## Table 1A. Federal obligations to universities and colleges for total research, by detailed field of science & engineering: All agencies, fiscal years 1973-2003

[Dollars in thousands]



| Field of science & engineering | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|---|---|---|---|---|---|---|---|---|
| Total, all fields | 1,591,406 | 1,856,975 | 1,971,919 | 2,154,078 | 2,453,345 | 2,771,683 | 3,116,995 | 3,463,608 |
| Life sciences, total | 871,768 | 1,102,832 | 1,151,802 | 1,247,204 | 1,399,945 | 1,605,247 | 1,796,036 | 1,984,684 |
| Biol & agricultural, total | 491,509 | 640,260 | 673,061 | 727,323 | 811,910 | 944,394 | 1,096,055 | 1,197,367 |
| Biol (excl environmental) | NA | NA | NA | NA | NA | 811,129 | 946,771 | 1,036,988 |
| Environmental biology | NA | NA | NA | NA | NA | 28,791 | 39,437 | 39,462 |
| Agricultural | NA | NA | NA | NA | NA | 104,474 | 109,847 | 120,917 |
| Medical sciences, total | 348,592 | 432,629 | 446,929 | 479,200 | 538,443 | 601,340 | 622,537 | 709,688 |
| Clinical medical | 218,694 | 249,518 | 253,697 | 276,546 | 305,861 | NA | NA | NA |
| Other medical | 129,898 | 183,111 | 193,232 | 202,654 | 232,582 | NA | NA | NA |
| Life sciences, n.e.c. | 31,667 | 29,943 | 31,812 | 40,681 | 49,592 | 59,513 | 77,444 | 77,629 |
| Psychology, total | 46,687 | 56,955 | 54,774 | 58,441 | 59,243 | 67,722 | 89,820 | 89,364 |
| Biological aspects | 18,224 | 23,611 | 21,239 | 23,113 | 23,007 | 24,330 | 27,660 | 31,749 |
| Social aspects | 20,289 | 22,231 | 21,286 | 21,907 | 20,816 | 25,411 | 30,033 | 33,602 |
| Psychological sciences, n.e.c. | 8,174 | 11,113 | 12,249 | 13,421 | 15,420 | 17,981 | 32,127 | 24,013 |
| Physical sciences, total | 234,204 | 242,934 | 267,515 | 278,106 | 326,085 | 366,604 | 402,798 | 460,974 |
| Astronomy | 30,148 | 30,432 | 28,410 | 28,516 | 34,593 | 37,417 | 40,645 | 45,770 |
| Chemistry | 70,612 | 75,691 | 89,737 | 94,224 | 115,782 | 123,514 | 140,147 | 159,494 |
| Physics | 121,985 | 130,995 | 143,906 | 149,624 | 167,018 | 198,687 | 214,738 | 246,072 |
| Physical sciences, n.e.c. | 11,459 | 5,816 | 5,462 | 5,742 | 8,692 | 6,986 | 7,268 | 9,638 |
| Environmental sciences, total | 119,699 | 130,607 | 146,057 | 168,642 | 205,163 | 226,541 | 275,498 | 297,035 |
| Atmospheric sciences | 36,709 | 32,244 | 38,537 | 42,682 | 50,656 | 60,605 | 71,124 | 86,664 |
