

TABLE 4-4b

Citizenship, ethnicity, and race of master's students, by detailed field: 2022

(Number and percent)

| Detailed field | U.S. citizens and permanent residents | | | | | | | | | | | | | | | | | | | | Temporary visa holders | |
|---|---------------------------------------|-------|------------------------|---------|----------------------------------|---------|--------|---------|---------------------------|---------|---|---------|---------|---------|--------------------|---------|--------|----------------------------|---------|---------|------------------------|--|
| | Total | | Not Hispanic or Latino | | | | | | | | | | | | | | | Unknown ethnicity and race | | | | |
| | | | Hispanic or Latino | | American Indian or Alaska Native | | Asian | | Black or African American | | Native Hawaiian or Other Pacific Islander | | White | | More than one race | | | | | | | |
| | | | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | | | Percent | | |
| All detailed fields | 501,311 | 100.0 | 48,303 | 100.0 | 1,331 | 100.0 | 40,873 | 100.0 | 31,398 | 100.0 | 541 | 100.0 | 172,212 | 100.0 | 12,002 | 100.0 | 15,345 | 100.0 | 179,306 | 100.0 | | |
| Science | 331,983 | 66.2 | 31,959 | 66.2 | 752 | 56.5 | 26,267 | 64.3 | 20,810 | 66.3 | 382 | 70.6 | 110,258 | 64.0 | 7,876 | 65.6 | 9,928 | 64.7 | 123,751 | 69.0 | | |
| Agricultural and veterinary sciences | 6,949 | 1.4 | 644 | 1.3 | 19 | 1.4 | 267 | 0.7 | 364 | 1.2 | 13 | 2.4 | 3,876 | 2.3 | 173 | 1.4 | 179 | 1.2 | 1,414 | 0.8 | | |
| Agricultural sciences | 6,165 | 1.2 | 556 | 1.2 | 19 | 1.4 | 232 | 0.6 | 327 | 1.0 | 12 | 2.2 | 3,450 | 2.0 | 154 | 1.3 | 138 | 0.9 | 1,277 | 0.7 | | |
| Veterinary biomedical and clinical sciences | 784 | 0.2 | 88 | 0.2 | 0 | 0.0 | 35 | 0.1 | 37 | 0.1 | 1 | 0.2 | 426 | 0.2 | 19 | 0.2 | 41 | 0.3 | 137 | 0.1 | | |
| Biological and biomedical sciences | 43,062 | 8.6 | 4,953 | 10.3 | 93 | 7.0 | 4,963 | 12.1 | 3,807 | 12.1 | 61 | 11.3 | 18,595 | 10.8 | 1,425 | 11.9 | 1,550 | 10.1 | 7,615 | 4.2 | | |
| Biochemistry | 911 | 0.2 | 116 | 0.2 | 1 | 0.1 | 77 | 0.2 | 41 | 0.1 | 1 | 0.2 | 353 | 0.2 | 25 | 0.2 | 41 | 0.3 | 256 | 0.1 | | |
| Biology | 7,969 | 1.6 | 1,083 | 2.2 | 22 | 1.7 | 558 | 1.4 | 603 | 1.9 | 23 | 4.3 | 4,354 | 2.5 | 268 | 2.2 | 248 | 1.6 | 810 | 0.5 | | |
| Biomedical sciences | 5,681 | 1.1 | 689 | 1.4 | 9 | 0.7 | 1,072 | 2.6 | 967 | 3.1 | 5 | 0.9 | 1,953 | 1.1 | 184 | 1.5 | 209 | 1.4 | 593 | 0.3 | | |
| Biophysics | 8 | * | 1 | * | 0 | 0.0 | 1 | * | 0 | 0.0 | 0 | 0.0 | 4 | * | 1 | * | 1 | * | 0 | 0.0 | | |
| Biostatistics and bioinformatics | 3,852 | 0.8 | 215 | 0.4 | 6 | 0.5 | 578 | 1.4 | 143 | 0.5 | 2 | 0.4 | 960 | 0.6 | 74 | 0.6 | 102 | 0.7 | 1,772 | 1.0 | | |
| Biotechnology | 3,916 | 0.8 | 407 | 0.8 | 5 | 0.4 | 570 | 1.4 | 306 | 1.0 | 1 | 0.2 | 1,201 | 0.7 | 126 | 1.0 | 156 | 1.0 | 1,144 | 0.6 | | |
