

TABLE 76. Black, non-Hispanic U.S. citizen and permanent resident full-time graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field: 2003–09

| Field | 2003 | 2004 | 2005 | 2006 | 2007old ^a | 2007new ^a | 2008 | 2009 |
|--|--------|--------|--------|--------|----------------------|----------------------|--------|--------|
| Black students in all institutions | 17,678 | 18,500 | 18,740 | 19,936 | 19,625 | 20,078 | 21,903 | 22,362 |
| Science and engineering | 13,522 | 14,022 | 14,186 | 14,858 | 15,003 | 15,528 | 16,839 | 17,779 |
| Science | 11,687 | 12,062 | 12,217 | 12,718 | 12,834 | 13,308 | 14,556 | 15,407 |
| Agricultural sciences | 346 | 298 | 310 | 307 | 283 | 285 | 311 | 274 |
| Biological sciences | 2,097 | 2,241 | 2,318 | 2,418 | 2,486 | 2,509 | 2,645 | 2,831 |
| Communication ^a | ne | ne | ne | ne | ne | 279 | 335 | 366 |
| Computer sciences | 800 | 788 | 764 | 738 | 825 | 813 | 803 | 914 |
| Earth, atmospheric, and ocean sciences | 195 | 194 | 170 | 186 | 196 | 191 | 207 | 223 |
| Family and consumer sciences/human sciences ^a | ne | ne | ne | ne | ne | 142 | 155 | 229 |
| Mathematical sciences | 382 | 392 | 414 | 420 | 423 | 422 | 402 | 433 |
| Multidisciplinary/interdisciplinary studies ^a | ne | ne | ne | ne | ne | 131 | 169 | 233 |
| Neuroscience ^a | na | na | na | na | na | 55 | 60 | 81 |
| Physical sciences | 736 | 802 | 784 | 785 | 772 | 770 | 786 | 800 |
| Psychology | 2,571 | 2,761 | 2,856 | 2,986 | 2,910 | 2,877 | 3,423 | 3,453 |
| Social sciences | 4,560 | 4,586 | 4,601 | 4,878 | 4,939 | 4,834 | 5,260 | 5,570 |
| Engineering | 1,835 | 1,960 | 1,969 | 2,140 | 2,169 | 2,220 | 2,283 | 2,372 |
| Health ^a | 4,156 | 4,478 | 4,554 | 5,078 | 4,622 | 4,550 | 5,064 | 4,583 |
| Black students in HBCUs | 3,152 | 3,263 | 3,287 | 3,416 | 2,840 | 2,895 | 2,851 | 2,974 |
| Science and engineering | 2,268 | 2,493 | 2,502 | 2,558 | 2,299 | 2,345 | 2,318 | 2,594 |
| Science | 2,015 | 2,215 | 2,223 | 2,204 | 1,964 | 1,986 | 1,952 | 2,207 |
| Agricultural sciences | 194 | 139 | 143 | 135 | 110 | 110 | 158 | 123 |
| Biological sciences | 427 | 431 | 390 | 365 | 364 | 376 | 391 | 464 |
| Communication ^a | ne | ne | ne | ne | ne | 38 | 28 | 36 |
| Computer sciences | 152 | 114 | 124 | 124 | 104 | 103 | 101 | 104 |
| Earth, atmospheric, and ocean sciences | 34 | 38 | 34 | 40 | 30 | 30 | 36 | 36 |
| Family and consumer sciences/human sciences ^a | ne | ne | ne | ne | ne | 13 | 11 | 25 |
| Mathematical sciences | 63 | 61 | 72 | 85 | 84 | 84 | 57 | 78 |
| Multidisciplinary/interdisciplinary studies ^a | ne | ne | ne | ne | ne | 13 | 12 | 13 |
| Neuroscience ^a | na | na | na | na | na | 0 | 0 | 18 |
| Physical sciences | 116 | 174 | 172 | 184 | 162 | 162 | 163 | 167 |
| Psychology | 308 | 376 | 401 | 365 | 345 | 345 | 304 | 286 |
| Social sciences | 721 | 882 | 887 | 906 | 765 | 712 | 691 | 857 |
| Engineering | 253 | 278 | 279 | 354 | 335 | 359 | 366 | 387 |
| Health ^a | 884 | 770 | 785 | 858 | 541 | 550 | 533 | 380 |
| Percentage of black students in HBCUs | 17.8 | 17.6 | 17.5 | 17.1 | 14.5 | 14.4 | 13.0 | 13.3 |
| Science and engineering | 16.8 | 17.8 | 17.6 | 17.2 | 15.3 | 15.1 | 13.8 | 14.6 |
| Science | 17.2 | 18.4 | 18.2 | 17.3 | 15.3 | 14.9 | 13.4 | 14.3 |
| Agricultural sciences | 56.1 | 46.6 | 46.1 | 44.0 | 38.9 | 38.6 | 50.8 | 44.9 |
| Biological sciences | 20.4 | 19.2 | 16.8 | 15.1 | 14.6 | 15.0 | 14.8 | 16.4 |
| Communication ^a | ne | ne | ne | ne | ne | 13.6 | 8.4 | 9.8 |
| Computer sciences | 19.0 | 14.5 | 16.2 | 16.8 | 12.6 | 12.7 | 12.6 | 11.4 |
| Earth, atmospheric, and ocean sciences | 17.4 | 19.6 | 20.0 | 21.5 | 15.3 | 15.7 | 17.4 | 16.1 |
| Family and consumer sciences/human sciences ^a | ne | ne | ne | ne | ne | 9.2 | 7.1 | 10.9 |
| Mathematical sciences | 16.5 | 15.6 | 17.4 | 20.2 | 19.9 | 19.9 | 14.2 | 18.0 |
| Multidisciplinary/interdisciplinary studies ^a | ne | ne | ne | ne | ne | 9.9 | 7.1 | 5.6 |
| Neuroscience ^a | na | na | na | na | na | 0.0 | 0.0 | 22.2 |
| Physical sciences | 15.8 | 21.7 | 21.9 | 23.4 | 21.0 | 21.0 | 20.7 | 20.9 |
| Psychology | 12.0 | 13.6 | 14.0 | 12.2 | 11.9 | 12.0 | 8.9 | 8.3 |

TABLE 76. Black, non-Hispanic U.S. citizen and permanent resident full-time graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field: 2003–09

| Field | 2003 | 2004 | 2005 | 2006 | 2007old ^a | 2007new ^a | 2008 | 2009 |
|---------------------|------|------|------|------|----------------------|----------------------|------|------|
| Social sciences | 15.8 | 19.2 | 19.3 | 18.6 | 15.5 | 14.7 | 13.1 | 15.4 |
| Engineering | 13.8 | 14.2 | 14.2 | 16.5 | 15.4 | 16.2 | 16.0 | 16.3 |
| Health ^a | 21.3 | 17.2 | 17.2 | 16.9 | 11.7 | 12.1 | 10.5 | 8.3 |

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

HBCUs = historically black colleges and universities.

^a In 2007, GSS-eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of GSS-eligible units. "2007new" presents data as collected in 2007; "2007old" reflects data as they would have been collected under 2006 methodology. Science fields "communication" and "family and consumer sciences/human sciences" are newly eligible. Data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; these data may have been reported under other fields before 2007. "Neuroscience" is reported as a separate field of science in 2007new; these data were reported under health field "neurology" in 2007old and previous years. See appendix A, "Technical Notes," for more detail.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.