 4,000 | 4,000 | 4,000 | S | S | S | S | S |

TABLE 8. U.S. scientists and engineers, by level and field of highest degree, sex, and employment status: 2003

| Level and field of highest degree, and sex | All scientists and engineers | Employed | | | Unemployed/ seeking job | Not in labor force | | |
|---|---|---|---|---|---|---|---|---|
| | | Total | Full time | Part time | | Total | Retired | Not seeking job |
| Technology/technical fields | 4,000 | 3,000 | 3,000 | S | S | S | S | S |
| Male | 4,000 | 3,000 | 3,000 | S | S | S | S | S |
| Female | S | S | S | S | S | S | S | S |
| Other S&E-related fields | 7,000 | 7,000 | 6,000 | S | S | S | S | S |
| Male | 6,000 | 6,000 | 5,000 | S | S | S | S | S |
| Female | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Non-S&E degrees | 160,000 | 136,000 | 123,000 | 14,000 | 2,000 | 22,000 | 18,000 | 4,000 |
| Male | 97,000 | 84,000 | 78,000 | 6,000 | S | 12,000 | 11,000 | S |
| Female | 64,000 | 53,000 | 45,000 | 8,000 | 1,000 | 10,000 | 7,000 | 3,000 |
| Arts/humanities | 20,000 | 17,000 | 14,000 | 2,000 | S | 3,000 | 2,000 | S |
| Male | 12,000 | 10,000 | 9,000 | S | S | 2,000 | 2,000 | S |
| Female | 8,000 | 7,000 | 5,000 | 2,000 | S | S | S | S |
| Education, except science/mathematics teacher education | 76,000 | 64,000 | 58,000 | 6,000 | 1,000 | 11,000 | 10,000 | S |
| Male | 43,000 | 35,000 | 33,000 | 3,000 | S | 7,000 | 7,000 | S |
| Female | 33,000 | 29,000 | 25,000 | 3,000 | S | 4,000 | 3,000 | S |
| Management/administration | 17,000 | 14,000 | 13,000 | 1,000 | S | 3,000 | 3,000 | S |
| Male | 13,000 | 12,000 | 11,000 | S | S | S | S | S |
| Female | 3,000 | 2,000 | 1,000 | S | S | S | S | S |
| Sales/marketing | 2,000 | 2,000 | 2,000 | S | S | S | S | S |
| Male | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Female | 1,000 | 1,000 | 1,000 | S | S | S | S | S |
| Social services/related | 19,000 | 19,000 | 17,000 | 1,000 | S | S | S | S |
| Male | 14,000 | 14,000 | 13,000 | S | S | S | S | S |
| Female | 5,000 | 5,000 | 4,000 | S | S | S | S | S |
| Other non-S&E fields | 26,000 | 21,000 | 19,000 | 3,000 | S | 5,000 | 3,000 | S |
| Male | 13,000 | 12,000 | 10,000 | 2,000 | S | S | S | S |
| Female | 13,000 | 9,000 | 8,000 | S | S | 4,000 | S | S |

* = estimate < 500; S = suppressed for reliability or confidentiality.

S&E = science and engineering.

[a] Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See http://sestat.nsf.gov/docs/ed03maj.html for a detailed description of the educational field classification. Numbers are rounded to the nearest thousand. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2003.