| Botany and plant biology | 369 | 0.1 | 30 | 0.1 | 2 | 0.2 | 15 | * | 9 | * | 0 | 0.0 | 193 | 0.1 | 14 | 0.1 | 10 | 0.1 | 96 | 0.1 | | |
| Cell, cellular biology, and anatomical sciences | 1,137 | 0.2 | 167 | 0.3 | 4 | 0.3 | 124 | 0.3 | 64 | 0.2 | 1 | 0.2 | 484 | 0.3 | 46 | 0.4 | 65 | 0.4 | 182 | 0.1 | | |
| Ecology and population biology | 1,058 | 0.2 | 90 | 0.2 | 6 | 0.5 | 26 | 0.1 | 37 | 0.1 | 1 | 0.2 | 778 | 0.5 | 38 | 0.3 | 35 | 0.2 | 47 | * | | |
| Epidemiology | 3,844 | 0.8 | 440 | 0.9 | 3 | 0.2 | 562 | 1.4 | 356 | 1.1 | 6 | 1.1 | 1,383 | 0.8 | 129 | 1.1 | 94 | 0.6 | 871 | 0.5 | | |
| Genetics | 749 | 0.1 | 59 | 0.1 | 1 | 0.1 | 70 | 0.2 | 31 | 0.1 | 0 | 0.0 | 421 | 0.2 | 31 | 0.3 | 33 | 0.2 | 103 | 0.1 | | |
| Microbiological sciences and immunology | 2,026 | 0.4 | 339 | 0.7 | 7 | 0.5 | 196 | 0.5 | 122 | 0.4 | 2 | 0.4 | 959 | 0.6 | 75 | 0.6 | 107 | 0.7 | 219 | 0.1 | | |
| Molecular biology | 408 | 0.1 | 63 | 0.1 | 0 | 0.0 | 53 | 0.1 | 43 | 0.1 | 1 | 0.2 | 155 | 0.1 | 13 | 0.1 | 7 | * | 73 | * | | |
| Neurobiology and neuroscience | 515 | 0.1 | 81 | 0.2 | 1 | 0.1 | 69 | 0.2 | 37 | 0.1 | 0 | 0.0 | 227 | 0.1 | 18 | 0.1 | 11 | 0.1 | 71 | * | | |
| Nutrition science | 2,905 | 0.6 | 368 | 0.8 | 6 | 0.5 | 198 | 0.5 | 136 | 0.4 | 4 | 0.7 | 1,646 | 1.0 | 85 | 0.7 | 131 | 0.9 | 331 | 0.2 | | |
| Pathology and experimental pathology | 106 | * | 6 | * | 0 | 0.0 | 12 | * | 6 | * | 0 | 0.0 | 49 | * | 4 | * | 2 | * | 27 | * | | |
| Pharmacology and toxicology | 996 | 0.2 | 79 | 0.2 | 1 | 0.1 | 111 | 0.3 | 55 | 0.2 | 1 | 0.2 | 366 | 0.2 | 20 | 0.2 | 42 | 0.3 | 321 | 0.2 | | |
| Physiology | 2,891 | 0.6 | 251 | 0.5 | 6 | 0.5 | 289 | 0.7 | 305 | 1.0 | 5 | 0.9 | 1,357 | 0.8 | 123 | 1.0 | 122 | 0.8 | 433 | 0.2 | | |
| Zoology and animal biology | 861 | 0.2 | 77 | 0.2 | 6 | 0.5 | 30 | 0.1 | 22 | 0.1 | 0 | 0.0 | 592 | 0.3 | 29 | 0.2 | 15 | 0.1 | 90 | 0.1 | | |
| Biological and biomedical sciences nec | 2,860 | 0.6 | 392 | 0.8 | 7 | 0.5 | 352 | 0.9 | 524 | 1.7 | 8 | 1.5 | 1,160 | 0.7 | 122 | 1.0 | 119 | 0.8 | 176 | 0.1 | | |
| Computer and information sciences | 129,972 | 25.9 | 5,083 | 10.5 | 96 | 7.2 | 11,960 | 29.3 | 4,989 | 15.9 | 80 | 14.8 | 20,862 | 12.1 | 1,695 | 14.1 | 2,845 | 18.5 | 82,362 | 45.9 | | |
| Artificial intelligence, informatics, and computer and information science topics | 5,379 | 1.1 | 238 | 0.5 | 6 | 0.5 | 537 | 1.3 | 216 | 0.7 | 4 | 0.7 | 1,107 | 0.6 | 100 | 0.8 | 111 | 0.7 | 3,060 | 1.7 | | |
| Computer and information sciences | 39,719 | 7.9 | 1,390 | 2.9 | 12 | 0.9 | 4,273 | 10.5 | 863 | 2.7 | 15 | 2.8 | 6,576 | 3.8 | 493 | 4.1 | 547 | 3.6 | 25,550 | 14.2 | | |
| Computer and information systems security | 9,254 | 1.8 | 867 | 1.8 | 23 | 1.7 | 1,056 | 2.6 | 1,389 | 4.4 | 15 | 2.8 | 2,921 | 1.7 | 269 | 2.2 | 417 | 2.7 | 2,297 | 1.3 | | |
| Computer science | 42,092 | 8.4 | 833 | 1.7 | 15 | 1.1 | 3,196 | 7.8 | 553 | 1.8 | 15 | 2.8 | 4,008 | 2.3 | 358 | 3.0 | 911 | 5.9 | 32,203 | 18.0 | | |

