

Appendix table 2-19

## Full-time S&amp;E graduate students, by field and mechanism of primary support: 2003

| Field   | All mechanisms |         | Research assistantship |         | Fellowship |         | Traineeship |         | Teaching assistantship |         | Other  |         | Self-support <sup>a</sup> |         |
|---|----------------|---------|------------------------|---------|------------|---------|-------------|---------|------------------------|---------|--------|---------|---------------------------|---------|
|   | Number         | Percent | Number                 | Percent | Number     | Percent | Number      | Percent | Number                 | Percent | Number | Percent | Number                    | Percent |
| S&E .....                                     | 398,010        | 100.0   | 114,337                | 28.7    | 34,778     | 8.7     | 15,095      | 3.8     | 73,065                 | 18.4    | 25,250 | 6.3     | 135,485                   | 34.0    |
| Engineering .....                             | 90,379         | 100.0   | 37,438                 | 41.4    | 7,291      | 8.1     | 1,056       | 1.2     | 12,561                 | 13.9    | 5,412  | 6.0     | 26,621                    | 29.5    |
| Aerospace .....                               | 3,243          | 100.0   | 1,564                  | 48.2    | 274        | 8.4     | 36          | 1.1     | 411                    | 12.7    | 229    | 7.1     | 729                       | 22.5    |
| Chemical .....                                | 6,414          | 100.0   | 3,603                  | 56.2    | 837        | 13.0    | 73          | 1.1     | 851                    | 13.3    | 207    | 3.2     | 843                       | 13.1    |
| Civil .....                                   | 13,710         | 100.0   | 5,033                  | 36.7    | 1,115      | 8.1     | 196         | 1.4     | 2,011                  | 14.7    | 799    | 5.8     | 4,556                     | 33.2    |
| Electrical .....                              | 28,952         | 100.0   | 10,809                 | 37.3    | 1,536      | 5.3     | 128         | 0.4     | 4,227                  | 14.6    | 1,678  | 5.8     | 10,574                    | 36.5    |
| Industrial .....                              | 7,085          | 100.0   | 1,841                  | 26.0    | 461        | 6.5     | 42          | 0.6     | 959                    | 13.5    | 738    | 10.4    | 3,044                     | 43.0    |
| Materials .....                               | 4,386          | 100.0   | 2,847                  | 64.9    | 470        | 10.7    | 33          | 0.8     | 419                    | 9.6     | 104    | 2.4     | 513                       | 11.7    |
| Mechanical .....                              | 13,375         | 100.0   | 6,059                  | 45.3    | 993        | 7.4     | 117         | 0.9     | 2,316                  | 17.3    | 698    | 5.2     | 3,192                     | 23.9    |
| Other .....                                   | 13,214         | 100.0   | 5,682                  | 43.0    | 1,605      | 12.1    | 431         | 3.3     | 1,367                  | 10.3    | 959    | 7.3     | 3,170                     | 24.0    |
| Science .....                                 | 307,631        | 100.0   | 76,899                 | 25.0    | 27,487     | 8.9     | 14,039      | 4.6     | 60,504                 | 19.7    | 19,838 | 6.4     | 108,864                   | 35.4    |
| Natural sciences .....                        | 210,580        | 100.0   | 62,950                 | 29.9    | 16,210     | 7.7     | 11,584      | 5.5     | 41,486                 | 19.7    | 13,153 | 6.2     | 65,197                    | 31.0    |
| Agricultural sciences .....                   | 10,003         | 100.0   | 5,806                  | 58.0    | 568        | 5.7     | 52          | 0.5     | 1,186                  | 11.9    | 426    | 4.3     | 1,965                     | 19.6    |
| Biological sciences .....                     | 54,346         | 100.0   | 22,697                 | 41.8    | 6,504      | 12.0    | 5,620       | 10.3    | 9,134                  | 16.8    | 2,568  | 4.7     | 7,823                     | 14.4    |
| Earth, atmospheric, and ocean sciences .....  | 11,511         | 100.0   | 4,599                  | 40.0    | 1,175      | 10.2    | 115         | 1.0     | 2,810                  | 24.4    | 546    | 4.7     | 2,266                     | 19.7    |
| Atmospheric sciences .....                    | 1,019          | 100.0   | 643                    | 63.1    | 51         | 5.0     | 3           | 0.3     | 141                    | 13.8    | 90     | 8.8     | 91                        | 8.9     |
| Earth sciences .....                          | 5,574          | 100.0   | 1,994                  | 35.8    | 610        | 10.9    | 34          | 0.6     | 1,946                  | 34.9    | 202    | 3.6     | 788                       | 14.1    |
| Oceanography .....                            | 2,259          | 100.0   | 1,207                  | 53.4    | 269        | 11.9    | 30          | 1.3     | 267                    | 11.8    | 52     | 2.3     | 434                       | 19.2    |
| Other geosciences .....                       | 2,659          | 100.0   | 755                    | 28.4    | 245        | 9.2     | 48          | 1.8     | 456                    | 17.1    | 202    | 7.6     | 953                       | 35.8    |