| Geological sciences | 18,994 | 34,439 | 39,940 | 51,604 | 55,574 | 59,767 | 78,421 | 83,279 |
| Oceanography | 43,863 | 56,212 | 60,850 | 63,513 | 82,491 | 92,253 | 108,785 | 104,741 |
| Environmental sciences, n.e.c. | 20,133 | 7,712 | 6,730 | 10,843 | 16,442 | 13,916 | 17,168 | 22,351 |
| Math & computer sciences, total | 49,357 | 52,848 | 57,520 | 57,609 | 72,869 | 79,489 | 87,531 | 94,608 |
| Mathematics | NA | NA | NA | 30,076 | 38,274 | 39,963 | 41,166 | 49,025 |
| Computer sciences | NA | NA | NA | 26,171 | 33,932 | 36,036 | 42,827 | 41,312 |
| Math & computer sciences, n.e.c. | NA | NA | NA | 1,362 | 663 | 3,490 | 3,538 | 4,271 |
| Engineering, total | 124,228 | 141,205 | 167,299 | 172,317 | 220,578 | 240,875 | 269,590 | 323,723 |
| Aeronautical | 10,526 | 14,495 | 15,382 | 16,719 | 19,940 | 23,527 | 26,624 | 37,758 |
| Astronautical | 3,802 | 3,195 | 2,897 | 3,485 | 2,903 | 3,027 | 2,277 | 7,317 |
| Chemical | 8,850 | 9,176 | 15,614 | 16,063 | 17,109 | 24,514 | 19,231 | 20,250 |
| Civil | 7,104 | 6,164 | 4,937 | 5,385 | 7,302 | 8,262 | 16,965 | 21,624 |
| Electrical | 26,400 | 27,325 | 27,970 | 35,819 | 51,561 | 53,160 | 53,555 | 77,266 |
| Mechanical | 17,994 | 14,747 | 14,389 | 16,714 | 21,654 | 22,917 | 26,405 | 32,955 |
| Metallurgy & materials | 26,190 | 32,320 | 37,866 | 39,864 | 46,941 | 49,167 | 52,320 | 57,327 |
| Engineering, n.e.c. | 23,362 | 33,783 | 48,244 | 38,268 | 53,168 | 56,301 | 72,213 | 69,226 |
| Social sciences, total | 92,616 | 90,510 | 91,297 | 118,866 | 136,618 | 146,072 | 138,211 | 137,758 |
| Anthropology | 4,819 | 6,627 | 6,348 | 5,275 | 4,931 | 7,004 | 7,845 | 6,387 |
| Economics | 25,178 | 30,087 | 33,526 | 32,868 | 37,771 | 42,548 | 45,590 | 50,611 |
| Political science | 1,690 | 2,392 | 2,448 | 2,120 | 2,787 | 3,610 | 5,150 | 4,292 |
| Sociology | 23,182 | 18,757 | 12,825 | 17,014 | 18,948 | 21,107 | 24,163 | 27,019 |
| Social sciences, n.e.c. | 37,747 | 32,647 | 36,150 | 61,589 | 72,181 | 71,803 | 55,463 | 49,449 |
| History | 919 | 995 | 1,370 | NA | NA | NA | NA | NA |
| Linguistics | 2,740 | 2,827 | 2,250 | NA | NA | NA | NA | NA |
| Other social sciences | 34,088 | 28,825 | 32,530 | NA | NA | NA | NA | NA |
| Other sciences, n.e.c. | 52,847 | 39,084 | 35,655 | 52,893 | 32,844 | 39,133 | 57,511 | 75,462 |

