

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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  | -    | 49,143,460           | 1,994,728                         | 2,145,163   | 28,452,956    | 475,827                    | 3,852,415         | 812,660    | 955,852         | 374,088      | 8,714,829   | 1,364,942          |
| Johns Hopkins U. <sup>a</sup>                                     | 1    | 2,774,643            | 258,141                           | 73,509  | 765,565       | 113,772                    | 321,641           | 5,471      | 2,726           | 48,543       | 1,183,154   | 2,121              |
| U. Washington, Seattle  | 2    | 1,046,377            | 17,605                            | 105,493   | 683,132       | 5,223                      | 52,053            | 9,989      | 6,899           | 0            | 119,758     | 46,225             |
| U. Michigan, Ann Arbor  | 3    | 891,125              | 5,841                             | 7,910   | 549,127       | 5,490                      | 38,670            | 6,813      | 85,904          | 1,805        | 180,607     | 8,958              |
| Georgia Institute of Technology                                   | 4    | 852,319              | 121,473                           | 7,744   | 11,713        | 3,808                      | 22,213            | 1,944      | 3,055           | 0            | 666,235     | 14,134             |
| Columbia U. in the City of New York                               | 5    | 831,648              | 24,889                            | 53,955  | 611,343       | 2,190                      | 40,994            | 3,688      | 2,513           | 0            | 64,962      | 27,114             |
| Stanford U.   | 6    | 811,183              | 14,181                            | 8,901   | 578,172       | 5,209                      | 72,190            | 10,678     | 5,926           | 0            | 89,861      | 26,065             |
| U. California, San Diego  | 7    | 801,117              | 18,932                            | 107,137   | 465,019       | 2,995                      | 54,485            | 13,008     | 5,282           | 6,414        | 100,212     | 27,633             |
| U. Pennsylvania   | 8    | 792,089              | 16,523                            | 749   | 644,430       | 3,206                      | 39,630            | 9,265      | 12,742          | 1            | 49,526      | 16,017             |
| Duke U.   | 9    | 776,632              | 4,468                             | 5,406   | 638,716       | 6,364                      | 19,826            | 4,657      | 21,294          | 7            | 74,308      | 1,586              |
| U. North Carolina, Chapel Hill                                    | 10   | 747,895              | 27,834                            | 11,575  | 569,385       | 4,735                      | 25,924            | 24,136     | 43,473          | 0            | 19,983      | 20,850             |
| U. Pittsburgh, Pittsburgh   | 11   | 724,993              | 6,917                             | 7,431   | 628,092       | 1,861                      | 16,509            | 14,484     | 2,223           | 4,484        | 37,749      | 5,243              |
| U. California, Los Angeles  | 12   | 721,043              | 10,475                            | 31,060  | 523,747       | 9,562                      | 36,246            | 10,897     | 7,673           | 22,772       | 53,761      | 14,850             |
| U. Maryland <sup>b</sup>  | 13   | 713,283              | 33,768                            | 55,924  | 362,219       | 3,035                      | 83,425            | 7,813      | 35,980          | 15,232       | 95,898      | 19,989             |
| U. California, San Francisco                                      | 14   | 683,179              | 0                                 | 0   | 645,510       | 0                          | 37,312            | 0          | 0               | 357          | 0           | 0                  |
| Yale U.   | 15   | 647,656              | 5,107                             | 2,553   | 570,441       | 1,871                      | 29,641            | 6,256      | 2,083           | 0            | 23,578      | 6,126              |
| U. Wisconsin-Madison  | 16   | 646,764              | 14,687                            | 35,050  | 385,530       | 4,406                      | 60,580            | 6,299      | 26,100          | 23,564       | 75,104      | 15,444             |
| Pennsylvania State U., University Park and Hershey Medical Center | 17   | 622,532              | 56,263                            | 20,062  | 142,063       | 12,668                     | 53,869            | 26,302     | 10,718          | 0            | 284,244     | 16,343             |
| Harvard U.  | 18   | 616,589              | 11,767                            | 24,827  | 411,239       | 16,848                     | 59,262            | 1,867      | 32,441          | 141          | 50,918      | 7,279              |
| Washington U., Saint Louis  | 19   | 606,127              | 4,167                             | 5,585   | 528,261       | 821                        | 20,017            | 4,997      | 629             | 1,949        | 22,291      | 17,410             |
| Cornell U.  | 20   | 592,359              | 19,456                            | 4,852   | 385,534       | 2,047                      | 93,608            | 4,359      | 5,374           | 0            | 72,771      | 4,358              |
| Vanderbilt U. and Vanderbilt U. Medical Center                    | 21   | 586,880              | 12,495                            | 852   | 484,119       | 621                        | 15,636            | 7,238      | 2,959           | 0            | 43,570      | 19,390             |
| U. Southern California  | 22   | 574,185              | 110,401                           | 8,192   | 328,186       | 1,227                      | 13,175            | 4,508      | 41,252          | 143          | 51,948      | 15,153             |
| Northwestern U.   | 23   | 572,975              | 5,873                             | 782   | 426,804       | 1,005                      | 49,661            | 2,528      | 11,898          | 15,585       | 55,739      | 3,100              |
| U. Minnesota, Twin Cities   | 24   | 570,946              | 9,509                             | 8,548   | 388,235       | 5,674                      | 32,702            | 20,743     | 18,265          | 213          | 78,808      | 8,249              |
| Ohio State U.   | 25   | 559,797              | 6,904                             | 5,685   | 350,221       | 3,309                      | 30,584            | 6,411      | 9,443           | 22,834       | 88,435      | 35,971             |
| Icahn School of Medicine at Mount Sinai                           | 26   | 554,582              | 0                                 | 0   | 554,582       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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 |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| New York U.   | 27   | 547,027              | 9,830                             | 71  | 446,533       | 10,981                     | 19,664            | 22,255     | 6,585           | 0            | 18,633      | 12,475             |
| Texas A&M U., College Station and Health Science Center | 28   | 528,057              | 12,013                            | 81,667  | 250,689       | 4,925                      | 22,946            | 3,233      | 11,023          | 2,348        | 123,286     | 15,927             |
| Emory U.  | 29   | 515,940              | 964                               | 1,856   | 478,989       | 1,540                      | 18,181            | 4,218      | 905             | 0            | 8,356       | 931                |
| U. Texas, Austin  | 30   | 489,827              | 79,109                            | 20,837  | 84,849        | 5,691                      | 59,786            | 8,001      | 12,928          | 218          | 194,110     | 24,298             |
| Massachusetts Institute of Technology                   | 31   | 483,526              | 62,186                            | 20,764  | 75,204        | 5,009                      | 114,108           | 430        | 5,534           | 3,611        | 193,246     | 3,434              |
| U. Colorado Boulder                                     | 32   | 459,816              | 15,321                            | 116,175   | 43,726        | 2,601                      | 111,234           | 11,879     | 9,168           | 1,508        | 132,769     | 15,435             |
| U. Alabama, Birmingham                                  | 33   | 423,290              | 1,250                             | 188   | 366,366       | 362                        | 4,292             | 4,971      | 303             | 0            | 43,477      | 2,081              |
| U. Florida  | 34   | 423,154              | 8,849                             | 8,334   | 281,503       | 1,013                      | 17,471            | 9,487      | 5,584           | 0            | 72,191      | 18,722             |
| U. Illinois, Urbana-Champaign                           | 35   | 406,612              | 63,076                            | 4,965   | 121,883       | 2,092                      | 49,944            | 9,182      | 2,343           | 1,002        | 139,887     | 12,238             |
| Boston U.   | 36   | 402,443              | 6,725                             | 6,053   | 293,731       | 3,218                      | 23,002            | 13,117     | 869             | 1,433        | 48,537      | 5,758              |
| U. Chicago  | 37   | 394,275              | 25,470                            | 8,384   | 260,911       | 3,972                      | 47,425            | 4,837      | 13,190          | 0            | 25,909      | 4,177              |
| U. California, Davis                                    | 38   | 373,719              | 4,367                             | 5,881   | 279,849       | 3,678                      | 17,078            | 1,495      | 13,706          | 2            | 43,175      | 4,488              |
| Baylor C. of Medicine                                   | 39   | 365,472              | 0                                 | 0   | 365,472       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Colorado Anschutz Medical Campus <sup>c</sup>        | 40   | 363,999              | 0                                 | 212   | 361,493       | 0                          | 344               | 20         | 73              | 0            | 1,189       | 668                |
| U. California, Berkeley                                 | 41   | 354,478              | 201                               | 5,198   | 119,251       | 6,122                      | 90,707            | 9,164      | 5,495           | 33,983       | 78,026      | 6,331              |
| U. Arizona  | 42   | 353,117              | 8,999                             | 13,788  | 206,315       | 2,783                      | 73,148            | 2,381      | 6,333           | 2,380        | 34,360      | 2,630              |
| Michigan State U.                                       | 43   | 349,889              | 6,720                             | 3,071   | 141,436       | 5,596                      | 122,143           | 7,758      | 20,456          | 1,120        | 31,314      | 10,275             |
| Case Western Reserve U.                                 | 44   | 340,438              | 1,888                             | 493   | 294,556       | 458                        | 7,538             | 897        | 3,291           | 54           | 30,483      | 780                |
| U. Utah   | 45   | 340,434              | 21,958                            | 30,710  | 218,204       | 2,200                      | 19,543            | 4,196      | 3,396           | 0            | 29,330      | 10,897             |
| Rutgers, State U. New Jersey, New Brunswick             | 46   | 339,015              | 3,942                             | 12,836  | 254,944       | 6,239                      | 13,160            | 3,028      | 2,003           | 190          | 35,691      | 6,982              |
| Oregon Health and Science U.                            | 47   | 329,016              | 0                                 | 0   | 318,175       | 0                          | 0                 | 0          | 0               | 0            | 10,841      | 0                  |
| Indiana U., Bloomington                                 | 48   | 326,326              | 23,657                            | 2,420   | 251,142       | 1,260                      | 19,340            | 6,621      | 9,435           | 964          | 5,752       | 5,735              |
| U. Rochester  | 49   | 309,647              | 3,190                             | 2,207   | 185,919       | 210                        | 92,680            | 4,328      | 318             | 5,361        | 14,213      | 1,221              |
| U. Cincinnati   | 50   | 309,097              | 205                               | 303   | 282,277       | 620                        | 4,501             | 2,875      | 2,660           | 0            | 12,970      | 2,686              |
| Colorado State U., Fort Collins                         | 51   | 303,901              | 3,125                             | 46,601  | 187,839       | 2,573                      | 10,355            | 3,335      | 6,894           | 4,921        | 30,424      | 7,834              |
| U. Virginia, Charlottesville                            | 52   | 297,273              | 20,384                            | 3,582   | 190,160       | 1,320                      | 20,408            | 4,677      | 3,713           | 1,085        | 37,143      | 14,801             |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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 |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Purdue U., West Lafayette                     | 53   | 295,278              | 15,679                            | 3,938   | 84,604        | 1,513                      | 24,204            | 6,095      | 4,550           | 28           | 137,052     | 17,615             |
| California Institute of Technology            | 54   | 293,197              | 9,772                             | 25,067  | 67,899        | 605                        | 160,456           | 0          | 0               | 0            | 24,011      | 5,387              |
| U. Iowa                                       | 55   | 283,763              | 2,842                             | 348   | 212,393       | 273                        | 28,692            | 8,543      | 2,309           | 99           | 23,116      | 5,148              |
| Uniformed Services U. of the Health Sciences  | 56   | 275,573              | 0                                 | 0   | 262,204       | 0                          | 0                 | 13,369     | 0               | 0            | 0           | 0                  |
| Arizona State U.                              | 57   | 274,541              | 14,325                            | 49,889  | 56,184        | 2,396                      | 14,065            | 7,599      | 19,939          | 18,732       | 73,746      | 17,666             |
| Scripps Research Institute                    | 58   | 272,181              | 0                                 | 0   | 272,181       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Utah State U.                                 | 59   | 264,575              | 1,812                             | 690   | 24,945        | 174                        | 3,395             | 2,420      | 919             | 0            | 228,986     | 1,234              |
| U. Texas Southwestern Medical Center          | 60   | 257,611              | 0                                 | 0   | 257,611       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. California, Irvine                         | 61   | 255,010              | 11,215                            | 9,271   | 154,668       | 3,305                      | 24,451            | 3,507      | 2,142           | 0            | 29,315      | 17,136             |
| U. Massachusetts, Medical School              | 62   | 248,873              | 0                                 | 0   | 248,873       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. New Mexico                                 | 63   | 242,212              | 2,760                             | 6,164   | 180,991       | 1,197                      | 6,179             | 4,765      | 3,915           | 615          | 33,001      | 2,625              |
| North Carolina State U.                       | 64   | 239,115              | 12,833                            | 12,866  | 75,648        | 11,908                     | 15,032            | 1,060      | 4,445           | 8,959        | 91,430      | 4,934              |
| U. Illinois, Chicago                          | 65   | 237,949              | 6,425                             | 553   | 182,440       | 1,989                      | 12,875            | 1,587      | 2,396           | 265          | 21,610      | 7,809              |
| Carnegie Mellon U.                            | 66   | 234,993              | 131,071                           | 360   | 9,072         | 3,452                      | 11,139            | 8,940      | 3,225           | 4,401        | 63,083      | 250                |
| U. Miami                                      | 67   | 231,001              | 586                               | 44,559  | 167,201       | 356                        | 4,482             | 10,170     | 462             | 0            | 2,816       | 369                |
| Woods Hole Oceanographic Institution          | 68   | 222,351              | 0                                 | 129,085   | 0             | 0                          | 0                 | 0          | 0               | 0            | 93,266      | 0                  |
| U. Kentucky                                   | 69   | 220,703              | 2,223                             | 1,652   | 166,751       | 1,180                      | 7,061             | 3,379      | 1,628           | 1,691        | 33,001      | 2,137              |
| U. Texas M. D. Anderson Cancer Center         | 70   | 217,073              | 0                                 | 0   | 194,972       | 7,789                      | 8,179             | 2,854      | 3,279           | 0            | 0           | 0                  |
| Virginia Polytechnic Institute and State U.   | 71   | 216,733              | 8,484                             | 1,732   | 72,611        | 4,368                      | 13,944            | 1,868      | 3,156           | 48           | 108,080     | 2,442              |
| Albert Einstein C. of Medicine                | 72   | 214,619              | 0                                 | 0   | 214,619       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| SUNY, U. Buffalo                              | 73   | 210,257              | 8,770                             | 2,325   | 115,162       | 653                        | 8,075             | 3,854      | 1,104           | 491          | 66,790      | 3,033              |
| Princeton U.                                  | 74   | 205,000              | 14,768                            | 21,115  | 54,327        | 4,877                      | 56,283            | 2,116      | 6,743           | 0            | 44,201      | 570                |
| Brown U.                                      | 75   | 198,574              | 10,480                            | 5,321   | 108,063       | 8,558                      | 11,410            | 7,644      | 20,519          | 7,344        | 15,963      | 3,272              |
| U. Oklahoma, Norman and Health Science Center | 76   | 193,639              | 2,414                             | 69,382  | 79,517        | 402                        | 8,751             | 2,212      | 3,475           | 0            | 15,235      | 12,251             |
| Wake Forest U.                                | 77   | 188,887              | 145                               | 0   | 186,487       | 70                         | 1,470             | 69         | 24              | 0            | 544         | 78                 |
| U. Georgia                                    | 78   | 188,451              | 1,258                             | 7,051   | 135,261       | 1,096                      | 4,936             | 17,784     | 9,262           | 60           | 8,139       | 3,604              |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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. Kansas   | 79   | 187,249              | 2,269                             | 4,531   | 115,370       | 508                        | 12,448            | 8,056      | 1,319           | 0            | 12,206      | 30,542             |
| U. South Florida <sup>d</sup>                       | 80   | 185,364              | 2,875                             | 9,935   | 98,950        | 709                        | 4,803             | 1,692      | 15,894          | 237          | 26,183      | 24,086             |
| U. Connecticut                                      | 81   | 183,362              | 3,271                             | 7,650   | 105,940       | 1,268                      | 7,346             | 13,692     | 3,562           | 41           | 37,988      | 2,604              |
| U. Dayton   | 82   | 181,445              | 6,724                             | 461   | 529           | 0                          | 820               | 80         | 0               | 0            | 171,865     | 966                |
| Washington State U.                                 | 83   | 179,536              | 4,772                             | 5,103   | 101,065       | 356                        | 16,946            | 3,271      | 7,120           | 693          | 23,129      | 17,081             |
| Oregon State U.                                     | 84   | 179,180              | 6,182                             | 37,629  | 78,583        | 712                        | 4,453             | 706        | 3,251           | 3,102        | 38,914      | 5,648              |
| Iowa State U.                                       | 85   | 169,177              | 3,093                             | 2,725   | 56,344        | 9,537                      | 20,463            | 733        | 5,410           | 102          | 62,113      | 8,657              |
| Tufts U.  | 86   | 166,809              | 942                               | 215   | 115,629       | 6,640                      | 8,268             | 4,976      | 2,961           | 6,229        | 19,362      | 1,587              |
| U. Texas Health Science Center, Houston             | 87   | 165,139              | 0                                 | 0   | 165,139       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Missouri, Columbia                               | 88   | 163,576              | 5,692                             | 729   | 109,626       | 952                        | 6,710             | 4,219      | 576             | 661          | 15,905      | 18,506             |
| SUNY, Stony Brook U.                                | 89   | 162,972              | 10,753                            | 12,214  | 72,683        | 4,824                      | 33,285            | 4,112      | 462             | 5,606        | 17,613      | 1,420              |
| Medical U. South Carolina                           | 90   | 162,394              | 0                                 | 0   | 162,394       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| George Washington U.                                | 91   | 161,349              | 2,907                             | 59  | 122,600       | 555                        | 4,872             | 2,282      | 8,227           | 1,921        | 15,052      | 2,874              |
| Virginia Commonwealth U.                            | 92   | 160,995              | 1,335                             | 200   | 117,761       | 529                        | 2,348             | 8,904      | 520             | 0            | 9,924       | 19,474             |
| U. Hawaii, Manoa                                    | 93   | 157,772              | 11,062                            | 45,399  | 62,074        | 410                        | 16,519            | 237        | 1,545           | 3,154        | 16,553      | 819                |
| U. Delaware   | 94   | 157,725              | 3,404                             | 11,596  | 32,572        | 1,204                      | 21,099            | 6,801      | 5,713           | 1,772        | 68,504      | 5,060              |
| Temple U.   | 95   | 153,316              | 2,571                             | 449   | 117,907       | 667                        | 10,707            | 7,574      | 1,486           | 6            | 4,734       | 7,215              |
| Dartmouth C. and Dartmouth Hitchcock Medical Center | 96   | 152,335              | 5,783                             | 1,085   | 98,639        | 1,326                      | 9,181             | 9,477      | 1,196           | 636          | 24,126      | 886                |
