

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|---|-------------|------------|-----------|-----------|--------------------------------|--------------------|-----------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| All degree levels¹ | | | | | | | | |
| All occupations, total² | 12,512,000 | 10,585,600 | 9,476,700 | 1,109,000 | 191,900 | 1,734,600 | 1,005,100 | 729,500 |
| <30 | 1,688,400 | 1,478,800 | 1,306,500 | 172,300 | 33,900 | 175,700 | 400 | 175,400 |
| 30-39 | 3,048,900 | 2,816,000 | 2,586,000 | 230,000 | 36,800 | 196,100 | 2,300 | 193,800 |
| 40-49 | 3,696,600 | 3,443,100 | 3,137,100 | 306,000 | 55,200 | 198,200 | 12,600 | 185,700 |
| 50-59 | 2,339,400 | 2,103,600 | 1,926,500 | 177,200 | 37,000 | 198,700 | 95,400 | 103,300 |
| 60+ | 1,738,800 | 744,100 | 520,600 | 223,500 | 28,800 | 965,800 | 894,400 | 71,400 |
| S&E occupations, total | 3,899,000 | 3,369,400 | 3,105,000 | 264,400 | 52,900 | 476,600 | 334,300 | 142,300 |
| <30 | 520,200 | 472,700 | 419,100 | 53,600 | 8,600 | 38,900 | 100 | 38,800 |
| 30-39 | 1,145,500 | 1,089,400 | 1,031,700 | 57,700 | 10,400 | 45,700 | 1,400 | 44,300 |
| 40-49 | 1,041,800 | 996,900 | 939,600 | 57,300 | 11,300 | 33,600 | 2,700 | 30,900 |
| 50-59 | 646,800 | 594,500 | 556,900 | 37,600 | 11,900 | 40,300 | 24,100 | 16,200 |
| 60+ | 544,700 | 215,900 | 157,700 | 58,200 | 10,700 | 318,100 | 306,000 | 12,100 |
| Scientists, total | 2,261,500 | 1,995,100 | 1,791,000 | 204,000 | 30,000 | 236,400 | 126,000 | 110,500 |
| <30 | 324,500 | 286,400 | 241,500 | 44,900 | 5,200 | 33,000 | S | 33,000 |
| 30-39 | 669,100 | 627,700 | 581,700 | 46,000 | 7,400 | 34,000 | 1,200 | 32,800 |
| 40-49 | 656,400 | 620,700 | 571,900 | 48,800 | 7,300 | 28,400 | 2,000 | 26,500 |
| 50-59 | 384,000 | 353,600 | 324,200 | 29,400 | 6,100 | 24,400 | 14,000 | 10,400 |
| 60+ | 227,400 | 106,700 | 71,700 | 35,000 | 4,100 | 116,600 | 108,800 | 7,800 |
| Computer/math scientists, total | 1,129,700 | 1,039,500 | 974,400 | 65,100 | 14,600 | 75,700 | 40,000 | 35,700 |
| <30 | 143,200 | 137,200 | 126,800 | 10,500 | 1,300 | 4,700 | S | 4,700 |
| 30-39 | 400,000 | 382,800 | 366,200 | 16,500 | 4,100 | 13,100 | 200 | 12,900 |
| 40-49 | 347,400 | 331,000 | 313,700 | 17,300 | 4,100 | 12,300 | 1,300 | 11,000 |
| 50-59 | 174,000 | 159,800 | 148,400 | 11,400 | 3,400 | 10,800 | 6,400 | 4,300 |
| 60+ | 65,100 | 28,600 | 19,200 | 9,400 | 1,700 | 34,800 | 32,100 | 2,700 |
| Life/related scientists, total .. | 387,300 | 321,800 | 292,700 | 29,000 | 7,400 | 58,100 | 26,700 | 31,400 |
| <30 | 65,800 | 46,700 | 40,400 | 6,300 | 2,600 | 16,500 | S | 16,500 |
| 30-39 | 98,900 | 88,800 | 81,100 | 7,700 | 1,700 | 8,400 | 400 | 7,900 |
| 40-49 | 108,200 | 103,600 | 96,800 | 6,800 | 900 | 3,700 | 300 | 3,500 |
| 50-59 | 67,100 | 59,900 | 56,900 | 3,000 | 1,300 | 5,900 | 3,400 | 2,500 |
| 60+ | 47,200 | 22,700 | 17,500 | 5,200 | 900 | 23,600 | 22,600 | 1,000 |