TABLE 4-4b

Citizenship, ethnicity, and race of master's students, by detailed field: 2022

(Number and percent)

| Detailed field | Total | | U.S. citizens and permanent residents | | | | | | | | | | | | | | | | | Temporary visa holders | |
|---|--------|-----|---------------------------------------|------|----------------------------------|---------|--------|---------|---------------------------|---------|---|---------|--------|---------|--------------------|---------|----------------------------|------|--------|------------------------|----|
| | | | Hispanic or Latino | | Not Hispanic or Latino | | | | | | | | | | | | Unknown ethnicity and race | | | | |
| | | | | | American Indian or Alaska Native | | Asian | | Black or African American | | Native Hawaiian or Other Pacific Islander | | White | | More than one race | | | | | | |
| | | | | | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | | | Number | | |
| Information science and studies | 15,478 | 3.1 | 857 | 1.8 | 18 | 1.4 | 1,539 | 3.8 | 1,212 | 3.9 | 18 | 3.3 | 3,427 | 2.0 | 256 | 2.1 | 524 | 3.4 | 7,627 | 4.3 | |
| Information technology | 10,601 | 2.1 | 479 | 1.0 | 17 | 1.3 | 789 | 1.9 | 464 | 1.5 | 10 | 1.8 | 1,362 | 0.8 | 113 | 0.9 | 178 | 1.2 | 7,189 | 4.0 | |
| Computer and information sciences nec | 7,449 | 1.5 | 419 | 0.9 | 5 | 0.4 | 570 | 1.4 | 292 | 0.9 | 3 | 0.6 | 1,461 | 0.8 | 106 | 0.9 | 157 | 1.0 | 4,436 | 2.5 | |
| Geosciences, atmospheric sciences, and ocean sciences | 5,186 | 1.0 | 578 | 1.2 | 18 | 1.4 | 154 | 0.4 | 161 | 0.5 | 3 | 0.6 | 3,364 | 2.0 | 193 | 1.6 | 114 | 0.7 | 601 | 0.3 | |
| Atmospheric sciences and meteorology | 489 | 0.1 | 36 | 0.1 | 1 | 0.1 | 16 | * | 16 | 0.1 | 1 | 0.2 | 337 | 0.2 | 15 | 0.1 | 2 | * | 65 | * | |
| Geological and earth sciences | 3,183 | 0.6 | 352 | 0.7 | 15 | 1.1 | 84 | 0.2 | 93 | 0.3 | 1 | 0.2 | 2,024 | 1.2 | 114 | 0.9 | 67 | 0.4 | 433 | 0.2 | |
| Ocean and marine sciences | 1,514 | 0.3 | 190 | 0.4 | 2 | 0.2 | 54 | 0.1 | 52 | 0.2 | 1 | 0.2 | 1,003 | 0.6 | 64 | 0.5 | 45 | 0.3 | 103 | 0.1 | |
| Geosciences, atmospheric sciences, and ocean sciences nec | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne |
| Mathematics and statistics | 20,798 | 4.1 | 1,272 | 2.6 | 23 | 1.7 | 1,719 | 4.2 | 514 | 1.6 | 8 | 1.5 | 5,233 | 3.0 | 312 | 2.6 | 518 | 3.4 | 11,199 | 6.2 | |
| Applied mathematics | 9,097 | 1.8 | 391 | 0.8 | 7 | 0.5 | 584 | 1.4 | 154 | 0.5 | 3 | 0.6 | 1,495 | 0.9 | 107 | 0.9 | 196 | 1.3 | 6,160 | 3.4 | |
| Mathematics | 3,905 | 0.8 | 442 | 0.9 | 14 | 1.1 | 270 | 0.7 | 151 | 0.5 | 3 | 0.6 | 1,881 | 1.1 | 88 | 0.7 | 158 | 1.0 | 898 | 0.5 | |
| Statistics | 7,796 | 1.6 | 439 | 0.9 | 2 | 0.2 | 865 | 2.1 | 209 | 0.7 | 2 | 0.4 | 1,857 | 1.1 | 117 | 1.0 | 164 | 1.1 | 4,141 | 2.3 | |