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

## Table 1A. Federal obligations to universities and colleges for total research, by detailed field of science & engineering: All agencies, fiscal years 1973-2003

[Dollars in thousands]



| Field of science & engineering | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 |
|---|---|---|---|---|---|---|---|---|
| Total, all fields | 3,706,877 | 3,795,700 | 4,252,253 | 4,777,369 | 5,463,524 | 5,617,363 | 6,384,158 | 6,765,643 |
| Life sciences, total | 2,117,191 | 2,204,998 | 2,459,974 | 2,800,211 | 3,239,373 | 3,251,816 | 3,824,072 | 4,029,470 |
| Biol & agricultural, total | 1,294,160 | 1,337,402 | 1,492,803 | 1,686,416 | 1,942,840 | 1,961,835 | 2,321,137 | 2,419,035 |
| Biol (excl environmental) | 1,116,265 | 1,149,436 | 1,288,444 | 1,480,070 | 1,710,125 | 1,752,121 | 2,107,345 | 2,188,319 |
| Environmental biology | 38,323 | 40,920 | 43,408 | 95,919 | 98,816 | 94,169 | 96,905 | 98,935 |
| Agricultural | 139,572 | 147,046 | 160,951 | 110,427 | 133,899 | 115,545 | 116,887 | 131,781 |
| Medical sciences, total | 754,112 | 793,851 | 876,819 | 1,012,486 | 1,163,674 | 1,171,064 | 1,361,849 | 1,514,972 |
| Clinical medical | NA | NA | NA | NA | NA | NA | NA | NA |
| Other medical | NA | NA | NA | NA | NA | NA | NA | NA |
| Life sciences, n.e.c. | 68,919 | 73,745 | 90,352 | 101,309 | 132,859 | 118,917 | 141,086 | 95,463 |
| Psychology, total | 92,715 | 83,501 | 99,002 | 112,798 | 138,454 | 148,372 | 186,631 | 196,385 |
| Biological aspects | 29,645 | 25,920 | 28,938 | 36,895 | 44,982 | 47,364 | 55,571 | 65,229 |
| Social aspects | 32,105 | 26,944 | 31,772 | 32,826 | 39,856 | 41,850 | 54,219 | 42,686 |
| Psychological sciences, n.e.c. | 30,965 | 30,637 | 38,292 | 43,077 | 53,616 | 59,158 | 76,841 | 88,470 |
| Physical sciences, total | 525,167 | 559,144 | 596,468 | 697,754 | 753,232 | 751,875 | 822,507 | 856,885 |
| Astronomy | 47,886 | 52,595 | 51,944 | 68,740 | 65,908 | 68,225 | 71,710 | 75,085 |
| Chemistry | 193,477 | 189,588 | 205,714 | 242,337 | 269,449 | 265,663 | 281,119 | 294,724 |
| Physics | 274,504 | 305,977 | 328,780 | 375,157 | 402,699 | 404,723 | 403,838 | 424,718 |
| Physical sciences, n.e.c. | 9,300 | 10,984 | 10,030 | 11,520 | 15,176 | 13,264 | 65,840 | 62,358 |
| Environmental sciences, total | 280,329 | 274,684 | 316,895 | 319,455 | 361,141 | 365,748 | 400,350 | 408,097 |
