

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| All institutions | - | 46,143,829 | 2,000,937 | 2,109,065 | 26,254,002 | 486,259 | 3,789,237 | 808,565 | 969,278 | 361,560 | 8,120,891 | 1,244,035 |
| Johns Hopkins U. ^a | 1 | 2,682,410 | 216,738 | 59,766 | 714,341 | 102,890 | 372,067 | 5,066 | 4,910 | 48,966 | 1,154,993 | 2,673 |
| U. Washington, Seattle | 2 | 1,024,195 | 18,140 | 114,555 | 667,996 | 6,115 | 52,913 | 7,112 | 6,333 | 0 | 114,031 | 37,000 |
| U. Michigan, Ann Arbor | 3 | 884,880 | 6,046 | 8,059 | 547,904 | 5,771 | 35,572 | 6,479 | 89,211 | 2,196 | 176,141 | 7,501 |
| Georgia Institute of Technology | 4 | 790,518 | 162,577 | 7,862 | 22,969 | 4,104 | 22,417 | 1,899 | 21,373 | 0 | 537,693 | 9,624 |
| Columbia U. in the City of New York | 5 | 762,289 | 22,817 | 54,388 | 562,474 | 3,054 | 31,519 | 4,286 | 3,357 | 0 | 62,020 | 18,374 |
| Stanford U. | 6 | 751,414 | 15,368 | 8,906 | 529,667 | 6,338 | 68,199 | 10,782 | 5,291 | 0 | 81,391 | 25,472 |
| U. California, San Diego | 7 | 727,289 | 16,179 | 128,962 | 413,628 | 2,456 | 49,002 | 13,624 | 2,924 | 2,159 | 97,602 | 753 |
| U. Pennsylvania | 8 | 721,308 | 15,361 | 872 | 577,785 | 2,744 | 38,206 | 9,563 | 16,651 | 67 | 44,542 | 15,517 |
| Duke U. | 9 | 707,746 | 5,535 | 6,194 | 568,232 | 6,554 | 19,178 | 6,104 | 20,611 | 10 | 73,605 | 1,723 |
| U. North Carolina, Chapel Hill | 10 | 706,145 | 20,870 | 12,873 | 521,691 | 5,390 | 27,083 | 23,840 | 56,291 | 0 | 17,813 | 20,294 |
| U. Pittsburgh, Pittsburgh | 11 | 689,273 | 6,612 | 7,374 | 590,430 | 2,777 | 17,786 | 14,586 | 2,348 | 4,179 | 36,623 | 6,558 |
| U. Maryland ^b | 12 | 689,125 | 34,576 | 51,008 | 360,827 | 3,660 | 81,584 | 7,725 | 36,918 | 6,327 | 86,398 | 20,102 |
| U. California, San Francisco | 13 | 676,331 | 0 | 0 | 634,918 | 0 | 41,413 | 0 | 0 | 0 | 0 | 0 |
| U. California, Los Angeles | 14 | 655,030 | 10,302 | 27,134 | 459,909 | 10,440 | 37,430 | 13,035 | 9,105 | 25,701 | 49,163 | 12,811 |
| Pennsylvania State U., University Park and Hershey Medical Center | 15 | 638,930 | 76,419 | 24,605 | 146,249 | 13,702 | 54,776 | 26,894 | 12,255 | 0 | 277,345 | 6,685 |
| U. Wisconsin-Madison | 16 | 632,558 | 15,975 | 35,879 | 373,989 | 4,286 | 58,512 | 7,467 | 24,863 | 23,519 | 73,412 | 14,656 |
| Harvard U. | 17 | 605,603 | 11,955 | 28,723 | 401,466 | 17,747 | 55,363 | 2,242 | 27,768 | 248 | 52,801 | 7,290 |
| Yale U. | 18 | 585,170 | 3,666 | 2,704 | 512,821 | 2,556 | 28,840 | 5,983 | 1,833 | 0 | 24,172 | 2,595 |
| U. Southern California | 19 | 562,120 | 115,564 | 9,079 | 321,802 | 1,264 | 13,605 | 4,913 | 28,212 | 0 | 55,089 | 12,592 |
| Cornell U. | 20 | 562,021 | 18,829 | 6,428 | 352,059 | 2,519 | 96,374 | 4,826 | 7,441 | 0 | 69,870 | 3,675 |
| Washington U., Saint Louis | 21 | 559,882 | 4,675 | 5,000 | 489,071 | 902 | 18,393 | 4,887 | 443 | 2,104 | 19,552 | 14,855 |
| Ohio State U. | 22 | 539,359 | 8,892 | 6,489 | 321,704 | 3,945 | 44,079 | 5,681 | 10,746 | 19,052 | 85,038 | 33,733 |
| Northwestern U. | 23 | 531,654 | 5,024 | 730 | 393,156 | 1,580 | 46,669 | 2,438 | 8,526 | 20,452 | 49,383 | 3,696 |
| Texas A&M U., College Station and Health Science Center | 24 | 517,489 | 9,988 | 82,072 | 275,643 | 5,223 | 21,208 | 2,550 | 8,838 | 736 | 95,138 | 16,093 |
| Vanderbilt U. and Vanderbilt U. Medical Center | 25 | 514,299 | 0 | 966 | 413,212 | 902 | 15,195 | 7,496 | 2,189 | 0 | 52,373 | 21,966 |
| U. Minnesota, Twin Cities | 26 | 514,092 | 9,283 | 7,624 | 334,529 | 5,141 | 32,576 | 24,430 | 15,486 | 178 | 74,167 | 10,678 |
| U. Texas, Austin | 27 | 500,409 | 128,322 | 20,523 | 70,386 | 8,882 | 56,570 | 7,422 | 10,339 | 588 | 175,426 | 21,951 |
| Massachusetts Institute of Technology | 28 | 488,741 | 54,491 | 20,477 | 76,829 | 5,091 | 105,097 | 277 | 6,424 | 2,390 | 213,108 | 4,557 |
| Icahn School of Medicine at Mount Sinai | 29 | 480,452 | 0 | 0 | 480,452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emory U. | 30 | 452,636 | 323 | 684 | 419,593 | 1,926 | 15,380 | 3,989 | 916 | 0 | 8,676 | 1,149 |
| New York U. | 31 | 448,850 | 9,125 | 133 | 353,092 | 8,861 | 18,606 | 22,886 | 5,450 | 0 | 15,445 | 15,252 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Colorado Boulder | 32 | 427,869 | 14,941 | 116,177 | 42,667 | 2,555 | 106,414 | 10,667 | 11,527 | 1,638 | 105,890 | 15,393 |
| U. Alabama, Birmingham | 33 | 400,110 | 1,356 | 438 | 341,725 | 875 | 3,934 | 4,434 | 201 | 0 | 44,243 | 2,904 |
| U. Florida | 34 | 397,202 | 9,016 | 8,484 | 265,894 | 985 | 16,445 | 7,199 | 4,981 | 0 | 62,573 | 21,625 |
| U. Illinois, Urbana-Champaign | 35 | 387,853 | 64,385 | 5,419 | 110,331 | 2,719 | 49,164 | 10,020 | 2,192 | 746 | 131,529 | 11,348 |
| U. California, Davis | 36 | 380,965 | 5,005 | 7,014 | 293,608 | 3,471 | 17,230 | 1,153 | 12,384 | 0 | 37,203 | 3,897 |
| Case Western Reserve U. | 37 | 357,589 | 34 | 478 | 316,948 | 325 | 7,203 | 670 | 3,051 | 88 | 27,954 | 838 |
| U. Chicago | 38 | 352,447 | 23,454 | 8,514 | 231,277 | 4,078 | 43,904 | 5,959 | 10,380 | 0 | 20,168 | 4,713 |
| U. California, Berkeley | 39 | 349,989 | 255 | 5,816 | 119,018 | 6,251 | 84,023 | 9,515 | 5,489 | 35,091 | 79,645 | 4,886 |
| U. Colorado Denver and Anschutz Medical Campus | 40 | 348,724 | 210 | 575 | 334,819 | 501 | 1,167 | 1,455 | 121 | 0 | 4,944 | 4,932 |
| Indiana U., Bloomington | 41 | 343,876 | 26,097 | 1,597 | 265,276 | 1,299 | 21,231 | 6,822 | 9,632 | 428 | 6,314 | 5,180 |
| Boston U. | 42 | 339,172 | 5,902 | 6,447 | 228,882 | 2,947 | 20,726 | 12,411 | 1,052 | 1,755 | 53,265 | 5,785 |
| Michigan State U. | 43 | 329,748 | 7,631 | 2,792 | 136,029 | 5,790 | 100,092 | 8,921 | 23,664 | 1,535 | 31,431 | 11,863 |
| U. Arizona | 44 | 328,807 | 7,670 | 13,625 | 179,457 | 2,295 | 77,135 | 1,971 | 6,264 | 2,745 | 34,459 | 3,186 |
| Oregon Health and Science U. | 45 | 321,572 | 0 | 0 | 312,023 | 0 | 0 | 0 | 0 | 0 | 9,549 | 0 |
| California Institute of Technology | 46 | 316,519 | 11,277 | 27,071 | 65,063 | 755 | 178,896 | 0 | 0 | 0 | 26,324 | 7,133 |
| Baylor C. of Medicine | 47 | 315,101 | 0 | 0 | 315,101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Utah | 48 | 314,023 | 23,621 | 11,112 | 202,404 | 2,452 | 19,006 | 4,900 | 8,098 | 121 | 34,915 | 7,394 |
| Rutgers, State U. New Jersey, New Brunswick | 49 | 311,743 | 4,851 | 16,060 | 218,451 | 6,214 | 12,991 | 3,961 | 1,308 | 21 | 40,629 | 7,257 |
| U. Virginia, Charlottesville | 50 | 300,348 | 20,924 | 4,059 | 186,706 | 1,125 | 19,333 | 4,395 | 3,246 | 1,187 | 41,454 | 17,919 |
| U. Rochester | 51 | 296,241 | 3,383 | 2,392 | 173,198 | 185 | 94,572 | 4,341 | 234 | 4,085 | 12,764 | 1,087 |
| Colorado State U., Fort Collins | 52 | 287,100 | 3,645 | 55,722 | 160,153 | 3,768 | 7,884 | 3,000 | 8,715 | 3,116 | 30,860 | 10,237 |
| U. Cincinnati | 53 | 285,899 | 123 | 304 | 263,035 | 665 | 4,041 | 1,068 | 2,376 | 0 | 11,447 | 2,840 |
| Arizona State U. | 54 | 278,150 | 15,176 | 54,650 | 51,775 | 2,728 | 12,385 | 9,253 | 21,158 | 15,131 | 80,121 | 15,773 |
| Purdue U., West Lafayette | 55 | 270,605 | 20,261 | 4,079 | 76,677 | 1,609 | 21,579 | 4,932 | 5,955 | 80 | 122,469 | 12,964 |
| U. Iowa | 56 | 259,639 | 2,673 | 673 | 202,824 | 340 | 18,913 | 7,028 | 2,393 | 86 | 20,687 | 4,022 |
| Scripps Research Institute | 57 | 243,502 | 0 | 0 | 243,502 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Texas Southwestern Medical Center | 58 | 242,679 | 0 | 0 | 242,679 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Utah State U. | 59 | 242,156 | 1,543 | 67 | 24,904 | 268 | 3,982 | 2,430 | 1,241 | 0 | 206,998 | 723 |
| U. California, Irvine | 60 | 241,734 | 10,957 | 9,301 | 142,756 | 4,069 | 26,725 | 2,909 | 1,829 | 0 | 27,421 | 15,767 |
| Uniformed Services U. of the Health Sciences | 61 | 235,202 | 0 | 0 | 229,498 | 0 | 0 | 5,704 | 0 | 0 | 0 | 0 |
| North Carolina State U. | 62 | 232,110 | 11,737 | 13,202 | 68,962 | 11,947 | 13,657 | 1,236 | 3,537 | 9,094 | 94,592 | 4,146 |
| U. Miami | 63 | 224,184 | 91 | 39,430 | 167,153 | 301 | 4,172 | 10,048 | 451 | 0 | 2,128 | 410 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Illinois, Chicago | 64 | 223,030 | 7,580 | 567 | 173,236 | 2,407 | 10,533 | 2,253 | 1,549 | 328 | 17,537 | 7,040 |
| Carnegie Mellon U. | 65 | 217,625 | 119,057 | 440 | 9,523 | 3,183 | 11,165 | 9,841 | 4,678 | 3,419 | 56,175 | 144 |
| Virginia Polytechnic Institute and State U. | 66 | 210,792 | 11,637 | 1,619 | 64,084 | 3,308 | 13,854 | 2,338 | 4,272 | 163 | 107,677 | 1,840 |