| Florida State U.                                    | 97   | 150,108              | 3,710                             | 7,904   | 30,746        | 1,894                      | 37,224            | 8,887      | 2,050           | 602          | 34,492      | 22,599             |
| Northeastern U.                                     | 98   | 143,421              | 16,182                            | 2,358   | 18,436        | 721                        | 16,081            | 7,113      | 8,200           | 0            | 69,550      | 4,780              |
| Medical C. Wisconsin                                | 99   | 136,385              | 0                                 | 0   | 131,164       | 0                          | 0                 | 0          | 0               | 0            | 5,221       | 0                  |
| U. Tennessee, Knoxville                             | 100  | 135,202              | 8,756                             | 2,558   | 32,204        | 599                        | 11,804            | 1,475      | 1,597           | 7,524        | 66,556      | 2,129              |
| Georgetown U.                                       | 101  | 130,419              | 3,703                             | 0   | 109,131       | 180                        | 8,304             | 949        | 6,531           | 0            | 0           | 1,621              |
| U. Alaska, Fairbanks                                | 102  | 128,229              | 947                               | 76,984  | 23,554        | 165                        | 11,116            | 0          | 1,163           | 963          | 11,355      | 1,982              |
| U. California, Santa Barbara                        | 103  | 122,168              | 6,064                             | 16,253  | 12,283        | 852                        | 34,841            | 2,266      | 1,686           | 0            | 44,958      | 2,965              |
| Wayne State U.                                      | 104  | 117,976              | 1,353                             | 63  | 88,791        | 499                        | 12,051            | 1,602      | 845             | 809          | 5,695       | 6,268              |
| U. Texas Medical Branch                             | 105  | 117,915              | 0                                 | 0   | 117,490       | 0                          | 0                 | 0          | 0               | 0            | 425         | 0                  |
| U. Alabama, Huntsville                              | 106  | 116,971              | 45,627                            | 14,376  | 330           | 15                         | 10,716            | 0          | 597             | 0            | 44,780      | 530                |
| Mississippi State U.                                | 107  | 116,713              | 2,269                             | 11,429  | 42,435        | 238                        | 2,399             | 278        | 10,795          | 461          | 44,188      | 2,221              |
| U. Massachusetts, Amherst                           | 108  | 116,349              | 15,410                            | 2,117   | 37,266        | 2,290                      | 15,054            | 5,747      | 1,889           | 310          | 32,063      | 4,203              |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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 |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Tulane U.                                   | 109  | 113,819              | 1,472                             | 2,074   | 98,650        | 381                        | 3,041             | 1,202      | 2,598           | 0            | 4,016       | 385                |
| Montana State U., Bozeman                   | 110  | 113,257              | 1,141                             | 3,609   | 36,541        | 1,403                      | 16,551            | 84         | 910             | 5,544        | 39,190      | 8,284              |
| U. Nebraska, Medical Center                 | 111  | 111,042              | 0                                 | 0   | 111,042       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Notre Dame                               | 112  | 109,891              | 8,037                             | 0   | 12,920        | 2,661                      | 29,976            | 3,684      | 1,611           | 3,515        | 42,501      | 4,986              |
| Thomas Jefferson U.                         | 113  | 109,448              | 0                                 | 0   | 109,364       | 0                          | 0                 | 0          | 0               | 0            | 55          | 29                 |
| U. Central Florida                          | 114  | 109,310              | 21,437                            | 1,498   | 15,068        | 603                        | 20,915            | 5,719      | 951             | 90           | 36,318      | 6,711              |
| U. Texas Health Science Center, San Antonio | 115  | 106,824              | 0                                 | 0   | 106,824       | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Nebraska, Lincoln                        | 116  | 106,564              | 4,327                             | 640   | 48,519        | 658                        | 15,445            | 7,108      | 5,443           | 0            | 21,450      | 2,974              |
| Florida International U.                    | 117  | 105,309              | 8,929                             | 9,569   | 20,713        | 520                        | 14,476            | 17,520     | 4,126           | 816          | 23,801      | 4,839              |
| George Mason U.                             | 118  | 103,712              | 19,379                            | 11,636  | 10,609        | 1,529                      | 3,561             | 1,495      | 7,601           | 14           | 44,086      | 3,802              |
| U. Vermont                                  | 119  | 103,554              | 951                               | 1,824   | 87,438        | 322                        | 2,061             | 1,531      | 667             | 2,787        | 5,537       | 436                |
| Louisiana State U., Baton Rouge             | 120  | 103,178              | 10,944                            | 7,740   | 51,067        | 1,656                      | 13,940            | 159        | 1,363           | 102          | 11,014      | 5,193              |
| U. New Hampshire                            | 121  | 99,323               | 567                               | 44,691  | 29,183        | 352                        | 2,355             | 534        | 8,913           | 0            | 8,984       | 3,744              |
| U. South Carolina, Columbia                 | 122  | 97,193               | 2,248                             | 3,288   | 53,300        | 1,267                      | 1,467             | 4,653      | 7,877           | 0            | 17,042      | 6,051              |
| U. California, Riverside                    | 123  | 97,182               | 5,841                             | 4,764   | 45,420        | 1,520                      | 14,667            | 2,457      | 914             | 1,356        | 18,541      | 1,702              |
| U. Louisville                               | 124  | 97,179               | 14                                | 171   | 77,090        | 311                        | 1,406             | 707        | 379             | 6            | 11,844      | 5,251              |
| Rockefeller U.                              | 125  | 96,318               | 0                                 | 334   | 92,292        | 111                        | 3,581             | 0          | 0               | 0            | 0           | 0                  |
| Rice U.                                     | 126  | 95,648               | 8,006                             | 2,546   | 7,628         | 3,934                      | 17,271            | 4,283      | 2,229           | 418          | 46,799      | 2,534              |
| Drexel U.                                   | 127  | 93,517               | 4,413                             | 0   | 58,129        | 550                        | 1,429             | 1,824      | 792             | 240          | 20,821      | 5,319              |
| Auburn U., Auburn                           | 128  | 91,157               | 2,151                             | 1,675   | 35,103        | 395                        | 6,649             | 510        | 2,819           | 796          | 40,288      | 771                |
| Clemson U.                                  | 129  | 89,883               | 3,143                             | 0   | 20,765        | 1,384                      | 6,037             | 928        | 4,781           | 0            | 46,693      | 6,152              |
| West Virginia U.                            | 130  | 89,802               | 1,742                             | 1,749   | 51,717        | 374                        | 8,900             | 1,531      | 1,301           | 361          | 18,042      | 4,085              |
| U. California, Santa Cruz                   | 131  | 86,263               | 2,407                             | 15,976  | 17,564        | 139                        | 16,115            | 19         | 665             | 0            | 33,002      | 376                |
| U. Arkansas for Medical Sciences            | 132  | 83,387               | 0                                 | 0   | 83,387        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Oregon                                   | 133  | 82,242               | 4,811                             | 5,371   | 29,640        | 641                        | 9,747             | 16,939     | 1,468           | 0            | 0           | 13,625             |
| Georgia State U.                            | 134  | 79,834               | 1,643                             | 682   | 34,512        | 1,009                      | 10,035            | 3,131      | 10,424          | 0            | 0           | 18,398             |
| U. Rhode Island                             | 135  | 78,923               | 416                               | 33,815  | 21,298        | 0                          | 2,203             | 1,752      | 1,129           | 8,417        | 7,962       | 1,931              |
| Kansas State U.                             | 136  | 77,779               | 2,377                             | 444   | 40,991        | 158                        | 9,082             | 3,115      | 3,447           | 1,506        | 13,810      | 2,849              |
| U. Houston                                  | 137  | 77,489               | 2,337                             | 3,418   | 19,471        | 2,743                      | 6,931             | 9,784      | 412             | 1,539        | 26,599      | 4,255              |
| Wichita State U.                            | 138  | 77,427               | 0                                 | 255   | 6,332         | 139                        | 853               | 207        | 9               | 0            | 64,692      | 4,940              |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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. Nevada, Reno                     | 139  | 77,246               | 3,896                             | 6,038   | 43,804        | 468                        | 4,912             | 3,647      | 2,017           | 39           | 11,419      | 1,006              |
| New Jersey Institute of Technology  | 140  | 77,057               | 3,448                             | 0   | 7,820         | 1,549                      | 8,145             | 0          | 76              | 0            | 50,822      | 5,197              |
| U. Mississippi                      | 141  | 76,886               | 119                               | 1,220   | 60,201        | 201                        | 7,712             | 0          | 115             | 0            | 4,487       | 2,831              |
| Rush U.                             | 142  | 73,279               | 0                                 | 0   | 70,912        | 0                          | 0                 | 2,367      | 0               | 0            | 0           | 0                  |
| U. Montana, Missoula                | 143  | 70,686               | 1,619                             | 3,391   | 51,926        | 405                        | 6,313             | 467        | 2,719           | 0            | 0           | 3,846              |
| U. Louisiana, Lafayette             | 144  | 65,436               | 3,227                             | 3,772   | 26,466        | 235                        | 3,392             | 0          | 3,730           | 57           | 6,909       | 17,648             |
| U. Maine                            | 145  | 65,249               | 824                               | 8,996   | 19,690        | 18                         | 2,289             | 135        | 222             | 3,624        | 27,452      | 1,999              |
| New Mexico State U.                 | 146  | 64,699               | 3,464                             | 3,286   | 21,918        | 77                         | 14,524            | 198        | 451             | 360          | 19,957      | 464                |
| Augusta U.                          | 147  | 61,943               | 84                                | 0   | 61,727        | 44                         | 0                 | 88         | 0               | 0            | 0           | 0                  |
| Colorado School of Mines            | 148  | 61,421               | 3,746                             | 3,708   | 2,479         | 645                        | 9,963             | 0          | 1,097           | 0            | 37,909      | 1,874              |
| U. Maryland, Baltimore County       | 149  | 59,882               | 7,385                             | 12,883  | 7,736         | 228                        | 17,339            | 1,015      | 5,898           | 1,176        | 4,657       | 1,565              |
| U. North Dakota                     | 150  | 58,463               | 693                               | 2,794   | 17,046        | 0                          | 703               | 325        | 22              | 4            | 35,155      | 1,721              |
| U. Texas, Dallas                    | 151  | 58,249               | 6,367                             | 128   | 13,432        | 930                        | 9,314             | 1,853      | 824             | 137          | 24,793      | 471                |
| Cold Spring Harbor Laboratory       | 152  | 56,907               | 0                                 | 0   | 56,889        | 0                          | 0                 | 0          | 0               | 0            | 0           | 18                 |
| SUNY, U. Albany                     | 153  | 56,425               | 1,596                             | 6,809   | 38,544        | 344                        | 3,663             | 1,227      | 1,902           | 0            | 1,393       | 947                |
| U. Tennessee, Health Science Center | 154  | 56,021               | 0                                 | 0   | 56,021        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Naval Postgraduate School           | 155  | 54,855               | 3,953                             | 6,195   | 1,209         | 1,941                      | 5,658             | 40         | 5,622           | 3,950        | 20,798      | 5,489              |
| U. Wyoming                          | 156  | 54,444               | 971                               | 8,601   | 28,786        | 1,258                      | 1,748             | 47         | 589             | 4,792        | 7,391       | 261                |
| U. Alabama, Tuscaloosa              | 157  | 53,880               | 4,438                             | 822   | 6,041         | 243                        | 4,913             | 2,362      | 1,711           | 0            | 25,859      | 7,491              |
| Rensselaer Polytechnic Institute    | 158  | 52,465               | 5,398                             | 1,299   | 3,934         | 991                        | 4,033             | 2,075      | 196             | 78           | 31,832      | 2,629              |
| Brandeis U.                         | 159  | 52,147               | 1,006                             | 0   | 22,656        | 513                        | 9,885             | 3,004      | 5,849           | 0            | 409         | 8,825              |
| U. Idaho                            | 160  | 51,021               | 1,476                             | 1,924   | 35,296        | 142                        | 831               | 101        | 2,779           | 52           | 6,705       | 1,715              |
| U. Arkansas, Fayetteville           | 161  | 48,534               | 2,541                             | 3,326   | 15,881        | 34                         | 4,371             | 241        | 1,300           | 0            | 17,980      | 2,860              |
| U. Massachusetts, Lowell            | 162  | 48,179               | 4,440                             | 1,789   | 5,842         | 60                         | 11,048            | 907        | 4,000           | 0            | 18,884      | 1,209              |
| Oklahoma State U., Stillwater       | 163  | 47,428               | 460                               | 801   | 21,210        | 472                        | 2,640             | 2,316      | 363             | 1,662        | 15,319      | 2,185              |
| Cleveland State U.                  | 164  | 47,402               | 0                                 | 0   | 38,233        | 183                        | 313               | 96         | 265             | 0            | 7,748       | 564                |
| U. Texas, Arlington                 | 165  | 46,946               | 2,674                             | 254   | 7,783         | 863                        | 8,778             | 194        | 7               | 0            | 23,581      | 2,812              |
| U. Southern Mississippi             | 166  | 44,401               | 182                               | 20,411  | 7,633         | 0                          | 11,564            | 118        | 1,200           | 0            | 1,970       | 1,323              |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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. Texas, El Paso                                       | 167  | 43,930               | 4,670                             | 1,512   | 12,399        | 827                        | 4,537             | 1,627      | 925             | 286          | 15,602      | 1,545              |
| San Diego State U.                                      | 168  | 43,473               | 657                               | 1,091   | 17,106        | 1,157                      | 2,931             | 12,013     | 848             | 31           | 4,553       | 3,086              |
| U. Texas, San Antonio                                   | 169  | 42,952               | 11,594                            | 2,037   | 11,786        | 116                        | 5,338             | 753        | 1,848           | 359          | 7,346       | 1,775              |
| North Dakota State U.                                   | 170  | 42,824               | 346                               | 164   | 22,286        | 84                         | 6,937             | 986        | 450             | 2,053        | 4,341       | 5,177              |
| Northern Arizona U.                                     | 171  | 41,744               | 811                               | 4,968   | 25,641        | 0                          | 3,885             | 181        | 126             | 368          | 4,910       | 854                |
| Michigan Technological U.                               | 172  | 41,505               | 2,074                             | 9,646   | 859           | 226                        | 1,248             | 106        | 495             | 180          | 26,289      | 382                |
| Saint Louis U.  | 173  | 41,411               | 734                               | 278   | 36,701        | 170                        | 1,237             | 165        | 160             | 0            | 1,183       | 783                |
| Florida A&M U.  | 174  | 36,761               | 16                                | 5,255   | 19,995        | 0                          | 1,344             | 207        | 0               | 0            | 4,852       | 5,092              |
| Howard U.   | 175  | 35,443               | 740                               | 289   | 19,875        | 0                          | 4,733             | 1,510      | 340             | 0            | 7,420       | 536                |
| Mercer U.   | 176  | 34,413               | 16                                | 0   | 2,344         | 0                          | 0                 | 0          | 46              | 84           | 31,923      | 0                  |
| Louisiana State U., Health Sciences Center, New Orleans | 177  | 34,272               | 0                                 | 0   | 34,272        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Boston C.   | 178  | 34,257               | 402                               | 5,459   | 7,427         | 908                        | 8,597             | 2,314      | 3,631           | 0            | 0           | 5,519              |
| CUNY, City C.   | 179  | 34,218               | 552                               | 1,460   | 6,672         | 125                        | 7,213             | 0          | 0               | 0            | 18,078      | 118                |
| Syracuse U.   | 180  | 34,200               | 1,557                             | 1,073   | 5,223         | 457                        | 8,073             | 1,695      | 3,260           | 3            | 8,013       | 4,846              |
| Stevens Institute of Technology                         | 181  | 33,998               | 4,104                             | 0   | 83            | 42                         | 1,500             | 0          | 0               | 130          | 26,766      | 1,373              |
| Texas Tech U.   | 182  | 33,938               | 916                               | 4,463   | 5,784         | 210                        | 4,067             | 1,232      | 98              | 0            | 15,359      | 1,809              |
| U. Puerto Rico, Medical Sciences Campus                 | 183  | 33,262               | 0                                 | 265   | 32,997        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Toledo   | 184  | 32,601               | 0                                 | 3,371   | 13,665        | 0                          | 7,627             | 153        | 21              | 0            | 7,574       | 190                |
| U. North Texas, Health Science Center                   | 185  | 32,464               | 0                                 | 0   | 32,464        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U.S. Air Force Academy                                  | 186  | 31,818               | 150                               | 34  | 369           | 0                          | 2,348             | 0          | 3               | 0            | 28,914      | 0                  |
| Boise State U.  | 187  | 31,357               | 1,197                             | 2,250   | 8,959         | 1,203                      | 4,976             | 105        | 1,566           | 201          | 9,596       | 1,304              |
| Rochester Institute of Technology                       | 188  | 31,187               | 5,662                             | 0   | 763           | 1,605                      | 8,426             | 99         | 489             | 0            | 10,659      | 3,484              |
| Texas State U.  | 189  | 31,116               | 818                               | 2,168   | 4,329         | 875                        | 2,774             | 193        | 3,212           | 30           | 1,537       | 15,180             |
| San Jose State U.                                       | 190  | 30,877               | 0                                 | 6,871   | 1,047         | 276                        | 2,129             | 18,043     | 790             | 0            | 700         | 1,021              |
| Brigham Young U., Provo                                 | 191  | 30,439               | 841                               | 287   | 5,937         | 466                        | 4,414             | 222        | 753             | 0            | 15,694      | 1,825              |
| Indiana U.-Purdue U., Indianapolis                      | 192  | 30,290               | 2,798                             | 583   | 11,825        | 365                        | 1,871             | 3,422      | 2,395           | 1,242        | 4,040       | 1,749              |



TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Worcester Polytechnic Institute                    | 193  | 30,166               | 7,405                             | 0   | 1,065         | 1,375                      | 2,171             | 0          | 1,091           | 0            | 16,095      | 964                |
| William & Mary                                     | 194  | 29,928               | 1,670                             | 12,138  | 1,635         | 329                        | 4,140             | 255        | 4,366           | 0            | 0           | 5,395              |
| Portland State U.                                  | 195  | 29,842               | 1,390                             | 1,510   | 11,566        | 942                        | 1,462             | 1,176      | 1,663           | 367          | 4,021       | 5,745              |
| Lehigh U.  | 196  | 29,051               | 1,734                             | 939   | 4,707         | 127                        | 2,534             | 306        | 160             | 0            | 16,976      | 1,568              |
| Florida Atlantic U.                                | 197  | 28,510               | 1,562                             | 638   | 11,315        | 643                        | 1,135             | 1,036      | 105             | 0            | 11,045      | 1,031              |
| SUNY, Downstate Health Sciences U.                 | 198  | 27,620               | 0                                 | 0   | 27,620        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Nevada, Las Vegas                               | 199  | 27,178               | 443                               | 3,096   | 13,583        | 48                         | 4,170             | 3          | 189             | 195          | 4,037       | 1,414              |
| U. North Carolina, Charlotte                       | 200  | 27,145               | 8,282                             | 573   | 2,589         | 673                        | 2,577             | 328        | 1,401           | 0            | 9,381       | 1,341              |
| Air Force Institute of Technology                  | 201  | 27,025               | 1,551                             | 175   | 0             | 197                        | 8,037             | 0          | 0               | 0            | 17,065      | 0                  |
| Loyola U., Chicago                                 | 202  | 26,793               | 161                               | 0   | 23,288        | 67                         | 716               | 1,048      | 544             | 0            | 0           | 969                |
| Missouri U. of Science and Technology              | 203  | 26,164               | 1,228                             | 0   | 97            | 250                        | 2,652             | 91         | 49              | 0            | 21,797      | 0                  |
| North Carolina Agricultural and Technical State U. | 204  | 25,755               | 1,148                             | 0   | 9,455         | 763                        | 1,125             | 236        | 37              | 0            | 9,071       | 3,920              |
| Old Dominion U.                                    | 205  | 25,514               | 1,196                             | 2,096   | 3,286         | 865                        | 4,475             | 913        | 644             | 0            | 9,683       | 2,356              |
| SUNY, Polytechnic Institute                        | 206  | 25,427               | 0                                 | 0   | 1,408         | 0                          | 0                 | 0          | 0               | 0            | 24,019      | 0                  |
| Morehouse School of Medicine                       | 207  | 25,181               | 0                                 | 0   | 25,181        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| SUNY, Upstate Medical U.                           | 208  | 24,974               | 0                                 | 0   | 24,974        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| New Mexico Institute of Mining and Technology      | 209  | 24,900               | 6,668                             | 6,427   | 244           | 0                          | 1,139             | 0          | 0               | 0            | 10,164      | 258                |
| Illinois Institute of Technology                   | 210  | 24,762               | 2,355                             | 217   | 7,769         | 312                        | 2,909             | 0          | 13              | 4            | 11,070      | 113                |
| U. North Carolina, Greensboro                      | 211  | 24,423               | 692                               | 0   | 5,785         | 213                        | 2,761             | 2,403      | 503             | 0            | 0           | 12,066             |
| U. Wisconsin-Milwaukee                             | 212  | 24,397               | 157                               | 2,323   | 5,486         | 0                          | 7,800             | 2,731      | 2,243           | 11           | 3,193       | 453                |
| U. South Alabama                                   | 213  | 23,758               | 3,560                             | 1,883   | 13,027        | 162                        | 499               | 310        | 274             | 0            | 3,209       | 834                |
| U. Massachusetts, Boston                           | 214  | 23,673               | 716                               | 984   | 5,050         | 70                         | 2,420             | 2,031      | 3,169           | 0            | 498         | 8,735              |
| U. Denver  | 215  | 23,415               | 22                                | 31  | 3,327         | 37                         | 2,532             | 4,978      | 1,549           | 0            | 1,037       | 9,902              |
| SUNY, Binghamton U.                                | 216  | 23,225               | 1,910                             | 207   | 1,649         | 85                         | 5,541             | 4,331      | 826             | 0            | 7,463       | 1,213              |
| CUNY, Hunter C.                                    | 217  | 23,166               | 1,165                             | 162   | 4,388         | 183                        | 4,840             | 10,035     | 502             | 0            | 0           | 1,891              |



TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Catholic U. of America                       | 218  | 23,128               | 0                                 | 0   | 1,255         | 53                         | 18,569            | 324        | 5               | 0            | 2,680       | 242                |
| East Carolina U.                             | 219  | 22,813               | 309                               | 1,198   | 13,680        | 0                          | 1,387             | 612        | 1,071           | 0            | 1,376       | 3,180              |
| Van Andel Research Institute                 | 220  | 22,231               | 0                                 | 0   | 22,231        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Memphis                                   | 221  | 21,578               | 4,492                             | 1,590   | 3,928         | 240                        | 1,309             | 1,632      | 2,072           | 0            | 2,275       | 4,040              |
| U. Missouri, Kansas City                     | 222  | 21,203               | 509                               | 96  | 11,443        | 0                          | 1,104             | 117        | 9               | 0            | 7,506       | 419                |
| U. Nebraska, central administration          | 223  | 20,675               | 448                               | 0   | 12,391        | 0                          | 0                 | 0          | 0               | 0            | 7,510       | 326                |
| Tennessee State U.                           | 224  | 20,378               | 445                               | 314   | 15,633        | 110                        | 145               | 257        | 509             | 0            | 2,732       | 233                |
| Wright State U.                              | 225  | 19,617               | 2,740                             | 104   | 7,544         | 67                         | 1,268             | 975        | 0               | 0            | 6,695       | 224                |
| Ohio U.                                      | 226  | 19,164               | 243                               | 1,120   | 6,837         | 25                         | 4,143             | 1,048      | 292             | 0            | 5,340       | 116                |
| U. North Texas, Denton                       | 227  | 18,702               | 2,189                             | 847   | 2,767         | 205                        | 2,696             | 583        | 291             | 0            | 7,232       | 1,892              |
| U. California, Merced                        | 228  | 18,621               | 862                               | 1,948   | 4,426         | 1,466                      | 2,865             | 58         | 129             | 599          | 4,627       | 1,641              |
| South Dakota State U.                        | 229  | 18,607               | 0                                 | 604   | 11,133        | 302                        | 1,448             | 499        | 665             | 0            | 3,854       | 102                |
| Ponce Health Sciences U.                     | 230  | 18,284               | 0                                 | 0   | 16,996        | 0                          | 0                 | 1,288      | 0               | 0            | 0           | 0                  |
| Southern Methodist U.                        | 231  | 17,886               | 127                               | 3,893   | 1,365         | 1,199                      | 3,420             | 1,132      | 77              | 0            | 3,590       | 3,083              |
| Rowan U.                                     | 232  | 17,400               | 453                               | 158   | 6,086         | 202                        | 1,404             | 686        | 58              | 129          | 8,035       | 189                |
| Desert Research Institute                    | 233  | 16,641               | 0                                 | 16,608  | 33            | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Delaware State U.                            | 234  | 16,460               | 179                               | 247   | 9,554         | 3                          | 1,833             | 333        | 114             | 0            | 198         | 3,999              |
| Morgan State U.                              | 235  | 16,319               | 624                               | 3,298   | 5,281         | 129                        | 759               | 0          | 115             | 0            | 5,001       | 1,112              |
| Rutgers, State U. New Jersey, Newark         | 236  | 16,281               | 1,984                             | 1,587   | 8,709         | 0                          | 2,020             | 483        | 108             | 0            | 0           | 1,390              |
| San Francisco State U.                       | 237  | 15,993               | 564                               | 1,773   | 8,039         | 256                        | 1,218             | 304        | 1,329           | 1,197        | 990         | 323                |
| Tuskegee U.                                  | 238  | 15,424               | 463                               | 0   | 6,933         | 1,146                      | 169               | 0          | 2,500           | 0            | 4,213       | 0                  |
| Kent State U.                                | 239  | 15,179               | 456                               | 296   | 4,224         | 212                        | 3,843             | 2,467      | 930             | 362          | 830         | 1,559              |
| U. Puerto Rico, Rio Piedras                  | 240  | 15,108               | 258                               | 2,639   | 3,247         | 120                        | 4,104             | 7          | 60              | 3,366        | 1,152       | 155                |
| U. Alaska, Anchorage                         | 241  | 15,079               | 63                                | 4,761   | 6,170         | 0                          | 1,010             | 261        | 1,625           | 93           | 869         | 227                |
| Embry-Riddle Aeronautical U.                 | 242  | 14,859               | 1,697                             | 575   | 0             | 62                         | 2,482             | 0          | 170             | 0            | 9,272       | 601                |
| Eastern Virginia Medical School              | 243  | 14,774               | 0                                 | 0   | 14,774        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Guam                                      | 244  | 14,316               | 0                                 | 5,001   | 8,519         | 81                         | 86                | 0          | 171             | 4            | 0           | 454                |
| U. Maryland Center for Environmental Science | 245  | 14,072               | 0                                 | 7,217   | 5,603         | 0                          | 256               | 0          | 166             | 0            | 0           | 830                |
| Jackson State U.                             | 246  | 14,038               | 468                               | 0   | 2,686         | 39                         | 7,625             | 144        | 67              | 93           | 1,817       | 1,099              |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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., Northridge                               | 247  | 13,989               | 358                               | 663   | 3,292         | 628                        | 6,665             | 231        | 383             | 74           | 1,069       | 626                |
| Western Michigan U. and Homer Stryker M.D. School of Medicine | 248  | 13,944               | 150                               | 453   | 1,972         | 9                          | 838               | 177        | 27              | 33           | 4,194       | 6,091              |
| Marquette U.  | 249  | 13,918               | 675                               | 0   | 5,446         | 684                        | 2,614             | 185        | 0               | 0            | 3,866       | 448                |
| Meharry Medical C.  | 250  | 13,784               | 0                                 | 0   | 13,784        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U.S. Military Academy   | 251  | 13,708               | 1,878                             | 2   | 2,574         | 456                        | 338               | 0          | 919             | 156          | 7,334       | 51                 |
| U. Nebraska, Omaha  | 252  | 13,503               | 1,591                             | 16  | 6,315         | 366                        | 47                | 371        | 915             | 2,783        | 545         | 554                |
| U. West Florida   | 253  | 13,313               | 1,625                             | 0   | 703           | 0                          | 1,014             | 78         | 4               | 0            | 265         | 9,624              |
| Albany Medical C.   | 254  | 13,166               | 0                                 | 0   | 13,166        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. of the Virgin Islands                                      | 255  | 13,099               | 90                                | 5,241   | 5,203         | 439                        | 1,069             | 0          | 248             | 0            | 809         | 0                  |
| U. Puerto Rico, Mayaguez                                      | 256  | 13,073               | 0                                 | 2,014   | 1,729         | 87                         | 687               | 0          | 30              | 0            | 8,136       | 390                |
| Florida Institute of Technology                               | 257  | 13,049               | 3,698                             | 1,326   | 1,574         | 132                        | 2,448             | 305        | 0               | 0            | 2,903       | 663                |
| U. Texas Rio Grande Valley                                    | 258  | 13,018               | 188                               | 605   | 7,186         | 345                        | 1,083             | 0          | 0               | 63           | 2,885       | 663                |
| Marshall U.   | 259  | 12,854               | 54                                | 233   | 10,409        | 0                          | 155               | 0          | 0               | 0            | 1,671       | 332                |
| U. Hawaii, system office                                      | 260  | 12,688               | 1,313                             | 11,375  | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Southern Illinois U., Carbondale                              | 261  | 12,655               | 0                                 | 772   | 9,451         | 5                          | 1,081             | 239        | 115             | 386          | 606         | 0                  |
| CUNY, Queens C.   | 262  | 12,386               | 253                               | 251   | 8,529         | 221                        | 1,475             | 878        | 172             | 0            | 0           | 607                |
| Louisiana State U., Health Sciences Center, Shreveport        | 263  | 12,359               | 0                                 | 0   | 12,359        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| CUNY, Graduate School of Public Health and Health Policy      | 264  | 12,254               | 0                                 | 0   | 11,244        | 0                          | 0                 | 1,010      | 0               | 0            | 0           | 0                  |
| Texas Tech U., Health Sciences Center                         | 265  | 12,148               | 0                                 | 0   | 12,114        | 0                          | 0                 | 0          | 0               | 0            | 0           | 34                 |
| American U.   | 266  | 12,076               | 146                               | 493   | 292           | 563                        | 3,136             | 127        | 3,675           | 632          | 0           | 3,012              |
| U. Texas Health Science Center, Tyler                         | 267  | 12,007               | 0                                 | 0   | 12,007        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Colorado Denver <sup>C</sup>                               | 268  | 11,866               | 411                               | 330   | 1,487         | 1,119                      | 1,561             | 706        | 292             | 0            | 3,152       | 2,808              |
| CUNY, Advanced Science Research Center                        | 269  | 11,840               | 0                                 | 877   | 4,399         | 0                          | 4,719             | 0          | 0               | 0            | 1,845       | 0                  |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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. Baltimore                                     | 270  | 11,692               | 46                                | 0   | 0             | 0                          | 45                | 0          | 757             | 0            | 0           | 10,844             |
| U. South Dakota                                  | 271  | 11,664               | 86                                | 0   | 8,496         | 0                          | 1,754             | 461        | 13              | 0            | 731         | 123                |
| South Dakota School of Mines and Technology      | 272  | 11,587               | 33                                | 0   | 0             | 216                        | 1,504             | 0          | 0               | 0            | 9,834       | 0                  |
| Hampton U.                                       | 273  | 11,517               | 994                               | 2,881   | 1,685         | 344                        | 3,409             | 0          | 1,041           | 0            | 827         | 336                |
| Xavier U. Louisiana                              | 274  | 11,213               | 652                               | 0   | 2,040         | 0                          | 8,325             | 0          | 0               | 0            | 57          | 139                |
| California State U., Long Beach                  | 275  | 11,178               | 90                                | 220   | 2,651         | 446                        | 2,574             | 1,411      | 515             | 0            | 2,942       | 329                |
| California Polytechnic State U., San Luis Obispo | 276  | 11,163               | 436                               | 973   | 3,178         | 2,147                      | 932               | 0          | 483             | 0            | 2,636       | 378                |
| Baylor U.  | 277  | 11,025               | 101                               | 408   | 5,327         | 408                        | 2,661             | 313        | 27              | 36           | 1,598       | 146                |
| Texas A&M U.-Corpus Christi                      | 278  | 10,967               | 258                               | 3,075   | 2,899         | 0                          | 808               | 0          | 265             | 137          | 2,340       | 1,185              |
| New York Medical C.                              | 279  | 10,739               | 0                                 | 0   | 10,739        | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| North Carolina Central U.                        | 280  | 10,676               | 0                                 | 171   | 5,699         | 0                          | 2,990             | 0          | 12              | 0            | 959         | 845                |
| Nova Southeastern U.                             | 281  | 10,386               | 0                                 | 5,135   | 5,098         | 0                          | 0                 | 153        | 0               | 0            | 0           | 0                  |
| U.S. Naval Academy                               | 282  | 10,247               | 684                               | 613   | 0             | 847                        | 1,499             | 0          | 0               | 0            | 6,604       | 0                  |
| Loma Linda U.                                    | 283  | 10,116               | 0                                 | 0   | 9,436         | 0                          | 0                 | 595        | 0               | 0            | 0           | 85                 |
| Northeast Ohio Medical U.                        | 284  | 9,999                | 0                                 | 0   | 9,982         | 0                          | 0                 | 0          | 17              | 0            | 0           | 0                  |
| Charles R. Drew U. of Medicine and Science       | 285  | 9,945                | 0                                 | 0   | 9,945         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Illinois State U.                                | 286  | 9,787                | 76                                | 381   | 3,685         | 119                        | 923               | 0          | 10              | 0            | 0           | 4,593              |
| Prairie View A&M U.                              | 287  | 9,566                | 188                               | 0   | 5,337         | 81                         | 807               | 0          | 17              | 0            | 2,885       | 251                |
| Miami U.   | 288  | 9,412                | 68                                | 496   | 3,131         | 269                        | 2,638             | 998        | 722             | 0            | 532         | 558                |
| Rosalind Franklin U. of Medicine and Science     | 289  | 9,357                | 0                                 | 0   | 9,041         | 0                          | 0                 | 316        | 0               | 0            | 0           | 0                  |
| California State U., East Bay                    | 290  | 9,275                | 0                                 | 142   | 773           | 163                        | 1,574             | 92         | 1,414           | 0            | 0           | 5,117              |
| Texas A&M U.-Kingsville                          | 291  | 9,265                | 12                                | 0   | 4,752         | 0                          | 87                | 48         | 0               | 0            | 2,923       | 1,443              |
| Northern Illinois U.                             | 292  | 9,080                | 669                               | 676   | 1,088         | 31                         | 3,668             | 849        | 177             | 0            | 1,856       | 66                 |
| U. Akron   | 293  | 9,024                | 32                                | 194   | 550           | 117                        | 4,026             | 43         | 6               | 0            | 3,985       | 71                 |
| Missouri State U.                                | 294  | 8,931                | 15                                | 146   | 1,411         | 0                          | 258               | 28         | 198             | 0            | 6,872       | 3                  |
| California State U., San Marcos                  | 295  | 8,831                | 620                               | 0   | 311           | 0                          | 1,060             | 924        | 565             | 2,766        | 1,680       | 905                |
| Creighton U.                                     | 296  | 8,585                | 493                               | 0   | 6,649         | 129                        | 881               | 121        | 153             | 0            | 0           | 159                |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Chapman U.                                     | 297  | 8,574                | 0                                 | 242   | 5,563         | 0                          | 936               | 1,023      | 109             | 0            | 8           | 693                |
| Teachers C., Columbia U.                       | 298  | 8,521                | 1,570                             | 0   | 1,660         | 0                          | 0                 | 593        | 4,698           | 0            | 0           | 0                  |
| East Tennessee State U.                        | 299  | 8,358                | 0                                 | 0   | 8,010         | 37                         | 134               | 14         | 14              | 0            | 101         | 48                 |
| U. Maryland, Eastern Shore                     | 300  | 8,346                | 0                                 | 4,182   | 4,039         | 0                          | 0                 | 0          | 0               | 0            | 125         | 0                  |
| U. Massachusetts, Dartmouth                    | 301  | 8,223                | 60                                | 4,040   | 211           | 380                        | 485               | 0          | 16              | 0            | 2,434       | 597                |
| Tennessee Technological U.                     | 302  | 7,625                | 1,543                             | 21  | 1,621         | 0                          | 672               | 0          | 12              | 0            | 3,392       | 364                |
| St. Edward's U.                                | 303  | 7,600                | 600                               | 359   | 1,400         | 600                        | 1,021             | 0          | 0               | 0            | 0           | 3,620              |
| Alcorn State U.                                | 304  | 7,593                | 0                                 | 0   | 3,883         | 0                          | 0                 | 0          | 3,532           | 0            | 178         | 0                  |
| Oakland U.                                     | 305  | 7,426                | 613                               | 0   | 3,422         | 55                         | 2,062             | 321        | 0               | 0            | 953         | 0                  |
| California State U., Los Angeles               | 306  | 7,342                | 218                               | 23  | 554           | 26                         | 4,085             | 0          | 959             | 0            | 1,067       | 410                |
| U. North Florida                               | 307  | 7,267                | 304                               | 11  | 720           | 0                          | 352               | 201        | 13              | 0            | 316         | 5,350              |
| Bowling Green State U.                         | 308  | 7,263                | 22                                | 1,495   | 1,140         | 82                         | 1,402             | 22         | 991             | 0            | 35          | 2,074              |
| Clarkson U.                                    | 309  | 7,246                | 700                               | 77  | 565           | 524                        | 422               | 7          | 0               | 0            | 4,577       | 374                |
| Idaho State U.                                 | 310  | 7,216                | 503                               | 1,136   | 2,035         | 0                          | 1,034             | 266        | 63              | 0            | 2,022       | 157                |
| SUNY, C. of Environmental Science and Forestry | 311  | 6,979                | 22                                | 551   | 5,510         | 0                          | 303               | 0          | 13              | 68           | 396         | 116                |
| U. Arkansas, Little Rock                       | 312  | 6,939                | 3,089                             | 0   | 1,978         | 0                          | 590               | 0          | 73              | 0            | 708         | 501                |