| Atmospheric sciences | 82,690 | 79,713 | 81,037 | 96,371 | 102,816 | 111,460 | 114,762 | 113,357 |
| Geological sciences | 71,424 | 69,022 | 69,691 | 77,879 | 98,621 | 107,394 | 111,982 | 108,893 |
| Oceanography | 109,459 | 112,368 | 150,590 | 131,344 | 150,039 | 140,572 | 160,477 | 158,586 |
| Environmental sciences, n.e.c. | 16,756 | 13,581 | 15,577 | 13,861 | 9,665 | 6,322 | 13,129 | 27,261 |
| Math & computer sciences, total | 121,389 | 139,651 | 172,379 | 181,576 | 251,816 | 273,903 | 288,530 | 305,442 |
| Mathematics | 59,485 | 64,278 | 72,293 | 78,406 | 96,978 | 105,166 | 111,538 | 117,798 |
| Computer sciences | 50,169 | 67,125 | 80,795 | 74,195 | 102,371 | 111,457 | 111,039 | 117,282 |
| Math & computer sciences, n.e.c. | 11,735 | 8,248 | 19,291 | 28,975 | 52,467 | 57,280 | 65,953 | 70,362 |
| Engineering, total | 365,346 | 361,508 | 408,677 | 474,193 | 501,280 | 608,969 | 599,755 | 673,093 |
| Aeronautical | 39,277 | 38,495 | 41,529 | 45,025 | 42,002 | 60,104 | 66,900 | 60,028 |
| Astronautical | 8,752 | 9,582 | 15,396 | 10,115 | 11,330 | 13,165 | 14,084 | 17,825 |
| Chemical | 21,896 | 19,419 | 23,551 | 51,231 | 45,631 | 51,109 | 54,597 | 56,704 |
| Civil | 24,910 | 27,138 | 30,238 | 39,085 | 40,612 | 36,512 | 41,100 | 40,700 |
| Electrical | 86,087 | 88,611 | 91,665 | 120,192 | 118,364 | 138,513 | 143,214 | 139,082 |
| Mechanical | 36,331 | 40,486 | 49,962 | 55,302 | 66,187 | 82,809 | 76,282 | 73,935 |
| Metallurgy & materials | 69,505 | 75,342 | 85,966 | 87,675 | 107,150 | 133,272 | 107,790 | 175,086 |
| Engineering, n.e.c. | 78,588 | 62,435 | 70,370 | 65,568 | 70,004 | 93,485 | 95,788 | 109,733 |
| Social sciences, total | 136,377 | 113,505 | 125,447 | 111,122 | 122,319 | 111,155 | 129,172 | 137,855 |
| Anthropology | 5,793 | 5,846 | 5,735 | 6,755 | 6,987 | 7,590 | 8,415 | 8,150 |
| Economics | 48,931 | 52,647 | 58,400 | 32,789 | 36,548 | 34,062 | 39,278 | 41,512 |
| Political science | 4,008 | 2,688 | 3,129 | 4,343 | 5,178 | 3,963 | 3,678 | 4,498 |
| Sociology | 24,937 | 22,088 | 25,261 | 29,203 | 30,169 | 27,832 | 33,651 | 33,851 |
| Social sciences, n.e.c. | 52,708 | 30,236 | 32,922 | 38,032 | 43,437 | 37,708 | 44,150 | 49,844 |
| History | NA | NA | NA | NA | NA | NA | NA | NA |
| Linguistics | NA | NA | NA | NA | NA | NA | NA | NA |
| Other social sciences | NA | NA | NA | NA | NA | NA | NA | NA |
| Other sciences, n.e.c. | 68,363 | 58,709 | 73,411 | 80,260 | 95,909 | 105,525 | 133,141 | 158,416 |

