

TABLE D-11. Primary source of support for full-time S&E graduate students, by sex and field: 2001

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | Self-support | |
|-------------------------------|-------------|-----------------|-------|-------|--------|--------|-------|-------|--------|-------|-----------------------|-----------------------|---------------|---------|--------------|--------|
| | | Total | DOD | DOE | HHS | | | | | | Institutional support | Total | United States | Foreign | | |
| | | | | | Total | NIH | Other | NASA | NSF | USDA | | | | | | Other |
| Both sexes | | | | | | | | | | | | | | | | |
| S&E | 304,476 | 60,088 | 7,676 | 3,100 | 17,976 | 16,446 | 1,530 | 2,789 | 15,319 | 2,705 | 10,523 | 129,742 | 25,884 | 22,336 | 3,548 | 88,762 |
| Sciences | 226,904 | 43,049 | 3,258 | 1,808 | 16,700 | 15,325 | 1,375 | 1,439 | 9,892 | 2,445 | 7,507 | 101,889 | 14,820 | 12,360 | 2,460 | 67,146 |
| Agricultural | 9,202 | 1,945 | 47 | 29 | 40 | 29 | 11 | 63 | 128 | 1,061 | 577 | 3,949 | 1,529 | 1,346 | 183 | 1,779 |
| Biological | 48,351 | 16,709 | 352 | 165 | 12,265 | 11,591 | 674 | 77 | 1,636 | 841 | 1,373 | 21,288 | 3,653 | 3,283 | 370 | 6,701 |
| Computer | 30,098 | 4,240 | 1,259 | 120 | 173 | 101 | 72 | 166 | 1,869 | 25 | 628 | 8,973 | 1,927 | 1,606 | 321 | 14,958 |
| Earth, atmospheric, and ocean | 10,504 | 2,916 | 257 | 137 | 60 | 37 | 23 | 456 | 1,127 | 65 | 814 | 4,673 | 901 | 716 | 185 | 2,014 |
| Mathematical | 12,498 | 1,388 | 212 | 40 | 108 | 89 | 19 | 23 | 763 | 20 | 222 | 8,594 | 506 | 297 | 209 | 2,010 |
| Physical | 27,129 | 9,284 | 855 | 1,256 | 2,088 | 1,833 | 255 | 502 | 3,344 | 42 | 1,197 | 14,456 | 1,974 | 1,847 | 127 | 1,415 |
| Psychology | 34,533 | 3,230 | 147 | 1 | 1,592 | 1,368 | 224 | 27 | 283 | 13 | 1,167 | 13,133 | 1,243 | 1,178 | 65 | 16,927 |
| Social | 54,589 | 3,337 | 129 | 60 | 374 | 277 | 97 | 125 | 742 | 378 | 1,529 | 26,823 | 3,087 | 2,087 | 1,000 | 21,342 |
| Engineering | 77,572 | 17,039 | 4,418 | 1,292 | 1,276 | 1,121 | 155 | 1,350 | 5,427 | 260 | 3,016 | 27,853 | 11,064 | 9,976 | 1,088 | 21,616 |
| Aerospace | 2,855 | 1,004 | 411 | 34 | 5 | 5 | 0 | 367 | 106 | 0 | 81 | 875 | 361 | 317 | 44 | 615 |
| Chemical | 5,829 | 1,681 | 140 | 257 | 179 | 136 | 43 | 108 | 710 | 35 | 252 | 2,252 | 1,095 | 984 | 111 | 801 |