| Central Michigan U.                            | 313  | 6,919                | 0                                 | 316   | 4,171         | 1                          | 1,814             | 125        | 111             | 286          | 95          | 0                  |
| U. North Carolina, Wilmington                  | 314  | 6,852                | 209                               | 1,318   | 2,861         | 20                         | 419               | 212        | 778             | 0            | 297         | 738                |
| U. of the District of Columbia                 | 315  | 6,851                | 242                               | 82  | 1,896         | 447                        | 0                 | 0          | 0               | 0            | 3,134       | 1,050              |
| Louisiana Tech U.                              | 316  | 6,428                | 396                               | 0   | 562           | 314                        | 378               | 298        | 169             | 0            | 4,117       | 194                |
| Montana Technological U.                       | 317  | 6,133                | 0                                 | 1,056   | 305           | 0                          | 133               | 0          | 0               | 0            | 4,639       | 0                  |
| Alabama A&M U.                                 | 318  | 5,967                | 235                               | 0   | 3,508         | 49                         | 478               | 126        | 142             | 0            | 1,204       | 225                |
| U. Tulsa                                       | 319  | 5,876                | 2,365                             | 151   | 330           | 0                          | 125               | 72         | 71              | 0            | 2,410       | 352                |
| California State U., San Bernardino            | 320  | 5,867                | 182                               | 51  | 199           | 184                        | 1,809             | 820        | 18              | 0            | 0           | 2,604              |
| Villanova U.                                   | 321  | 5,826                | 148                               | 162   | 960           | 28                         | 1,412             | 273        | 0               | 0            | 2,122       | 721                |
| U. Missouri, Saint Louis                       | 322  | 5,812                | 100                               | 0   | 3,443         | 371                        | 1,007             | 55         | 323             | 0            | 0           | 513                |
| Sam Houston State U.                           | 323  | 5,632                | 0                                 | 85  | 1,212         | 417                        | 298               | 144        | 316             | 0            | 0           | 3,160              |
| Lincoln U., Jefferson City                     | 324  | 5,621                | 6                                 | 60  | 5,444         | 90                         | 0                 | 0          | 21              | 0            | 0           | 0                  |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Western U. of Health Sciences           | 325  | 5,620                | 0                                 | 0   | 5,020         | 0                          | 0                 | 0          | 0               | 0            | 0           | 600                |
| California State U., Sacramento         | 326  | 5,582                | 219                               | 700   | 379           | 34                         | 130               | 54         | 63              | 53           | 2,687       | 1,263              |
| Texas Southern U.                       | 327  | 5,562                | 106                               | 79  | 3,112         | 167                        | 1,036             | 425        | 0               | 0            | 27          | 610                |
| Naval War C.                            | 328  | 5,542                | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 794             | 0            | 0           | 4,748              |
| U. Hawaii, Hilo                         | 329  | 5,510                | 91                                | 1,157   | 3,113         | 753                        | 64                | 0          | 109             | 223          | 0           | 0                  |
| Clark Atlanta U.                        | 330  | 5,355                | 103                               | 0   | 3,496         | 265                        | 1,407             | 0          | 0               | 0            | 11          | 73                 |
| U. Minnesota, Duluth                    | 331  | 5,325                | 136                               | 199   | 3,952         | 210                        | 337               | 0          | 107             | 0            | 341         | 43                 |
| Duquesne U.                             | 332  | 5,020                | 0                                 | 241   | 3,706         | 49                         | 426               | 0          | 13              | 0            | 0           | 585                |
| Rhode Island C.                         | 333  | 4,894                | 24                                | 0   | 1,043         | 0                          | 320               | 83         | 0               | 0            | 0           | 3,424              |
| Virginia State U.                       | 334  | 4,846                | 0                                 | 8   | 3,350         | 217                        | 0                 | 95         | 0               | 0            | 321         | 855                |
| Winston-Salem State U.                  | 335  | 4,841                | 251                               | 0   | 2,515         | 0                          | 871               | 356        | 197             | 0            | 0           | 651                |
| U.S. Army War C.                        | 336  | 4,662                | i 0 i                             | 0 i   | 0 i           | 0 i                        | 0 i               | 0 i        | 4,662 i         | 0 i          | 0 i         | 0 i                |
| Tarleton State U.                       | 337  | 4,620                | 0                                 | 431   | 3,983         | 0                          | 0                 | 0          | 0               | 206          | 0           | 0                  |
| California State U., Fullerton          | 338  | 4,551                | 143                               | 94  | 1,943         | 127                        | 1,058             | 139        | 55              | 446          | 530         | 16                 |
| Morehouse C.                            | 339  | 4,533                | 540                               | 0   | 90            | 949                        | 1,831             | 59         | 0               | 633          | 0           | 431                |
| DePaul U.                               | 340  | 4,518                | 1,396                             | 246   | 423           | 0                          | 235               | 2,166      | 0               | 0            | 0           | 52                 |
| U. Tennessee, Chattanooga               | 341  | 4,507                | 879                               | 0   | 594           | 147                        | 0                 | 0          | 8               | 214          | 2,574       | 91                 |
| CUNY, Brooklyn C.                       | 342  | 4,505                | 290                               | 13  | 1,341         | 65                         | 1,297             | 1,328      | 1               | 0            | 0           | 170                |
| Florida Gulf Coast U.                   | 343  | 4,467                | 13                                | 1,329   | 954           | 0                          | 106               | 3          | 5               | 0            | 0           | 2,057              |
| Texas Christian U.                      | 344  | 4,448                | 86                                | 121   | 341           | 0                          | 321               | 179        | 28              | 2,900        | 8           | 464                |
| Fort Valley State U.                    | 345  | 4,429                | 0                                 | 18  | 4,313         | 22                         | 76                | 0          | 0               | 0            | 0           | 0                  |
| California State Polytechnic U., Pomona | 346  | 4,396                | 335                               | 118   | 1,607         | 20                         | 1,105             | 19         | 0               | 23           | 1,040       | 129                |
| Western Washington U.                   | 347  | 4,290                | 343                               | 1,041   | 175           | 227                        | 1,321             | 112        | 188             | 326          | 230         | 327                |
| Arkansas State U., Jonesboro            | 348  | 4,249                | 95                                | 0   | 2,909         | 0                          | 537               | 40         | 153             | 267          | 248         | 0                  |
| Central State U.                        | 349  | 4,165                | 0                                 | 102   | 3,552         | 69                         | 67                | 0          | 0               | 164          | 211         | 0                  |
| Middle Tennessee State U.               | 350  | 4,150                | 283                               | 0   | 1,394         | 316                        | 1,769             | 72         | 164             | 0            | 100         | 52                 |
| Montclair State U.                      | 351  | 4,146                | 107                               | 508   | 1,115         | 317                        | 466               | 236        | 62              | 0            | 5           | 1,330              |
| C. Charleston                           | 352  | 4,126                | 242                               | 918   | 894           | 0                          | 847               | 0          | 4               | 862          | 72          | 287                |
| West Virginia State U.                  | 353  | 4,119                | 2                                 | 0   | 4,117         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| California State U., Fresno             | 354  | 4,101                | 141                               | 371   | 698           | 444                        | 1,192             | 116        | 157             | 0            | 474         | 508                |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Fordham U.   | 355  | 4,076                | 101                               | 0   | 717           | 70                         | 251               | 1,883      | 91              | 0            | 0           | 963                |
| U. of Health Sciences and Pharmacy in St. Louis                    | 356  | 4,063                | 0                                 | 0   | 4,063         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Wesleyan U.  | 357  | 4,032                | 0                                 | 322   | 581           | 327                        | 1,429             | 782        | 11              | 0            | 0           | 580                |
| Norfolk State U.   | 358  | 3,976                | 1,957                             | 0   | 88            | 29                         | 763               | 0          | 58              | 0            | 1,081       | 0                  |
| U. Arkansas, Pine Bluff  | 359  | 3,960                | 0                                 | 0   | 3,065         | 0                          | 895               | 0          | 0               | 0            | 0           | 0                  |
| U. Colorado Colorado Springs                                       | 360  | 3,942                | 1,921                             | 127   | 741           | 0                          | 131               | 256        | 17              | 0            | 488         | 261                |
| Fisk U.  | 361  | 3,940                | 415                               | 0   | 1,579         | 407                        | 1,525             | 0          | 0               | 0            | 0           | 14                 |
| South Carolina State U.  | 362  | 3,933                | 108                               | 0   | 1,416         | 0                          | 1,000             | 0          | 0               | 0            | 712         | 697                |
| U. Detroit Mercy   | 363  | 3,917                | 0                                 | 0   | 3,709         | 0                          | 0                 | 42         | 0               | 0            | 64          | 102                |
| U. New England   | 364  | 3,864                | 0                                 | 411   | 3,453         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Southern Illinois U., Edwardsville                                 | 365  | 3,844                | 11                                | 546   | 1,631         | 33                         | 315               | 0          | 56              | 0            | 208         | 1,044              |
| California State U., Bakersfield                                   | 366  | 3,827                | 0                                 | 40  | 61            | 1,827                      | 159               | 317        | 12              | 0            | 751         | 660                |
| California State U., Monterey Bay                                  | 367  | 3,813                | 721                               | 837   | 2,186         | 12                         | 57                | 0          | 0               | 0            | 0           | 0                  |
| National Defense U.  | 368  | 3,786                | 0                                 | 0   | 400           | 0                          | 0                 | 0          | 2,186           | 0            | 0           | 1,200              |
| Southern U. and A&M C., Baton Rouge                                | 369  | 3,770                | 473                               | 0   | 395           | 50                         | 292               | 0          | 0               | 0            | 2,185       | 375                |
| Colorado C.  | 370  | 3,725                | 0                                 | 96  | 97            | 0                          | 4                 | 0          | 0               | 0            | 0           | 3,528              |
| Kentucky State U.  | 371  | 3,716                | 15                                | 2   | 3,506         | 193                        | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. New Orleans   | 372  | 3,674                | 451                               | 680   | 245           | 131                        | 1,171             | 0          | 500             | 184          | 204         | 108                |
| Southern U. and A&M C., Agricultural Research and Extension Center | 373  | 3,588                | 0                                 | 0   | 3,588         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Barnard C.   | 374  | 3,527                | 107                               | 156   | 897           | 0                          | 1,246             | 960        | 56              | 0            | 0           | 105                |
| CUNY, John Jay C. of Criminal Justice                              | 375  | 3,519                | 10                                | 0   | 48            | 12                         | 235               | 109        | 289             | 47           | 0           | 2,769              |
| Wellesley C.   | 376  | 3,469                | 500                               | 77  | 1,418         | 262                        | 286               | 254        | 327             | 0            | 345         | 0                  |
| U. Washington, Tacoma  | 377  | 3,459                | 216                               | 2,290   | 241           | 25                         | 0                 | 0          | 44              | 0            | 314         | 329                |
| CUNY, Lehman C.  | 378  | 3,382                | 0                                 | 0   | 146           | 328                        | 1,964             | 0          | 168             | 0            | 0           | 776                |
| Georgia Southern U.  | 379  | 3,373                | 99                                | 253   | 1,414         | 67                         | 580               | 0          | 73              | 8            | 804         | 75                 |
| Salisbury U.   | 380  | 3,271                | 101                               | 57  | 88            | 0                          | 148               | 0          | 22              | 0            | 0           | 2,855              |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Western Illinois U.                           | 381  | 3,163                | 0                                 | 0   | 2,152         | 0                          | 63                | 0          | 168             | 0            | 780         | 0                  |
| Kennesaw State U.                             | 382  | 3,104                | 125                               | 0   | 636           | 57                         | 427               | 13         | 409             | 606          | 289         | 542                |
| Toyota Technological Institute, Chicago       | 383  | 3,090                | 3,090                             | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Langston U.                                   | 384  | 3,089                | 0                                 | 0   | 2,873         | 0                          | 26                | 0          | 0               | 0            | 0           | 190                |
| U. Washington, Bothell                        | 385  | 2,956                | 119                               | 331   | 468           | 0                          | 681               | 0          | 0               | 0            | 304         | 1,053              |
| Rutgers, State U. New Jersey, Camden          | 386  | 2,905                | 2,111                             | 0   | 0             | 61                         | 0                 | 0          | 669             | 0            | 0           | 64                 |
| Clark U.                                      | 387  | 2,754                | 17                                | 271   | 898           | 0                          | 717               | 50         | 801             | 0            | 0           | 0                  |
| Murray State U.                               | 388  | 2,721                | 0                                 | 35  | 2,159         | 306                        | 141               | 0          | 0               | 0            | 0           | 80                 |
| Long Island U.                                | 389  | 2,686                | 5                                 | 150   | 2,207         | 0                          | 123               | 53         | 0               | 0            | 0           | 148                |
| Middlebury C.                                 | 390  | 2,639                | 241                               | 413   | 999           | 0                          | 644               | 180        | 162             | 0            | 0           | 0                  |
| Northwest Indian C.                           | 391  | 2,621                | 1                                 | 1,084   | 108           | 0                          | 0                 | 0          | 1,096           | 0            | 0           | 332                |
| Dakota State U.                               | 392  | 2,603                | 2,443                             | 32  | 80            | 0                          | 48                | 0          | 0               | 0            | 0           | 0                  |
| U. San Diego                                  | 393  | 2,554                | 0                                 | 101   | 28            | 481                        | 658               | 18         | 19              | 0            | 692         | 557                |
| Pace U.                                       | 394  | 2,536                | 598                               | 0   | 298           | 0                          | 0                 | 0          | 0               | 0            | 626         | 1,014              |
| MGH Institute of Health Professions           | 395  | 2,500                | 0                                 | 0   | 2,500         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| CUNY, Graduate Center                         | 396  | 2,496                | 22                                | 0   | 92            | 332                        | 518               | 370        | 589             | 328          | 0           | 245                |
| U. Central del Caribe                         | 397  | 2,492                | 0                                 | 0   | 2,492         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Ball State U.                                 | 398  | 2,469                | 22                                | 0   | 1,336         | 16                         | 449               | 80         | 196             | 0            | 0           | 370                |
| Haverford C.                                  | 399  | 2,455                | 16                                | 79  | 98            | 12                         | 2,216             | 34         | 0               | 0            | 0           | 0                  |
| Smith C.                                      | 400  | 2,433                | 320                               | 5   | 775           | 111                        | 334               | 133        | 0               | 0            | 571         | 184                |
| James Madison U.                              | 401  | 2,379                | 26                                | 125   | 1,031         | 15                         | 919               | 0          | 19              | 0            | 54          | 190                |
| U. Michigan, Dearborn                         | 402  | 2,366                | 0                                 | 0   | 215           | 149                        | 6                 | 0          | 0               | 89           | 1,907       | 0                  |
| Johnson C. Smith U.                           | 403  | 2,365                | 12                                | 0   | 437           | 0                          | 318               | 0          | 0               | 0            | 386         | 1,212              |
| Occidental C.                                 | 404  | 2,348                | 280                               | 510   | 367           | 97                         | 522               | 352        | 156             | 0            | 0           | 64                 |
| Western Kentucky U.                           | 404  | 2,348                | 0                                 | 284   | 889           | 4                          | 717               | 275        | 55              | 0            | 82          | 42                 |
| Alabama State U.                              | 406  | 2,338                | 0                                 | 0   | 2,265         | 0                          | 0                 | 0          | 0               | 0            | 73          | 0                  |
| U. North Carolina, Asheville                  | 407  | 2,322                | 284                               | 93  | 953           | 0                          | 443               | 2          | 0               | 0            | 0           | 547                |
| Oklahoma State U., Center for Health Sciences | 408  | 2,304                | 0                                 | 0   | 1,934         | 0                          | 0                 | 338        | 0               | 0            | 32          | 0                  |



TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--------------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Pennsylvania State U., Behrend       | 409  | 2,286                | 77                                | 706   | 176           | 166                        | 138               | 104        | 37              | 0            | 610         | 272                |
| Purdue U., Northwest                 | 410  | 2,280                | 836                               | 0   | 155           | 0                          | 102               | 0          | 0               | 40           | 1,032       | 115                |
| California State U., Chico           | 411  | 2,258                | 0                                 | 414   | 267           | 0                          | 166               | 0          | 91              | 0            | 768         | 552                |
| Eastern Michigan U.                  | 412  | 2,237                | 0                                 | 64  | 1,677         | 78                         | 98                | 0          | 31              | 0            | 81          | 208                |
| CUNY, C. Staten Island               | 413  | 2,234                | 54                                | 0   | 849           | 308                        | 478               | 310        | 0               | 0            | 235         | 0                  |
| Sonoma State U.                      | 414  | 2,212                | 0                                 | 1,412   | 298           | 226                        | 209               | 53         | 0               | 14           | 0           | 0                  |
| Youngstown State U.                  | 415  | 2,198                | 28                                | 0   | 20            | 0                          | 321               | 54         | 33              | 0            | 1,261       | 481                |
| West Texas A&M U.                    | 416  | 2,195                | 161                               | 676   | 236           | 0                          | 169               | 0          | 0               | 0            | 673         | 280                |
| Loyola Marymount U.                  | 417  | 2,170                | 0                                 | 24  | 243           | 70                         | 104               | 623        | 275             | 0            | 0           | 831                |
| Northern Kentucky U.                 | 418  | 2,156                | 3                                 | 0   | 1,374         | 59                         | 401               | 308        | 10              | 0            | 0           | 1                  |
| Gallaudet U.                         | 419  | 2,140                | 1,364                             | 1   | 372           | 1                          | 92                | 158        | 142             | 0            | 0           | 10                 |
| Seton Hall U.                        | 420  | 2,137                | 0                                 | 0   | 607           | 0                          | 396               | 0          | 0               | 0            | 0           | 1,134              |
| SUNY, C. of Optometry                | 421  | 2,105                | 0                                 | 0   | 2,105         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Tougaloo C.                          | 422  | 2,092                | i 0                               | i 0   | i 1,733       | i 0                        | i 359             | i 0        | i 0             | i 0          | i 0         | i 0                |
| Bates C.                             | 423  | 2,079                | 19                                | 26  | 1,610         | 0                          | 227               | 78         | 119             | 0            | 0           | 0                  |
| Pacific U.                           | 424  | 2,072                | 0                                 | 0   | 1,288         | 3                          | 233               | 0          | 4               | 0            | 0           | 544                |
| U. New Haven                         | 425  | 2,069                | 1,117                             | 80  | 45            | 0                          | 216               | 232        | 298             | 0            | 81          | 0                  |
| U. Southern Maine                    | 426  | 2,020                | 0                                 | 7   | 143           | 11                         | 0                 | 0          | 1,827           | 0            | 32          | 0                  |
| California State U., Dominguez Hills | 427  | 2,001                | 547                               | 0   | 61            | 61                         | 317               | 292        | 250             | 0            | 0           | 473                |
| U. Northern Iowa                     | 428  | 1,995                | 0                                 | 0   | 48            | 0                          | 894               | 0          | 1,036           | 0            | 0           | 17                 |
| Hope C.                              | 429  | 1,992                | 0                                 | 18  | 408           | 23                         | 1,276             | 0          | 0               | 0            | 232         | 35                 |
| Fayetteville State U.                | 430  | 1,988                | 334                               | 0   | 30            | 0                          | 147               | 0          | 180             | 0            | 288         | 1,009              |
| New York Institute of Technology     | 430  | 1,988                | 183                               | 0   | 1,118         | 0                          | 3                 | 0          | 0               | 0            | 666         | 18                 |
| Humboldt State U.                    | 432  | 1,975                | 27                                | 334   | 1,020         | 0                          | 7                 | 0          | 379             | 0            | 208         | 0                  |
| St. John's U., New York              | 433  | 1,950                | 59                                | 0   | 1,541         | 0                          | 304               | 27         | 0               | 0            | 0           | 19                 |
| U. Northern Colorado                 | 434  | 1,942                | 0                                 | 120   | 622           | 91                         | 83                | 55         | 391             | 0            | 0           | 580                |
| Santa Clara U.                       | 435  | 1,930                | 0                                 | 0   | 410           | 15                         | 454               | 0          | 63              | 0            | 814         | 174                |
| Reed C.                              | 436  | 1,916                | i 65                              | i 0   | i 1,252       | i 160                      | i 159             | i 97       | i 2             | i 0          | i 0         | i 181              |
| Northeastern Illinois U.             | 437  | 1,913                | 46                                | 68  | 1,111         | 71                         | 34                | 0          | 40              | 0            | 0           | 543                |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Albany C. of Pharmacy and Health Sciences      | 438  | 1,900                | 0                                 | 0   | 1,900         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Saginaw Valley State U.                        | 439  | 1,899                | 1                                 | 0   | 1,137         | 616                        | 22                | 0          | 13              | 0            | 110         | 0                  |
| William Paterson U.                            | 440  | 1,893                | 0                                 | 309   | 210           | 0                          | 0                 | 93         | 628             | 0            | 0           | 653                |
| Spelman C.                                     | 441  | 1,886                | 13                                | 0   | 633           | 96                         | 523               | 568        | 53              | 0            | 0           | 0                  |
| U. South Carolina, Aiken                       | 442  | 1,884                | 0                                 | 0   | 554           | 0                          | 4                 | 0          | 0               | 0            | 1,322       | 4                  |
| Lamar U.                                       | 443  | 1,873                | 33                                | 0   | 357           | 83                         | 49                | 0          | 0               | 0            | 635         | 716                |
| U. Wisconsin-Superior                          | 444  | 1,843                | 0                                 | 11  | 1,800         | 0                          | 0                 | 0          | 0               | 0            | 32          | 0                  |
| Bowdoin C.                                     | 445  | 1,836                | 74                                | 310   | 1,002         | 5                          | 252               | 123        | 1               | 0            | 0           | 69                 |
| Texas Tech U., Health Sciences Center, El Paso | 446  | 1,831                | 0                                 | 0   | 1,566         | 0                          | 0                 | 0          | 0               | 0            | 0           | 265                |
| Savannah State U.                              | 447  | 1,804                | 0                                 | 815   | 268           | 0                          | 34                | 0          | 0               | 99           | 588         | 0                  |
| Central Washington U.                          | 448  | 1,778                | 177                               | 1,066   | 128           | 149                        | 213               | 0          | 0               | 0            | 45          | 0                  |
| U. Wisconsin-Stevens Point                     | 449  | 1,776                | 0                                 | 57  | 1,573         | 0                          | 14                | 0          | 0               | 0            | 132         | 0                  |
| U. Texas of the Permian Basin                  | 450  | 1,762                | 0                                 | 0   | 962           | 0                          | 0                 | 18         | 360             | 0            | 270         | 152                |
| Towson U.                                      | 451  | 1,758                | 416                               | 481   | 323           | 94                         | 300               | 106        | 23              | 0            | 0           | 15                 |
| Fort Lewis C.                                  | 452  | 1,746                | 0                                 | 24  | 353           | 4                          | 786               | 0          | 0               | 0            | 563         | 16                 |
| Hawaii Pacific U.                              | 453  | 1,741                | 72                                | 252   | 1,211         | 0                          | 0                 | 0          | 193             | 0            | 13          | 0                  |
| Skidmore C.                                    | 454  | 1,739                | 0                                 | 202   | 873           | 0                          | 557               | 107        | 0               | 0            | 0           | 0                  |
| Palmer C. of Chiropractic, Davenport           | 455  | 1,733                | 0                                 | 0   | 1,733         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Morehead State U.                              | 456  | 1,727                | 0                                 | 7   | 782           | 0                          | 0                 | 0          | 164             | 0            | 756         | 18                 |
| Citadel Military C. South Carolina             | 457  | 1,714                | 1,023                             | 0   | 77            | 0                          | 7                 | 15         | 0               | 0            | 136         | 456                |
| Western Carolina U.                            | 458  | 1,697                | 0                                 | 233   | 998           | 3                          | 0                 | 0          | 154             | 0            | 237         | 72                 |
| Bucknell U.                                    | 459  | 1,696                | 82                                | 0   | 354           | 104                        | 592               | 0          | 8               | 13           | 543         | 0                  |
| Appalachian State U.                           | 460  | 1,694                | 323                               | 144   | 473           | 0                          | 171               | 124        | 78              | 0            | 0           | 381                |
| CUNY, Baruch C.                                | 461  | 1,691                | 45                                | 8   | 749           | 203                        | 253               | 227        | 197             | 0            | 0           | 9                  |
| U. Central Arkansas                            | 462  | 1,640                | 358                               | 0   | 386           | 16                         | 375               | 0          | 0               | 0            | 0           | 505                |
| New England C. of Optometry                    | 463  | 1,623                | 0                                 | 0   | 1,623         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Pennsylvania State U., Harrisburg              | 464  | 1,616                | 1                                 | 22  | 1,278         | 2                          | 0                 | 59         | 16              | 0            | 219         | 19                 |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|---------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Elizabeth City State U.         | 465  | 1,603                | 466                               | 0   | 751           | 0                          | 0                 | 49         | 0               | 0            | 0           | 337                |
| Mount Holyoke C.                | 466  | 1,539                | 150                               | 0   | 434           | 57                         | 434               | 384        | 80              | 0            | 0           | 0                  |
| U. Richmond                     | 467  | 1,534                | 0                                 | 217   | 604           | 0                          | 280               | 236        | 185             | 0            | 0           | 12                 |
| U. Central Oklahoma             | 468  | 1,516                | i 139                             | i 0   | i 302         | i 98                       | i 683             | i 0        | i 0             | i 106        | i 1         | i 187              |
| Texas Woman's U.                | 469  | 1,514                | 11                                | 0   | 991           | 0                          | 7                 | 0          | 0               | 0            | 0           | 505                |
| Yeshiva U.                      | 470  | 1,509                | 0                                 | 0   | 1,256         | 0                          | 253               | 0          | 0               | 0            | 0           | 0                  |
| Colorado State U., Pueblo       | 471  | 1,508                | 190                               | 0   | 1,248         | 19                         | 0                 | 0          | 0               | 0            | 51          | 0                  |
| Midwestern U.                   | 472  | 1,506                | 0                                 | 4   | 1,502         | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Indiana U. Pennsylvania         | 473  | 1,503                | 34                                | 32  | 989           | 0                          | 255               | 50         | 72              | 0            | 0           | 71                 |
| Carleton C.                     | 474  | 1,499                | 40                                | 759   | 115           | 17                         | 230               | 226        | 106             | 0            | 0           | 6                  |
| Christopher Newport U.          | 475  | 1,497                | 0                                 | 0   | 70            | 172                        | 546               | 43         | 0               | 0            | 656         | 10                 |
| Winthrop U.                     | 476  | 1,495                | 36                                | 0   | 103           | 0                          | 316               | 43         | 164             | 17           | 0           | 816                |
| Troy U.                         | 477  | 1,488                | 0                                 | 31  | 216           | 0                          | 1,094             | 0          | 0               | 0            | 0           | 147                |
| U. Louisiana, Monroe            | 478  | 1,465                | 0                                 | 61  | 1,232         | 0                          | 10                | 0          | 162             | 0            | 0           | 0                  |
| Harvey Mudd C.                  | 479  | 1,443                | 512                               | 0   | 316           | 33                         | 257               | 0          | 0               | 69           | 256         | 0                  |
| Colgate U.                      | 480  | 1,440                | 180                               | 580   | 331           | 65                         | 259               | 0          | 25              | 0            | 0           | 0                  |
| Bryn Mawr C.                    | 481  | 1,429                | 134                               | 0   | 194           | 121                        | 325               | 0          | 0               | 0            | 0           | 655                |
| Grand Valley State U.           | 482  | 1,415                | 6                                 | 331   | 784           | 23                         | 172               | 29         | 62              | 0            | 0           | 8                  |
| Swarthmore C.                   | 483  | 1,414                | 0                                 | 0   | 428           | 79                         | 655               | 53         | 43              | 21           | 50          | 85                 |
| Bowie State U.                  | 484  | 1,398                | 446                               | 0   | 96            | 0                          | 438               | 0          | 0               | 0            | 0           | 418                |
| Touro U.                        | 485  | 1,377                | 0                                 | 0   | 1,375         | 0                          | 0                 | 0          | 0               | 0            | 0           | 2                  |
| Amherst C.                      | 486  | 1,375                | 35                                | 41  | 527           | 187                        | 476               | 109        | 0               | 0            | 0           | 0                  |
| Franklin and Marshall C.        | 487  | 1,363                | 0                                 | 0   | 676           | 47                         | 415               | 9          | 216             | 0            | 0           | 0                  |
| California State U., Stanislaus | 488  | 1,354                | 186                               | 0   | 702           | 253                        | 60                | 118        | 35              | 0            | 0           | 0                  |
| Trinity C., Hartford            | 489  | 1,348                | 0                                 | 0   | 885           | 54                         | 86                | 281        | 41              | 0            | 1           | 0                  |
| U. Nebraska, Kearney            | 490  | 1,327                | 0                                 | 0   | 1,126         | 0                          | 130               | 30         | 0               | 0            | 0           | 41                 |
| New School                      | 491  | 1,324                | 0                                 | 143   | 35            | 0                          | 0                 | 318        | 42              | 0            | 422         | 364                |
| U. of St. Thomas (MN)           | 492  | 1,321                | 323                               | 222   | 113           | 28                         | 70                | 0          | 0               | 0            | 565         | 0                  |
| U. of the Sciences Philadelphia | 493  | 1,320                | 0                                 | 0   | 900           | 0                          | 420               | 0          | 0               | 0            | 0           | 0                  |
| U. Virginia's C. Wise           | 494  | 1,307                | 1,174                             | 0   | 111           | 0                          | 18                | 0          | 4               | 0            | 0           | 0                  |
| Texas A&M U.-Commerce           | 495  | 1,283                | 53                                | 0   | 165           | 0                          | 834               | 30         | 3               | 0            | 0           | 198                |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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, Geneseo                        | 496  | 1,273                | 0                                 | 115   | 61            | 0                          | 888               | 112        | 11              | 0            | 0           | 86                 |
| U. Oklahoma, Tulsa                   | 497  | 1,267                | 0                                 | 0   | 260           | 0                          | 0                 | 0          | 0               | 0            | 421         | 586                |
| Hofstra U.                           | 498  | 1,266                | 45                                | 50  | 385           | 0                          | 2                 | 0          | 0               | 0            | 478         | 306                |
| Dillard U.                           | 499  | 1,257                | 0                                 | 87  | 464           | 0                          | 252               | 0          | 38              | 0            | 0           | 416                |
| Texas A&M International U.           | 500  | 1,243                | 0                                 | 0   | 65            | 64                         | 101               | 0          | 632             | 276          | 65          | 40                 |
| Roger Williams U.                    | 501  | 1,202                | 0                                 | 466   | 378           | 0                          | 0                 | 111        | 0               | 0            | 17          | 230                |
| U. Puerto Rico, Cayey                | 501  | 1,202                | 0                                 | 0   | 316           | 0                          | 127               | 0          | 28              | 731          | 0           | 0                  |
| Keck Graduate Institute              | 503  | 1,201                | i 0                               | i 0   | i 940         | i 0                        | i 0               | i 0        | i 0             | i 0          | i 238       | i 23               |
| CUNY, New York City C. of Technology | 504  | 1,197                | 156                               | 0   | 311           | 0                          | 319               | 0          | 5               | 0            | 93          | 313                |
| U. Houston-Downtown                  | 505  | 1,169                | 175                               | 35  | 0             | 17                         | 88                | 0          | 0               | 0            | 189         | 665                |
| Saint Joseph's U.                    | 506  | 1,158                | 155                               | 0   | 362           | 0                          | 0                 | 20         | 115             | 0            | 0           | 506                |
| Claremont Graduate U.                | 507  | 1,152                | 0                                 | 0   | 0             | 111                        | 0                 | 123        | 392             | 0            | 0           | 526                |
| Williams C.                          | 507  | 1,152                | i 62                              | i 105   | i 420         | i 241                      | i 268             | i 0        | i 56            | i 0          | i 0         | i 0                |
| Davidson C.                          | 509  | 1,151                | 0                                 | 0   | 259           | 6                          | 245               | 522        | 80              | 0            | 0           | 39                 |
| U. Puerto Rico, Humacao              | 510  | 1,137                | 0                                 | 17  | 111           | 0                          | 899               | 110        | 0               | 0            | 0           | 0                  |
| Black Hills State U.                 | 511  | 1,124                | 295                               | 0   | 650           | 0                          | 103               | 0          | 0               | 0            | 0           | 76                 |
| U. of the Pacific                    | 512  | 1,106                | 0                                 | 43  | 606           | 0                          | 223               | 6          | 0               | 0            | 228         | 0                  |
| Seattle U.                           | 513  | 1,102                | 0                                 | 54  | 29            | 90                         | 79                | 0          | 0               | 0            | 10          | 840                |
| New Mexico Highlands U.              | 514  | 1,085                | i 141                             | i 198   | i 178         | i 0                        | i 568             | i 0        | i 0             | i 0          | i 0         | i 0                |
| U. Wisconsin-Oshkosh                 | 515  | 1,083                | 0                                 | 114   | 630           | 0                          | 222               | 0          | 0               | 0            | 73          | 44                 |
| C. New Jersey                        | 516  | 1,079                | 175                               | 0   | 347           | 10                         | 351               | 0          | 0               | 0            | 133         | 63                 |
| Trinity U.                           | 517  | 1,078                | 26                                | 14  | 184           | 37                         | 586               | 231        | 0               | 0            | 0           | 0                  |
| U. of the Incarnate Word             | 518  | 1,076                | 0                                 | 0   | 597           | 42                         | 298               | 0          | 0               | 0            | 139         | 0                  |
| U. Illinois, Springfield             | 519  | 1,071                | 0                                 | 0   | 1             | 0                          | 15                | 0          | 1,040           | 0            | 0           | 15                 |
| U. Alaska, Southeast                 | 520  | 1,046                | 0                                 | 176   | 745           | 0                          | 47                | 0          | 0               | 78           | 0           | 0                  |
| Doane U.                             | 521  | 1,034                | i 189                             | i 0   | i 555         | i 0                        | i 67              | i 0        | i 0             | i 0          | i 1         | i 222              |
| Stephen F. Austin State U.           | 522  | 1,029                | 0                                 | 0   | 680           | 93                         | 0                 | 0          | 41              | 0            | 0           | 215                |
| Furman U.                            | 523  | 1,028                | 0                                 | 33  | 307           | 0                          | 523               | 165        | 0               | 0            | 0           | 0                  |
| Drake U.                             | 524  | 1,016                | 0                                 | 0   | 123           | 27                         | 200               | 0          | 21              | 0            | 0           | 645                |
| Augustana U.                         | 525  | 1,013                | 0                                 | 0   | 546           | 0                          | 457               | 0          | 0               | 0            | 0           | 10                 |
| Claflin U.                           | 526  | 1,005                | 173                               | 26  | 505           | 0                          | 129               | 0          | 107             | 0            | 65          | 0                  |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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., Channel Islands | 527  | 993                  | 0                                 | 0   | 143           | 268                        | 73                | 0          | 0               | 390          | 79          | 40                 |
| SUNY, Buffalo State                  | 528  | 977                  | 0                                 | 834   | 29            | 112                        | 0                 | 0          | 2               | 0            | 0           | 0                  |
| Union C., Schenectady                | 529  | 976                  | 57                                | 198   | 4             | 0                          | 122               | 0          | 0               | 0            | 595         | 0                  |
| U. Hawaii, Maui C.                   | 530  | 951                  | 446                               | 144   | 241           | 0                          | 0                 | 0          | 10              | 0            | 0           | 110                |
| Coastal Carolina U.                  | 531  | 948                  | 91                                | 509   | 216           | 0                          | 60                | 0          | 0               | 0            | 68          | 4                  |
| Calvin U.                            | 532  | 942                  | i 11                              | i 0   | i 457         | i 33                       | i 395             | i 0        | i 0             | i 0          | i 21        | i 25               |
| Alfred U.                            | 533  | 939                  | 0                                 | 1   | 0             | 0                          | 5                 | 0          | 0               | 0            | 933         | 0                  |
| Pomona C.                            | 534  | 930                  | 118                               | 42  | 202           | 135                        | 263               | 122        | 48              | 0            | 0           | 0                  |
| U. Texas, Tyler                      | 535  | 929                  | 13                                | 0   | 781           | 2                          | 0                 | 0          | 18              | 0            | 115         | 0                  |
| U. Ana G. Mendez, Gurabo             | 536  | 926                  | 0                                 | 0   | 230           | 0                          | 29                | 0          | 0               | 0            | 667         | 0                  |
| CUNY, York C.                        | 537  | 922                  | 0                                 | 472   | 71            | 0                          | 186               | 159        | 0               | 0            | 1           | 33                 |
| Vassar C.                            | 538  | 918                  | 142                               | 0   | 87            | 301                        | 138               | 216        | 34              | 0            | 0           | 0                  |
| U. Wisconsin-Eau Claire              | 539  | 909                  | 0                                 | 5   | 42            | 49                         | 641               | 172        | 0               | 0            | 0           | 0                  |
| Willamette U.                        | 540  | 896                  | 0                                 | 0   | 367           | 0                          | 83                | 36         | 0               | 0            | 0           | 410                |
| U. Wisconsin-La Crosse               | 541  | 895                  | 31                                | 1   | 397           | 70                         | 323               | 0          | 73              | 0            | 0           | 0                  |
| Keene State C.                       | 542  | 894                  | 47                                | 0   | 510           | 0                          | 223               | 0          | 0               | 0            | 114         | 0                  |
| U. Wisconsin-Green Bay               | 543  | 876                  | 33                                | i 48  | i 487         | i 7                        | i 66              | i 17       | i 20            | i 0          | i 167       | i 31               |
| U. Houston-Clear Lake                | 544  | 865                  | 23                                | 0   | 478           | 0                          | 208               | 111        | 45              | 0            | 0           | 0                  |
| Pepperdine U.                        | 545  | 835                  | 0                                 | 0   | 282           | 0                          | 0                 | 100        | 28              | 0            | 0           | 425                |
| Abilene Christian U.                 | 546  | 827                  | 0                                 | 0   | 0             | 0                          | 712               | 0          | 0               | 0            | 45          | 70                 |
| SUNY, C. Plattsburgh                 | 547  | 824                  | 0                                 | 400   | 279           | 0                          | 107               | 0          | 0               | 0            | 0           | 38                 |
| American Samoa Community C.          | 548  | 815                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 815             | 0            | 0           | 0                  |
| La Sierra U.                         | 549  | 812                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 812                |
| Southeastern Louisiana U.            | 550  | 795                  | 0                                 | 0   | 429           | 0                          | 145               | 0          | 0               | 0            | 8           | 213                |
| Fielding Graduate U.                 | 551  | 791                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 791             | 0            | 0           | 0                  |
| Eastern Washington U.                | 552  | 775                  | 0                                 | 46  | 414           | 0                          | 62                | 0          | 250             | 0            | 0           | 3                  |
| Erikson Institute                    | 553  | 772                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 772                |
| CUNY, system office                  | 554  | 768                  | 0                                 | 0   | 37            | 0                          | 0                 | 0          | 0               | 0            | 731         | 0                  |
| U. Hartford                          | 555  | 766                  | 1                                 | 0   | 77            | 100                        | 0                 | 0          | 3               | 0            | 585         | 0                  |
| Pittsburg State U.                   | 556  | 759                  | 0                                 | 0   | 258           | 0                          | 24                | 0          | 163             | 0            | 314         | 0                  |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Hobart and William Smith Colleges      | 557  | 758                  | 0                                 | 19  | 630           | 5                          | 104               | 0          | 0               | 0            | 0           | 0                  |
| Milwaukee School of Engineering        | 558  | 751                  | 47                                | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 704         | 0                  |
| Colby C.                               | 559  | 750                  | 78                                | 144   | 217           | 0                          | 184               | 0          | 0               | 0            | 0           | 127                |
| Mercyhurst U.                          | 560  | 745                  | 41                                | 23  | 559           | 11                         | 75                | 10         | 13              | 0            | 0           | 13                 |
| Northwestern State U. Louisiana        | 561  | 738                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 738             | 0            | 0           | 0                  |
| Grambling State U.                     | 562  | 731                  | 0                                 | 0   | 0             | 0                          | 436               | 0          | 0               | 0            | 0           | 295                |
| Biola U.                               | 563  | 714                  | 34                                | 0   | 459           | 9                          | 61                | 8          | 11              | 4            | 117         | 11                 |
| Southern Connecticut State U.          | 564  | 713                  | 0                                 | 63  | 128           | 0                          | 333               | 80         | 0               | 9            | 0           | 100                |
| Lewis and Clark C.                     | 565  | 702                  | 0                                 | 278   | 258           | 56                         | 110               | 0          | 0               | 0            | 0           | 0                  |
| Northland C.                           | 566  | 697                  | 0                                 | 56  | 450           | 35                         | 0                 | 49         | 25              | 0            | 0           | 82                 |
| Ithaca C.                              | 567  | 685                  | 73                                | 20  | 187           | 74                         | 246               | 0          | 85              | 0            | 0           | 0                  |
| Mills C.                               | 568  | 683                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 683                |
| Sacred Heart U.                        | 569  | 675                  | 7                                 | 8   | 0             | 0                          | 64                | 0          | 0               | 24           | 0           | 572                |
| Central Connecticut State U.           | 570  | 663                  | 0                                 | 74  | 97            | 0                          | 41                | 0          | 225             | 0            | 71          | 155                |
| U. California, Office of the President | 571  | 653                  | 0                                 | 0   | 342           | 0                          | 0                 | 0          | 0               | 37           | 0           | 274                |
| Claremont McKenna C.                   | 572  | 637                  | 0                                 | 17  | 274           | 103                        | 136               | 107        | 0               | 0            | 0           | 0                  |
| Franklin W. Olin C. of Engineering     | 573  | 636                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 636         | 0                  |
| Suffolk U.                             | 574  | 634                  | 0                                 | 28  | 33            | 0                          | 69                | 438        | 0               | 0            | 66          | 0                  |
| Macalester C.                          | 575  | 617                  | 0                                 | 172   | 10            | 100                        | 335               | 0          | 0               | 0            | 0           | 0                  |
| West Chester U. Pennsylvania           | 576  | 608                  | 0                                 | 0   | 310           | 0                          | 135               | 41         | 0               | 0            | 0           | 122                |
| Austin Peay State U.                   | 577  | 597                  | 0                                 | 136   | 411           | 0                          | 50                | 0          | 0               | 0            | 0           | 0                  |
| Canisius C.                            | 577  | 597                  | 0                                 | 0   | 0             | 0                          | 173               | 0          | 0               | 424          | 0           | 0                  |
| Dordt U.                               | 579  | 594                  | 69                                | 0   | 412           | 84                         | 0                 | 0          | 0               | 0            | 29          | 0                  |
| Indiana State U.                       | 580  | 582                  | 0                                 | 73  | 86            | 37                         | 86                | 0          | 0               | 10           | 0           | 290                |
| St. Cloud State U.                     | 581  | 577                  | 182                               | 0   | 91            | 0                          | 0                 | 0          | 0               | 0            | 0           | 304                |
| Minnesota State U., Mankato            | 582  | 575                  | 0                                 | 6   | 300           | 0                          | 9                 | 90         | 0               | 0            | 170         | 0                  |
| Providence C.                          | 583  | 574                  | 0                                 | 144   | 311           | 0                          | 67                | 35         | 0               | 0            | 17          | 0                  |

TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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 |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Albany State U.  | 584  | 552                  | 0                                 | 22  | 232           | 0                          | 102               | 0          | 0               | 0            | 14          | 182                |
| California State U., Maritime Academy  | 585  | 548                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 450         | 98                 |
| Edward Via C. of Osteopathic Medicine  | 586  | 537                  | 0                                 | 0   | 537           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Eastern Kentucky U.  | 587  | 530                  | 0                                 | 2   | 349           | 0                          | 115               | 8          | 0               | 0            | 56          | 0                  |
| National U. of Natural Medicine  | 588  | 523                  | 0                                 | 0   | 523           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Lafayette C.   | 589  | 508                  | 46                                | 0   | 55            | 13                         | 231               | 70         | 0               | 0            | 84          | 9                  |
| Oberlin C.   | 590  | 505                  | 30                                | 25  | 214           | 39                         | 190               | 7          | 0               | 0            | 0           | 0                  |
| Sul Ross State U.  | 590  | 505                  | i 0                               | i 0   | i 486         | i 0                        | i 0               | i 0        | i 19            | i 0          | i 0         | i 0                |
| SUNY, C. Brockport   | 592  | 500                  | 0                                 | 231   | 213           | 0                          | 54                | 0          | 2               | 0            | 0           | 0                  |
| U. North Georgia   | 593  | 497                  | 335                               | 59  | 39            | 0                          | 2                 | 0          | 0               | 0            | 0           | 62                 |
| Stockton U.  | 594  | 486                  | 0                                 | 239   | 247           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Des Moines U.  | 595  | 485                  | i 0                               | i 1   | i 286         | i 0                        | i 0               | i 0        | i 172           | i 0          | i 0         | i 26               |
| U. of Mary Washington  | 595  | 485                  | 19                                | 29  | 119           | 4                          | 75                | 0          | 0               | 0            | 0           | 239                |
| Fort Hays State U.   | 597  | 482                  | 0                                 | 95  | 226           | 0                          | 159               | 0          | 0               | 0            | 0           | 2                  |
| Florida Polytechnic U.   | 598  | 459                  | 112                               | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 312         | 35                 |
| Connecticut C.   | 599  | 439                  | 65                                | 0   | 89            | 0                          | 97                | 64         | 124             | 0            | 0           | 0                  |
| West Virginia School of Osteopathic Medicine   | 600  | 423                  | 0                                 | 0   | 418           | 0                          | 0                 | 0          | 0               | 0            | 0           | 5                  |
| SUNY, Oswego   | 601  | 415                  | 38                                | 58  | 72            | 0                          | 228               | 0          | 0               | 10           | 9           | 0                  |
| U. North Carolina, general administration  | 602  | 408                  | 13                                | 0   | 12            | 0                          | 0                 | 11         | 0               | 0            | 306         | 66                 |
| Purdue U., Fort Wayne  | 603  | 401                  | 0                                 | 0   | 44            | 5                          | 82                | 123        | 0               | 0            | 125         | 22                 |
| Manhattan C.   | 604  | 397                  | 0                                 | 0   | 0             | 217                        | 112               | 0          | 0               | 0            | 68          | 0                  |
| Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences | 605  | 376                  | 0                                 | 0   | 376           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Arcadia U.   | 606  | 371                  | 84                                | 0   | 94            | 0                          | 0                 | 0          | 0               | 0            | 0           | 193                |
| Northern Michigan U.   | 607  | 366                  | 37                                | 100   | 163           | 0                          | 0                 | 49         | 17              | 0            | 0           | 0                  |
| Kean U.  | 608  | 362                  | 151                               | 61  | 18            | 0                          | 0                 | 0          | 0               | 12           | 0           | 120                |
| Kettering U.   | 609  | 353                  | 0                                 | 0   | 0             | 0                          | 14                | 0          | 0               | 0            | 3           | 336                |