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

## Table 1A. Federal obligations to universities and colleges for total research, by detailed field of science & engineering: All agencies, fiscal years 1973-2003

[Dollars in thousands]



| Field of science & engineering | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
|---|---|---|---|---|---|---|---|---|
| Total, all fields | 7,472,527 | 7,786,999 | 8,533,195 | 8,645,718 | 9,544,259 | 9,917,836 | 9,957,076 | 10,343,365 |
| Life sciences, total | 4,395,848 | 4,531,711 | 4,967,297 | 5,011,126 | 5,500,452 | 5,743,699 | 5,642,443 | 6,018,581 |
| Biol & agricultural, total | 2,627,973 | 2,668,819 | 2,907,436 | 2,903,743 | 3,055,135 | 3,144,372 | 2,999,296 | 3,240,568 |
| Biol (excl environmental) | 2,334,373 | 2,406,847 | 2,610,574 | 2,577,484 | 2,745,460 | 2,815,578 | 2,676,217 | 2,953,493 |
| Environmental biology | 141,548 | 127,929 | 149,317 | 162,085 | 160,458 | 166,859 | 166,724 | 148,059 |
| Agricultural | 152,052 | 134,043 | 147,545 | 164,174 | 149,217 | 161,935 | 156,355 | 139,016 |
| Medical sciences, total | 1,645,894 | 1,728,615 | 1,929,661 | 2,023,805 | 2,336,436 | 2,507,825 | 2,468,957 | 2,583,311 |
| Clinical medical | NA | NA | NA | NA | NA | NA | NA | NA |
| Other medical | NA | NA | NA | NA | NA | NA | NA | NA |
| Life sciences, n.e.c. | 121,981 | 134,277 | 130,200 | 83,578 | 108,881 | 91,502 | 174,190 | 194,702 |
| Psychology, total | 218,068 | 237,474 | 256,144 | 129,030 | 287,486 | 314,793 | 281,553 | 257,470 |
| Biological aspects | 78,186 | 78,718 | 86,055 | 11,192 | 13,384 | 10,010 | 11,587 | 22,734 |
| Social aspects | 51,790 | 70,671 | 79,442 | 22,026 | 16,761 | 17,549 | 21,640 | 10,118 |
| Psychological sciences, n.e.c. | 88,092 | 88,085 | 90,647 | 95,812 | 257,341 | 287,234 | 248,326 | 224,618 |
| Physical sciences, total | 929,635 | 1,001,514 | 1,070,744 | 1,150,622 | 1,172,630 | 1,168,476 | 1,193,942 | 1,126,675 |
| Astronomy | 78,398 | 82,167 | 104,389 | 197,058 | 120,137 | 132,617 | 166,937 | 192,513 |
| Chemistry | 297,704 | 317,381 | 339,576 | 351,834 | 347,925 | 376,675 | 362,997 | 364,033 |
| Physics | 485,699 | 546,293 | 590,911 | 573,549 | 607,988 | 600,831 | 589,830 | 511,618 |
| Physical sciences, n.e.c. | 67,834 | 55,673 | 35,868 | 28,181 | 96,580 | 58,353 | 74,178 | 58,511 |
| Environmental sciences, total | 460,488 | 488,755 | 558,617 | 584,682 | 590,370 | 637,208 | 614,996 | 656,856 |