| Physical/related scientists, total | 343,500 | 284,900 | 259,500 | 25,300 | 4,600 | 54,100 | 37,000 | 17,200 |
| <30 | 49,700 | 44,500 | 36,900 | 7,600 | 500 | 4,700 | S | 4,700 |
| 30-39 | 89,300 | 83,800 | 78,600 | 5,200 | 800 | 4,700 | S | 4,700 |
| 40-49 | 87,200 | 81,300 | 77,500 | 3,800 | 1,900 | 4,000 | 300 | 3,800 |
| 50-59 | 56,700 | 51,300 | 49,100 | 2,200 | 700 | 4,700 | 3,000 | 1,800 |
| 60+ | 60,500 | 23,900 | 17,400 | 6,600 | 700 | 35,900 | 33,700 | 2,200 |
| Social/related scientists, total | 401,000 | 349,000 | 264,400 | 84,500 | 3,500 | 48,500 | 22,300 | 26,200 |
| <30 | 65,800 | 58,000 | 37,500 | 20,500 | 700 | 7,000 | S | 7,000 |
| 30-39 | 80,900 | 72,300 | 55,700 | 16,600 | 800 | 7,800 | 600 | 7,200 |
| 40-49 | 113,600 | 104,700 | 83,800 | 20,900 | 400 | 8,400 | 100 | 8,300 |
| 50-59 | 86,200 | 82,500 | 69,800 | 12,800 | 700 | 3,000 | 1,200 | 1,800 |
| 60+ | 54,500 | 31,400 | 17,600 | 13,900 | 800 | 22,300 | 20,400 | 1,900 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|--|-------------|-----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| All degree levels¹ — continued | | | | | | | | |
| Engineers, total | 1,637,500 | 1,374,400 | 1,314,000 | 60,400 | 22,900 | 240,200 | 208,400 | 31,800 |
| <30 | 195,700 | 186,300 | 177,600 | 8,700 | 3,500 | 5,900 | 100 | 5,800 |
| 30-39 | 476,400 | 461,600 | 450,000 | 11,700 | 3,000 | 11,700 | 200 | 11,500 |
| 40-49 | 385,300 | 376,200 | 367,700 | 8,500 | 4,000 | 5,100 | 700 | 4,400 |
| 50-59 | 262,800 | 240,900 | 232,700 | 8,200 | 5,900 | 16,000 | 10,100 | 5,800 |
| 60+ | 317,300 | 109,300 | 86,000 | 23,300 | 6,600 | 201,500 | 197,200 | 4,300 |
| Non-S&E occupations, total | 8,613,100 | 7,216,200 | 6,371,600 | 844,600 | 138,900 | 1,257,900 | 670,700 | 587,200 |
| <30 | 1,168,200 | 1,006,100 | 887,400 | 118,700 | 25,300 | 136,800 | 300 | 136,500 |
| 30-39 | 1,903,300 | 1,726,600 | 1,554,200 | 172,300 | 26,400 | 150,400 | 800 | 149,600 |
| 40-49 | 2,654,800 | 2,446,200 | 2,197,500 | 248,700 | 44,000 | 164,700 | 9,900 | 154,800 |
| 50-59 | 1,692,600 | 1,509,100 | 1,369,600 | 139,600 | 25,100 | 158,400 | 71,300 | 87,100 |
| 60+ | 1,194,100 | 528,200 | 362,900 | 165,300 | 18,200 | 647,700 | 588,400 | 59,300 |
| Managers/administrators | 2,321,300 | 2,019,900 | 1,941,100 | 78,800 | 29,100 | 272,300 | 212,000 | 60,300 |
| <30 | 136,800 | 128,600 | 125,300 | 3,300 | 2,300 | 5,900 | 200 | 5,700 |
| 30-39 | 473,800 | 451,500 | 436,300 | 15,200 | 4,200 | 18,100 | 200 | 17,800 |
| 40-49 | 796,300 | 757,500 | 735,700 | 21,700 | 11,700 | 27,100 | 2,800 | 24,400 |
| 50-59 | 566,800 | 525,900 | 513,900 | 12,100 | 7,200 | 33,700 | 25,600 | 8,100 |
| 60+ | 347,600 | 156,400 | 130,000 | 26,500 | 3,700 | 187,400 | 183,100 | 4,200 |
| Other non-S&E occupations .. | 6,291,800 | 5,196,300 | 4,430,500 | 765,700 | 109,800 | 985,700 | 458,800 | 526,900 |
| <30 | 1,031,400 | 877,500 | 762,100 | 115,400 | 23,000 | 130,900 | 100 | 130,800 |
| 30-39 | 1,429,600 | 1,275,100 | 1,118,000 | 157,100 | 22,200 | 132,300 | 600 | 131,700 |