| Albert Einstein C. of Medicine | 67 | 204,635 | 0 | 0 | 204,635 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Princeton U. | 68 | 203,259 | 14,612 | 16,105 | 53,867 | 5,657 | 60,336 | 5,239 | 5,802 | 0 | 40,829 | 812 |
| U. Kentucky | 69 | 200,664 | 1,554 | 1,466 | 154,842 | 1,088 | 6,785 | 2,882 | 1,146 | 1,267 | 26,818 | 2,816 |
| SUNY, U. Buffalo | 70 | 200,155 | 10,894 | 2,537 | 108,496 | 597 | 7,195 | 3,537 | 1,433 | 0 | 61,140 | 4,326 |
| U. Massachusetts, Medical School | 71 | 192,938 | 0 | 0 | 192,938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Woods Hole Oceanographic Institution | 72 | 191,186 | 0 | 115,744 | 0 | 0 | 0 | 0 | 0 | 0 | 75,442 | 0 |
| U. Texas M. D. Anderson Cancer Center | 73 | 186,488 | 0 | 0 | 163,540 | 8,853 | 8,114 | 3,013 | 2,968 | 0 | 0 | 0 |
| Brown U. | 74 | 185,676 | 10,937 | 3,436 | 99,779 | 9,117 | 11,133 | 7,262 | 17,975 | 6,403 | 17,138 | 2,496 |
| U. Kansas | 75 | 185,007 | 2,887 | 4,622 | 113,305 | 649 | 6,488 | 5,579 | 4,390 | 238 | 13,829 | 33,020 |
| U. Oklahoma, Norman and Health Science Center | 76 | 183,728 | 1,285 | 64,742 | 72,245 | 361 | 11,446 | 987 | 13,505 | 0 | 15,069 | 4,088 |
| U. Georgia | 77 | 171,351 | 1,105 | 6,304 | 124,753 | 1,545 | 4,815 | 15,401 | 6,118 | 98 | 7,208 | 4,004 |
| Oregon State U. | 78 | 167,494 | 6,218 | 33,730 | 70,516 | 1,108 | 4,523 | 947 | 3,220 | 5,438 | 35,946 | 5,848 |
| Wake Forest U. | 79 | 166,596 | 59 | 0 | 164,482 | 134 | 1,499 | 86 | 12 | 0 | 208 | 116 |
| Iowa State U. | 80 | 165,912 | 4,815 | 2,890 | 60,272 | 10,785 | 17,815 | 890 | 1,186 | 131 | 62,369 | 4,759 |
| U. Connecticut | 81 | 164,848 | 3,194 | 7,020 | 93,227 | 1,361 | 8,124 | 13,270 | 3,621 | 496 | 30,450 | 4,085 |
| U. Hawaii, Manoa | 82 | 163,694 | 11,055 | 47,728 | 62,548 | 457 | 19,021 | 315 | 1,606 | 2,825 | 17,536 | 603 |
| Florida State U. | 83 | 162,296 | 3,969 | 8,871 | 34,311 | 2,096 | 42,211 | 9,763 | 1,463 | 419 | 38,126 | 21,067 |
| U. New Mexico | 84 | 161,627 | 2,876 | 6,249 | 94,977 | 1,337 | 7,146 | 5,505 | 4,420 | 2,219 | 34,153 | 2,745 |
| U. South Florida, Tampa | 85 | 158,958 | 2,582 | 10,327 | 89,644 | 948 | 5,306 | 928 | 14,278 | 0 | 18,073 | 16,872 |
| George Washington U. | 86 | 157,533 | 3,135 | 243 | 117,325 | 631 | 5,366 | 2,257 | 8,955 | 1,023 | 15,091 | 3,507 |
| U. Missouri, Columbia | 87 | 156,190 | 3,674 | 924 | 99,475 | 1,017 | 7,654 | 6,323 | 450 | 607 | 16,905 | 19,161 |
| Washington State U. | 88 | 154,623 | 4,027 | 5,323 | 84,222 | 289 | 14,813 | 1,813 | 4,140 | 36 | 20,360 | 19,600 |
| Temple U. | 89 | 154,600 | 2,496 | 410 | 118,429 | 923 | 10,820 | 6,930 | 1,614 | 184 | 4,758 | 8,036 |
| U. Dayton | 90 | 154,101 | 5,964 | 352 | 542 | 0 | 849 | 0 | 0 | 0 | 145,508 | 886 |
| Medical U. South Carolina | 91 | 153,802 | 0 | 0 | 153,802 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virginia Commonwealth U. | 92 | 152,751 | 1,584 | 280 | 108,867 | 609 | 2,194 | 9,648 | 305 | 0 | 11,779 | 17,485 |
| Tufts U. | 93 | 148,320 | 4,128 | 230 | 102,746 | 2,852 | 6,118 | 2,074 | 1,200 | 5,728 | 20,397 | 2,847 |
| SUNY, Stony Brook U. | 94 | 146,478 | 8,530 | 10,824 | 66,263 | 5,006 | 30,902 | 3,725 | 804 | 4,143 | 15,329 | 952 |
| U. Delaware | 95 | 144,142 | 5,643 | 10,785 | 34,456 | 1,565 | 19,931 | 5,755 | 6,459 | 1,640 | 53,448 | 4,460 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Dartmouth C. and Dartmouth Hitchcock Medical Center | 96 | 142,219 | 5,114 | 1,203 | 94,419 | 1,030 | 7,751 | 9,013 | 835 | 611 | 21,064 | 1,179 |
| U. Tennessee, Knoxville ^c | 97 | 138,402 | 11,049 | 2,644 | 30,983 | 642 | 12,121 | 1,882 | 1,645 | 9,213 | 66,562 | 1,661 |
| Northeastern U. | 98 | 136,273 | 17,176 | 2,235 | 20,238 | 685 | 13,194 | 6,922 | 4,688 | 0 | 66,614 | 4,521 |
| U. Texas Health Science Center, Houston Medical C. Wisconsin | 99 | 133,624 | 0 | 0 | 133,624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. California, Santa Barbara | 100 | 128,783 | 0 | 0 | 122,394 | 0 | 0 | 0 | 0 | 0 | 6,389 | 0 |
| U. California, Santa Barbara | 101 | 123,198 | 5,973 | 16,190 | 12,927 | 944 | 36,695 | 3,807 | 1,238 | 6 | 43,340 | 2,078 |
| Mississippi State U. | 102 | 120,616 | 1,749 | 13,635 | 37,520 | 172 | 2,267 | 491 | 17,297 | 442 | 45,520 | 1,523 |
| U. Massachusetts, Amherst | 103 | 116,170 | 16,804 | 2,803 | 36,163 | 2,093 | 18,261 | 5,429 | 2,031 | 327 | 28,635 | 3,624 |
| U. Central Florida | 104 | 114,575 | 18,095 | 1,768 | 13,481 | 780 | 18,976 | 7,631 | 1,439 | 142 | 35,514 | 16,749 |
| U. Texas Medical Branch | 105 | 114,103 | 0 | 0 | 113,827 | 0 | 0 | 0 | 0 | 0 | 276 | 0 |
| Wayne State U. | 106 | 113,137 | 1,066 | 129 | 89,306 | 1,184 | 9,101 | 802 | 474 | 527 | 5,947 | 4,601 |
| U. Nebraska, Lincoln | 107 | 107,299 | 4,420 | 1,331 | 48,702 | 1,254 | 15,583 | 5,396 | 6,959 | 0 | 21,149 | 2,505 |
| Tulane U. | 108 | 107,290 | 1,803 | 1,796 | 92,019 | 441 | 3,343 | 1,589 | 2,175 | 0 | 4,050 | 74 |
| U. Nebraska, Medical Center | 109 | 105,158 | 0 | 0 | 105,158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Alabama, Huntsville | 110 | 104,288 | 35,309 | 14,123 | 622 | 2 | 9,595 | 0 | 1,449 | 0 | 42,499 | 689 |
| George Mason U. | 111 | 104,070 | 21,728 | 9,390 | 8,803 | 1,008 | 4,656 | 1,696 | 6,074 | 0 | 45,977 | 4,738 |
| U. Notre Dame | 112 | 104,030 | 8,265 | 0 | 11,155 | 3,063 | 28,853 | 3,845 | 1,391 | 1,400 | 41,771 | 4,287 |
| Florida International U. | 113 | 103,366 | 9,863 | 9,463 | 23,279 | 138 | 11,642 | 18,163 | 2,885 | 578 | 21,747 | 5,608 |
| U. Texas Health Science Center, San Antonio | 114 | 102,959 | 0 | 0 | 102,959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Alaska, Fairbanks | 115 | 101,414 | 820 | 54,408 | 14,391 | 321 | 9,919 | 367 | 1,538 | 5,810 | 11,998 | 1,842 |
| U. New Hampshire | 116 | 100,373 | 576 | 41,304 | 30,725 | 339 | 3,335 | 601 | 6,208 | 0 | 11,466 | 5,819 |
| Georgetown U. | 117 | 98,682 | 3,947 | 0 | 77,133 | 0 | 7,424 | 1,358 | 6,531 | 1,745 | 0 | 544 |
| U. Vermont | 118 | 97,981 | 911 | 1,471 | 81,752 | 247 | 2,710 | 1,641 | 272 | 3,819 | 4,853 | 305 |
| U. South Carolina, Columbia | 119 | 97,143 | 1,999 | 3,889 | 53,870 | 1,185 | 2,264 | 5,018 | 7,078 | 0 | 15,010 | 6,830 |
| Montana State U., Bozeman | 120 | 93,759 | 1,149 | 3,123 | 33,155 | 1,281 | 10,794 | 114 | 289 | 6,302 | 28,753 | 8,799 |
| U. California, Riverside | 121 | 92,503 | 5,999 | 4,821 | 41,696 | 1,120 | 14,276 | 2,189 | 917 | 2,183 | 17,034 | 2,268 |
| Rice U. | 122 | 88,768 | 7,698 | 2,747 | 8,540 | 3,742 | 16,313 | 3,320 | 1,719 | 511 | 42,085 | 2,093 |
| U. Louisville | 123 | 88,251 | 0 | 169 | 71,342 | 84 | 1,446 | 725 | 783 | 0 | 9,077 | 4,625 |
| Louisiana State U., Baton Rouge | 124 | 87,895 | 5,502 | 8,178 | 45,823 | 2,241 | 13,295 | 180 | 1,272 | 216 | 10,268 | 920 |
| Rockefeller U. | 125 | 86,280 | 0 | 466 | 82,626 | 306 | 2,882 | 0 | 0 | 0 | 0 | 0 |
| New Jersey Institute of Technology | 126 | 85,746 | 3,428 | 0 | 14,836 | 1,726 | 8,354 | 0 | 283 | 2 | 53,702 | 3,415 |
| Drexel U. | 127 | 82,576 | 2,885 | 0 | 49,999 | 452 | 1,582 | 1,979 | 1,057 | 239 | 19,772 | 4,611 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|-------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Mississippi | 128 | 82,361 | 101 | 617 | 59,546 | 47 | 7,993 | 0 | 179 | 18 | 12,422 | 1,438 |
| Clemson U. | 129 | 82,203 | 2,355 | 0 | 21,908 | 1,548 | 6,157 | 416 | 3,840 | 0 | 38,214 | 7,765 |
| U. Oregon | 130 | 81,278 | 4,228 | 5,073 | 29,342 | 853 | 9,034 | 15,759 | 1,893 | 0 | 0 | 15,096 |
| West Virginia U. | 131 | 79,657 | 1,646 | 6,352 | 41,367 | 369 | 8,805 | 1,195 | 1,272 | 519 | 15,930 | 2,202 |
| Kansas State U. | 132 | 79,100 | 1,844 | 627 | 43,367 | 230 | 8,746 | 3,998 | 4,175 | 647 | 12,530 | 2,936 |
| Georgia State U. | 133 | 78,199 | 1,531 | 575 | 35,718 | 1,148 | 13,754 | 4,236 | 5,873 | 0 | 0 | 15,364 |
| U. California, Santa Cruz | 134 | 76,468 | 2,199 | 15,234 | 16,914 | 161 | 17,723 | 98 | 667 | 0 | 22,817 | 655 |
| Thomas Jefferson U. | 135 | 74,676 | 0 | 0 | 74,594 | 0 | 0 | 0 | 0 | 0 | 59 | 23 |
| Auburn U., Auburn | 136 | 73,468 | 1,740 | 1,003 | 29,821 | 332 | 6,866 | 659 | 2,573 | 1,054 | 28,796 | 624 |
| U. Houston | 137 | 71,779 | 2,546 | 2,948 | 18,438 | 3,015 | 6,336 | 9,765 | 478 | 532 | 24,929 | 2,792 |
| U. Arkansas for Medical Sciences | 138 | 70,508 | 0 | 0 | 70,508 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Rhode Island | 139 | 67,242 | 465 | 25,349 | 21,040 | 0 | 2,579 | 705 | 1,518 | 7,265 | 6,939 | 1,382 |