| Atmospheric sciences | 122,416 | 129,912 | 147,110 | 166,002 | 159,562 | 174,077 | 208,879 | 158,133 |
| Geological sciences | 135,426 | 138,327 | 176,658 | 170,884 | 188,506 | 205,493 | 171,196 | 136,644 |
| Oceanography | 176,935 | 181,984 | 135,524 | 149,286 | 146,706 | 147,912 | 111,021 | 209,824 |
| Environmental sciences, n.e.c. | 25,711 | 38,532 | 99,325 | 98,510 | 95,596 | 109,726 | 123,900 | 152,255 |
| Math & computer sciences, total | 344,809 | 414,929 | 398,710 | 477,677 | 490,134 | 540,132 | 535,117 | 650,571 |
| Mathematics | 115,208 | 129,191 | 121,910 | 150,445 | 135,887 | 141,038 | 133,154 | 135,970 |
| Computer sciences | 158,790 | 281,950 | 251,720 | 319,883 | 337,829 | 380,379 | 376,162 | 488,260 |
| Math & computer sciences, n.e.c. | 70,811 | 3,788 | 25,080 | 7,349 | 16,418 | 18,715 | 25,801 | 26,341 |
| Engineering, total | 749,156 | 712,715 | 828,843 | 836,083 | 887,988 | 954,599 | 1,090,788 | 1,079,626 |
| Aeronautical | 71,724 | 84,045 | 58,261 | 56,924 | 52,135 | 63,207 | 52,598 | 47,546 |
| Astronautical | 19,790 | 20,215 | 21,888 | 25,073 | 20,447 | 20,708 | 19,726 | 17,901 |
| Chemical | 41,902 | 58,523 | 75,554 | 69,770 | 65,369 | 60,402 | 70,621 | 60,640 |
| Civil | 46,290 | 42,885 | 48,139 | 39,808 | 37,734 | 37,351 | 51,737 | 44,924 |
| Electrical | 151,536 | 138,159 | 142,787 | 148,535 | 195,695 | 190,046 | 173,686 | 163,830 |
| Mechanical | 87,536 | 77,484 | 98,472 | 99,091 | 117,327 | 125,724 | 134,381 | 90,576 |
| Metallurgy & materials | 194,090 | 165,529 | 213,765 | 183,407 | 200,562 | 272,781 | 317,940 | 303,756 |
| Engineering, n.e.c. | 136,288 | 125,875 | 169,977 | 213,475 | 198,719 | 184,380 | 270,099 | 350,453 |
| Social sciences, total | 155,254 | 175,261 | 213,691 | 174,609 | 216,015 | 200,495 | 204,488 | 184,623 |
| Anthropology | 8,031 | 8,098 | 8,660 | 7,987 | 6,965 | 6,614 | 11,512 | 9,821 |
| Economics | 45,585 | 49,214 | 50,900 | 61,086 | 58,844 | 54,759 | 59,826 | 55,606 |
| Political science | 5,397 | 5,507 | 5,980 | 4,527 | 4,494 | 4,979 | 7,303 | 5,177 |
| Sociology | 43,423 | 57,559 | 92,667 | 43,173 | 34,091 | 27,631 | 16,305 | 12,038 |
| Social sciences, n.e.c. | 52,818 | 54,883 | 55,484 | 57,836 | 111,621 | 106,512 | 109,542 | 101,981 |
| History | NA | NA | NA | NA | NA | NA | NA | NA |
| Linguistics | NA | NA | NA | NA | NA | NA | NA | NA |
| Other social sciences | NA | NA | NA | NA | NA | NA | NA | NA |
| Other sciences, n.e.c. | 219,269 | 224,640 | 239,149 | 281,889 | 399,184 | 358,434 | 393,749 | 368,963 |