| Multidisciplinary and interdisciplinary sciences | 16,931 | 3.4 | 1,398 | 2.9 | 25 | 1.9 | 1,642 | 4.0 | 1,009 | 3.2 | 14 | 2.6 | 5,431 | 3.2 | 384 | 3.2 | 611 | 4.0 | 6,417 | 3.6 | |
| Biological and physical sciences | 899 | 0.2 | 88 | 0.2 | 3 | 0.2 | 114 | 0.3 | 67 | 0.2 | 1 | 0.2 | 352 | 0.2 | 41 | 0.3 | 46 | 0.3 | 187 | 0.1 | |
| Computational science | 3,089 | 0.6 | 188 | 0.4 | 2 | 0.2 | 267 | 0.7 | 64 | 0.2 | 3 | 0.6 | 864 | 0.5 | 60 | 0.5 | 51 | 0.3 | 1,590 | 0.9 | |
| Data science and data analytics | 6,000 | 1.2 | 415 | 0.9 | 7 | 0.5 | 706 | 1.7 | 391 | 1.2 | 2 | 0.4 | 1,792 | 1.0 | 117 | 1.0 | 346 | 2.3 | 2,224 | 1.2 | |
| International and global studies | 1,083 | 0.2 | 218 | 0.5 | 5 | 0.4 | 77 | 0.2 | 85 | 0.3 | 2 | 0.4 | 415 | 0.2 | 42 | 0.3 | 24 | 0.2 | 215 | 0.1 | |
| Multidisciplinary and interdisciplinary sciences nec | 5,860 | 1.2 | 489 | 1.0 | 8 | 0.6 | 478 | 1.2 | 402 | 1.3 | 6 | 1.1 | 2,008 | 1.2 | 124 | 1.0 | 144 | 0.9 | 2,201 | 1.2 | |
| Natural resources and conservation | 9,807 | 2.0 | 1,008 | 2.1 | 74 | 5.6 | 338 | 0.8 | 306 | 1.0 | 27 | 5.0 | 6,435 | 3.7 | 349 | 2.9 | 242 | 1.6 | 1,028 | 0.6 | |
| Environmental science and studies | 4,422 | 0.9 | 545 | 1.1 | 35 | 2.6 | 203 | 0.5 | 141 | 0.4 | 21 | 3.9 | 2,681 | 1.6 | 142 | 1.2 | 111 | 0.7 | 543 | 0.3 | |
| Forestry, natural resources, and conservation | 5,385 | 1.1 | 463 | 1.0 | 39 | 2.9 | 135 | 0.3 | 165 | 0.5 | 6 | 1.1 | 3,754 | 2.2 | 207 | 1.7 | 131 | 0.9 | 485 | 0.3 | |
| Physical sciences | 6,256 | 1.2 | 737 | 1.5 | 29 | 2.2 | 446 | 1.1 | 314 | 1.0 | 5 | 0.9 | 2,719 | 1.6 | 194 | 1.6 | 189 | 1.2 | 1,623 | 0.9 | |
| Astronomy and astrophysics | 100 | * | 18 | * | 0 | 0.0 | 11 | * | 4 | * | 0 | 0.0 | 45 | * | 6 | * | 3 | * | 13 | * | |
| Chemistry | 3,015 | 0.6 | 392 | 0.8 | 13 | 1.0 | 240 | 0.6 | 200 | 0.6 | 3 | 0.6 | 1,276 | 0.7 | 90 | 0.7 | 66 | 0.4 | 735 | 0.4 | |
| Materials sciences | 402 | 0.1 | 27 | 0.1 | 3 | 0.2 | 33 | 0.1 | 13 | * | 0 | 0.0 | 94 | 0.1 | 5 | * | 10 | 0.1 | 217 | 0.1 | |
| Physics | 2,253 | 0.4 | 262 | 0.5 | 12 | 0.9 | 135 | 0.3 | 82 | 0.3 | 2 | 0.4 | 984 | 0.6 | 76 | 0.6 | 91 | 0.6 | 609 | 0.3 | |
| Physical sciences nec | 486 | 0.1 | 38 | 0.1 | 1 | 0.1 | 27 | 0.1 | 15 | * | 0 | 0.0 | 320 | 0.2 | 17 | 0.1 | 19 | 0.1 | 49 | * | |
| Psychology | 48,321 | 9.6 | 10,130 | 21.0 | 164 | 12.3 | 2,496 | 6.1 | 5,173 | 16.5 | 99 | 18.3 | 23,784 | 13.8 | 1,725 | 14.4 | 2,258 | 14.7 | 2,492 | 1.4 | |
| Applied psychology | 20,091 | 4.0 | 4,498 | 9.3 | 47 | 3.5 | 1,015 | 2.5 | 1,905 | 6.1 | 44 | 8.1 | 10,189 | 5.9 | 667 | 5.6 | 1,106 | 7.2 | 620 | 0.3 | |
| Clinical psychology | 4,519 | 0.9 | 999 | 2.1 | 15 | 1.1 | 288 | 0.7 | 352 | 1.1 | 19 | 3.5 | 2,216 | 1.3 | 214 | 1.8 | 271 | 1.8 | 145 | 0.1 | |
| Counseling psychology | 12,400 | 2.5 | 2,736 | 5.7 | 69 | 5.2 | 573 | 1.4 | 1,731 | 5.5 | 23 | 4.3 | 5,985 | 3.5 | 427 | 3.6 | 548 | 3.6 | 308 | 0.2 | |

