

Table B-56. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in the mathematical sciences: fiscal years 1997-2000

[Dollars in thousands]

| Institution and ranking | Total | | | | Federally financed | | | |
|--------------------------------------|---------|---------|---------|---------|--------------------|---------|---------|---------|
| | 1997 | 1998 | 1999 | 2000 | 1997 | 1998 | 1999 | 2000 |
| Total, all institutions | 289,342 | 310,199 | 313,111 | 340,683 | 202,009 | 214,081 | 209,158 | 228,694 |
| 1 Johns Hopkins U ¹ | 34,207 | 29,293 | 24,302 | 24,195 | 34,171 | 29,271 | 24,238 | 24,072 |
| 2 George Washington U | 10,272 | 13,477 | 13,910 | 16,276 | 7,653 | 11,537 | 13,376 | 15,835 |
| 3 U TX at Austin | 7,242 | 15,683 | 13,911 | 15,011 | 3,980 | 10,156 | 9,585 | 9,699 |
| 4 Boston College | 6,776 | 7,951 | 9,562 | 12,077 | 5,667 | 6,331 | 6,780 | 7,295 |
| 5 NC State University | 7,454 | 9,088 | 8,995 | 10,839 | 3,361 | 3,444 | 2,511 | 4,494 |
| 6 U of South Carolina | 7,047 | 8,501 | 7,546 | 9,911 | 2,209 | 1,986 | 1,586 | 2,108 |
| 7 Rutgers the State U NJ | 7,048 | 10,335 | 9,748 | 8,728 | 3,207 | 6,266 | 5,664 | 4,652 |
| 8 Brown University | 6,703 | 7,499 | 7,308 | 7,439 | 4,391 | 4,675 | 5,035 | 4,760 |
| 9 Iowa State University | 5,885 | 5,771 | 6,272 | 6,907 | 2,746 | 2,727 | 2,782 | 3,182 |
| 10 Georgia Institute of Tech | 4,014 | 4,403 | 3,963 | 5,829 | 1,881 | 1,931 | 1,696 | 2,415 |
| Total, 1st 10 institutions | 96,648 | 112,001 | 105,517 | 117,212 | 69,266 | 78,324 | 73,253 | 78,512 |
| 11 U CA Berkeley | 4,958 | 4,602 | 4,069 | 5,730 | 4,265 | 3,927 | 3,230 | 4,476 |
| 12 New York University | 3,377 | 5,828 | 5,652 | 5,555 | 3,251 | 5,570 | 5,005 | 4,746 |
| 13 U TX MD Anderson Cnrc Ctr .. | 2,733 | 2,715 | 3,625 | 5,142 | 230 | 144 | 855 | 1,239 |
| 14 Stanford University | 3,219 | 4,049 | 4,577 | 5,111 | 2,993 | 3,804 | 4,303 | 4,672 |
| 15 MA Institute of Tech | 3,529 | 2,469 | 5,138 | 5,097 | 3,104 | 2,303 | 4,131 | 4,169 |
| 16 U CA Los Angeles | 3,717 | 4,226 | 4,748 | 4,957 | 2,907 | 3,553 | 4,115 | 3,426 |
| 17 SUNY at Stony Brook | 5,165 | 4,575 | 5,071 | 4,903 | 3,149 | 3,002 | 3,447 | 3,006 |
| 18 University of Georgia | 4,464 | 4,362 | 4,778 | 4,732 | 748 | 578 | 634 | 598 |
| 19 University of Florida | 3,703 | 4,676 | 4,687 | 4,705 | 2,401 | 2,739 | 2,564 | 2,600 |
| 20 U of Washington | 2,639 | 3,247 | 3,724 | 4,366 | 2,501 | 3,000 | 3,259 | 3,849 |
| Total, 1st 20 institutions | 134,152 | 152,750 | 151,586 | 167,510 | 94,815 | 106,944 | 104,796 | 111,293 |
| 21 University of Minnesota | 5,997 | 5,965 | 5,069 | 4,327 | 4,945 | 4,844 | 4,172 | 3,579 |
| 22 U WI-Madison | 3,052 | 3,180 | 3,643 | 3,833 | 1,939 | 1,832 | 1,857 | 1,767 |
| 23 Carnegie Mellon U | 2,868 | 3,671 | 3,845 | 3,757 | 2,396 | 3,015 | 3,164 | 3,322 |
