

TABLE 3-3

Hispanic or Latino U.S. citizen and permanent resident S&amp;E graduate students in all institutions and in HHEs, by field and sex: 2016

(Number and percent)

| Field   | All institutions (number) |        |        | HHEs (number)             |        |       | HHEs (%)                  |        |      |
|---|---------------------------|--------|--------|---------------------------|--------|-------|---------------------------|--------|------|
|   | All S&E graduate students | Female | Male   | All S&E graduate students | Female | Male  | All S&E graduate students | Female | Male |
| S&E   | 39,578                    | 20,457 | 19,121 | 14,584                    | 8,021  | 6,563 | 36.8                      | 39.2   | 34.3 |
| Science   | 32,616                    | 18,677 | 13,939 | 12,403                    | 7,500  | 4,903 | 38.0                      | 40.2   | 35.2 |
| Agricultural sciences                           | 1,132                     | 651    | 481    | 398                       | 238    | 160   | 35.2                      | 36.6   | 33.3 |
| Biological sciences                             | 5,878                     | 3,447  | 2,431  | 1,721                     | 1,032  | 689   | 29.3                      | 29.9   | 28.3 |
| Anatomy   | 48                        | 28     | 20     | 27                        | 16     | 11    | 56.3                      | 57.1   | 55.0 |
| Biochemistry                                    | 343                       | 170    | 173    | 96                        | 38     | 58    | 28.0                      | 22.4   | 33.5 |
| Biology   | 1,386                     | 809    | 577    | 640                       | 366    | 274   | 46.2                      | 45.2   | 47.5 |
| Biometry and epidemiology                       | 490                       | 327    | 163    | 133                       | 95     | 38    | 27.1                      | 29.1   | 23.3 |
| Biophysics                                      | 57                        | 19     | 38     | 0                         | 0      | 0     | 0.0                       | 0.0    | 0.0  |
| Botany and plant biology                        | 97                        | 53     | 44     | 10                        | 5      | 5     | 10.3                      | 9.4    | 11.4 |
| Cell and molecular biology                      | 519                       | 269    | 250    | 112                       | 48     | 64    | 21.6                      | 17.8   | 25.6 |
| Ecology   | 46                        | 27     | 19     | 5                         | 4      | 1     | 10.9                      | 14.8   | 5.3  |
| Entomology and parasitology                     | 57                        | 29     | 28     | 6                         | 4      | 2     | 10.5                      | 13.8   | 7.1  |
| Genetics  | 172                       | 97     | 75     | 4                         | 3      | 1     | 2.3                       | 3.1    | 1.3  |
| Microbiology, immunology, and virology          | 363                       | 226    | 137    | 61                        | 41     | 20    | 16.8                      | 18.1   | 14.6 |
| Nutrition                                       | 298                       | 241    | 57     | 106                       | 92     | 14    | 35.6                      | 38.2   | 24.6 |
| Pathology                                       | 67                        | 36     | 31     | 2                         | 1      | 1     | 3.0                       | 2.8    | 3.2  |
| Pharmacology and toxicology                     | 186                       | 109    | 77     | 30                        | 21     | 9     | 16.1                      | 19.3   | 11.7 |
| Physiology                                      | 280                       | 134    | 146    | 55                        | 31     | 24    | 19.6                      | 23.1   | 16.4 |