| Civil | 12,099 | 1,923 | 178 | 82 | 27 | 26 | 1 | 79 | 595 | 38 | 924 | 4,968 | 1,511 | 1,335 | 176 | 3,697 |
| Electrical | 25,112 | 4,949 | 1,974 | 138 | 146 | 106 | 40 | 328 | 1,632 | 13 | 718 | 7,991 | 3,419 | 3,171 | 248 | 8,753 |
| Industrial | 6,534 | 803 | 241 | 46 | 40 | 29 | 11 | 29 | 276 | 8 | 163 | 2,429 | 746 | 605 | 141 | 2,556 |
| Mechanical | 11,436 | 2,761 | 689 | 214 | 159 | 147 | 12 | 280 | 1,002 | 11 | 406 | 4,498 | 1,711 | 1,564 | 147 | 2,466 |
| Metallurgical and materials | 3,977 | 1,477 | 353 | 222 | 29 | 23 | 6 | 66 | 620 | 5 | 182 | 1,244 | 823 | 773 | 50 | 433 |
| Other | 9,730 | 2,441 | 432 | 299 | 691 | 649 | 42 | 93 | 486 | 150 | 290 | 3,596 | 1,398 | 1,227 | 171 | 2,295 |
| Female | | | | | | | | | | | | | | | | |
| S&E | 124,347 | 21,324 | 1,368 | 672 | 8,725 | 7,997 | 728 | 722 | 4,571 | 1,215 | 4,051 | 54,172 | 8,124 | 7,173 | 951 | 40,727 |
| Sciences | 16,191 | 3,363 | 609 | 217 | 368 | 323 | 45 | 250 | 1,213 | 67 | 639 | 6,090 | 2,190 | 2,023 | 167 | 4,548 |
| Agricultural | 1,429 | 173 | 35 | 9 | 12 | 10 | 2 | 9 | 76 | 0 | 32 | 529 | 161 | 136 | 25 | 566 |
| Biological | 1,438 | 385 | 73 | 29 | 30 | 25 | 5 | 50 | 146 | 1 | 56 | 626 | 190 | 179 | 11 | 237 |
| Computer | 4,341 | 751 | 274 | 13 | 33 | 21 | 12 | 46 | 280 | 4 | 101 | 1,399 | 523 | 492 | 31 | 1,668 |
| Earth, atmospheric, and ocean | 1,540 | 476 | 28 | 60 | 56 | 44 | 12 | 37 | 231 | 8 | 56 | 584 | 268 | 245 | 23 | 212 |
| Mathematical | 3,419 | 527 | 41 | 15 | 10 | 9 | 1 | 17 | 167 | 11 | 266 | 1,473 | 411 | 374 | 37 | 1,008 |
| Physical | 386 | 112 | 33 | 4 | 1 | 1 | 0 | 51 | 15 | 0 | 8 | 135 | 55 | 52 | 3 | 84 |
| Psychology | 989 | 331 | 67 | 42 | 13 | 11 | 2 | 23 | 147 | 1 | 38 | 342 | 204 | 195 | 9 | 112 |
| Social | 2,649 | 608 | 58 | 45 | 213 | 202 | 11 | 17 | 151 | 42 | 82 | 1,002 | 378 | 350 | 28 | 661 |
| Engineering | 108,156 | 17,961 | 759 | 455 | 8,357 | 7,674 | 683 | 472 | 3,358 | 1,148 | 3,412 | 48,082 | 5,934 | 5,150 | 784 | 36,179 |
| Aerospace | 8,082 | 2,520 | 174 | 255 | 728 | 642 | 86 | 122 | 909 | 12 | 320 | 4,591 | 526 | 504 | 22 | 445 |
| Chemical | 4,568 | 1,214 | 73 | 55 | 27 | 14 | 13 | 196 | 480 | 22 | 361 | 2,112 | 319 | 264 | 55 | 923 |
| Civil | 4,388 | 383 | 17 | 13 | 50 | 39 | 11 | 4 | 197 | 4 | 98 | 3,016 | 167 | 102 | 65 | 822 |
| Electrical | 8,321 | 801 | 186 | 24 | 34 | 23 | 11 | 40 | 381 | 7 | 129 | 2,326 | 393 | 335 | 58 | 4,801 |