| 24 Pennsylvania State U | 3,092 | 2,986 | 3,358 | 3,750 | 1,974 | 1,832 | 2,140 | 2,318 |
| 25 Texas A&M University | 1,846 | 2,600 | 2,764 | 3,684 | 1,377 | 1,674 | 1,791 | 2,715 |
| 26 Naval Postgrad School | 2,891 | 3,048 i | 3,048 i | 3,344 i | 2,867 | 3,021 i | 3,021 i | 3,308 i |
| 27 U of IL Chicago | 3,556 | 1,944 | 2,694 | 3,324 | 2,583 | 1,292 | 1,680 | 2,291 |
| 28 Purdue University | 3,626 | 3,762 | 3,195 | 3,277 | 2,022 | 1,869 | 1,452 | 1,533 |
| 29 Princeton University | 2,057 | 1,791 | 2,560 | 3,158 | 1,364 | 1,448 | 1,781 | 1,928 |
| 30 University of Michigan | 3,050 | 3,127 | 3,170 | 3,115 | 2,393 | 2,230 | 2,573 | 2,448 |
| Total, 1st 30 institutions | 166,187 | 184,824 | 184,932 | 203,079 | 118,675 | 130,001 | 128,427 | 136,502 |
| 31 Western Michigan U | 2,442 | 2,759 | 2,321 | 3,038 | 1,575 | 1,842 | 1,578 | 2,225 |
| 32 University of Arizona | 2,850 | 3,121 | 2,409 | 2,999 | 2,060 | 2,270 | 1,753 | 2,124 |
| 33 San Diego St University | 736 | 998 | 1,956 | 2,853 | 218 | 196 | 588 | 1,609 |
| 34 U CA Santa Barbara | 1,868 | 2,157 | 2,403 | 2,842 | 1,272 | 1,655 | 1,656 | 1,604 |
| 35 Rice University | 2,241 | 2,392 | 2,466 | 2,809 | 1,858 | 2,253 | 2,239 | 2,660 |
| 36 VA Polytech Inst & St U | 2,788 | 2,973 | 2,395 | 2,666 | 1,831 | 1,958 | 1,370 | 1,503 |
| 37 U of IL Urbana-Champaign | 1,598 | 2,011 | 2,259 | 2,597 | 851 | 1,102 | 1,235 | 1,316 |
| 38 Cornell University | 3,000 | 2,448 | 2,634 | 2,487 | 2,445 | 1,547 | 1,889 | 1,729 |
| 39 U of Southern California | 2,372 | 2,043 | 2,051 | 2,387 | 2,123 | 1,846 | 1,835 | 2,202 |
| 40 Clemson University | 1,922 | 2,265 | 2,005 | 2,319 | 642 | 710 | 546 | 632 |
| Total, 1st 40 institutions | 188,004 | 207,991 | 207,831 | 230,076 | 133,550 | 145,380 | 143,116 | 154,106 |
| 41 U MA Amherst | 1,527 | 1,788 | 1,567 | 2,298 | 1,146 | 1,167 | 1,190 | 1,653 |
| 42 Florida State University | 982 | 1,772 | 4,346 | 2,275 | 812 | 995 | 1,499 | 1,343 |
| 43 University of Colorado | 1,606 | 1,875 | 2,013 | 2,121 | 1,198 | 1,417 | 1,418 | 1,916 |
| 44 Indiana University | 1,385 | 1,290 | 1,519 | 2,077 | 993 | 785 | 930 | 1,033 |
| 45 University of Chicago | 1,576 | 1,519 | 1,514 | 2,038 | 1,430 | 1,444 | 1,511 | 1,980 |
| 46 U of Nebraska at Lincoln | 533 | 540 i | 1,891 | 2,016 | 398 | 403 i | 389 | 396 |
| 47 Harvard University | 1,275 | 1,462 | 1,674 | 1,887 | 1,070 | 1,379 | 1,647 | 1,853 |
| 48 Washington University | 918 | 1,208 | 1,194 | 1,814 | 844 | 1,127 | 981 | 1,628 |
| 49 Ithaca College | 0 i | 845 | 1,379 | 1,767 | 0 i | 777 | 1,307 | 1,767 |
| 50 Ohio State University | 1,731 | 1,370 | 1,500 | 1,751 | 1,234 | 997 | 1,202 | 1,364 |
| Total, 1st 50 institutions | 199,537 | 221,660 | 226,428 | 250,120 | 142,675 | 155,871 | 155,190 | 169,039 |

See explanatory information and SOURCE at end of table.