| SUNY, U. Albany | 140 | 67,039 | 2,739 | 6,953 | 45,162 | 196 | 3,917 | 1,148 | 5,008 | 0 | 1,039 | 877 |
| Rush U. | 141 | 65,343 | 0 | 0 | 63,438 | 0 | 0 | 1,905 | 0 | 0 | 0 | 0 |
| U. Nevada, Reno | 142 | 64,793 | 3,390 | 6,910 | 33,564 | 805 | 4,702 | 2,469 | 2,237 | 86 | 9,664 | 966 |
| Cold Spring Harbor Laboratory | 143 | 62,215 | 0 | 0 | 62,068 | 0 | 0 | 0 | 0 | 0 | 0 | 147 |
| U. Montana, Missoula | 144 | 62,067 | 1,371 | 3,195 | 45,895 | 734 | 5,428 | 327 | 1,795 | 0 | 0 | 3,322 |
| New Mexico State U. | 145 | 60,971 | 3,869 | 3,870 | 17,602 | 151 | 18,373 | 229 | 341 | 38 | 15,583 | 915 |
| U. Maryland, Baltimore County | 146 | 59,391 | 6,765 | 12,497 | 8,644 | 368 | 17,092 | 1,219 | 5,801 | 1,141 | 4,651 | 1,213 |
| U. Wyoming | 147 | 57,353 | 541 | 10,107 | 31,367 | 1,155 | 1,206 | 664 | 295 | 6,103 | 4,640 | 1,275 |
| U. Texas, Dallas | 148 | 55,983 | 6,289 | 163 | 16,603 | 668 | 9,295 | 20 | 577 | 16 | 21,594 | 758 |
| Augusta U. | 149 | 55,797 | 28 | 0 | 55,685 | 13 | 0 | 68 | 3 | 0 | 0 | 0 |
| Colorado School of Mines | 150 | 55,560 | 3,461 | 4,424 | 1,784 | 571 | 9,353 | 0 | 850 | 0 | 33,432 | 1,685 |
| U. Maine | 151 | 54,376 | 629 | 9,064 | 19,256 | 65 | 1,868 | 243 | 121 | 3,471 | 18,038 | 1,621 |
| Cleveland State U. | 152 | 53,756 | 0 | 0 | 40,809 | 232 | 716 | 69 | 353 | 0 | 11,055 | 522 |
| Wichita State U. | 153 | 53,540 | 0 | 11 | 2,632 | 72 | 912 | 375 | 17 | 0 | 46,023 | 3,498 |
| Rensselaer Polytechnic Institute | 154 | 52,150 | 4,377 | 1,673 | 4,483 | 1,480 | 4,184 | 2,676 | 101 | 0 | 28,960 | 4,216 |
| Naval Postgraduate School | 155 | 51,870 | 4,608 | 6,300 | 1,655 | 1,867 | 8,513 | 0 | 4,623 | 998 | 20,145 | 3,161 |
| U. Idaho | 156 | 51,450 | 985 | 1,662 | 33,427 | 120 | 771 | 199 | 3,073 | 1,205 | 8,376 | 1,632 |
| U. Tennessee, Health Science Center | 157 | 48,264 | 0 | 0 | 48,264 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Arkansas, Fayetteville | 158 | 47,454 | 1,753 | 2,460 | 16,887 | 71 | 4,452 | 135 | 1,364 | 0 | 18,074 | 2,258 |
| U. Texas, Arlington | 159 | 44,950 | 2,817 | 322 | 7,558 | 748 | 8,422 | 84 | 43 | 0 | 22,163 | 2,793 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. North Dakota | 160 | 44,153 | 336 | 3,730 | 15,954 | 0 | 739 | 268 | 66 | 598 | 20,330 | 2,132 |
| U. Alabama, Tuscaloosa | 161 | 43,017 | 4,044 | 1,168 | 4,483 | 226 | 4,720 | 1,329 | 1,549 | 0 | 19,679 | 5,819 |
| U. Southern Mississippi | 162 | 42,870 | 114 | 21,092 | 7,241 | 195 | 8,527 | 0 | 2,799 | 0 | 1,823 | 1,079 |
| Brandeis U. | 163 | 41,440 | 1,561 | 12 | 21,616 | 401 | 7,218 | 3,125 | 6,882 | 0 | 0 | 625 |
| U. Massachusetts, Lowell | 164 | 41,304 | 4,051 | 1,399 | 4,573 | 0 | 11,202 | 921 | 3,021 | 0 | 14,870 | 1,267 |
| San Diego State U. | 165 | 41,117 | 636 | 1,093 | 15,009 | 907 | 2,992 | 13,516 | 997 | 48 | 3,851 | 2,068 |
| U. Louisiana, Lafayette | 166 | 40,044 | 1,050 | 1,050 | 19,960 | 91 | 208 | 0 | 0 | 3 | 3,557 | 14,125 |
| Oklahoma State U., Stillwater | 167 | 39,873 | 371 | 763 | 17,865 | 569 | 2,870 | 2,900 | 343 | 769 | 11,969 | 1,454 |
| Northern Arizona U. | 168 | 39,387 | 698 | 5,975 | 24,039 | 0 | 3,147 | 589 | 212 | 183 | 3,649 | 895 |
| U. Texas, El Paso | 169 | 39,126 | 5,639 | 1,251 | 10,414 | 1,270 | 4,257 | 1,603 | 1,054 | 195 | 11,812 | 1,631 |
| Michigan Technological U. | 170 | 36,172 | 1,054 | 8,015 | 1,300 | 359 | 1,282 | 130 | 440 | 0 | 23,332 | 260 |
| Wright State U. | 171 | 35,321 | 871 | 127 | 8,029 | 72 | 1,369 | 1,303 | 0 | 0 | 23,496 | 54 |
| Saint Louis U. | 172 | 34,419 | 578 | 774 | 29,211 | 266 | 1,302 | 300 | 183 | 0 | 1,549 | 256 |
| U. Texas, San Antonio | 173 | 34,334 | 5,470 | 991 | 10,733 | 115 | 4,702 | 2,836 | 1,596 | 108 | 5,961 | 1,822 |
| San Jose State U. | 174 | 34,102 | 0 | 7,847 | 1,268 | 0 | 2,035 | 19,256 | 80 | 0 | 1,575 | 2,041 |
| U.S. Air Force Academy | 175 | 33,554 | 490 | 0 | 0 | 0 | 2,714 | 0 | 292 | 0 | 29,812 | 246 |
| Stevens Institute of Technology | 176 | 33,461 | 3,454 | 2,846 | 3 | 0 | 1,648 | 0 | 0 | 284 | 23,906 | 1,320 |
| Florida A&M U. | 177 | 33,136 | 90 | 5,329 | 18,174 | 0 | 1,366 | 242 | 0 | 329 | 4,492 | 3,114 |
| Syracuse U. | 178 | 31,861 | 1,266 | 1,334 | 5,108 | 300 | 7,140 | 1,585 | 3,007 | 102 | 7,696 | 4,323 |
| Indiana U.-Purdue U., Indianapolis | 179 | 31,622 | 3,307 | 679 | 11,548 | 460 | 1,374 | 4,047 | 3,292 | 1,026 | 4,369 | 1,520 |
| North Dakota State U. | 180 | 31,614 | 463 | 139 | 17,605 | 150 | 2,853 | 1,078 | 4,244 | 1,492 | 3,085 | 505 |
| Mercer U. | 181 | 31,572 | 15 | 0 | 1,912 | 0 | 0 | 0 | 20 | 0 | 29,625 | 0 |
| Texas Tech U. | 182 | 31,475 | 1,160 | 3,340 | 4,978 | 239 | 4,217 | 882 | 470 | 0 | 14,399 | 1,790 |
| Louisiana State U., Health Sciences Center, New Orleans | 183 | 31,381 | 0 | 0 | 31,381 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portland State U. | 184 | 31,315 | 996 | 1,784 | 11,523 | 794 | 1,937 | 1,652 | 1,476 | 477 | 4,113 | 6,563 |
| Boston C. | 185 | 31,038 | 411 | 3,871 | 7,119 | 1,064 | 7,098 | 2,343 | 3,307 | 0 | 0 | 5,825 |
| William & Mary | 186 | 30,436 | 1,881 | 12,158 | 1,499 | 242 | 4,428 | 234 | 5,018 | 0 | 0 | 4,976 |
| Old Dominion U. | 187 | 30,330 | 874 | 2,793 | 4,053 | 952 | 4,601 | 828 | 1,001 | 0 | 11,802 | 3,426 |
| CUNY, City C. | 188 | 30,106 | 803 | 1,578 | 4,054 | 313 | 7,007 | 579 | 0 | 0 | 15,704 | 68 |
| Howard U. | 189 | 29,256 | 655 | 225 | 15,752 | 0 | 4,381 | 1,280 | 251 | 0 | 6,241 | 471 |
| U. Nevada, Las Vegas | 190 | 29,252 | 314 | 3,541 | 14,582 | 15 | 4,073 | 240 | 249 | 227 | 4,946 | 1,065 |
| Rochester Institute of Technology | 191 | 28,092 | 5,556 | 0 | 668 | 1,503 | 7,787 | 43 | 557 | 0 | 7,965 | 4,013 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| SUNY, Polytechnic Institute | 192 | 27,998 | 0 | 0 | 1,297 | 0 | 0 | 0 | 0 | 0 | 26,696 | 5 |
| U. Toledo | 193 | 27,770 | 0 | 3,227 | 12,830 | 36 | 5,136 | 50 | 212 | 0 | 5,921 | 358 |
| U. North Carolina, Charlotte | 194 | 27,618 | 8,343 | 666 | 2,239 | 820 | 2,878 | 284 | 2,252 | 0 | 8,853 | 1,283 |
| U. Massachusetts, Boston | 195 | 27,575 | 525 | 1,478 | 4,525 | 14 | 2,239 | 2,198 | 3,481 | 0 | 547 | 12,568 |
| U. Puerto Rico, Medical Sciences Campus | 196 | 27,033 | 0 | 136 | 26,897 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas State U. | 197 | 26,950 | 768 | 2,870 | 2,260 | 799 | 1,798 | 94 | 3,931 | 32 | 746 | 13,652 |
| Boise State U. | 198 | 26,914 | 1,216 | 2,730 | 7,021 | 904 | 2,678 | 154 | 1,884 | 289 | 8,245 | 1,793 |
| Lehigh U. | 199 | 26,816 | 1,521 | 1,258 | 3,834 | 194 | 2,166 | 396 | 0 | 0 | 16,205 | 1,242 |
| SUNY, Downstate Medical Center | 200 | 26,454 | 0 | 0 | 26,454 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Worcester Polytechnic Institute | 201 | 26,074 | 7,300 | 0 | 954 | 799 | 1,603 | 0 | 1,580 | 0 | 13,084 | 754 |
| CUNY, Hunter C. | 202 | 26,025 | 1,474 | 219 | 5,303 | 114 | 3,552 | 12,455 | 521 | 0 | 0 | 2,387 |
| U. North Texas, Health Science Center | 203 | 25,917 | 0 | 0 | 25,461 | 0 | 0 | 0 | 456 | 0 | 0 | 0 |
| U. Wisconsin-Milwaukee | 204 | 25,354 | 93 | 1,862 | 5,581 | 3,820 | 5,010 | 3,125 | 2,273 | 9 | 2,940 | 641 |
| U. Denver | 205 | 24,753 | 99 | 145 | 2,721 | 68 | 3,373 | 4,092 | 1,944 | 0 | 2,109 | 10,202 |
| Brigham Young U., Provo | 206 | 24,632 | 1,199 | 122 | 4,659 | 331 | 4,133 | 219 | 688 | 0 | 11,438 | 1,843 |
| SUNY, Binghamton U. | 207 | 24,564 | 2,734 | 196 | 2,273 | 85 | 7,642 | 3,526 | 1,045 | 0 | 6,526 | 537 |
| Illinois Institute of Technology | 208 | 24,244 | 2,708 | 356 | 8,605 | 389 | 2,734 | 0 | 88 | 42 | 9,230 | 92 |
| Loyola U., Chicago | 209 | 24,018 | 139 | 0 | 21,189 | 164 | 610 | 935 | 240 | 0 | 0 | 741 |
| SUNY, Upstate Medical U. | 210 | 23,940 | 0 | 0 | 23,940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida Atlantic U. | 211 | 23,695 | 1,309 | 307 | 11,087 | 519 | 1,317 | 1,167 | 126 | 0 | 6,955 | 908 |
| U. Nebraska, central administration | 212 | 23,104 | 1,385 | 0 | 12,521 | 0 | 0 | 0 | 0 | 0 | 8,340 | 858 |
| New Mexico Institute of Mining and Technology | 213 | 22,922 | 2,748 | 6,328 | 255 | 50 | 1,348 | 0 | 0 | 0 | 11,869 | 324 |
| Missouri U. of Science and Technology | 214 | 22,860 | 1,337 | 0 | 130 | 218 | 4,591 | 134 | 32 | 0 | 16,411 | 7 |
| Air Force Institute of Technology | 215 | 22,854 | 1,656 | 490 | 0 | 497 | 4,973 | 0 | 0 | 0 | 15,238 | 0 |