| 40-49 | 1,858,500 | 1,688,700 | 1,461,800 | 227,000 | 32,200 | 137,500 | 7,100 | 130,400 |
| 50-59 | 1,125,800 | 983,200 | 855,700 | 127,500 | 18,000 | 124,600 | 45,700 | 79,000 |
| 60+ | 846,500 | 371,800 | 232,900 | 138,800 | 14,400 | 460,300 | 405,300 | 55,000 |
| Bachelor's | | | | | | | | |
| All occupations, total² | 7,456,800 | 6,193,700 | 5,545,400 | 648,300 | 123,600 | 1,139,500 | 604,800 | 534,700 |
| <30 | 1,420,300 | 1,233,800 | 1,086,600 | 147,200 | 29,200 | 157,300 | 400 | 157,000 |
| 30-39 | 1,907,700 | 1,744,700 | 1,609,700 | 135,000 | 24,200 | 138,800 | 1,600 | 137,200 |
| 40-49 | 2,048,900 | 1,882,400 | 1,714,700 | 167,700 | 35,500 | 131,100 | 7,300 | 123,700 |
| 50-59 | 1,112,800 | 974,700 | 887,000 | 87,700 | 19,200 | 118,900 | 51,500 | 67,400 |
| 60+ | 967,000 | 358,100 | 247,400 | 110,700 | 15,500 | 593,400 | 544,000 | 49,400 |
| S&E occupations, total | 2,252,100 | 1,916,800 | 1,794,800 | 122,000 | 31,800 | 303,500 | 214,100 | 89,400 |
| <30 | 412,300 | 375,100 | 335,700 | 39,400 | 6,100 | 31,100 | 100 | 31,000 |
| 30-39 | 689,500 | 657,900 | 632,900 | 25,100 | 5,200 | 26,400 | 900 | 25,500 |
| 40-49 | 548,800 | 523,000 | 502,500 | 20,400 | 7,700 | 18,200 | 1,900 | 16,300 |
| 50-59 | 294,500 | 263,500 | 252,200 | 11,300 | 6,000 | 25,000 | 15,400 | 9,600 |
| 60+ | 306,900 | 97,300 | 71,500 | 25,800 | 6,900 | 202,800 | 195,700 | 7,000 |
| Scientists, total | 1,135,500 | 1,000,200 | 915,400 | 84,800 | 16,700 | 118,600 | 52,300 | 66,300 |
| <30 | 252,900 | 222,600 | 189,900 | 32,700 | 3,300 | 27,000 | S | 27,000 |
| 30-39 | 371,400 | 349,100 | 329,700 | 19,400 | 4,100 | 18,300 | 700 | 17,600 |
| 40-49 | 302,400 | 283,000 | 266,100 | 16,800 | 4,800 | 14,700 | 1,400 | 13,300 |
| 50-59 | 133,900 | 117,900 | 111,700 | 6,200 | 3,000 | 13,100 | 8,200 | 4,900 |
| 60+ | 74,800 | 27,700 | 17,900 | 9,700 | 1,600 | 45,600 | 42,000 | 3,600 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|---|-------------|-----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| Bachelor's — continued | | | | | | | | |
| Computer/math scientists, total | 731,900 | 675,300 | 639,100 | 36,200 | 10,500 | 46,000 | 21,000 | 25,000 |
| <30 | 115,000 | 110,900 | 102,700 | 8,200 | 1,000 | 3,100 | S | 3,100 |
| 30-39 | 274,100 | 261,600 | 251,700 | 10,000 | 3,100 | 9,300 | 200 | 9,200 |
| 40-49 | 219,800 | 207,100 | 197,300 | 9,800 | 3,600 | 9,100 | 1,100 | 8,000 |
| 50-59 | 93,700 | 84,300 | 79,600 | 4,700 | 1,900 | 7,500 | 4,400 | 3,100 |
| 60+ | 29,300 | 11,300 | 7,900 | 3,500 | 900 | 17,100 | 15,400 | 1,700 |
| Life/related scientists, total .. | 158,100 | 125,200 | 111,400 | 13,800 | 3,100 | 29,900 | 8,700 | 21,200 |
| <30 | 54,500 | 38,300 | 33,300 | 5,100 | 1,400 | 14,800 | S | 14,800 |
| 30-39 | 39,200 | 33,800 | 30,500 | 3,300 | 500 | 4,900 | S | 4,900 |
| 40-49 | 34,700 | 33,700 | 30,700 | 3,000 | 100 | 800 | 200 | 600 |
| 50-59 | 17,200 | 13,800 | 13,600 | 200 | 800 | 2,500 | 2,200 | 300 |