| Zoology   | 33                        | 27     | 6      | 0                         | 0      | 0     | 0.0                       | 0.0    | 0.0  |
| Biosciences nec                                 | 1,436                     | 846    | 590    | 434                       | 267    | 167   | 30.2                      | 31.6   | 28.3 |
| Communication                                   | 1,064                     | 707    | 357    | 395                       | 255    | 140   | 37.1                      | 36.1   | 39.2 |
| Computer sciences                               | 2,704                     | 646    | 2,058  | 722                       | 145    | 577   | 26.7                      | 22.4   | 28.0 |
| Earth, atmospheric, and ocean sciences          | 1,014                     | 540    | 474    | 471                       | 243    | 228   | 46.4                      | 45.0   | 48.1 |
| Atmospheric sciences                            | 76                        | 34     | 42     | 19                        | 9      | 10    | 25.0                      | 26.5   | 23.8 |
| Geosciences                                     | 494                       | 227    | 267    | 183                       | 70     | 113   | 37.0                      | 30.8   | 42.3 |
| Ocean sciences                                  | 179                       | 120    | 59     | 74                        | 45     | 29    | 41.3                      | 37.5   | 49.2 |
| Earth, atmospheric, and ocean sciences nec      | 265                       | 159    | 106    | 195                       | 119    | 76    | 73.6                      | 74.8   | 71.7 |
| Family and consumer sciences and human sciences | 313                       | 277    | 36     | 139                       | 128    | 11    | 44.4                      | 46.2   | 30.6 |
| Mathematics and statistics                      | 1,145                     | 364    | 781    | 488                       | 172    | 316   | 42.6                      | 47.3   | 40.5 |
| Mathematics and applied mathematics             | 954                       | 302    | 652    | 415                       | 145    | 270   | 43.5                      | 48.0   | 41.4 |
| Statistics                                      | 191                       | 62     | 129    | 73                        | 27     | 46    | 38.2                      | 43.5   | 35.7 |
| Multidisciplinary and interdisciplinary studies | 599                       | 335    | 264    | 172                       | 114    | 58    | 28.7                      | 34.0   | 22.0 |
| Neurobiology and neuroscience                   | 460                       | 264    | 196    | 33                        | 19     | 14    | 7.2                       | 7.2    | 7.1  |
| Physical sciences                               | 2,081                     | 740    | 1,341  | 621                       | 225    | 396   | 29.8                      | 30.4   | 29.5 |
| Astronomy and astrophysics                      | 81                        | 27     | 54     | 10                        | 2      | 8     | 12.3                      | 7.4    | 14.8 |
| Chemistry                                       | 1,254                     | 563    | 691    | 371                       | 174    | 197   | 29.6                      | 30.9   | 28.5 |
| Physics   | 696                       | 127    | 569    | 226                       | 43     | 183   | 32.5                      | 33.9   | 32.2 |
| Physical sciences nec                           | 50                        | 23     | 27     | 14                        | 6      | 8     | 28.0                      | 26.1   | 29.6 |
| Psychology                                      | 6,844                     | 5,206  | 1,638  | 3,464                     | 2,669  | 795   | 50.6                      | 51.3   | 48.5 |