| South Dakota State U. | 216 | 22,531 | 0 | 602 | 16,767 | 262 | 1,058 | 145 | 879 | 0 | 2,674 | 144 |
| Catholic U. of America | 217 | 22,503 | 0 | 0 | 1,660 | 0 | 17,261 | 237 | 98 | 63 | 2,925 | 259 |
| Morehouse School of Medicine | 218 | 22,500 | 0 | 0 | 22,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina Agricultural and Technical State U. | 219 | 22,338 | 1,567 | 26 | 6,945 | 748 | 1,163 | 12 | 45 | 0 | 8,664 | 3,168 |
| U. Missouri, Kansas City | 220 | 22,320 | 399 | 151 | 13,054 | 0 | 1,102 | 288 | 25 | 0 | 6,902 | 399 |
| U. South Alabama | 221 | 21,825 | 3,705 | 2,048 | 12,175 | 79 | 363 | 39 | 326 | 0 | 2,624 | 466 |
| U. North Carolina, Greensboro | 222 | 20,447 | 323 | 0 | 5,045 | 167 | 2,612 | 2,188 | 244 | 0 | 0 | 9,868 |
| East Carolina U. | 223 | 20,168 | 213 | 1,051 | 12,296 | 0 | 1,135 | 690 | 832 | 0 | 366 | 3,585 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. California, Merced | 224 | 20,000 | 116 | 1,783 | 3,874 | 2,472 | 4,891 | 204 | 405 | 0 | 5,760 | 495 |
| Van Andel Research Institute | 225 | 18,538 | 0 | 0 | 18,538 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Memphis | 226 | 18,063 | 4,277 | 1,887 | 3,520 | 493 | 1,100 | 1,164 | 973 | 0 | 2,513 | 2,136 |
| Southern Methodist U. | 227 | 17,752 | 290 | 4,026 | 1,061 | 961 | 2,855 | 1,150 | 113 | 0 | 5,103 | 2,193 |
| Loma Linda U. | 228 | 17,457 | 0 | 0 | 17,457 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California State U., Northridge | 229 | 17,261 | 201 | 1,514 | 5,678 | 901 | 4,750 | 455 | 464 | 1,589 | 926 | 783 |
| San Francisco State U. | 230 | 16,331 | 149 | 1,501 | 9,325 | 322 | 1,274 | 315 | 1,309 | 1,201 | 387 | 548 |
| Rutgers, State U. New Jersey, Newark | 231 | 16,196 | 2,269 | 1,372 | 7,681 | 0 | 1,436 | 1,293 | 574 | 100 | 0 | 1,471 |
| American U. | 232 | 16,123 | 264 | 216 | 531 | 370 | 3,401 | 702 | 6,887 | 1,120 | 0 | 2,632 |
| U. Puerto Rico, Mayaguez | 233 | 15,842 | 0 | 3,896 | 1,426 | 25 | 904 | 0 | 163 | 0 | 9,428 | 0 |
| Desert Research Institute | 234 | 15,791 | 0 | 15,748 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Virginia Medical School | 235 | 15,748 | 0 | 0 | 15,748 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rowan U. | 236 | 15,551 | 256 | 227 | 6,151 | 0 | 407 | 397 | 222 | 0 | 7,616 | 275 |
| Ohio U. | 237 | 15,543 | 103 | 677 | 5,296 | 76 | 3,467 | 1,224 | 169 | 0 | 4,454 | 77 |
| U. Maryland Center for Environmental Science | 238 | 15,498 | 0 | 8,462 | 5,850 | 0 | 174 | 0 | 59 | 35 | 42 | 876 |
| U. Alaska, Anchorage | 239 | 15,290 | 150 | 6,432 | 4,779 | 0 | 154 | 181 | 1,564 | 1,224 | 644 | 162 |
| Tuskegee U. | 240 | 15,122 | 409 | 0 | 6,837 | 1,240 | 166 | 0 | 2,109 | 184 | 4,177 | 0 |
| Kent State U. | 241 | 15,004 | 605 | 439 | 3,056 | 300 | 3,715 | 2,684 | 949 | 380 | 1,278 | 1,598 |
| Morgan State U. | 242 | 14,101 | 519 | 3,351 | 4,679 | 105 | 393 | 82 | 40 | 0 | 4,847 | 85 |
| U. Puerto Rico, Rio Piedras | 243 | 14,071 | 75 | 3,108 | 2,911 | 102 | 3,427 | 0 | 127 | 3,747 | 270 | 304 |
| Jackson State U. | 244 | 13,662 | 418 | 189 | 1,848 | 84 | 9,305 | 25 | 34 | 395 | 1,262 | 102 |
| U. North Texas, Denton | 245 | 13,653 | 1,262 | 873 | 2,446 | 202 | 2,329 | 900 | 202 | 0 | 3,805 | 1,634 |
| U. Hawaii, system office | 246 | 13,367 | 1,694 | 11,673 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas A&M U.-Corpus Christi | 247 | 13,349 | 204 | 3,609 | 4,521 | 0 | 1,250 | 0 | 58 | 11 | 2,800 | 896 |
| Marquette U. | 248 | 13,187 | 324 | 0 | 5,298 | 1,217 | 1,649 | 202 | 0 | 0 | 4,291 | 206 |
| Western Michigan U. and Homer Stryker M.D. School of Medicine | 248 | 13,187 | 131 | 346 | 2,291 | 9 | 844 | 88 | 83 | 2 | 1,580 | 7,813 |
| U. Texas Rio Grande Valley | 250 | 13,093 | 252 | 745 | 7,403 | 196 | 2,215 | 0 | 10 | 8 | 1,761 | 503 |
| Texas Tech U., Health Sciences Center | 251 | 13,043 | 0 | 0 | 12,977 | 0 | 0 | 0 | 0 | 0 | 0 | 66 |
| U. South Dakota | 252 | 13,034 | 665 | 0 | 9,733 | 0 | 1,968 | 80 | 13 | 0 | 440 | 135 |
| Albany Medical C. | 253 | 12,940 | 0 | 0 | 12,940 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Carolina Central U. | 254 | 12,787 | 12 | 264 | 6,664 | 0 | 2,888 | 0 | 126 | 0 | 1,929 | 904 |
| Southern Illinois U., Carbondale | 255 | 12,735 | 33 | 593 | 9,899 | 0 | 1,270 | 114 | 94 | 552 | 180 | 0 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| CUNY, Queens C. | 256 | 12,726 | 135 | 322 | 9,378 | 160 | 1,041 | 1,087 | 85 | 0 | 0 | 518 |
| Delaware State U. | 257 | 12,689 | 0 | 161 | 8,480 | 474 | 1,683 | 0 | 175 | 194 | 1,269 | 253 |
| U.S. Naval Academy | 258 | 12,577 | 1,413 | 771 | 0 | 799 | 2,096 | 0 | 0 | 0 | 7,202 | 296 |
| Meharry Medical C. | 259 | 12,573 | 0 | 0 | 12,573 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. West Florida | 260 | 12,369 | 460 | 322 | 548 | 0 | 423 | 113 | 0 | 0 | 196 | 10,307 |
| Missouri State U. | 261 | 12,310 | 48 | 72 | 1,349 | 0 | 380 | 24 | 263 | 0 | 10,096 | 78 |
| New York Medical C. | 262 | 12,106 | 0 | 0 | 12,106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California State U., Long Beach | 263 | 12,014 | 42 | 492 | 3,635 | 673 | 2,502 | 1,410 | 363 | 196 | 2,533 | 168 |
| U. of the Virgin Islands | 264 | 11,787 | 148 | 2,990 | 5,976 | 694 | 908 | 0 | 228 | 0 | 834 | 9 |
| U. Baltimore | 265 | 11,748 | 10 | 0 | 0 | 0 | 45 | 0 | 969 | 0 | 0 | 10,724 |
| California State U., San Marcos | 266 | 11,547 | 987 | 0 | 896 | 82 | 1,667 | 967 | 757 | 2,546 | 2,408 | 1,237 |
| Embry-Riddle Aeronautical U. | 267 | 11,542 | 406 | 807 | 17 | 23 | 1,859 | 0 | 336 | 0 | 7,943 | 151 |
| Louisiana State U., Health Sciences Center, Shreveport | 268 | 11,452 | 0 | 0 | 11,452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hampton U. | 269 | 11,278 | 699 | 3,454 | 1,745 | 226 | 3,142 | 0 | 710 | 0 | 866 | 436 |
| Ponce Health Sciences U. | 270 | 11,228 | 0 | 0 | 11,228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marshall U. | 271 | 11,078 | 254 | 201 | 10,082 | 0 | 99 | 0 | 0 | 0 | 434 | 8 |
| Florida Institute of Technology | 272 | 10,999 | 3,223 | 780 | 423 | 71 | 2,109 | 537 | 0 | 0 | 3,305 | 551 |
| Northeast Ohio Medical U. | 273 | 10,684 | 0 | 0 | 10,649 | 0 | 0 | 0 | 35 | 0 | 0 | 0 |
| South Dakota School of Mines and Technology | 274 | 10,659 | 49 | 0 | 0 | 339 | 1,384 | 0 | 0 | 0 | 8,887 | 0 |
| U. Akron | 275 | 10,574 | 0 | 202 | 837 | 60 | 4,238 | 57 | 19 | 0 | 5,096 | 65 |
| Miami U. | 276 | 10,473 | 298 | 872 | 4,845 | 139 | 408 | 1,212 | 388 | 0 | 667 | 1,644 |
| Nova Southeastern U. | 277 | 10,452 | 125 | 5,381 | 4,572 | 0 | 0 | 374 | 0 | 0 | 0 | 0 |
| California Polytechnic State U., San Luis Obispo | 278 | 10,178 | 362 | 963 | 2,989 | 2,430 | 1,202 | 0 | 481 | 0 | 1,338 | 413 |
| U. Nebraska, Omaha | 279 | 9,996 | 1,827 | 0 | 4,927 | 162 | 0 | 348 | 453 | 50 | 859 | 1,370 |
| Charles R. Drew U. of Medicine and Science | 280 | 9,863 | 0 | 0 | 9,863 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Guam | 281 | 9,722 | 0 | 2,585 | 6,625 | 0 | 0 | 0 | 154 | 0 | 0 | 358 |
| Xavier U. Louisiana | 282 | 9,680 | 87 | 0 | 2,371 | 0 | 7,077 | 28 | 0 | 0 | 65 | 52 |
| Texas A&M U.-Kingsville | 283 | 9,610 | 0 | 284 | 5,908 | 0 | 108 | 86 | 0 | 37 | 1,830 | 1,357 |
| Prairie View A&M U. | 284 | 9,249 | 292 | 5 | 5,164 | 0 | 489 | 0 | 0 | 0 | 3,184 | 115 |
| CUNY, Advanced Science Research Center | 285 | 9,208 | 0 | 56 | 4,166 | 0 | 3,018 | 0 | 0 | 0 | 1,968 | 0 |
| Langston U. | 286 | 9,004 | 0 | 0 | 8,473 | 2 | 109 | 0 | 0 | 0 | 0 | 420 |
| Baylor U. | 287 | 8,851 | 97 | 496 | 3,385 | 284 | 2,110 | 384 | 60 | 597 | 1,271 | 167 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| CUNY, Graduate School of Public Health and Health Policy | 288 | 8,722 | 0 | 0 | 7,444 | 0 | 0 | 1,278 | 0 | 0 | 0 | 0 |
| Illinois State U. | 289 | 8,719 | 23 | 394 | 2,405 | 119 | 511 | 0 | 187 | 0 | 0 | 5,080 |
| Tennessee State U. | 290 | 8,707 | 139 | 0 | 6,694 | 104 | 159 | 243 | 6 | 0 | 1,142 | 220 |
| Rosalind Franklin U. of Medicine and Science | 291 | 8,504 | 0 | 0 | 8,421 | 0 | 0 | 83 | 0 | 0 | 0 | 0 |
| U.S. Military Academy | 292 | 8,406 | 469 | 98 | 295 | 0 | 814 | 12 | 19 | 1,109 | 5,252 | 338 |
| California State U., Los Angeles | 293 | 8,380 | 0 | 0 | 1,747 | 10 | 4,255 | 25 | 1,245 | 0 | 806 | 292 |
| U. Maryland, Eastern Shore | 294 | 8,084 | 0 | 3,454 | 2,567 | 0 | 1,243 | 0 | 695 | 0 | 125 | 0 |
| Northern Illinois U. | 295 | 8,030 | 332 | 375 | 401 | 24 | 3,713 | 732 | 202 | 0 | 246 | 2,005 |
