

Table 1**Master's students, doctoral students, and postdocs in science, engineering, and health fields, by sex, citizenship, ethnicity, and race: 2017–19**

(Number and percent change)

| Characteristic | Master's | | | | Doctoral | | | | Postdocs | | | |
|--|----------|---------|---------|------------------------|----------|---------|---------|------------------------|----------|--------|--------|------------------------|
| | 2017 | 2018 | 2019 | Percent change 2017–19 | 2017 | 2018 | 2019 | Percent change 2017–19 | 2017 | 2018 | 2019 | Percent change 2017–19 |
| All | 378,587 | 391,211 | 408,228 | 7.8 | 270,525 | 277,096 | 281,889 | 4.2 | 64,733 | 64,783 | 66,247 | 2.3 |
| Male | 200,748 | 201,314 | 205,768 | 2.5 | 155,699 | 158,019 | 159,227 | 2.3 | 38,870 | 38,661 | 39,173 | 0.8 |
| Female | 177,839 | 189,897 | 202,460 | 13.8 | 114,826 | 119,077 | 122,662 | 6.8 | 25,863 | 26,122 | 27,074 | 4.7 |
| U.S. citizens and permanent residents ^a | 251,896 | 271,290 | 287,370 | 14.1 | 164,585 | 167,291 | 169,134 | 2.8 | 30,110 | 29,622 | 29,452 | -2.2 |
| Male | 119,906 | 126,552 | 131,686 | 9.8 | 86,517 | 86,601 | 86,651 | 0.2 | 16,378 | 15,934 | 15,570 | -4.9 |
| Female | 131,990 | 144,738 | 155,684 | 18.0 | 78,068 | 80,690 | 82,483 | 5.7 | 13,732 | 13,688 | 13,882 | 1.1 |
| Hispanic or Latino | 29,622 | 32,923 | 36,777 | 24.2 | 14,999 | 16,161 | 17,690 | 17.9 | 1,659 | 1,856 | 1,924 | 16.0 |
| Not Hispanic or Latino | | | | | | | | | | | | |
| American Indian or Alaska Native | 1,136 | 1,219 | 1,327 | 16.8 | 714 | 713 | 750 | 5.0 | 125 | 81 | 69 | -44.8 |
| Asian | 26,093 | 28,557 | 31,301 | 20.0 | 15,952 | 16,750 | 17,543 | 10.0 | 6,045 | 6,020 | 5,891 | -2.5 |
| Black or African American | 23,266 | 25,878 | 27,598 | 18.6 | 9,483 | 10,065 | 10,450 | 10.2 | 1,019 | 1,104 | 1,088 | 6.8 |
| Native Hawaiian or Other Pacific Islander | 468 | 497 | 542 | 15.8 | 235 | 233 | 202 | -14.0 | 112 | 55 | 52 | -53.6 |
| White | 148,031 | 156,010 | 163,836 | 10.7 | 109,271 | 109,725 | 108,709 | -0.5 | 17,313 | 17,232 | 16,972 | -2.0 |
| More than one race | 8,119 | 9,120 | 9,593 | 18.2 | 5,420 | 5,744 | 6,020 | 11.1 | 730 | 506 | 519 | -28.9 |
| Unknown race and ethnicity | 15,161 | 17,086 | 16,396 | 8.1 | 8,511 | 7,900 | 7,770 | -8.7 | 3,107 | 2,768 | 2,937 | -5.5 |
| Temporary visa holders | 126,691 | 119,921 | 120,858 | -4.6 | 105,940 | 109,805 | 112,755 | 6.4 | 34,623 | 35,161 | 36,795 | 6.3 |
| Male | 80,842 | 74,762 | 74,082 | -8.4 | 69,182 | 71,418 | 72,576 | 4.9 | 22,492 | 22,727 | 23,603 | 4.9 |

^a Race and ethnicity data are available for U.S. citizens and permanent residents only.**Source(s):**

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