TABLE 4-4b

Citizenship, ethnicity, and race of master's students, by detailed field: 2022

(Number and percent)

| Detailed field | Total | | U.S. citizens and permanent residents | | | | | | | | | | | | | | | | | Temporary visa holders | |
|--|---------|------|---------------------------------------|------|----------------------------------|---------|--------|---------|---------------------------|---------|---|---------|--------|---------|--------------------|---------|----------------------------|------|--------|------------------------|--|
| | | | Hispanic or Latino | | Not Hispanic or Latino | | | | | | | | | | | | Unknown ethnicity and race | | | | |
| | | | | | American Indian or Alaska Native | | Asian | | Black or African American | | Native Hawaiian or Other Pacific Islander | | White | | More than one race | | | | | | |
| | | | | | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | | | Number | | |
| Human development | 1,525 | 0.3 | 278 | 0.6 | 7 | 0.5 | 63 | 0.2 | 125 | 0.4 | 1 | 0.2 | 845 | 0.5 | 48 | 0.4 | 67 | 0.4 | 91 | 0.1 | |
| Psychology, general | 7,346 | 1.5 | 1,231 | 2.5 | 20 | 1.5 | 364 | 0.9 | 847 | 2.7 | 11 | 2.0 | 3,510 | 2.0 | 309 | 2.6 | 210 | 1.4 | 844 | 0.5 | |
| Research and experimental psychology | 2,440 | 0.5 | 388 | 0.8 | 6 | 0.5 | 193 | 0.5 | 213 | 0.7 | 1 | 0.2 | 1,039 | 0.6 | 60 | 0.5 | 56 | 0.4 | 484 | 0.3 | |
| Social sciences | 44,701 | 8.9 | 6,156 | 12.7 | 211 | 15.9 | 2,282 | 5.6 | 4,173 | 13.3 | 72 | 13.3 | 19,959 | 11.6 | 1,426 | 11.9 | 1,422 | 9.3 | 9,000 | 5.0 | |
| Agricultural and natural resource economics | 485 | 0.1 | 41 | 0.1 | 4 | 0.3 | 11 | * | 20 | 0.1 | 1 | 0.2 | 217 | 0.1 | 5 | * | 14 | 0.1 | 172 | 0.1 | |
| Anthropology | 2,173 | 0.4 | 324 | 0.7 | 25 | 1.9 | 58 | 0.1 | 79 | 0.3 | 2 | 0.4 | 1,402 | 0.8 | 119 | 1.0 | 48 | 0.3 | 116 | 0.1 | |
| Area, ethnic, cultural, gender, and group studies | 2,634 | 0.5 | 549 | 1.1 | 59 | 4.4 | 134 | 0.3 | 247 | 0.8 | 22 | 4.1 | 920 | 0.5 | 124 | 1.0 | 53 | 0.3 | 526 | 0.3 | |
| Criminal justice and safety studies | 5,223 | 1.0 | 960 | 2.0 | 26 | 2.0 | 121 | 0.3 | 1,106 | 3.5 | 4 | 0.7 | 2,415 | 1.4 | 190 | 1.6 | 267 | 1.7 | 134 | 0.1 | |
| Criminology | 1,180 | 0.2 | 264 | 0.5 | 3 | 0.2 | 17 | * | 173 | 0.6 | 3 | 0.6 | 561 | 0.3 | 50 | 0.4 | 22 | 0.1 | 87 | * | |
| Economics (except agricultural and natural resource) | 6,734 | 1.3 | 441 | 0.9 | 3 | 0.2 | 327 | 0.8 | 224 | 0.7 | 10 | 1.8 | 1,773 | 1.0 | 120 | 1.0 | 145 | 0.9 | 3,691 | 2.1 | |
| Geography and cartography | 2,807 | 0.6 | 292 | 0.6 | 12 | 0.9 | 99 | 0.2 | 96 | 0.3 | 4 | 0.7 | 1,719 | 1.0 | 66 | 0.5 | 103 | 0.7 | 416 | 0.2 | |
| International relations and national security studies | 7,833 | 1.6 | 1,027 | 2.1 | 16 | 1.2 | 496 | 1.2 | 571 | 1.8 | 13 | 2.4 | 3,846 | 2.2 | 253 | 2.1 | 319 | 2.1 | 1,292 | 0.7 | |
| Linguistics | 1,159 | 0.2 | 142 | 0.3 | 12 | 0.9 | 87 | 0.2 | 52 | 0.2 | 1 | 0.2 | 555 | 0.3 | 32 | 0.3 | 49 | 0.3 | 229 | 0.1 | |