| Chapman U. | 296 | 7,850 | 0 | 206 | 4,431 | 0 | 1,655 | 842 | 136 | 0 | 43 | 537 |
| Idaho State U. | 297 | 7,849 | 651 | 1,248 | 1,949 | 0 | 889 | 247 | 218 | 0 | 2,491 | 156 |
| SUNY, C. of Environmental Science and Forestry | 298 | 7,809 | 23 | 493 | 6,831 | 0 | 136 | 0 | 25 | 52 | 158 | 91 |
| U. Texas Health Science Center, Tyler | 299 | 7,732 | 0 | 0 | 7,732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Edward's U. | 300 | 7,700 | 700 | 409 | 1,575 | 600 | 994 | 0 | 290 | 0 | 0 | 3,132 |
| Teachers C., Columbia U. | 301 | 7,614 | 1,284 | 0 | 1,856 | 0 | 0 | 618 | 3,856 | 0 | 0 | 0 |
| Creighton U. | 302 | 7,583 | 396 | 238 | 5,651 | 108 | 806 | 116 | 129 | 0 | 0 | 139 |
| Central Michigan U. | 303 | 7,450 | 0 | 177 | 4,396 | 52 | 2,044 | 309 | 130 | 237 | 84 | 21 |
| East Tennessee State U. | 304 | 7,329 | 0 | 0 | 6,785 | 123 | 315 | 40 | 14 | 0 | 52 | 0 |
| U. Arkansas, Little Rock | 305 | 7,289 | 2,691 | 0 | 2,187 | 0 | 828 | 0 | 4 | 0 | 950 | 629 |
| Louisiana Tech U. | 306 | 7,167 | 726 | 0 | 619 | 238 | 323 | 92 | 420 | 0 | 4,582 | 167 |
| Norfolk State U. | 307 | 7,148 | 4,921 | 0 | 114 | 48 | 726 | 0 | 0 | 0 | 1,312 | 27 |
| Clarkson U. | 308 | 7,095 | 421 | 21 | 496 | 571 | 767 | 0 | 16 | 0 | 4,584 | 219 |
| Alcorn State U. | 309 | 7,023 | 0 | 0 | 4,090 | 0 | 0 | 0 | 2,807 | 0 | 126 | 0 |
| U. North Carolina, Wilmington | 310 | 6,783 | 130 | 1,369 | 3,327 | 48 | 336 | 179 | 260 | 0 | 335 | 799 |
| U. Massachusetts, Dartmouth | 311 | 6,506 | 448 | 2,680 | 253 | 239 | 275 | 0 | 1 | 0 | 2,170 | 440 |
| Tennessee Technological U. | 312 | 6,471 | 1,364 | 22 | 1,282 | 0 | 914 | 0 | 0 | 0 | 2,756 | 133 |
| U. Minnesota, Duluth | 313 | 6,454 | 163 | 1,609 | 4,023 | 108 | 303 | 0 | 7 | 0 | 180 | 61 |
| Bowling Green State U. | 314 | 6,397 | 67 | 1,330 | 652 | 140 | 1,331 | 167 | 868 | 0 | 0 | 1,842 |
| U. Missouri, Saint Louis | 315 | 6,146 | 3 | 0 | 3,833 | 235 | 1,229 | 48 | 492 | 0 | 0 | 306 |
| Naval War C. | 316 | 5,944 | 0 | 0 | 0 | 0 | 0 | 0 | 724 | 0 | 0 | 5,220 |
| California State U., San Bernardino | 317 | 5,886 | 401 | 86 | 435 | 427 | 1,448 | 594 | 183 | 0 | 0 | 2,312 |
| California State U., Sacramento | 318 | 5,693 | 105 | 716 | 434 | 0 | 196 | 90 | 113 | 88 | 3,150 | 801 |
| Alabama A&M U. | 319 | 5,643 | 234 | 0 | 3,305 | 56 | 481 | 126 | 152 | 0 | 1,078 | 211 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Virginia State U. | 320 | 5,642 | 0 | 0 | 3,775 | 645 | 0 | 0 | 0 | 0 | 210 | 1,012 |
| California State Polytechnic U., Pomona | 321 | 5,514 | 607 | 38 | 1,692 | 102 | 1,393 | 0 | 0 | 327 | 1,141 | 214 |
| U. South Florida, Saint Petersburg | 322 | 5,344 | 0 | 0 | 236 | 0 | 56 | 637 | 0 | 0 | 0 | 4,415 |
| Clark Atlanta U. | 323 | 5,324 | 166 | 0 | 3,468 | 157 | 1,422 | 0 | 0 | 0 | 0 | 111 |
| Florida Gulf Coast U. | 324 | 5,304 | 41 | 1,344 | 636 | 149 | 344 | 0 | 78 | 0 | 47 | 2,665 |
| CUNY, John Jay C. of Criminal Justice | 325 | 5,297 | 193 | 0 | 48 | 5 | 405 | 1,821 | 0 | 0 | 0 | 2,825 |
| U. Hawaii, Hilo | 326 | 5,274 | 1 | 871 | 2,989 | 863 | 214 | 0 | 116 | 220 | 0 | 0 |
| DePaul U. | 327 | 5,156 | 1,448 | 76 | 313 | 0 | 207 | 2,974 | 6 | 0 | 0 | 132 |
| Oakland U. | 328 | 5,068 | 482 | 0 | 2,266 | 34 | 1,852 | 173 | 18 | 0 | 233 | 10 |
| U. New England | 329 | 5,064 | 0 | 681 | 4,383 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Duquesne U. | 330 | 4,981 | 0 | 290 | 3,359 | 120 | 664 | 0 | 0 | 0 | 146 | 402 |
| Villanova U. | 331 | 4,921 | 179 | 460 | 358 | 2 | 1,658 | 444 | 0 | 0 | 1,375 | 445 |
| Morehouse C. | 332 | 4,825 | 1,141 | 0 | 120 | 166 | 1,517 | 42 | 3 | 1,697 | 0 | 139 |
| Fort Valley State U. | 333 | 4,806 | 0 | 0 | 4,492 | 158 | 72 | 0 | 0 | 0 | 84 | 0 |
| Sam Houston State U. | 334 | 4,764 | 0 | 0 | 637 | 319 | 414 | 211 | 863 | 0 | 0 | 2,320 |
| Arkansas State U., Jonesboro | 335 | 4,712 | 158 | 0 | 3,344 | 0 | 753 | 35 | 52 | 226 | 144 | 0 |
| U. Tulsa | 336 | 4,697 | 2,531 | 76 | 295 | 0 | 114 | 7 | 145 | 0 | 1,387 | 142 |
| CUNY, Brooklyn C. | 337 | 4,651 | 356 | 18 | 1,919 | 220 | 845 | 1,027 | 0 | 0 | 0 | 266 |
| National Defense U. | 338 | 4,583 | 0 | 0 | 200 | 0 | 0 | 0 | 2,383 | 0 | 0 | 2,000 |
| U. North Florida | 339 | 4,568 | 51 | 0 | 310 | 0 | 374 | 0 | 128 | 0 | 304 | 3,401 |
| Winston-Salem State U. | 340 | 4,498 | 443 | 0 | 2,043 | 0 | 496 | 252 | 0 | 0 | 0 | 1,264 |
| California State U., Bakersfield | 341 | 4,486 | 0 | 118 | 70 | 2,451 | 29 | 372 | 25 | 0 | 1,179 | 242 |
| Western U. of Health Sciences | 341 | 4,486 | 0 | 0 | 4,055 | 0 | 0 | 0 | 0 | 0 | 0 | 431 |
| Kentucky State U. | 343 | 4,456 | 32 | 0 | 4,299 | 125 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wellesley C. | 344 | 4,441 | 430 | 154 | 1,326 | 240 | 251 | 229 | 761 | 0 | 633 | 417 |
| U. Arkansas, Pine Bluff | 345 | 4,393 | 0 | 0 | 3,975 | 0 | 418 | 0 | 0 | 0 | 0 | 0 |
| Montana Technological U. | 346 | 4,322 | 0 | 725 | 339 | 0 | 97 | 0 | 0 | 0 | 3,161 | 0 |
| Wesleyan U. | 347 | 4,305 | 0 | 531 | 382 | 390 | 1,540 | 692 | 24 | 0 | 0 | 746 |
| U. Detroit Mercy | 348 | 4,226 | 0 | 0 | 4,002 | 0 | 0 | 124 | 0 | 0 | 75 | 25 |
| Tarleton State U. | 349 | 4,139 | 0 | 428 | 3,534 | 2 | 0 | 0 | 0 | 175 | 0 | 0 |
| Rhode Island C. | 350 | 4,128 | 60 | 0 | 504 | 0 | 356 | 155 | 27 | 0 | 0 | 3,026 |
| California State U., Fullerton | 351 | 4,121 | 33 | 145 | 1,896 | 0 | 1,003 | 66 | 33 | 392 | 534 | 19 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| West Virginia State U. | 352 | 3,993 | 99 | 0 | 3,540 | 0 | 323 | 0 | 0 | 0 | 31 | 0 |
| Western Washington U. | 353 | 3,966 | 274 | 760 | 243 | 217 | 989 | 127 | 173 | 580 | 475 | 128 |
| Dakota State U. | 354 | 3,957 | 3,909 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Tennessee, Chattanooga | 355 | 3,915 | 873 | 0 | 552 | 81 | 0 | 78 | 16 | 38 | 2,277 | 0 |
| California State U., Monterey Bay | 356 | 3,889 | 734 | 867 | 2,140 | 148 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. New Orleans | 357 | 3,868 | 637 | 897 | 148 | 0 | 782 | 0 | 795 | 232 | 250 | 127 |
| Fordham U. | 358 | 3,831 | 164 | 0 | 883 | 66 | 294 | 1,365 | 62 | 0 | 0 | 997 |
| Fisk U. | 359 | 3,811 | 0 | 0 | 3,585 | 12 | 212 | 0 | 2 | 0 | 0 | 0 |
| South Carolina State U. | 360 | 3,796 | 104 | 0 | 1,367 | 0 | 965 | 0 | 0 | 0 | 687 | 673 |
| Montclair State U. | 361 | 3,782 | 117 | 499 | 1,323 | 327 | 263 | 174 | 63 | 0 | 0 | 1,016 |
| U. of Health Sciences and Pharmacy in St. Louis | 362 | 3,767 | 0 | 0 | 3,767 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lincoln U., Jefferson City | 363 | 3,636 | 0 | 0 | 3,351 | 150 | 26 | 0 | 4 | 105 | 0 | 0 |
| U. Colorado Colorado Springs | 364 | 3,508 | 1,023 | 150 | 705 | 11 | 69 | 226 | 46 | 3 | 877 | 398 |
| Southern Illinois U., Edwardsville | 365 | 3,467 | 39 | 461 | 1,232 | 212 | 231 | 0 | 19 | 130 | 240 | 903 |
| Clark U. | 366 | 3,350 | 47 | 306 | 1,502 | 0 | 747 | 93 | 655 | 0 | 0 | 0 |
| Youngstown State U. | 367 | 3,308 | 0 | 0 | 0 | 1 | 327 | 12 | 32 | 0 | 2,818 | 118 |
| Western Kentucky U. | 368 | 3,265 | 0 | 254 | 1,385 | 11 | 1,072 | 176 | 11 | 0 | 68 | 288 |
| CUNY, Lehman C. | 369 | 3,197 | 0 | 35 | 136 | 259 | 2,021 | 0 | 163 | 0 | 0 | 583 |
| Texas Christian U. | 370 | 3,168 | 101 | 197 | 228 | 2 | 388 | 114 | 121 | 1,681 | 8 | 328 |
| California State U., Fresno | 371 | 3,117 | 75 | 116 | 823 | 287 | 868 | 34 | 275 | 0 | 526 | 113 |
| Central State U. | 372 | 3,097 | 0 | 125 | 2,444 | 37 | 6 | 0 | 0 | 319 | 166 | 0 |
| C. Charleston | 373 | 3,087 | 90 | 857 | 619 | 0 | 573 | 0 | 0 | 575 | 67 | 306 |
| U. Washington, Tacoma | 374 | 3,075 | 696 | 1,861 | 161 | 47 | 0 | 0 | 75 | 0 | 59 | 176 |
| Middle Tennessee State U. | 375 | 3,062 | 204 | 0 | 1,080 | 0 | 412 | 58 | 66 | 0 | 76 | 1,166 |
| Toyota Technological Institute, Chicago | 376 | 3,038 | 3,038 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MGH Institute of Health Professions | 377 | 3,014 | 0 | 0 | 3,014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pace U. | 378 | 2,997 | 903 | 0 | 753 | 0 | 0 | 0 | 0 | 0 | 464 | 877 |
| Southern U. and A&M C., Baton Rouge | 379 | 2,996 | 189 | 0 | 336 | 0 | 466 | 0 | 216 | 0 | 1,360 | 429 |
| Texas Southern U. | 380 | 2,941 | 148 | 176 | 1,804 | 204 | 527 | 0 | 0 | 0 | 82 | 0 |
| U. Washington, Bothell | 381 | 2,815 | 41 | 371 | 558 | 31 | 156 | 0 | 0 | 103 | 0 | 1,555 |
| Barnard C. | 382 | 2,800 | 60 | 45 | 489 | 22 | 805 | 1,198 | 61 | 0 | 0 | 120 |