TABLE 25

## Federally financed higher education R&amp;D expenditures, ranked by all federal R&amp;D expenditures, by R&amp;D field: FY 2021

(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-Platteville                | 609  | 353                  | 22                                | 0   | 145           | 9                          | 37                | 6          | 18              | 4            | 80          | 32                 |
| Grinnell C.                             | 611  | 344                  | 77                                | 0   | 17            | 63                         | 124               | 0          | 28              | 0            | 0           | 35                 |
| Marshall B. Ketchum U.                  | 612  | 343                  | 0                                 | 0   | 343           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| U. Massachusetts, central office        | 613  | 342                  | 0                                 | 0   | 272           | 0                          | 0                 | 0          | 0               | 0            | 0           | 70                 |
| Indiana U., South Bend                  | 614  | 337                  | 0                                 | 1   | 0             | 0                          | 256               | 0          | 5               | 0            | 0           | 75                 |
| Marymount U.                            | 614  | 337                  | 174                               | 0   | 163           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Philadelphia C. of Osteopathic Medicine | 616  | 318                  | 0                                 | 0   | 318           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Heidelberg U.                           | 617  | 308                  | 0                                 | 308   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| C. Wooster                              | 618  | 300                  | 0                                 | 22  | 86            | 58                         | 134               | 0          | 0               | 0            | 0           | 0                  |
| Pratt Institute                         | 619  | 294                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 294                |
| Albion C.                               | 620  | 289                  | 0                                 | 0   | 0             | 0                          | 289               | 0          | 0               | 0            | 0           | 0                  |
| Hamilton C.                             | 621  | 286                  | 0                                 | 0   | 86            | 0                          | 8                 | 0          | 105             | 60           | 0           | 27                 |
| Lawrence Technological U.               | 622  | 284                  | 54                                | 0   | 0             | 9                          | 48                | 0          | 0               | 0            | 141         | 32                 |
| St. Olaf C.                             | 623  | 271                  | 85                                | 13  | 147           | 0                          | 3                 | 1          | 16              | 0            | 0           | 6                  |
| Andrews U.                              | 624  | 256                  | 0                                 | 32  | 0             | 0                          | 174               | 0          | 0               | 0            | 50          | 0                  |
| U. San Francisco                        | 625  | 255                  | 0                                 | 113   | 19            | 15                         | 84                | 0          | 24              | 0            | 0           | 0                  |
| Oregon Institute of Technology          | 626  | 252                  | 20                                | 24  | 123           | 9                          | 0                 | 5          | 0               | 0            | 71          | 0                  |
| Rhode Island School of Design           | 627  | 250                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 58              | 0            | 0           | 192                |
| Jacksonville State U.                   | 628  | 245                  | 0                                 | 0   | 31            | 0                          | 0                 | 0          | 0               | 0            | 6           | 208                |
| Lipscomb U.                             | 629  | 222                  | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 0               | 0            | 203         | 19                 |
| Azusa Pacific U.                        | 630  | 212                  | 9                                 | 0   | 42            | 0                          | 9                 | 146        | 0               | 0            | 0           | 6                  |
| U. Wisconsin-River Falls                | 630  | 212                  | 86                                | 0   | 48            | 0                          | 60                | 0          | 0               | 0            | 18          | 0                  |
| Alaska Pacific U.                       | 632  | 189                  | 0                                 | 158   | 29            | 0                          | 0                 | 0          | 0               | 0            | 0           | 2                  |
| Framingham State U.                     | 633  | 188                  | 0                                 | 0   | 0             | 0                          | 177               | 11         | 0               | 0            | 0           | 0                  |
| Monmouth U.                             | 634  | 174                  | 0                                 | 86  | 16            | 0                          | 15                | 12         | 45              | 0            | 0           | 0                  |
| U. Minnesota, Morris                    | 635  | 162                  | 0                                 | 140   | 0             | 0                          | 0                 | 0          | 0               | 0            | 0           | 22                 |
| Wheaton C., Wheaton                     | 636  | 148                  | 0                                 | 76  | 18            | 0                          | 54                | 0          | 0               | 0            | 0           | 0                  |
| Fairfield U.                            | 637  | 147                  | 1                                 | 0   | 0             | 70                         | 74                | 0          | 0               | 0            | 2           | 0                  |
| Elon U.                                 | 638  | 138                  | 0                                 | 0   | 39            | 11                         | 0                 | 54         | 21              | 0            | 13          | 0                  |

TABLE 25

**Federally financed higher education R&D expenditures, ranked by all federal R&D expenditures, by R&D field: FY 2021**

(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 |
|-------------------------------|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Liberty U.                    | 639  | 120                  | 0                                 | 0   | 45            | 0                          | 0                 | 0          | 0               | 0            | 75          | 0                  |
| U. Michigan, Flint            | 640  | 113                  | 0                                 | 0   | 42            | 0                          | 0                 | 0          | 0               | 30           | 0           | 41                 |
| Eastern Connecticut State U.  | 641  | 108                  | 0                                 | 0   | 108           | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| Roseman U. of Health Sciences | 642  | 53                   | 0                                 | 0   | 53            | 0                          | 0                 | 0          | 0               | 0            | 0           | 0                  |
| C. of Saint Benedict          | 643  | 46 i                 | 2 i                               | 0 i   | 24 i          | 2 i                        | 10 i              | 3 i        | 1 i             | 0 i          | 0 i         | 4 i                |
| Niagara U.                    | 644  | 34                   | 0                                 | 0   | 0             | 0                          | 0                 | 0          | 21              | 0            | 0           | 13                 |

i = imputed.

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

<sup>a</sup> Johns Hopkins University includes the Applied Physics Laboratory, with \$1,881,568 thousand in federally financed R&D expenditures in FY 2021.

<sup>b</sup> 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.

<sup>c</sup> The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

<sup>d</sup> The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

**Note(s):**

Institutions reporting zero federal expenditures for FY 2021 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 2020. Institutions reporting less than \$1 million in total R&D expenditures in 2020 completed a shorter version of the survey form in FY 2021, 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 84.

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2021.