| Political science and government | 2,925 | 0.6 | 481 | 1.0 | 11 | 0.8 | 115 | 0.3 | 278 | 0.9 | 5 | 0.9 | 1,478 | 0.9 | 117 | 1.0 | 91 | 0.6 | 349 | 0.2 | |
| Public policy analysis | 6,701 | 1.3 | 825 | 1.7 | 15 | 1.1 | 502 | 1.2 | 607 | 1.9 | 3 | 0.6 | 3,069 | 1.8 | 172 | 1.4 | 185 | 1.2 | 1,323 | 0.7 | |
| Sociology and population studies | 2,190 | 0.4 | 545 | 1.1 | 14 | 1.1 | 88 | 0.2 | 340 | 1.1 | 4 | 0.7 | 865 | 0.5 | 86 | 0.7 | 54 | 0.4 | 194 | 0.1 | |
| Urban studies and affairs | 671 | 0.1 | 72 | 0.1 | 3 | 0.2 | 41 | 0.1 | 130 | 0.4 | 0 | 0.0 | 334 | 0.2 | 29 | 0.2 | 11 | 0.1 | 51 | * | |
| Social sciences, other | 1,986 | 0.4 | 193 | 0.4 | 8 | 0.6 | 186 | 0.5 | 250 | 0.8 | 0 | 0.0 | 805 | 0.5 | 63 | 0.5 | 61 | 0.4 | 420 | 0.2 | |
| Engineering | 103,020 | 20.6 | 7,379 | 15.3 | 253 | 19.0 | 8,383 | 20.5 | 2,983 | 9.5 | 54 | 10.0 | 30,174 | 17.5 | 2,060 | 17.2 | 2,317 | 15.1 | 49,417 | 27.6 | |
| Aerospace, aeronautical, and astronautical engineering | 5,263 | 1.0 | 536 | 1.1 | 10 | 0.8 | 632 | 1.5 | 114 | 0.4 | 8 | 1.5 | 2,741 | 1.6 | 179 | 1.5 | 133 | 0.9 | 910 | 0.5 | |
| Biological, biomedical, and biosystems engineering | 5,177 | 1.0 | 439 | 0.9 | 7 | 0.5 | 751 | 1.8 | 217 | 0.7 | 5 | 0.9 | 1,766 | 1.0 | 153 | 1.3 | 124 | 0.8 | 1,715 | 1.0 | |
| Chemical, petroleum, and chemical-related engineering | 3,011 | 0.6 | 225 | 0.5 | 7 | 0.5 | 277 | 0.7 | 94 | 0.3 | 3 | 0.6 | 855 | 0.5 | 47 | 0.4 | 71 | 0.5 | 1,432 | 0.8 | |
| Chemical engineering | 2,599 | 0.5 | 205 | 0.4 | 5 | 0.4 | 266 | 0.7 | 71 | 0.2 | 3 | 0.6 | 785 | 0.5 | 43 | 0.4 | 66 | 0.4 | 1,155 | 0.6 | |
| Petroleum engineering | 412 | 0.1 | 20 | * | 2 | 0.2 | 11 | * | 23 | 0.1 | 0 | 0.0 | 70 | * | 4 | * | 5 | * | 277 | 0.2 | |
| Civil, environmental, transportation and related engineering fields | 12,621 | 2.5 | 1,169 | 2.4 | 38 | 2.9 | 825 | 2.0 | 398 | 1.3 | 4 | 0.7 | 4,302 | 2.5 | 244 | 2.0 | 229 | 1.5 | 5,412 | 3.0 | |
| Civil engineering | 9,692 | 1.9 | 896 | 1.9 | 31 | 2.3 | 693 | 1.7 | 280 | 0.9 | 4 | 0.7 | 3,311 | 1.9 | 178 | 1.5 | 172 | 1.1 | 4,127 | 2.3 | |
| Architectural, environmental, construction and surveying engineering | 2,929 | 0.6 | 273 | 0.6 | 7 | 0.5 | 132 | 0.3 | 118 | 0.4 | 0 | 0.0 | 991 | 0.6 | 66 | 0.5 | 57 | 0.4 | 1,285 | 0.7 | |
| Electrical, electronics, communications and computer engineering | 32,316 | 6.4 | 1,647 | 3.4 | 122 | 9.2 | 2,564 | 6.3 | 703 | 2.2 | 10 | 1.8 | 5,765 | 3.3 | 476 | 4.0 | 567 | 3.7 | 20,462 | 11.4 | |
| Electrical, electronics, and communications engineering | 19,757 | 3.9 | 1,233 | 2.6 | 114 | 8.6 | 1,767 | 4.3 | 478 | 1.5 | 8 | 1.5 | 4,409 | 2.6 | 360 | 3.0 | 365 | 2.4 | 11,023 | 6.1 | |
| Computer engineering | 12,559 | 2.5 | 414 | 0.9 | 8 | 0.6 | 797 | 1.9 | 225 | 0.7 | 2 | 0.4 | 1,356 | 0.8 | 116 | 1.0 | 202 | 1.3 | 9,439 | 5.3 | |
| Industrial, manufacturing, systems engineering and operations research | 12,579 | 2.5 | 1,046 | 2.2 | 15 | 1.1 | 804 | 2.0 | 415 | 1.3 | 9 | 1.7 | 3,560 | 2.1 | 220 | 1.8 | 392 | 2.6 | 6,118 | 3.4 | |