| U. Central del Caribe | 383 | 2,743 | 0 | 0 | 2,743 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Seton Hall U. | 384 | 2,725 | 0 | 0 | 138 | 0 | 401 | 0 | 0 | 0 | 0 | 2,186 |
| Haverford C. | 385 | 2,680 | 39 | 103 | 109 | 65 | 2,259 | 93 | 12 | 0 | 0 | 0 |
| U. of the District of Columbia | 386 | 2,664 | 79 | 41 | 235 | 277 | 0 | 0 | 0 | 0 | 1,388 | 644 |
| Smith C. | 387 | 2,650 | 328 | 0 | 881 | 121 | 264 | 164 | 0 | 0 | 725 | 167 |
| Oklahoma State U., Center for Health Sciences | 388 | 2,618 | 0 | 0 | 2,469 | 0 | 0 | 87 | 0 | 0 | 46 | 16 |
| James Madison U. | 389 | 2,609 | 18 | 508 | 618 | 104 | 531 | 0 | 8 | 0 | 186 | 636 |
| Eastern Michigan U. | 390 | 2,598 | 0 | 18 | 2,234 | 37 | 126 | 0 | 3 | 0 | 102 | 78 |
| Pacific U. | 391 | 2,596 | 0 | 0 | 1,597 | 9 | 29 | 0 | 84 | 0 | 0 | 877 |
| Alabama State U. | 392 | 2,582 | 0 | 0 | 1,989 | 0 | 60 | 0 | 0 | 0 | 533 | 0 |
| CUNY, Graduate Center | 393 | 2,561 | 0 | 0 | 87 | 23 | 435 | 297 | 1,334 | 0 | 30 | 355 |
| California State U., Chico | 394 | 2,520 | 10 | 395 | 380 | 10 | 150 | 0 | 385 | 0 | 613 | 577 |
| Northwest Indian C. | 395 | 2,497 | 1 | 1,033 | 103 | 0 | 0 | 0 | 1,044 | 0 | 0 | 316 |
| Salisbury U. | 396 | 2,413 | 57 | 91 | 32 | 0 | 21 | 0 | 3 | 0 | 0 | 2,209 |
| U. North Carolina, Asheville | 397 | 2,405 | 310 | 36 | 797 | 0 | 687 | 18 | 0 | 0 | 0 | 557 |
| Humboldt State U. | 398 | 2,399 | 8 | 450 | 1,636 | 0 | 76 | 0 | 76 | 0 | 153 | 0 |
| U. San Diego | 399 | 2,398 | 0 | 152 | 65 | 141 | 837 | 106 | 61 | 0 | 686 | 350 |
| Ball State U. | 400 | 2,397 | 258 | 0 | 1,315 | 35 | 315 | 64 | 303 | 0 | 0 | 107 |
| California State U., East Bay | 401 | 2,348 | 61 | 63 | 212 | 0 | 444 | 26 | 171 | 0 | 41 | 1,330 |
| U. South Carolina, Aiken | 402 | 2,328 | 0 | 119 | 870 | 0 | 8 | 0 | 0 | 0 | 1,331 | 0 |
| CUNY, C. Staten Island | 403 | 2,295 | 65 | 0 | 377 | 513 | 770 | 284 | 4 | 0 | 249 | 33 |
| U. Michigan, Dearborn | 404 | 2,264 | 0 | 0 | 283 | 110 | 26 | 0 | 0 | 144 | 1,681 | 20 |
| U. Southern Maine | 405 | 2,231 | 0 | 0 | 94 | 0 | 0 | 0 | 2,034 | 0 | 0 | 103 |
| Johnson C. Smith U. | 406 | 2,230 | 11 | 0 | 412 | 0 | 300 | 0 | 0 | 0 | 364 | 1,143 |
| U. Wisconsin-Stevens Point | 407 | 2,193 | 0 | 3 | 2,058 | 0 | 85 | 0 | 0 | 0 | 47 | 0 |
| Lamar U. | 408 | 2,146 | 14 | 0 | 221 | 54 | 20 | 0 | 10 | 0 | 838 | 989 |
| Spelman C. | 409 | 2,136 | 34 | 0 | 624 | 48 | 713 | 588 | 129 | 0 | 0 | 0 |
| Tougaloo C. | 410 | 2,102 | 0 | 0 | 1,741 | 0 | 361 | 0 | 0 | 0 | 0 | 0 |
| Southern U. and A&M C., Agricultural Research and Extension Center | 411 | 2,085 | 0 | 0 | 2,085 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Louisiana, Monroe | 412 | 2,025 | 0 | 39 | 1,788 | 0 | 55 | 0 | 143 | 0 | 0 | 0 |
| Northeastern Illinois U. | 413 | 2,018 | 39 | 50 | 1,122 | 53 | 66 | 0 | 48 | 0 | 0 | 640 |
| Towson U. | 414 | 2,010 | 488 | 667 | 374 | 50 | 187 | 71 | 162 | 0 | 0 | 11 |
| Purdue U., Northwest | 415 | 1,996 | 491 | 0 | 176 | 0 | 168 | 0 | 4 | 2 | 1,128 | 27 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Kennesaw State U. | 416 | 1,983 | 105 | 0 | 933 | 4 | 558 | 11 | 11 | 0 | 74 | 287 |
| Bowie State U. | 417 | 1,967 | 682 | 0 | 414 | 0 | 272 | 0 | 0 | 0 | 0 | 599 |
| U. Oklahoma, Tulsa | 418 | 1,953 | 0 | 0 | 493 | 0 | 0 | 0 | 0 | 0 | 1,066 | 394 |
| Rutgers, State U. New Jersey, Camden | 419 | 1,952 | 1,789 | 0 | 0 | 84 | 0 | 0 | 79 | 0 | 0 | 0 |
| Albany C. of Pharmacy and Health Sciences | 420 | 1,938 | 0 | 0 | 1,938 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Murray State U. | 421 | 1,929 | 0 | 19 | 1,539 | 198 | 155 | 0 | 0 | 0 | 0 | 18 |
| Clafin U. | 422 | 1,907 | 500 | 37 | 854 | 13 | 258 | 0 | 75 | 0 | 170 | 0 |
| William Paterson U. | 423 | 1,896 | 0 | 414 | 103 | 0 | 0 | 70 | 485 | 0 | 0 | 824 |
| Bates C. | 424 | 1,885 | 113 | 91 | 1,128 | 8 | 318 | 154 | 73 | 0 | 0 | 0 |
| U. Northern Iowa | 425 | 1,881 | 0 | 0 | 129 | 0 | 796 | 0 | 867 | 0 | 0 | 89 |
| Bowdoin C. | 426 | 1,862 | 72 | 493 | 869 | 24 | 184 | 158 | 62 | 0 | 0 | 0 |
| U. Northern Colorado | 427 | 1,853 | 0 | 247 | 549 | 117 | 19 | 140 | 161 | 0 | 0 | 620 |
| Gallaudet U. | 428 | 1,841 | 319 | 4 | 383 | 0 | 0 | 137 | 56 | 0 | 0 | 942 |
| Grand Valley State U. | 429 | 1,831 | 0 | 287 | 935 | 94 | 350 | 37 | 80 | 0 | 0 | 48 |
| Skidmore C. | 430 | 1,827 | 0 | 577 | 799 | 0 | 250 | 201 | 0 | 0 | 0 | 0 |
| Saginaw Valley State U. | 431 | 1,809 | 1 | 0 | 1,083 | 587 | 21 | 0 | 12 | 0 | 105 | 0 |
| Reed C. | 432 | 1,806 | 61 | 0 | 1,180 | 151 | 150 | 91 | 2 | 0 | 0 | 171 |
| St. John's U., New York | 433 | 1,805 | 0 | 0 | 1,375 | 64 | 325 | 41 | 0 | 0 | 0 | 0 |
| Savannah State U. | 434 | 1,804 | 0 | 728 | 234 | 0 | 50 | 0 | 0 | 153 | 639 | 0 |
| Western Illinois U. | 435 | 1,801 | 0 | 14 | 1,636 | 0 | 60 | 0 | 0 | 0 | 71 | 20 |
| Georgia Southern U. | 436 | 1,790 | 16 | 115 | 681 | 30 | 607 | 0 | 9 | 0 | 301 | 31 |
| Amherst C. | 437 | 1,775 | 0 | 0 | 608 | 225 | 892 | 50 | 0 | 0 | 0 | 0 |
| Harvey Mudd C. | 438 | 1,748 | 640 | 0 | 444 | 113 | 297 | 0 | 0 | 79 | 175 | 0 |
| Western Carolina U. | 439 | 1,707 | 0 | 255 | 750 | 3 | 118 | 0 | 198 | 0 | 291 | 92 |
| Texas Tech U., Health Sciences Center, El Paso | 440 | 1,703 | 0 | 0 | 1,675 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| Central Washington U. | 441 | 1,701 | 0 | 1,161 | 198 | 52 | 255 | 0 | 1 | 0 | 34 | 0 |
| Texas Woman's U. | 442 | 1,700 | 14 | 0 | 805 | 0 | 49 | 0 | 14 | 0 | 0 | 818 |
| Hawaii Pacific U. | 443 | 1,699 | 72 | 183 | 1,224 | 14 | 0 | 0 | 193 | 0 | 13 | 0 |
| Bucknell U. | 444 | 1,693 | 23 | 21 | 235 | 214 | 237 | 39 | 2 | 64 | 512 | 346 |
| SUNY, C. of Optometry | 445 | 1,688 | 0 | 0 | 1,688 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morehead State U. | 446 | 1,674 | 0 | 7 | 223 | 0 | 0 | 0 | 219 | 0 | 1,208 | 17 |
| U. Richmond | 447 | 1,628 | 0 | 43 | 648 | 21 | 286 | 231 | 359 | 0 | 0 | 40 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Troy U. | 448 | 1,591 | 0 | 47 | 269 | 4 | 1,216 | 0 | 0 | 0 | 0 | 55 |
| CUNY, New York City C. of Technology | 449 | 1,585 | 177 | 0 | 394 | 0 | 200 | 0 | 0 | 235 | 353 | 226 |
| Occidental C. | 450 | 1,567 | 236 | 630 | 289 | 58 | 340 | 9 | 5 | 0 | 0 | 0 |
| Winthrop U. | 451 | 1,563 | 0 | 0 | 465 | 0 | 231 | 0 | 1 | 0 | 0 | 866 |
| Touro U. | 452 | 1,558 | 0 | 0 | 1,546 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Middlebury C. | 453 | 1,546 | 117 | 239 | 483 | 0 | 388 | 245 | 65 | 9 | 0 | 0 |
| New York Institute of Technology | 454 | 1,542 | 132 | 0 | 981 | 0 | 0 | 0 | 0 | 0 | 372 | 57 |
| West Texas A&M U. | 454 | 1,542 | 116 | 62 | 409 | 0 | 166 | 0 | 0 | 0 | 500 | 289 |
| Bryn Mawr C. | 456 | 1,531 | 226 | 0 | 100 | 114 | 388 | 0 | 5 | 0 | 0 | 698 |
| Santa Clara U. | 457 | 1,522 | 29 | 0 | 503 | 20 | 445 | 8 | 89 | 0 | 393 | 35 |
| CUNY, York C. | 458 | 1,513 | 0 | 462 | 450 | 0 | 510 | 0 | 58 | 0 | 0 | 33 |
| CUNY, Baruch C. | 459 | 1,470 | 46 | 137 | 117 | 321 | 296 | 220 | 333 | 0 | 0 | 0 |
| Appalachian State U. | 460 | 1,469 | 233 | 242 | 465 | 5 | 172 | 91 | 167 | 0 | 0 | 94 |
| Northern Kentucky U. | 461 | 1,462 | 0 | 0 | 552 | 71 | 514 | 277 | 1 | 0 | 0 | 47 |
| Elizabeth City State U. | 462 | 1,455 | 101 | 176 | 428 | 287 | 0 | 0 | 0 | 0 | 0 | 463 |
| U. Central Oklahoma | 463 | 1,444 | i 132 | i 0 | i 288 | i 93 | i 651 | i 0 | i 0 | i 101 | i 1 | i 178 |
| Mount Holyoke C. | 464 | 1,442 | 140 | 0 | 333 | 147 | 471 | 298 | 53 | 0 | 0 | 0 |
| U. New Haven | 465 | 1,440 | 562 | 104 | 9 | 0 | 142 | 22 | 363 | 0 | 238 | 0 |
| California State U., Dominguez Hills | 466 | 1,433 | 633 | 0 | 81 | 53 | 393 | 63 | 137 | 0 | 0 | 73 |
| U. Central Arkansas | 467 | 1,421 | 381 | 0 | 357 | 15 | 490 | 0 | 0 | 131 | 0 | 47 |
| Davidson C. | 468 | 1,411 | 0 | 0 | 200 | 61 | 157 | 758 | 78 | 0 | 0 | 157 |
| Palmer C. of Chiropractic, Davenport | 469 | 1,400 | 0 | 0 | 1,400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Houston-Downtown | 470 | 1,392 | 86 | 82 | 0 | 9 | 0 | 0 | 0 | 69 | 28 | 1,118 |
| U. Wisconsin-Superior | 471 | 1,382 | 0 | 30 | 1,343 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| U. of the Pacific | 472 | 1,375 | 0 | 0 | 654 | 0 | 307 | 0 | 0 | 312 | 89 | 13 |
| Christopher Newport U. | 473 | 1,365 | 0 | 0 | 160 | 0 | 571 | 37 | 13 | 0 | 566 | 18 |
| Long Island U. | 474 | 1,349 | 0 | 15 | 1,161 | 0 | 51 | 50 | 0 | 0 | 0 | 72 |