Table B-56. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in the mathematical sciences: fiscal years 1997-2000

[Dollars in thousands]

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| Institution and ranking | Total | | | | Federally financed | | | |
|------------------------------------|---------|---------|---------|---------|--------------------|---------|---------|---------|
| | 1997 | 1998 | 1999 | 2000 | 1997 | 1998 | 1999 | 2000 |
| 51 Arizona State University | 1,239 | 1,245 | 1,132 | 1,677 | 788 | 582 | 735 | 960 |
| 52 Duke University | 1,007 | 904 | 1,277 | 1,666 | 843 | 844 | 1,143 | 1,545 |
| 53 Yale University | 1,503 | 2,439 | 2,357 | 1,570 | 1,342 | 2,305 | 2,173 | 1,253 |
| 54 Colorado State University | 1,764 | 1,503 | 1,599 | 1,418 | 548 | 433 | 557 | 684 |
| 55 University of Delaware | 1,591 | 1,527 | 1,288 | 1,386 | 1,201 | 1,184 | 940 | 984 |
| 56 Boston University | 2,347 | 3,042 | 2,545 | 1,384 | 2,265 | 2,857 | 2,402 | 1,274 |
| 57 University of Utah | 1,143 | 1,290 | 1,512 | 1,356 | 1,093 | 1,112 | 1,249 | 1,130 |
| 58 Louisiana State U System | 1,926 | 1,550 | 1,247 | 1,346 | 433 | 307 | 227 | 318 |
| 59 U of Missouri Columbia | 1,113 | 1,348 | 1,447 | 1,335 | 484 | 608 | 541 | 581 |
| 60 University of Louisville | 364 | 132 | 1,483 | 1,329 | 285 | 84 | 163 | 51 |
| Total, 1st 60 institutions | 213,534 | 236,640 | 242,315 | 264,587 | 151,957 | 166,187 | 165,320 | 177,819 |
| 61 Drexel University | 462 | 403 | 812 | 1,307 | 116 | 319 | 676 | 943 |
| 62 Portland State University | 163 | 320 | 272 | 1,270 | 20 | 202 | 209 | 935 |
| 63 SUNY at Buffalo | 629 | 1,431 | 1,284 | 1,265 | 304 | 297 | 191 | 217 |
| 64 Northwestern University | 998 | 1,198 | 963 | 1,229 | 724 | 924 | 699 | 920 |
| 65 U of Alabama Huntsville | 966 | 2,085 | 1,381 | 1,188 | 557 | 1,453 | 1,061 | 942 |
| 66 U CA Davis | 778 | 1,100 | 913 | 1,156 | 619 | 692 | 652 | 707 |
| 67 Columbia U in City of NY | 761 | 953 | 926 | 1,096 | 701 | 852 | 893 | 1,031 |
| 68 Rockefeller U, The | 240 | 307 | 727 | 1,086 | 135 | 125 | 173 | 578 |
| 69 U of Pennsylvania | 1,120 | 747 | 949e | 1,084 | 1,117 | 731 | 949 | 1,035 |
| 70 U CA San Diego | 1,056 | 1,477 | 1,115 | 1,078 | 842 | 1,226 | 938 | 894 |
| Total, 1st 70 institutions | 220,707 | 246,661 | 251,657 | 276,346 | 157,092 | 173,008 | 171,761 | 186,021 |
| 71 Texas Tech University | 672 | 1,024 | 763 | 1,042 | 356 | 656 | 483 | 628 |
| 72 U CA Irvine | 538 | 471 | 1,178 | 1,038 | 486 | 336 | 789 | 770 |
| 73 U MD at College Park | 1,671 | 773 | 745 | 1,015 | 902 | 773 | 745 | 865 |
| 74 Oklahoma State University | 370 | 400 | 783 | 1,002 | 342 | 353 | 297 | 353 |
| 75 Le Moyne-Owen Coll | -- | 12 | 1,000 | 1,000 | -- | 0 | 1,000 | 1,000 |
| 76 U of LA Lafayette | 623 | 652 | 709 | 943 | 17 | 3 | 21 | 58 |
| 77 Northeastern University | 591 | 677 | 829 | 927 | 471 | 567 | 634 | 726 |
| 78 Western Illinois U | 750 | 903 | 757 | 924 | 540 | 650 | 602 | 635 |
| 79 University of Pittsburgh | 488 | 319 | 904 | 919 | 358 | 293 | 838 | 802 |
| 80 Rensselaer Polytech Inst | 1,440 i | 1,170 | 903 | 908 | 870 i | 1,057 | 836 | 812 |
| Total, 1st 80 institutions | 227,850 | 253,062 | 260,228 | 286,064 | 161,434 | 177,696 | 178,006 | 192,670 |
| 81 U of Iowa | 458 | 497 | 750 | 889 | 291 | 334 | 551 | 666 |
| 82 Morgan State University | 237 i | 52 | 0 | 878 | 236 i | 52 | 0 | 878 |
| 83 Michigan State University | 1,185 | 712 | 694 | 876 | 931 | 481 | 542 | 599 |
| 84 U MA Dartmouth | 817 | 1,266 | 1,043 | 857 | 807 | 1,208 | 964 | 727 |
| 85 U of the Virgin Islands | 1,477e | 1,477e | 819e | 819e | 0e | 0e | 0 | 0e |
| 86 Mississippi State U | 46 | 412 | 525 | 815 | 43 | 46 | 51 | 74 |
| 87 Utah State University | 768 | 654 | 376 | 800 | 388 | 289 | 210 | 603 |
| 88 University of Vermont | 331 | 485 | 477 | 799 | 199 | 292 | 317 | 499 |
| 89 NJ Inst of Technology | 795 | 665 | 665 | 797 | 473 | 455 | 455 | 452 |
| 90 U of NC Chapel Hill | 1,166 | 840 | 675 | 797 | 966 | 751 | 616 | 719 |
| Total, 1st 90 institutions | 235,130 | 260,122 | 266,252 | 294,391 | 165,768 | 181,604 | 181,712 | 197,887 |