| Mathematics/computer sciences .....           | 45,477         | 100.0   | 9,315                  | 20.5    | 2,773      | 6.1     | 455         | 1.0     | 12,954                 | 28.5    | 2,834  | 6.2     | 17,146                    | 37.7    |
| Computer sciences .....                       | 30,850         | 100.0   | 7,505                  | 24.3    | 1,391      | 4.5     | 332         | 1.1     | 5,024                  | 16.3    | 2,259  | 7.3     | 14,339                    | 46.5    |
| Mathematics/statistics .....                  | 14,627         | 100.0   | 1,810                  | 12.4    | 1,382      | 9.4     | 123         | 0.8     | 7,930                  | 54.2    | 575    | 3.9     | 2,807                     | 19.2    |
| Medical/other life sciences .....             | 58,802         | 100.0   | 7,039                  | 12.0    | 2,660      | 4.5     | 4,978       | 8.5     | 3,640                  | 6.2     | 6,252  | 10.6    | 34,233                    | 58.2    |
| Medical sciences .....                        | 21,613         | 100.0   | 4,384                  | 20.3    | 1,558      | 7.2     | 1,915       | 8.9     | 1,525                  | 7.1     | 1,736  | 8.0     | 10,495                    | 48.6    |
| Other life sciences .....                     | 37,189         | 100.0   | 2,655                  | 7.1     | 1,102      | 3.0     | 3,063       | 8.2     | 2,115                  | 5.7     | 4,516  | 12.1    | 23,738                    | 63.8    |
| Physical sciences .....                       | 30,441         | 100.0   | 13,494                 | 44.3    | 2,530      | 8.3     | 364         | 1.2     | 11,762                 | 38.6    | 527    | 1.7     | 1,764                     | 5.8     |
| Astronomy .....                               | 1,023          | 100.0   | 546                    | 53.4    | 181        | 17.7    | 14          | 1.4     | 225                    | 22.0    | 25     | 2.4     | 32                        | 3.1     |
| Chemistry .....                               | 17,694         | 100.0   | 7,485                  | 42.3    | 1,434      | 8.1     | 247         | 1.4     | 7,373                  | 41.7    | 263    | 1.5     | 892                       | 5.0     |
| Physics .....                                 | 11,430         | 100.0   | 5,383                  | 47.1    | 896        | 7.8     | 103         | 0.9     | 4,135                  | 36.2    | 222    | 1.9     | 691                       | 6.0     |
| Other physical sciences .....                 | 294            | 100.0   | 80                     | 27.2    | 19         | 6.5     | 0           | 0.0     | 29                     | 9.9     | 17     | 5.8     | 149                       | 50.7    |
| Social/behavioral sciences .....              | 97,051         | 100.0   | 13,949                 | 14.4    | 11,277     | 11.6    | 2,455       | 2.5     | 19,018                 | 19.6    | 6,685  | 6.9     | 43,667                    | 45.0    |
| Psychology .....                              | 35,777         | 100.0   | 5,589                  | 15.6    | 2,378      | 6.6     | 1,167       | 3.3     | 6,070                  | 17.0    | 2,954  | 8.3     | 17,619                    | 49.2    |
| Social sciences .....                         | 61,274         | 100.0   | 8,360                  | 13.6    | 8,899      | 14.5    | 1,288       | 2.1     | 12,948                 | 21.1    | 3,731  | 6.1     | 26,048                    | 42.5    |
| Anthropology .....                            | 5,945          | 100.0   | 517                    | 8.7     | 1,407      | 23.7    | 57          | 1.0     | 1,581                  | 26.6    | 363    | 6.1     | 2,020                     | 34.0    |
| Economics .....                               | 12,052         | 100.0   | 2,316                  | 19.2    | 1,757      | 14.6    | 186         | 1.5     | 3,329                  | 27.6    | 713    | 5.9     | 3,751                     | 31.1    |
| History of science .....                      | 432            | 100.0   | 21                     | 4.9     | 134        | 31.0    | 13          | 3.0     | 119                    | 27.5    | 23     | 5.3     | 122                       | 28.2    |
| Linguistics .....                             | 2,389          | 100.0   | 232                    | 9.7     | 417        | 17.5    | 25          | 1.0     | 667                    | 27.9    | 150    | 6.3     | 898                       | 37.6    |
| Political science/public administration ..... | 19,969         | 100.0   | 1,963                  | 9.8     | 3,134      | 15.7    | 626         | 3.1     | 2,831                  | 14.2    | 1,201  | 6.0     | 10,214                    | 51.1    |
| Sociology .....                               | 7,242          | 100.0   | 1,074                  | 14.8    | 1,088      | 15.0    | 174         | 2.4     | 2,415                  | 33.3    | 396    | 5.5     | 2,095                     | 28.9    |
| Other social sciences .....                   | 13,245         | 100.0   | 2,237                  | 16.9    | 962        | 7.3     | 207         | 1.6     | 2,006                  | 15.1    | 885    | 6.7     | 6,948                     | 52.5    |

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SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.