| Mills C. | 475 | 1,341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,341 |
| U. Wisconsin-Oshkosh | 476 | 1,336 | i 52 | i 79 | i 737 | i 13 | i 107 | i 28 | i 33 | i 0 | i 240 | i 47 |
| Indiana U. Pennsylvania | 477 | 1,309 | 0 | 107 | 667 | 0 | 268 | 113 | 64 | 2 | 0 | 88 |
| Seattle U. | 478 | 1,303 | 0 | 42 | 86 | 159 | 58 | 0 | 132 | 0 | 10 | 816 |
| Black Hills State U. | 479 | 1,287 | 452 | 0 | 691 | 0 | 91 | 0 | 0 | 0 | 0 | 53 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|-----------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| California State U., Stanislaus | 480 | 1,284 | 331 | 0 | 752 | 194 | 0 | 4 | 3 | 0 | 0 | 0 |
| U. Puerto Rico, Humacao | 481 | 1,279 | 0 | 0 | 255 | 1 | 922 | 101 | 0 | 0 | 0 | 0 |
| Lewis and Clark C. | 482 | 1,268 | 27 | 164 | 538 | 45 | 494 | 0 | 0 | 0 | 0 | 0 |
| U. Nebraska, Kearney | 483 | 1,259 | 0 | 0 | 1,035 | 0 | 142 | 19 | 0 | 63 | 0 | 0 |
| Stephen F. Austin State U. | 484 | 1,257 | 0 | 1 | 619 | 128 | 0 | 0 | 131 | 0 | 5 | 373 |
| SUNY, Buffalo State | 485 | 1,241 | 0 | 821 | 176 | 91 | 2 | 27 | 123 | 0 | 0 | 1 |
| Carleton C. | 486 | 1,236 | 33 | 670 | 82 | 41 | 248 | 86 | 76 | 0 | 0 | 0 |
| Fort Lewis C. | 487 | 1,228 | 0 | 34 | 240 | 0 | 435 | 0 | 42 | 0 | 477 | 0 |
| Texas A&M U.-Commerce | 488 | 1,226 | 24 | 0 | 26 | 0 | 746 | 164 | 44 | 0 | 0 | 222 |
| Jacksonville State U. | 489 | 1,216 | 3 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 11 | 1,186 |
| Coastal Carolina U. | 490 | 1,211 | 56 | 998 | 157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Puerto Rico, Cayey | 491 | 1,210 | 0 | 0 | 604 | 0 | 185 | 0 | 330 | 91 | 0 | 0 |
| Trinity U. | 492 | 1,207 | 15 | 3 | 296 | 68 | 604 | 209 | 0 | 0 | 0 | 12 |
| Franklin and Marshall C. | 493 | 1,202 | 0 | 37 | 502 | 22 | 350 | 12 | 279 | 0 | 0 | 0 |
| Dillard U. | 494 | 1,200 | 0 | 0 | 502 | 0 | 662 | 0 | 0 | 0 | 0 | 36 |
| Colorado State U., Pueblo | 495 | 1,161 | 0 | 0 | 1,108 | 6 | 0 | 0 | 0 | 0 | 47 | 0 |
| Hope C. | 496 | 1,155 | 0 | 0 | 282 | 58 | 648 | 0 | 0 | 0 | 138 | 29 |
| Eastern Washington U. | 497 | 1,153 | 0 | 58 | 391 | 15 | 66 | 0 | 562 | 0 | 0 | 61 |
| U. of the Sciences Philadelphia | 498 | 1,126 | 0 | 0 | 808 | 0 | 318 | 0 | 0 | 0 | 0 | 0 |
| Pomona C. | 499 | 1,123 | 95 | 103 | 180 | 82 | 490 | 35 | 138 | 0 | 0 | 0 |
| Keck Graduate Institute | 500 | 1,113 | i 57 | i 0 | i 806 | i 15 | i 0 | i 0 | i 0 | i 0 | i 215 | i 20 |
| Loyola Marymount U. | 501 | 1,105 | 0 | 32 | 261 | 117 | 140 | 447 | 0 | 0 | 0 | 108 |
| U. Alaska, Southeast | 502 | 1,098 | 0 | 145 | 521 | 0 | 30 | 0 | 0 | 366 | 30 | 6 |
| Williams C. | 503 | 1,086 | i 58 | i 99 | i 396 | i 227 | i 253 | i 0 | i 53 | i 0 | i 0 | i 0 |
| Hobart and William Smith Colleges | 504 | 1,072 | 0 | 127 | 730 | 83 | 132 | 0 | 0 | 0 | 0 | 0 |
| Vassar C. | 505 | 1,055 | 273 | 0 | 16 | 350 | 160 | 196 | 60 | 0 | 0 | 0 |
| New School | 506 | 1,050 | 0 | 414 | 12 | 0 | 0 | 444 | 0 | 0 | 116 | 64 |
| Saint Joseph's U. | 507 | 1,047 | 118 | 0 | 460 | 0 | 0 | 54 | 143 | 0 | 0 | 272 |
| Roger Williams U. | 508 | 1,045 | 0 | 369 | 166 | 13 | 98 | 198 | 0 | 0 | 0 | 201 |
| Keene State C. | 509 | 1,043 | 0 | 16 | 966 | 0 | 53 | 0 | 0 | 0 | 8 | 0 |
| Swarthmore C. | 510 | 1,041 | 6 | 0 | 439 | 63 | 366 | 64 | 56 | 17 | 0 | 30 |
| New Mexico Highlands U. | 511 | 1,034 | 134 | 189 | 170 | 0 | 541 | 0 | 0 | 0 | 0 | 0 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Southern Connecticut State U. | 512 | 1,026 | 0 | 1 | 141 | 0 | 579 | 164 | 0 | 0 | 0 | 141 |
| Trinity C., Hartford | 513 | 1,019 | 0 | 0 | 903 | 52 | 5 | 0 | 46 | 0 | 13 | 0 |
| Fayetteville State U. | 514 | 1,008 | 131 | 0 | 408 | 0 | 260 | 0 | 0 | 0 | 0 | 209 |
| Erikson Institute | 515 | 1,006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,006 |
| Hofstra U. | 516 | 997 | 3 | 3 | 308 | 0 | 4 | 0 | 0 | 0 | 288 | 391 |
| Texas A&M International U. | 517 | 986 | 0 | 19 | 123 | 0 | 38 | 0 | 0 | 733 | 28 | 45 |
| Ithaca C. | 518 | 981 | 39 | 4 | 408 | 64 | 301 | 0 | 165 | 0 | 0 | 0 |
| U. Illinois, Springfield | 519 | 976 | 0 | 0 | 0 | 0 | 12 | 0 | 959 | 0 | 0 | 5 |
| Doane U. | 520 | 958 | i 175 | i 0 | i 514 | i 0 | i 62 | i 0 | i 0 | i 0 | i 1 | i 206 |
| C. New Jersey | 521 | 951 | 194 | 0 | 328 | 4 | 354 | 0 | 0 | 0 | 8 | 63 |
| SUNY, C. Plattsburgh | 522 | 950 | 0 | 391 | 429 | 0 | 110 | 0 | 0 | 0 | 0 | 20 |
| SUNY, Geneseo | 522 | 950 | 0 | 104 | 58 | 35 | 624 | 102 | 27 | 0 | 0 | 0 |
| Indiana State U. | 524 | 949 | 0 | 103 | 339 | 23 | 160 | 0 | 0 | 10 | 0 | 314 |
| Alfred U. | 525 | 947 | 0 | 1 | 52 | 0 | 7 | 0 | 0 | 0 | 887 | 0 |
| U. Ana G. Mendez, Gurabo | 526 | 946 | 0 | 0 | 556 | 0 | 25 | 0 | 0 | 0 | 365 | 0 |
| Midwestern U. | 527 | 936 | 0 | 0 | 936 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sonoma State U. | 527 | 936 | 0 | 529 | 178 | 91 | 123 | 0 | 0 | 15 | 0 | 0 |
| Colgate U. | 529 | 918 | 165 | 295 | 84 | 56 | 248 | 0 | 10 | 0 | 0 | 60 |
| Providence C. | 530 | 913 | 0 | 124 | 347 | 0 | 372 | 70 | 0 | 0 | 0 | 0 |
| National U. of Natural Medicine | 531 | 912 | 0 | 0 | 912 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Connecticut State U. | 532 | 901 | 0 | 85 | 73 | 0 | 60 | 0 | 206 | 0 | 94 | 383 |
| U. Wisconsin-Green Bay | 533 | 890 | i 35 | i 53 | i 490 | i 9 | i 72 | i 18 | i 23 | i 0 | i 159 | i 31 |
| Calvin U. | 534 | 888 | i 10 | i 0 | i 431 | i 31 | i 372 | i 0 | i 0 | i 0 | i 20 | i 24 |
| Liberty U. | 535 | 886 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 442 | 400 |
| CUNY, system office | 536 | 884 | 84 | 39 | 84 | 0 | 0 | 0 | 0 | 0 | 662 | 15 |
| Southeastern Louisiana U. | 536 | 884 | 5 | 0 | 473 | 0 | 179 | 0 | 224 | 0 | 3 | 0 |
| Stockton U. | 538 | 872 | 0 | 578 | 85 | 0 | 0 | 0 | 0 | 0 | 0 | 209 |
| U. of the Incarnate Word | 539 | 869 | 0 | 0 | 545 | 148 | 176 | 0 | 0 | 0 | 0 | 0 |
| U. Hartford | 540 | 854 | 5 | 0 | 101 | 131 | 0 | 0 | 0 | 0 | 605 | 12 |
| Furman U. | 541 | 847 | 0 | 7 | 356 | 0 | 358 | 0 | 126 | 0 | 0 | 0 |
| Suffolk U. | 542 | 844 | 0 | 28 | 29 | 0 | 97 | 584 | 0 | 28 | 76 | 2 |
| Albany State U. | 543 | 836 | 0 | 4 | 445 | 0 | 54 | 0 | 0 | 0 | 3 | 330 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Wisconsin-La Crosse | 544 | 817 | 36 | 6 | 402 | 77 | 205 | 0 | 83 | 0 | 0 | 8 |
| Polytechnic U. Puerto Rico | 545 | 813 | 813 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Claremont Graduate U. | 546 | 809 | 98 | 0 | 0 | 70 | 0 | 284 | 351 | 0 | 0 | 6 |
| Colby C. | 546 | 809 | 14 | 175 | 289 | 10 | 299 | 0 | 0 | 0 | 0 | 22 |
| Salish Kootenai C. | 548 | 802 | 0 | 0 | 172 | 0 | 222 | 0 | 0 | 0 | 0 | 408 |
| Grambling State U. | 549 | 787 | 0 | 0 | 0 | 3 | 356 | 0 | 0 | 0 | 0 | 428 |
| New England C. of Optometry | 550 | 785 | 0 | 0 | 785 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SUNY, C. Brockport | 551 | 781 | 0 | 261 | 444 | 0 | 41 | 0 | 35 | 0 | 0 | 0 |
| Kean U. | 552 | 775 | 417 | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 |
| Saint Michael's C. | 552 | 775 | 0 | 0 | 627 | 0 | 42 | 106 | 0 | 0 | 0 | 0 |
| U. Texas, Tyler | 554 | 774 | 26 | 0 | 677 | 20 | 0 | 0 | 4 | 0 | 47 | 0 |
| Yeshiva U. | 555 | 772 | 0 | 0 | 486 | 0 | 286 | 0 | 0 | 0 | 0 | 0 |
| Claremont McKenna C. | 556 | 771 | 0 | 29 | 396 | 78 | 144 | 94 | 0 | 0 | 0 | 30 |
| Fort Hays State U. | 557 | 764 | 0 | 288 | 388 | 0 | 85 | 0 | 0 | 0 | 0 | 3 |
| U. Texas of the Permian Basin | 558 | 757 | 0 | 0 | 328 | 0 | 0 | 6 | 320 | 0 | 82 | 21 |
| Lafayette C. | 559 | 755 | 85 | 0 | 50 | 56 | 299 | 116 | 0 | 0 | 139 | 10 |
| Oberlin C. | 560 | 743 | 80 | 51 | 252 | 0 | 262 | 51 | 47 | 0 | 0 | 0 |
| Citadel Military C. South Carolina | 561 | 736 | 378 | 0 | 49 | 0 | 0 | 30 | 0 | 0 | 13 | 266 |
| West Chester U. Pennsylvania | 562 | 724 | 0 | 0 | 410 | 60 | 73 | 32 | 0 | 0 | 0 | 149 |
| Kenyon C. | 563 | 714 | 0 | 0 | 520 | 0 | 194 | 0 | 0 | 0 | 0 | 0 |
| Pepperdine U. | 564 | 693 | 0 | 0 | 121 | 0 | 0 | 103 | 37 | 0 | 0 | 432 |
| Mercyhurst U. | 565 | 690 | 36 | 22 | 514 | 10 | 73 | 10 | 12 | 1 | 0 | 12 |
| Stonehill C. | 566 | 674 | 0 | 393 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 281 |
| Biola U. | 567 | 662 | 30 | 1 | 423 | 8 | 60 | 8 | 9 | 0 | 113 | 10 |
| U. of Mary Washington | 568 | 660 | 15 | 38 | 85 | 0 | 54 | 12 | 3 | 0 | 0 | 453 |
| Macalester C. | 569 | 647 | 0 | 268 | 121 | 96 | 149 | 0 | 13 | 0 | 0 | 0 |
| U. Wisconsin-Eau Claire | 569 | 647 | 0 | 4 | 30 | 35 | 456 | 122 | 0 | 0 | 0 | 0 |