| 60+ | 12,700 | 5,600 | 3,300 | 2,300 | 200 | 6,800 | 6,300 | 500 |
| Physical/related scientists, total | 163,300 | 131,700 | 118,200 | 13,500 | 2,400 | 29,200 | 18,800 | 10,400 |
| <30 | 40,800 | 36,500 | 30,300 | 6,100 | 400 | 4,000 | S | 4,000 |
| 30-39 | 42,600 | 39,700 | 37,200 | 2,500 | 500 | 2,300 | S | 2,300 |
| 40-49 | 35,900 | 32,400 | 30,900 | 1,400 | 1,100 | 2,500 | 100 | 2,400 |
| 50-59 | 17,800 | 15,100 | 14,500 | 600 | 300 | 2,400 | 1,600 | 800 |
| 60+ | 26,200 | 8,000 | 5,200 | 2,900 | 200 | 18,000 | 17,100 | 900 |
| Social/related scientists, total | 82,200 | 68,000 | 46,700 | 21,300 | 800 | 13,500 | 3,700 | 9,700 |
| <30 | 42,700 | 36,900 | 23,600 | 13,300 | 500 | 5,200 | S | 5,200 |
| 30-39 | 15,600 | 13,900 | 10,300 | 3,600 | S | 1,600 | 500 | 1,100 |
| 40-49 | 12,100 | 9,800 | 7,200 | 2,500 | S | 2,300 | S | 2,300 |
| 50-59 | 5,300 | 4,700 | 4,000 | 800 | S | 600 | S | 600 |
| 60+ | 6,600 | 2,700 | 1,600 | 1,100 | 300 | 3,700 | 3,200 | 400 |
| Engineers, total | 1,116,600 | 916,600 | 879,400 | 37,200 | 15,100 | 184,900 | 161,800 | 23,000 |
| <30 | 159,400 | 152,500 | 145,700 | 6,700 | 2,900 | 4,100 | 100 | 4,000 |
| 30-39 | 318,100 | 308,900 | 303,200 | 5,700 | 1,100 | 8,200 | 200 | 7,900 |
| 40-49 | 246,400 | 240,000 | 236,400 | 3,600 | 2,900 | 3,500 | 600 | 3,000 |
| 50-59 | 160,600 | 145,700 | 140,500 | 5,100 | 3,000 | 11,900 | 7,200 | 4,700 |
| 60+ | 232,100 | 69,600 | 53,600 | 16,100 | 5,300 | 157,200 | 153,700 | 3,400 |
| Non-S&E occupations, total | 5,204,700 | 4,276,900 | 3,750,600 | 526,300 | 91,800 | 836,000 | 390,700 | 445,300 |
| <30 | 1,008,000 | 858,700 | 751,000 | 107,700 | 23,100 | 126,200 | 300 | 125,900 |
| 30-39 | 1,218,200 | 1,086,800 | 976,800 | 110,000 | 19,000 | 112,400 | 700 | 111,700 |
| 40-49 | 1,500,100 | 1,359,400 | 1,212,200 | 147,300 | 27,800 | 112,900 | 5,400 | 107,500 |
| 50-59 | 818,300 | 711,200 | 634,800 | 76,400 | 13,200 | 93,900 | 36,100 | 57,800 |
| 60+ | 660,000 | 260,800 | 175,800 | 85,000 | 8,600 | 390,700 | 348,300 | 42,400 |
| Managers/administrators | 1,319,600 | 1,141,100 | 1,095,300 | 45,800 | 14,200 | 164,300 | 129,800 | 34,500 |
| <30 | 116,000 | 108,800 | 106,000 | 2,800 | 1,900 | 5,300 | 200 | 5,100 |
| 30-39 | 300,500 | 286,700 | 276,700 | 10,000 | 2,800 | 11,000 | 200 | 10,900 |
| 40-49 | 446,400 | 424,600 | 412,100 | 12,500 | 6,600 | 15,200 | 700 | 14,500 |
| 50-59 | 256,800 | 239,100 | 233,000 | 6,200 | 1,300 | 16,400 | 13,600 | 2,800 |
| 60+ | 199,800 | 81,900 | 67,500 | 14,400 | 1,500 | 116,400 | 115,200 | 1,200 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|---|-------------|-----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| Bachelor's — continued | | | | | | | | |
| Other non-S&E occupations .. | 3,885,100 | 3,135,800 | 2,655,300 | 480,600 | 77,600 | 671,700 | 260,900 | 410,800 |
| <30 | 892,000 | 749,900 | 644,900 | 105,000 | 21,200 | 120,900 | 100 | 120,900 |