TABLE 4-4b

Citizenship, ethnicity, and race of master's students, by detailed field: 2022

(Number and percent)

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| | | | Hispanic or Latino | | Not Hispanic or Latino | | | | | | | | Unknown ethnicity and race | | | | | | | |
| | | | | | American Indian or Alaska Native | | Asian | | Black or African American | | Native Hawaiian or Other Pacific Islander | | | | White | | More than one race | | | |
| Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | |
| Industrial and manufacturing engineering | 6,349 | 1.3 | 456 | 0.9 | 5 | 0.4 | 269 | 0.7 | 141 | 0.4 | 5 | 0.9 | 1,112 | 0.6 | 71 | 0.6 | 62 | 0.4 | 4,228 | 2.4 |
| Systems engineering and operations research | 6,230 | 1.2 | 590 | 1.2 | 10 | 0.8 | 535 | 1.3 | 274 | 0.9 | 4 | 0.7 | 2,448 | 1.4 | 149 | 1.2 | 330 | 2.2 | 1,890 | 1.1 |
| Mechanical engineering | 16,029 | 3.2 | 1,332 | 2.8 | 21 | 1.6 | 1,399 | 3.4 | 362 | 1.2 | 2 | 0.4 | 5,553 | 3.2 | 399 | 3.3 | 367 | 2.4 | 6,594 | 3.7 |
| Metallurgical, mining, materials and related engineering fields | 2,545 | 0.5 | 193 | 0.4 | 9 | 0.7 | 196 | 0.5 | 65 | 0.2 | 0 | 0.0 | 982 | 0.6 | 85 | 0.7 | 50 | 0.3 | 965 | 0.5 |
| Other engineering | 13,479 | 2.7 | 792 | 1.6 | 24 | 1.8 | 935 | 2.3 | 615 | 2.0 | 13 | 2.4 | 4,650 | 2.7 | 257 | 2.1 | 384 | 2.5 | 5,809 | 3.2 |
| Agricultural engineering | 389 | 0.1 | 28 | 0.1 | 1 | 0.1 | 17 | * | 10 | * | 0 | 0.0 | 178 | 0.1 | 11 | 0.1 | 4 | * | 140 | 0.1 |
| Engineering mechanics, physics, and science | 762 | 0.2 | 49 | 0.1 | 0 | 0.0 | 68 | 0.2 | 29 | 0.1 | 0 | 0.0 | 261 | 0.2 | 23 | 0.2 | 16 | 0.1 | 316 | 0.2 |
| Nuclear engineering | 493 | 0.1 | 60 | 0.1 | 1 | 0.1 | 22 | 0.1 | 7 | * | 1 | 0.2 | 294 | 0.2 | 23 | 0.2 | 14 | 0.1 | 71 | * |
| Engineering, other | 11,835 | 2.4 | 655 | 1.4 | 22 | 1.7 | 828 | 2.0 | 569 | 1.8 | 12 | 2.2 | 3,917 | 2.3 | 200 | 1.7 | 350 | 2.3 | 5,282 | 2.9 |
| Health | 66,308 | 13.2 | 8,965 | 18.6 | 326 | 24.5 | 6,223 | 15.2 | 7,605 | 24.2 | 105 | 19.4 | 31,780 | 18.5 | 2,066 | 17.2 | 3,100 | 20.2 | 6,138 | 3.4 |