| Grinnell C. | 571 | 644 | 76 | 0 | 29 | 72 | 410 | 0 | 30 | 0 | 0 | 27 |
| Benedict C. | 572 | 635 | 98 | 66 | 42 | 44 | 146 | 0 | 0 | 0 | 237 | 2 |
| U. Houston-Clear Lake | 573 | 632 | 96 | 0 | 20 | 0 | 377 | 109 | 30 | 0 | 0 | 0 |
| California State U., Maritime Academy | 574 | 621 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 621 | 0 |
| La Sierra U. | 575 | 618 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 614 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Milwaukee School of Engineering | 576 | 613 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 613 | 0 |
| Midwestern State U. | 577 | 599 | 0 | 107 | 480 | 6 | 0 | 0 | 0 | 0 | 0 | 6 |
| Northwestern State U. Louisiana | 578 | 598 | 0 | 0 | 1 | 0 | 0 | 0 | 597 | 0 | 0 | 0 |
| Purdue U., Fort Wayne | 579 | 589 | 0 | 0 | 117 | 19 | 123 | 104 | 4 | 0 | 194 | 28 |
| CUNY, Medgar Evers C. | 580 | 588 | 0 | 1 | 314 | 44 | 179 | 0 | 0 | 0 | 0 | 50 |
| U. North Carolina, general administration | 581 | 572 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 552 | 10 |
| Kettering U. | 582 | 568 | 0 | 0 | 4 | 0 | 305 | 0 | 0 | 0 | 114 | 145 |
| Edward Via C. of Osteopathic Medicine | 583 | 566 | 0 | 0 | 566 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Whitman C. | 584 | 558 | 0 | 0 | 302 | 0 | 241 | 0 | 15 | 0 | 0 | 0 |
| Lipscomb U. | 585 | 557 | i 26 | i 0 | i 353 | i 7 | i 52 | i 7 | i 8 | i 0 | i 95 | i 9 |
| Eastern Kentucky U. | 586 | 554 | 0 | 1 | 378 | 24 | 61 | 8 | 0 | 0 | 52 | 30 |
| California State U., Channel Islands | 587 | 553 | 0 | 0 | 151 | 171 | 0 | 0 | 0 | 191 | 0 | 40 |
| Pennsylvania State U., Behrend | 588 | 543 | 37 | 104 | 15 | 15 | 31 | 0 | 4 | 0 | 337 | 0 |
| U. North Georgia | 589 | 542 | 37 | 55 | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 359 |
| Minnesota State U., Mankato | 590 | 525 | 0 | 0 | 205 | 0 | 2 | 59 | 15 | 0 | 244 | 0 |
| U. Ana G. Mendez, Carolina | 591 | 520 | 0 | 0 | 206 | 0 | 0 | 0 | 0 | 0 | 314 | 0 |
| SUNY, Oswego | 592 | 492 | 52 | 43 | 190 | 0 | 182 | 0 | 0 | 12 | 13 | 0 |
| U. Massachusetts, central office | 593 | 488 | 0 | 0 | 403 | 0 | 0 | 0 | 7 | 0 | 0 | 78 |
| U. Wisconsin-River Falls | 593 | 488 | 55 | 0 | 110 | 0 | 258 | 0 | 0 | 0 | 65 | 0 |
| Connecticut C. | 595 | 483 | 83 | 0 | 48 | 0 | 113 | 70 | 169 | 0 | 0 | 0 |
| Sul Ross State U. | 596 | 481 | 0 | 0 | 463 | 0 | 0 | 0 | 18 | 0 | 0 | 0 |
| Pittsburg State U. | 597 | 477 | 0 | 0 | 306 | 0 | 22 | 0 | 99 | 0 | 50 | 0 |
| Austin Peay State U. | 598 | 475 | 0 | 52 | 410 | 0 | 13 | 0 | 0 | 0 | 0 | 0 |
| Union C., Schenectady | 599 | 462 | 3 | 130 | 13 | 13 | 222 | 0 | 0 | 0 | 81 | 0 |
| St. Cloud State U. | 600 | 459 | 0 | 0 | 126 | 0 | 3 | 0 | 12 | 0 | 0 | 318 |
| Pennsylvania State U., Harrisburg | 601 | 451 | 2 | 3 | 381 | 0 | 0 | 0 | 7 | 0 | 44 | 14 |
| U. of St. Thomas (MN) | 602 | 450 | 17 | 0 | 242 | 40 | 90 | 16 | 26 | 0 | 19 | 0 |
| Des Moines U. | 603 | 449 | 0 | 1 | 265 | 0 | 0 | 0 | 159 | 0 | 0 | 24 |
| Northern Michigan U. | 604 | 446 | 0 | 81 | 127 | 0 | 0 | 157 | 53 | 0 | 0 | 28 |
| Weber State U. | 605 | 424 | 70 | 91 | 28 | 0 | 95 | 0 | 0 | 0 | 22 | 118 |
| Philadelphia C. of Osteopathic Medicine | 606 | 422 | 0 | 0 | 422 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Virginia School of Osteopathic Medicine | 607 | 419 | 0 | 0 | 414 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Lawrence Technological U. | 608 | 405 | 63 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 227 | 109 |
| U. Puget Sound | 609 | 401 | 0 | 0 | 223 | 0 | 174 | 0 | 0 | 0 | 0 | 4 |
| Willamette U. | 609 | 401 | 0 | 0 | 35 | 0 | 66 | 121 | 0 | 0 | 0 | 179 |
| Manhattan C. | 611 | 398 | 0 | 0 | 10 | 147 | 71 | 0 | 0 | 0 | 170 | 0 |
| Fairfield U. | 612 | 365 | 0 | 0 | 191 | 74 | 100 | 0 | 0 | 0 | 0 | 0 |
| Dine C. | 613 | 347 | 0 | 0 | 347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences | 614 | 342 | 0 | 0 | 342 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Wisconsin-Platteville | 615 | 336 | i 12 | i 28 | i 117 | i 8 | i 36 | i 6 | i 18 | i 0 | i 67 | i 44 |
| Oregon Institute of Technology | 616 | 326 | 0 | 56 | 67 | 0 | 0 | 0 | 0 | 0 | 203 | 0 |
| Wheaton C., Wheaton | 617 | 324 | 0 | 116 | 142 | 0 | 66 | 0 | 0 | 0 | 0 | 0 |
| Marshall B. Ketchum U. | 618 | 323 | i 0 | i 0 | i 323 | i 0 | i 0 | i 0 | i 0 | i 0 | i 0 | i 0 |
| Gettysburg C. | 619 | 320 | 0 | 0 | 13 | 5 | 109 | 0 | 193 | 0 | 0 | 0 |
| Merrimack C. | 620 | 306 | 0 | 0 | 168 | 0 | 0 | 0 | 0 | 60 | 78 | 0 |
| Franklin W. Olin C. of Engineering | 621 | 293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 255 | 38 |
| C. Wooster | 622 | 283 | 0 | 21 | 81 | 55 | 126 | 0 | 0 | 0 | 0 | 0 |
| U. Michigan, Flint | 623 | 276 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 102 | 0 | 56 |
| Albion C. | 624 | 272 | 0 | 0 | 0 | 0 | 272 | 0 | 0 | 0 | 0 | 0 |
| California Lutheran U. | 625 | 271 | 0 | 0 | 144 | 0 | 59 | 0 | 0 | 0 | 0 | 68 |
| St. Bonaventure U. | 626 | 265 | 0 | 0 | 102 | 0 | 38 | 0 | 0 | 47 | 0 | 78 |
| Andrews U. | 627 | 263 | 0 | 35 | 0 | 0 | 191 | 0 | 0 | 0 | 37 | 0 |
| Florida Polytechnic U. | 628 | 252 | 64 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 159 | 0 |
| Rhode Island School of Design | 629 | 236 | i 20 | i 0 | i 170 | i 0 | i 0 | i 0 | i 16 | i 0 | i 0 | i 30 |
| Bradley U. | 630 | 235 | 0 | 0 | 20 | 0 | 1 | 0 | 0 | 0 | 214 | 0 |
| St. Olaf C. | 631 | 230 | 132 | 0 | 40 | 23 | 13 | 9 | 10 | 0 | 0 | 3 |
| New Jersey City U. | 632 | 223 | 24 | 0 | 57 | 42 | 82 | 12 | 0 | 0 | 0 | 6 |
| Dickinson C. | 633 | 222 | 0 | 0 | 97 | 0 | 16 | 40 | 1 | 0 | 0 | 68 |
| U. California, Office of the President | 634 | 217 | 0 | 0 | 217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Minnesota, Morris | 635 | 213 | 0 | 176 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colorado C. | 636 | 196 | 0 | 52 | 20 | 0 | 15 | 0 | 4 | 0 | 0 | 105 |
| Heidelberg U. | 637 | 188 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Framingham State U. | 638 | 179 | 0 | 0 | 0 | 0 | 169 | 10 | 0 | 0 | 0 | 0 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2020

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Eastern Connecticut State U. | 639 | 177 | 0 | 0 | 177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Alaska Pacific U. | 640 | 148 | 0 | 83 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| U. San Francisco | 640 | 148 | 0 | 67 | 0 | 16 | 0 | 0 | 65 | 0 | 0 | 0 |
| Hamilton C. | 642 | 144 | 0 | 6 | 26 | 0 | 3 | 0 | 26 | 0 | 0 | 83 |
| Azusa Pacific U. | 643 | 128 | 0 | 0 | 116 | 0 | 12 | 0 | 0 | 0 | 0 | 0 |
| Monmouth U. | 644 | 110 | 0 | 109 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Elon U. | 645 | 106 | 0 | 0 | 16 | 0 | 0 | 43 | 22 | 0 | 25 | 0 |
| Columbus State U. | 646 | 93 | 75 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emerson C. | 647 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 |
| Roseman U. of Health Sciences | 648 | 56 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| C. of Saint Benedict | 649 | 43 i | 23 i | 0 i | 0 i | 0 i | 20 i | 0 i | 0 i | 0 i | 0 i | 0 i |
| Niagara U. | 650 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 6 |
| Babson C. | 651 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 |
| La Salle U. | 651 | 14 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. South Florida, Sarasota-Manatee | 653 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 |

i = imputed.

nec = not elsewhere classified; S&E = science and engineering.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$1,845,654 thousand in federally financed R&D expenditures in FY 2020.^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.^c The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.**Note(s):**

Institutions reporting zero federal expenditures for FY 2020 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6. This table includes only institutions reporting \$1 million or more in total R&D expenditures in 2019. Institutions reporting less than \$1 million in total R&D expenditures in 2019 completed a shorter version of the survey form in FY 2020, and that form did not collect federally financed R&D expenditures by source and detailed field. For federally financed R&D expenditures by major field at institutions completing the shorter version of the survey, see table 83.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2020.