| 30-39 | 917,700 | 800,200 | 700,100 | 100,000 | 16,200 | 101,300 | 500 | 100,800 |
| 40-49 | 1,053,700 | 934,800 | 800,000 | 134,800 | 21,200 | 97,600 | 4,700 | 92,900 |
| 50-59 | 561,500 | 472,100 | 401,800 | 70,200 | 12,000 | 77,500 | 22,500 | 55,000 |
| 60+ | 460,200 | 178,900 | 108,300 | 70,500 | 7,100 | 274,300 | 233,100 | 41,200 |
| Master's | | | | | | | | |
| All occupations, total² | 3,311,300 | 2,819,800 | 2,503,300 | 316,500 | 52,200 | 439,300 | 289,600 | 149,700 |
| <30 | 204,800 | 186,100 | 163,000 | 23,200 | 3,000 | 15,600 | S | 15,600 |
| 30-39 | 739,900 | 686,800 | 621,700 | 65,100 | 8,900 | 44,200 | 700 | 43,500 |
| 40-49 | 1,052,400 | 983,800 | 890,000 | 93,800 | 16,100 | 52,500 | 3,600 | 48,900 |
| 50-59 | 817,100 | 739,200 | 678,500 | 60,700 | 14,700 | 63,300 | 37,200 | 26,100 |
| 60+ | 497,100 | 223,900 | 150,200 | 73,700 | 9,500 | 263,700 | 248,100 | 15,700 |
| S&E occupations, total | 1,100,000 | 967,900 | 863,800 | 104,100 | 14,000 | 118,200 | 76,300 | 41,900 |
| <30 | 97,600 | 89,100 | 75,400 | 13,700 | 1,400 | 7,100 | S | 7,100 |
| 30-39 | 326,900 | 306,700 | 280,200 | 26,600 | 3,900 | 16,300 | 500 | 15,700 |
| 40-49 | 327,600 | 313,900 | 288,000 | 26,000 | 2,100 | 11,600 | 600 | 11,000 |
| 50-59 | 210,100 | 194,700 | 177,700 | 17,000 | 4,300 | 11,100 | 6,600 | 4,500 |
| 60+ | 137,800 | 63,400 | 42,500 | 20,900 | 2,400 | 72,000 | 68,600 | 3,500 |
| Scientists, total | 671,100 | 592,000 | 507,400 | 84,600 | 7,200 | 71,900 | 37,700 | 34,200 |
| <30 | 63,500 | 57,400 | 45,700 | 11,700 | 800 | 5,300 | S | 5,300 |
| 30-39 | 194,300 | 179,100 | 157,900 | 21,200 | 2,200 | 13,000 | 500 | 12,400 |
| 40-49 | 212,600 | 201,100 | 179,500 | 21,600 | 1,200 | 10,400 | 400 | 9,900 |
| 50-59 | 129,800 | 120,600 | 106,200 | 14,400 | 1,700 | 7,500 | 3,900 | 3,700 |
| 60+ | 70,800 | 33,900 | 18,100 | 15,700 | 1,300 | 35,700 | 32,900 | 2,800 |
| Computer/math scientists, total | 328,500 | 301,600 | 277,400 | 24,200 | 3,100 | 23,800 | 14,600 | 9,200 |
| <30 | 26,600 | 25,100 | 22,900 | 2,200 | 100 | 1,400 | S | 1,400 |
| 30-39 | 108,400 | 104,200 | 98,200 | 6,000 | 900 | 3,300 | S | 3,300 |
| 40-49 | 106,900 | 103,700 | 97,700 | 6,000 | 300 | 2,900 | 200 | 2,700 |
| 50-59 | 60,800 | 57,000 | 51,900 | 5,100 | 1,000 | 2,800 | 1,900 | 900 |
| 60+ | 25,700 | 11,600 | 6,700 | 4,800 | 700 | 13,500 | 12,500 | 900 |
| Life/related scientists, total .. | 83,800 | 70,300 | 61,700 | 8,500 | 1,200 | 12,400 | 5,700 | 6,600 |
| <30 | 8,400 | 6,500 | 5,300 | 1,200 | 300 | 1,500 | S | 1,500 |
| 30-39 | 24,400 | 21,400 | 18,200 | 3,200 | 600 | 2,400 | 400 | 2,000 |
| 40-49 | 26,900 | 25,000 | 23,200 | 1,800 | 300 | 1,600 | S | 1,600 |
| 50-59 | 16,400 | 14,500 | 13,300 | 1,200 | S | 1,900 | 500 | 1,400 |
| 60+ | 7,700 | 2,900 | 1,800 | 1,100 | S | 4,900 | 4,800 | 100 |
| Physical/related scientists, total | 83,300 | 69,100 | 61,800 | 7,300 | 1,000 | 13,100 | 8,200 | 4,900 |
| <30 | 7,200 | 6,400 | 5,100 | 1,300 | 100 | 600 | S | 600 |