| Clinical medicine | 33,251 | 6.6 | 4,339 | 9.0 | 209 | 15.7 | 3,923 | 9.6 | 5,050 | 16.1 | 66 | 12.2 | 13,323 | 7.7 | 1,185 | 9.9 | 1,845 | 12.0 | 3,311 | 1.8 |
| Medical clinical sciences and clinical and medical laboratory sciences | 1,168 | 0.2 | 84 | 0.2 | 4 | 0.3 | 185 | 0.5 | 167 | 0.5 | 1 | 0.2 | 520 | 0.3 | 31 | 0.3 | 65 | 0.4 | 111 | 0.1 |
| Public health | 32,083 | 6.4 | 4,255 | 8.8 | 205 | 15.4 | 3,738 | 9.1 | 4,883 | 15.6 | 65 | 12.0 | 12,803 | 7.4 | 1,154 | 9.6 | 1,780 | 11.6 | 3,200 | 1.8 |
| Other health | 33,057 | 6.6 | 4,626 | 9.6 | 117 | 8.8 | 2,300 | 5.6 | 2,555 | 8.1 | 39 | 7.2 | 18,457 | 10.7 | 881 | 7.3 | 1,255 | 8.2 | 2,827 | 1.6 |
| Communication disorders sciences | 17,768 | 3.5 | 2,752 | 5.7 | 77 | 5.8 | 872 | 2.1 | 817 | 2.6 | 15 | 2.8 | 11,823 | 6.9 | 437 | 3.6 | 759 | 4.9 | 216 | 0.1 |
| Dental sciences | 1,545 | 0.3 | 87 | 0.2 | 3 | 0.2 | 255 | 0.6 | 60 | 0.2 | 2 | 0.4 | 713 | 0.4 | 46 | 0.4 | 83 | 0.5 | 296 | 0.2 |
| Kinesiology and exercise science | 4,743 | 0.9 | 778 | 1.6 | 20 | 1.5 | 131 | 0.3 | 641 | 2.0 | 13 | 2.4 | 2,439 | 1.4 | 189 | 1.6 | 114 | 0.7 | 418 | 0.2 |
| Nursing science | 1,535 | 0.3 | 243 | 0.5 | 1 | 0.1 | 138 | 0.3 | 189 | 0.6 | 1 | 0.2 | 847 | 0.5 | 32 | 0.3 | 46 | 0.3 | 38 | * |
| Pharmaceutical sciences | 2,142 | 0.4 | 135 | 0.3 | 4 | 0.3 | 195 | 0.5 | 252 | 0.8 | 2 | 0.4 | 677 | 0.4 | 63 | 0.5 | 47 | 0.3 | 767 | 0.4 |
| Other health nec | 5,324 | 1.1 | 631 | 1.3 | 12 | 0.9 | 709 | 1.7 | 596 | 1.9 | 6 | 1.1 | 1,958 | 1.1 | 114 | 0.9 | 206 | 1.3 | 1,092 | 0.6 |

* = value < 0.05%.

nec = not elsewhere classified.

Note(s):

Percentages may not add to total because of rounding. Ethnicity and race data are available only for U.S. citizens and permanent residents. 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. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

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