TABLE D-11. Primary source of support for full-time S&E graduate students, by sex and field: 2001

| Sex and field | All sources | Federal support | | | | | | | | | | Other outside support | | | Self-support | |
|-------------------------------|-------------|-----------------|-------|-------|-------|-------|-------|-------|--------|-------|-----------------------|-----------------------|--------|---------|--------------|--------|
| | | Total | DOD | DOE | HHS | | | | | | Institutional support | United States | | Foreign | | |
| | | | | | Total | NIH | Other | NASA | NSF | USDA | | Other | Total | | | States |
| Industrial | 4,120 | 846 | 19 | 11 | 18 | 14 | 4 | 23 | 65 | 463 | 247 | 1,866 | 579 | 530 | 49 | 829 |
| Mechanical | 25,489 | 8,386 | 180 | 61 | 6,184 | 5,856 | 328 | 26 | 800 | 452 | 683 | 11,381 | 1,745 | 1,587 | 158 | 3,977 |
| Metallurgical and materials | 25,212 | 2,151 | 77 | 0 | 1,078 | 910 | 168 | 15 | 174 | 12 | 795 | 9,290 | 847 | 801 | 46 | 12,924 |
| Other | 27,976 | 1,660 | 33 | 36 | 238 | 176 | 62 | 46 | 352 | 176 | 779 | 13,500 | 1,358 | 1,027 | 331 | 11,458 |
| Male | | | | | | | | | | | | | | | | |
| S&E | 180,129 | 38,764 | 6,308 | 2,428 | 9,251 | 8,449 | 802 | 2,067 | 10,748 | 1,490 | 6,472 | 75,570 | 17,760 | 15,163 | 2,597 | 48,035 |
| Sciences | 118,748 | 25,088 | 2,499 | 1,353 | 8,343 | 7,651 | 692 | 967 | 6,534 | 1,297 | 4,095 | 53,807 | 8,886 | 7,210 | 1,676 | 30,967 |
| Agricultural | 5,082 | 1,099 | 28 | 18 | 22 | 15 | 7 | 40 | 63 | 598 | 330 | 2,083 | 950 | 816 | 134 | 950 |
| Biological | 22,862 | 8,323 | 172 | 104 | 6,081 | 5,735 | 346 | 51 | 836 | 389 | 690 | 9,907 | 1,908 | 1,696 | 212 | 2,724 |
| Computer | 21,777 | 3,439 | 1,073 | 96 | 139 | 78 | 61 | 126 | 1,488 | 18 | 499 | 6,647 | 1,534 | 1,271 | 263 | 10,157 |
| Earth, atmospheric, and ocean | 5,936 | 1,702 | 184 | 82 | 33 | 23 | 10 | 260 | 647 | 43 | 453 | 2,561 | 582 | 452 | 130 | 1,091 |
| Mathematical | 8,110 | 1,005 | 195 | 27 | 58 | 50 | 8 | 19 | 566 | 16 | 124 | 5,578 | 339 | 195 | 144 | 1,188 |
| Physical | 19,047 | 6,764 | 681 | 1,001 | 1,360 | 1,191 | 169 | 380 | 2,435 | 30 | 877 | 9,865 | 1,448 | 1,343 | 105 | 970 |
| Psychology | 9,321 | 1,079 | 70 | 1 | 514 | 458 | 56 | 12 | 109 | 1 | 372 | 3,843 | 396 | 377 | 19 | 4,003 |
| Social | 26,613 | 1,677 | 96 | 24 | 136 | 101 | 35 | 79 | 390 | 202 | 750 | 13,323 | 1,729 | 1,060 | 669 | 9,884 |
| Engineering | 61,381 | 13,676 | 3,809 | 1,075 | 908 | 798 | 110 | 1,100 | 4,214 | 193 | 2,377 | 21,763 | 8,874 | 7,953 | 921 | 17,068 |
| Aerospace | 2,469 | 892 | 378 | 30 | 4 | 4 | 0 | 316 | 91 | 0 | 73 | 740 | 306 | 265 | 41 | 531 |
| Chemical | 4,289 | 1,205 | 112 | 197 | 123 | 92 | 31 | 71 | 479 | 27 | 196 | 1,668 | 827 | 739 | 88 | 589 |
| Civil | 8,680 | 1,396 | 137 | 67 | 17 | 17 | 0 | 62 | 428 | 27 | 658 | 3,495 | 1,100 | 961 | 139 | 2,689 |
| Electrical | 20,771 | 4,198 | 1,700 | 125 | 113 | 85 | 28 | 282 | 1,352 | 9 | 617 | 6,592 | 2,896 | 2,679 | 217 | 7,085 |
| Industrial | 5,105 | 630 | 206 | 37 | 28 | 19 | 9 | 20 | 200 | 8 | 131 | 1,900 | 585 | 469 | 116 | 1,990 |
| Mechanical | 9,998 | 2,376 | 616 | 185 | 129 | 122 | 7 | 230 | 856 | 10 | 350 | 3,872 | 1,521 | 1,385 | 136 | 2,229 |
| Metallurgical and materials | 2,988 | 1,146 | 286 | 180 | 16 | 12 | 4 | 43 | 473 | 4 | 144 | 902 | 619 | 578 | 41 | 321 |
| Other | 7,081 | 1,833 | 374 | 254 | 478 | 447 | 31 | 76 | 335 | 108 | 208 | 2,594 | 1,020 | 877 | 143 | 1,634 |

DOD Department of Defense; DOE Department of Energy; HHS Department of Health and Human Services; NASA National Aeronautics and Space Administration; NIH National Institutes of Health

NSF National Science Foundation; USDA U.S. Department of Agriculture

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2001.