| 30-39 | 22,400 | 20,600 | 18,700 | 1,900 | 100 | 1,700 | S | 1,700 |
| 40-49 | 25,700 | 24,200 | 22,500 | 1,800 | 400 | 1,100 | 100 | 900 |
| 50-59 | 15,100 | 13,500 | 12,500 | 1,000 | 200 | 1,400 | 800 | 600 |
| 60+ | 13,000 | 4,400 | 2,900 | 1,500 | 200 | 8,400 | 7,300 | 1,100 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|--|-------------|-----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| Master's — continued | | | | | | | | |
| Social/related scientists, total | 175,600 | 151,100 | 106,500 | 44,600 | 2,000 | 22,600 | 9,200 | 13,400 |
| <30 | 21,400 | 19,300 | 12,300 | 7,000 | 300 | 1,800 | S | 1,800 |
| 30-39 | 39,200 | 33,000 | 22,800 | 10,100 | 600 | 5,600 | 100 | 5,500 |
| 40-49 | 53,200 | 48,200 | 36,100 | 12,000 | 200 | 4,800 | 100 | 4,700 |
| 50-59 | 37,500 | 35,600 | 28,500 | 7,100 | 500 | 1,400 | 700 | 700 |
| 60+ | 24,400 | 15,000 | 6,700 | 8,300 | 300 | 9,100 | 8,300 | 800 |
| Engineers, total | 428,900 | 375,900 | 356,300 | 19,500 | 6,800 | 46,300 | 38,500 | 7,700 |
| <30 | 34,100 | 31,700 | 29,700 | 2,000 | 500 | 1,800 | S | 1,800 |
| 30-39 | 132,600 | 127,700 | 122,200 | 5,400 | 1,600 | 3,300 | S | 3,300 |
| 40-49 | 115,000 | 112,800 | 108,400 | 4,400 | 900 | 1,300 | 100 | 1,100 |
| 50-59 | 80,300 | 74,100 | 71,500 | 2,500 | 2,600 | 3,600 | 2,700 | 900 |
| 60+ | 67,000 | 29,600 | 24,400 | 5,200 | 1,100 | 36,300 | 35,700 | 600 |
| Non-S&E occupations, total | 2,211,300 | 1,851,900 | 1,639,600 | 212,400 | 38,100 | 321,200 | 213,400 | 107,800 |
| <30 | 107,200 | 97,000 | 87,600 | 9,500 | 1,700 | 8,500 | S | 8,500 |
| 30-39 | 413,000 | 380,100 | 341,600 | 38,500 | 5,000 | 28,000 | 200 | 27,800 |
| 40-49 | 724,700 | 669,900 | 602,000 | 67,900 | 14,000 | 40,900 | 3,100 | 37,800 |
| 50-59 | 607,000 | 544,500 | 500,800 | 43,700 | 10,400 | 52,100 | 30,600 | 21,500 |
| 60+ | 359,300 | 160,500 | 107,700 | 52,800 | 7,100 | 191,700 | 179,500 | 12,200 |
| Managers/administrators | 826,600 | 724,800 | 698,500 | 26,300 | 13,300 | 88,400 | 65,700 | 22,800 |
| <30 | 19,700 | 18,700 | 18,100 | 500 | 400 | 700 | S | 700 |
| 30-39 | 156,000 | 148,000 | 143,500 | 4,500 | 1,300 | 6,800 | 100 | 6,700 |
| 40-49 | 290,000 | 274,700 | 266,100 | 8,600 | 4,700 | 10,600 | 1,500 | 9,100 |
| 50-59 | 248,100 | 227,500 | 223,400 | 4,000 | 5,200 | 15,500 | 11,000 | 4,500 |
| 60+ | 112,700 | 56,000 | 47,400 | 8,700 | 1,800 | 54,900 | 53,100 | 1,900 |
| Other non-S&E occupations .. | 1,384,700 | 1,127,100 | 941,000 | 186,100 | 24,800 | 232,700 | 147,700 | 85,000 |
| <30 | 87,500 | 78,400 | 69,400 | 8,900 | 1,300 | 7,800 | S | 7,800 |
| 30-39 | 257,000 | 232,100 | 198,100 | 34,100 | 3,700 | 21,200 | 100 | 21,100 |
| 40-49 | 434,700 | 395,100 | 335,900 | 59,300 | 9,300 | 30,300 | 1,500 | 28,800 |
| 50-59 | 358,900 | 317,000 | 277,400 | 39,700 | 5,200 | 36,700 | 19,600 | 17,000 |
| 60+ | 246,600 | 104,400 | 60,300 | 44,100 | 5,400 | 136,800 | 126,500 | 10,300 |
| Doctorate | | | | | | | | |