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

## Table 1A. Federal obligations to universities and colleges for total research, by detailed field of science & engineering: All agencies, fiscal years 1973-2003

[Dollars in thousands]



| Field of science & engineering | 1997 | 1998 | 1999 | 2000 | 2001 | Preliminary | |
|---|---|---|---|---|---|---|---|
| | | | | | | 2002 | 2003 |
| Total, all fields | 10,780,033 | 11,310,714 | 12,776,067 | 15,588,828 | 18,136,093 | 19,765,895 | 21,706,082 |
| Life sciences, total | 6,566,059 | 7,005,369 | 8,091,196 | 9,357,175 | 12,212,548 | 13,599,085 | 15,179,058 |
| Biol & agricultural, total | 3,820,244 | 4,069,294 | 4,685,742 | 6,615,615 | 10,393,323 | NA | NA |
| Biol (excl environmental) | 3,500,584 | 3,739,058 | 4,288,328 | 6,162,879 | 9,890,754 | NA | NA |
| Environmental biology | 146,578 | 158,273 | 194,666 | 233,778 | 217,361 | NA | NA |
| Agricultural | 173,082 | 171,963 | 202,748 | 218,958 | 285,208 | NA | NA |
| Medical sciences, total | 2,537,336 | 2,714,380 | 3,141,633 | 2,194,375 | 1,602,535 | NA | NA |
| Clinical medical | NA | NA | NA | NA | NA | NA | NA |
| Other medical | NA | NA | NA | NA | NA | NA | NA |
| Life sciences, n.e.c. | 208,479 | 221,695 | 263,821 | 547,185 | 216,690 | NA | NA |
| Psychology, total | 283,399 | 297,318 | 325,569 | 898,333 | 353,927 | 403,077 | 460,847 |
| Biological aspects | 25,103 | 23,104 | 14,246 | 6,623 | 11,061 | NA | NA |
| Social aspects | 14,129 | 11,891 | 11,855 | 14,873 | 6,219 | NA | NA |
| Psychological sciences, n.e.c. | 244,167 | 262,323 | 299,468 | 876,837 | 336,647 | NA | NA |
| Physical sciences, total | 1,163,863 | 1,204,162 | 1,322,760 | 1,561,163 | 1,525,488 | 1,580,209 | 1,683,551 |
| Astronomy | 168,004 | 173,413 | 196,996 | 228,334 | 268,214 | NA | NA |
| Chemistry | 340,896 | 331,412 | 380,705 | 622,461 | 486,916 | NA | NA |
| Physics | 522,066 | 577,136 | 628,655 | 575,746 | 576,401 | NA | NA |
| Physical sciences, n.e.c. | 132,897 | 122,201 | 116,404 | 134,622 | 193,957 | NA | NA |
| Environmental sciences, total | 672,091 | 652,121 | 696,105 | 910,361 | 913,987 | 957,963 | 995,816 |
| Atmospheric sciences | 205,787 | 165,621 | 202,584 | 186,733 | 189,353 | NA | NA |
| Geological sciences | 124,194 | 171,276 | 143,948 | 136,327 | 151,264 | NA | NA |
| Oceanography | 215,405 | 197,197 | 240,596 | 233,993 | 258,810 | NA | NA |
| Environmental sciences, n.e.c. | 126,705 | 118,027 | 108,977 | 353,308 | 314,560 | NA | NA |
| Math & computer sciences, total | 571,595 | 624,106 | 662,983 | 792,873 | 943,482 | 973,008 | 1,040,430 |
| Mathematics | 118,167 | 132,516 | 131,264 | 211,490 | 169,702 | NA | NA |
| Computer sciences | 429,357 | 470,433 | 506,284 | 568,127 | 724,950 | NA | NA |
| Math & computer sciences, n.e.c. | 24,071 | 21,157 | 25,435 | 13,256 | 48,830 | NA | NA |
| Engineering, total | 988,013 | 992,421 | 1,046,107 | 1,283,447 | 1,374,247 | 1,377,398 | 1,409,044 |
| Aeronautical | 49,321 | 62,107 | 72,452 | 69,915 | 65,397 | NA | NA |
| Astronautical | 17,567 | 8,819 | 40,957 | 43,765 | 24,402 | NA | NA |
| Chemical | 62,679 | 73,351 | 74,586 | 80,232 | 71,488 | NA | NA |
| Civil | 45,100 | 46,297 | 44,815 | 50,770 | 51,118 | NA | NA |
| Electrical | 146,348 | 177,287 | 192,238 | 181,805 | 238,582 | NA | NA |
| Mechanical | 76,197 | 76,403 | 77,957 | 72,344 | 101,542 | NA | NA |
| Metallurgy & materials | 261,206 | 246,636 | 241,172 | 280,503 | 336,551 | NA | NA |
| Engineering, n.e.c. | 329,595 | 301,521 | 301,930 | 504,113 | 485,167 | NA | NA |
| Social sciences, total | 197,440 | 189,508 | 231,398 | 321,422 | 279,101 | 288,473 | 299,924 |
| Anthropology | 10,794 | 10,733 | 11,031 | 11,637 | 11,812 | NA | NA |
| Economics | 58,675 | 48,465 | 52,305 | 66,005 | 73,846 | NA | NA |
| Political science | 5,389 | 5,077 | 5,325 | 5,541 | 6,620 | NA | NA |
| Sociology | 14,521 | 13,846 | 14,472 | 19,735 | 17,105 | NA | NA |
| Social sciences, n.e.c. | 108,061 | 111,387 | 148,265 | 218,504 | 169,718 | NA | NA |
| History | NA | NA | NA | NA | NA | NA | NA |
| Linguistics | NA | NA | NA | NA | NA | NA | NA |
| Other social sciences | NA | NA | NA | NA | NA | NA | NA |
| Other sciences, n.e.c. | 337,573 | 345,709 | 399,949 | 464,054 | 533,313 | 586,682 | 637,412 |

**KEY:** NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year, or that the agency or subagency did not exist as such or in that organization in that year)
n.e.c. = Not elsewhere classified

**NOTES:** This table shows obligations from the Departments of Agriculture, Defense, Energy, and Health & Human Services; the National Aeronautics & Space Administration; and the National Science Foundation; they represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 2001, 2002, and 2003.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003