See explanatory information and SOURCE at end of table.

Table B-56. Total and federally financed R&D expenditures in the mathematical sciences at universities and colleges, ranked by fiscal year 2000 total R&D expenditures in the mathematical sciences: fiscal years 1997-2000

[Dollars in thousands]

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| Institution and ranking | Total | | | | Federally financed | | | |
|--|---------|---------|---------|---------|--------------------|---------|---------|---------|
| | 1997 | 1998 | 1999 | 2000 | 1997 | 1998 | 1999 | 2000 |
| 91 Tufts University | 974 | 783 | 909 | 787 | 737 | 630 | 629 | 574 |
| 92 University of Houston | 1,307 | 673 | 836 | 787 | 910 | 457 | 545 | 552 |
| 93 Polytechnic University | 119 | 94 i | 100 | 769 | 95 | 77 i | 48 | 548 |
| 94 Elizabeth City State U | 19 | 309 | 361 | 753 | 19 | 309 | 361 | 753 |
| 95 Univ of Memphis, The | 363 | 831 | 354 | 738 | 204 | 201 | 298 | 620 |
| 96 Tulane University | 695 | 498 | 467 | 730 | 503 | 429 | 395 | 564 |
| 97 Worcester Polytech Inst | 343 | 555 | 547 | 726 | 229 | 321 | 319 | 311 |
| 98 Illinois State University | 963 | 982e | 690 | 707 i | 932 | 950e | 550 | 563 i |
| 99 California Inst of Tech | 310 | 357 | 1,147 | 701 | 270 | 237 | 866 | 681 |
| 100 University of Kentucky | 325 | 421 | 693 | 692 | 323 | 247 | 465 | 506 |
| Total, 1st 100 institutions | 240,548 | 265,625 | 272,356 | 301,781 | 169,990 | 185,462 | 186,188 | 203,559 |
| Total, all other sampled institutions | 48,794 | 44,574 | 40,755 | 38,902 | 32,019 | 28,619 | 22,970 | 25,135 |

¹ Johns Hopkins University includes Applied Physics Laboratory.

KEY: -- = not available
e = estimated
i = imputed

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000