| All occupations, total ² | 789,700 | 696,000 | 637,400 | 58,700 | 9,700 | 83,900 | 67,700 | 16,200 |
| <30 | 10,500 | 9,000 | 8,100 | 900 | 1,000 | 500 | S | 500 |
| 30-39 | 157,300 | 152,000 | 143,700 | 8,300 | 1,700 | 3,600 | S | 3,600 |
| 40-49 | 228,200 | 219,800 | 205,600 | 14,300 | 2,400 | 6,000 | 300 | 5,700 |
| 50-59 | 236,800 | 226,600 | 210,400 | 16,200 | 2,800 | 7,500 | 3,600 | 3,900 |
| 60+ | 156,900 | 88,700 | 69,600 | 19,100 | 1,900 | 66,400 | 63,800 | 2,500 |
| S&E occupations, total | 511,900 | 454,700 | 418,900 | 35,800 | 6,300 | 50,900 | 41,300 | 9,600 |
| <30 | 9,300 | 8,000 | 7,500 | 500 | 1,000 | 400 | S | 400 |
| 30-39 | 122,600 | 118,500 | 112,700 | 5,800 | 1,300 | 2,800 | S | 2,800 |
| 40-49 | 151,700 | 147,000 | 137,200 | 9,800 | 1,500 | 3,200 | 200 | 3,000 |
| 50-59 | 135,900 | 130,000 | 121,300 | 8,700 | 1,700 | 4,200 | 2,100 | 2,100 |
| 60+ | 92,400 | 51,100 | 40,200 | 10,900 | 900 | 40,400 | 39,000 | 1,300 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|---|-------------|----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| Doctorate — continued | | | | | | | | |
| Scientists, total | 422,700 | 375,300 | 342,800 | 32,400 | 5,300 | 42,100 | 33,500 | 8,600 |
| <30 | 7,200 | 6,000 | 5,500 | 500 | 900 | 400 | S | 400 |
| 30-39 | 97,500 | 94,100 | 88,800 | 5,300 | 1,000 | 2,500 | S | 2,500 |
| 40-49 | 128,900 | 124,600 | 115,300 | 9,300 | 1,300 | 3,000 | 200 | 2,800 |
| 50-59 | 114,200 | 109,100 | 100,900 | 8,200 | 1,400 | 3,800 | 1,900 | 1,900 |
| 60+ | 74,800 | 41,500 | 32,300 | 9,200 | 700 | 32,500 | 31,400 | 1,100 |
| Computer/math scientists, total | 64,800 | 59,000 | 54,500 | 4,500 | 1,000 | 4,900 | 3,900 | 1,000 |
| <30 | 1,600 | 1,100 | 1,100 | S | 200 | 300 | S | 300 |
| 30-39 | 15,300 | 15,100 | 14,500 | 500 | 100 | 100 | S | 100 |
| 40-49 | 19,200 | 18,800 | 17,500 | 1,300 | 200 | 200 | S | 200 |
| 50-59 | 19,200 | 18,300 | 16,700 | 1,600 | 400 | 500 | 200 | 300 |
| 60+ | 9,500 | 5,700 | 4,600 | 1,100 | 100 | 3,800 | 3,700 | 100 |
| Life/related scientists, total .. | 128,400 | 111,800 | 105,500 | 6,300 | 2,400 | 14,200 | 10,900 | 3,200 |
| <30 | 2,300 | 1,500 | 1,500 | S | 700 | S | S | S |
| 30-39 | 33,000 | 31,400 | 30,200 | 1,200 | 500 | 1,000 | S | 1,000 |
| 40-49 | 41,000 | 39,300 | 37,300 | 2,000 | 500 | 1,200 | 100 | 1,100 |
| 50-59 | 30,400 | 28,400 | 27,000 | 1,400 | 500 | 1,500 | 700 | 800 |
| 60+ | 21,800 | 11,200 | 9,600 | 1,600 | 200 | 10,400 | 10,100 | 300 |
| Physical/related scientists, total | 96,100 | 83,700 | 79,200 | 4,500 | 1,200 | 11,200 | 9,500 | 1,700 |
| <30 | 1,700 | 1,600 | 1,400 | 200 | S | S | S | S |
| 30-39 | 24,200 | 23,300 | 22,500 | 800 | 200 | 700 | S | 700 |
| 40-49 | 25,600 | 24,700 | 24,100 | 600 | 400 | 500 | S | 500 |
| 50-59 | 23,800 | 22,700 | 22,000 | 700 | 300 | 900 | 600 | 300 |
| 60+ | 20,800 | 11,400 | 9,200 | 2,200 | 300 | 9,100 | 8,900 | 200 |
| Social/related scientists, total | 133,300 | 120,800 | 103,600 | 17,200 | 800 | 11,800 | 9,200 | 2,600 |