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Hispanic or Latino U.S. citizen and permanent resident S&E graduate students in all institutions and in HHEs, by field and sex: 2016

(Number and percent)

| Field                                       | All institutions (number) |        |       | HHEs (number)             |        |       | HHEs (%)                  |        |       |
|---|---------------------------|--------|-------|---------------------------|--------|-------|---------------------------|--------|-------|
|   | All S&E graduate students | Female | Male  | All S&E graduate students | Female | Male  | All S&E graduate students | Female | Male  |
| Clinical psychology                         | 1,502                     | 1,164  | 338   | 682                       | 521    | 161   | 45.4                      | 44.8   | 47.6  |
| Psychology, general                         | 1,417                     | 1,037  | 380   | 682                       | 525    | 157   | 48.1                      | 50.6   | 41.3  |
| Psychology nec                              | 3,925                     | 3,005  | 920   | 2,100                     | 1,623  | 477   | 53.5                      | 54.0   | 51.8  |
| Social sciences                             | 9,382                     | 5,500  | 3,882 | 3,779                     | 2,260  | 1,519 | 40.3                      | 41.1   | 39.1  |
| Agricultural economics                      | 63                        | 30     | 33    | 21                        | 14     | 7     | 33.3                      | 46.7   | 21.2  |
| Anthropology                                | 638                       | 405    | 233   | 196                       | 126    | 70    | 30.7                      | 31.1   | 30.0  |
| Economics (except agricultural)             | 532                       | 163    | 369   | 186                       | 60     | 126   | 35.0                      | 36.8   | 34.1  |
| Geography                                   | 256                       | 137    | 119   | 70                        | 38     | 32    | 27.3                      | 27.7   | 26.9  |
| History and philosophy of science           | 10                        | 4      | 6     | 0                         | 0      | 0     | 0.0                       | 0.0    | 0.0   |
| Linguistics                                 | 250                       | 163    | 87    | 139                       | 96     | 43    | 55.6                      | 58.9   | 49.4  |
| Political science and government            | 4,657                     | 2,654  | 2,003 | 1,852                     | 1,075  | 777   | 39.8                      | 40.5   | 38.8  |
| Sociology                                   | 947                       | 601    | 346   | 399                       | 251    | 148   | 42.1                      | 41.8   | 42.8  |
| Sociology and anthropology                  | 24                        | 16     | 8     | 21                        | 13     | 8     | 87.5                      | 81.3   | 100.0 |
| Social sciences nec                         | 2,005                     | 1,327  | 678   | 895                       | 587    | 308   | 44.6                      | 44.2   | 45.4  |
| Engineering                                 | 6,962                     | 1,780  | 5,182 | 2,181                     | 521    | 1,660 | 31.3                      | 29.3   | 32.0  |
| Aerospace engineering                       | 296                       | 38     | 258   | 43                        | 5      | 38    | 14.5                      | 13.2   | 14.7  |
| Agricultural engineering                    | 51                        | 20     | 31    | 1                         | 0      | 1     | 2.0                       | 0.0    | 3.2   |
| Architecture                                | 125                       | 54     | 71    | 34                        | 11     | 23    | 27.2                      | 20.4   | 32.4  |
| Biomedical engineering                      | 576                       | 247    | 329   | 116                       | 46     | 70    | 20.1                      | 18.6   | 21.3  |
| Chemical engineering                        | 341                       | 110    | 231   | 57                        | 20     | 37    | 16.7                      | 18.2   | 16.0  |
| Civil engineering                           | 1,189                     | 394    | 795   | 487                       | 142    | 345   | 41.0                      | 36.0   | 43.4  |
| Electrical engineering                      | 1,357                     | 187    | 1,170 | 498                       | 51     | 447   | 36.7                      | 27.3   | 38.2  |
| Engineering science, mechanics, and physics | 37                        | 11     | 26    | 0                         | 0      | 0     | 0.0                       | 0.0    | 0.0   |
| Industrial and manufacturing engineering    | 756                       | 266    | 490   | 327                       | 131    | 196   | 43.3                      | 49.2   | 40.0  |
| Mechanical engineering                      | 1,273                     | 200    | 1,073 | 447                       | 60     | 387   | 35.1                      | 30.0   | 36.1  |
| Metallurgical and materials engineering     | 324                       | 104    | 220   | 80                        | 30     | 50    | 24.7                      | 28.8   | 22.7  |
| Mining engineering                          | 15                        | 2      | 13    | 3                         | 0      | 3     | 20.0                      | 0.0    | 23.1  |
| Nuclear engineering                         | 90                        | 17     | 73    | 6                         | 0      | 6     | 6.7                       | 0.0    | 8.2   |
| Petroleum engineering                       | 51                        | 12     | 39    | 5                         | 3      | 2     | 9.8                       | 25.0   | 5.1   |
| Engineering nec                             | 481                       | 118    | 363   | 77                        | 22     | 55    | 16.0                      | 18.6   | 15.2  |

HHEs = high-Hispanic-enrollment institutions; nec = not elsewhere classified; S&E = science and engineering.

**Note(s)**

HHEs are institutions whose undergraduate, full-time equivalent student enrollment is at least 25% Hispanic or Latino, according to data that institutions reported in the Integrated Postsecondary Education Data System Fall 2015 Enrollment Survey, conducted by National Center for Education Statistics. Hispanic or Latino may be any race.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2016.