

TABLE 4-9a

Geosciences, atmospheric sciences, and ocean sciences master's and doctoral student demographics, enrollment status, and funding: 2022

(Number and percent)

| Characteristic | All graduate students | | Master's students | | Doctoral students | |
|--|-----------------------|---------|-------------------|---------|-------------------|---------|
| | Number | Percent | Number | Percent | Number | Percent |
| Institutions | 224 | 32.5 | 207 | 30.0 | 155 | 22.5 |
| Schools | 229 | 29.5 | 212 | 27.4 | 157 | 20.3 |
| Units | 396 | 1.8 | 335 | 1.5 | 266 | 1.2 |
| All graduate students | 11,970 | 100.0 | 5,186 | 100.0 | 6,784 | 100.0 |
| Male | 5,763 | 48.1 | 2,435 | 47.0 | 3,328 | 49.1 |
| Female | 6,207 | 51.9 | 2,751 | 53.0 | 3,456 | 50.9 |
| U.S. citizens and permanent residents ^a | 9,294 | 77.6 | 4,585 | 88.4 | 4,709 | 69.4 |
| Hispanic or Latino | 1,109 | 9.3 | 578 | 11.1 | 531 | 7.8 |
| Not Hispanic or Latino | | | | | | |
| American Indian or Alaska Native | 34 | 0.3 | 18 | 0.3 | 16 | 0.2 |
| Asian | 417 | 3.5 | 154 | 3.0 | 263 | 3.9 |
| Black or African American | 313 | 2.6 | 161 | 3.1 | 152 | 2.2 |
| Native Hawaiian or Other Pacific Islander | 6 | 0.1 | 3 | 0.1 | 3 | * |
| White | 6,686 | 55.9 | 3,364 | 64.9 | 3,322 | 49.0 |
| More than one race | 426 | 3.6 | 193 | 3.7 | 233 | 3.4 |
| Unknown ethnicity and race | 303 | 2.5 | 114 | 2.2 | 189 | 2.8 |
| Temporary visa holders | 2,676 | 22.4 | 601 | 11.6 | 2,075 | 30.6 |
| Part time | 2,223 | 18.6 | 1,565 | 30.2 | 658 | 9.7 |
| Full time | 9,747 | 81.4 | 3,621 | 69.8 | 6,126 | 90.3 |
| First time | 2,394 | 20.0 | 1,348 | 26.0 | 1,046 | 15.4 |
| Primary source of support for full-time students ^b | | | | | | |
| Federal | 2,726 | 22.8 | 686 | 13.2 | 2,040 | 30.1 |
| DOD | 179 | 1.5 | 58 | 1.1 | 121 | 1.8 |
| DOE | 120 | 1.0 | 34 | 0.7 | 86 | 1.3 |
| HHS | 44 | 0.4 | 7 | 0.1 | 37 | 0.5 |
| NIH | 26 | 0.2 | 3 | 0.1 | 23 | 0.3 |
| Other HHS | 18 | 0.2 | 4 | 0.1 | 14 | 0.2 |
| NASA | 460 | 3.8 | 53 | 1.0 | 407 | 6.0 |
| NSF | 1,246 | 10.4 | 248 | 4.8 | 998 | 14.7 |
| USDA | 39 | 0.3 | 9 | 0.2 | 30 | 0.4 |
| Other | 638 | 5.3 | 277 | 5.3 | 361 | 5.3 |
| Nonfederal | 5,768 | 48.2 | 2,008 | 38.7 | 3,760 | 55.4 |
| Institutional | 5,203 | 43.5 | 1,851 | 35.7 | 3,352 | 49.4 |
| Domestic | 475 | 4.0 | 140 | 2.7 | 335 | 4.9 |
| Foreign | 90 | 0.8 | 17 | 0.3 | 73 | 1.1 |
| Self-support | 1,253 | 10.5 | 927 | 17.9 | 326 | 4.8 |
| Primary mechanism of support for full-time students ^b | | | | | | |
| Fellowships | 1,102 | 9.2 | 126 | 2.4 | 976 | 14.4 |
| Research assistantships | 4,301 | 35.9 | 1,139 | 22.0 | 3,162 | 46.6 |
| Teaching assistantships | 2,352 | 19.6 | 1,126 | 21.7 | 1,226 | 18.1 |
| Traineeships | 78 | 0.7 | 9 | 0.2 | 69 | 1.0 |
| Other types of support | 1,914 | 16.0 | 1,221 | 23.5 | 693 | 10.2 |
| Self-support | 1,253 | 10.5 | 927 | 17.9 | 326 | 4.8 |
| Other | 661 | 5.5 | 294 | 5.7 | 367 | 5.4 |

* = value < 0.05%.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Ethnicity and race data are available only for U.S. citizens and permanent residents.

^b Funding data are available only for full-time students.

Note(s):

Percentages may not add to total because of rounding. For more information on the mapping of Survey of Graduate Students and Postdoctorates in Science and Engineering fields and codes, see technical table A-17.

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2022.