| <30 | 1,700 | 1,700 | 1,600 | 200 | S | S | S | S |
| 30-39 | 25,000 | 24,300 | 21,500 | 2,800 | 100 | 600 | S | 600 |
| 40-49 | 43,000 | 41,800 | 36,400 | 5,400 | 200 | 1,000 | S | 1,000 |
| 50-59 | 40,800 | 39,700 | 35,200 | 4,500 | 200 | 900 | 500 | 400 |
| 60+ | 22,700 | 13,300 | 9,000 | 4,300 | 200 | 9,300 | 8,700 | 600 |
| Engineers, total | 89,200 | 79,400 | 76,100 | 3,300 | 1,000 | 8,800 | 7,800 | 900 |
| <30 | 2,100 | 2,000 | 2,000 | S | S | S | S | S |
| 30-39 | 25,100 | 24,500 | 23,900 | 500 | 300 | 300 | S | 300 |
| 40-49 | 22,800 | 22,400 | 21,900 | 500 | 200 | 200 | S | 200 |
| 50-59 | 21,600 | 20,900 | 20,400 | 500 | 300 | 400 | 200 | 200 |
| 60+ | 17,600 | 9,600 | 7,900 | 1,700 | 100 | 7,800 | 7,600 | 200 |
| Non-S&E occupations, total | 277,800 | 241,300 | 218,400 | 22,900 | 3,400 | 33,100 | 26,400 | 6,700 |
| <30 | 1,100 | 1,000 | 600 | 400 | S | 100 | S | 100 |
| 30-39 | 34,700 | 33,400 | 31,000 | 2,400 | 400 | 800 | S | 800 |
| 40-49 | 76,600 | 72,800 | 68,400 | 4,400 | 900 | 2,900 | 100 | 2,800 |
| 50-59 | 100,900 | 96,500 | 89,100 | 7,500 | 1,100 | 3,300 | 1,500 | 1,800 |
| 60+ | 64,500 | 37,500 | 29,400 | 8,100 | 1,000 | 26,000 | 24,800 | 1,200 |

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

Table D-5. U.S. scientists and engineers, by highest degree attained, broad occupation, age, and employment status: 1997

| Highest degree, occupation, and age | S&Es, total | Employed | | | Unemploy- ed/seeking job | Not in labor force | | |
|---|-------------|----------|-----------|-----------|--------------------------------|--------------------|---------|--------------------|
| | | Total | Full-time | Part-time | | Total | Retired | Not seeking job |
| Doctorate — continued | | | | | | | | |
| Managers/administrators | 115,300 | 102,400 | 98,300 | 4,100 | 1,200 | 11,700 | 10,600 | 1,100 |
| <30 | 200 | 200 | 200 | S | S | S | S | S |
| 30-39 | 9,500 | 9,400 | 9,000 | 400 | S | 100 | S | 100 |
| 40-49 | 33,700 | 33,200 | 32,500 | 700 | 300 | 300 | 100 | 200 |
| 50-59 | 48,500 | 47,100 | 45,300 | 1,800 | 400 | 900 | 600 | 300 |
| 60+ | 23,400 | 12,500 | 11,200 | 1,300 | 400 | 10,400 | 9,900 | 500 |
| Other non-S&E occupations .. | 162,500 | 138,900 | 120,200 | 18,800 | 2,200 | 21,300 | 15,800 | 5,600 |
| <30 | 900 | 800 | 400 | 400 | S | 100 | S | 100 |
| 30-39 | 25,200 | 24,000 | 22,000 | 2,100 | 400 | 800 | S | 800 |
| 40-49 | 42,800 | 39,600 | 35,900 | 3,800 | 600 | 2,600 | S | 2,600 |
| 50-59 | 52,500 | 49,400 | 43,800 | 5,600 | 700 | 2,400 | 900 | 1,500 |
| 60+ | 41,100 | 25,000 | 18,200 | 6,900 | 500 | 15,600 | 14,900 | 700 |

- 1 Includes professional degrees
- 2 Total excludes 18,700 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

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 or 1997 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 Studies Division, 1997 SESTAT (Scientists and Engineers Statistical Data System)