



APPENDIX TABLE 5-16

S&E doctorate holders employed in academia, by type of position, race, ethnicity, and degree field: 1973–2015

(Thousands)

| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| All positions | | | | | | | | | | | | | | | | | | | |
| All races and ethnicities, all fields | 118.0 | 145.4 | 167.1 | 176.1 | 190.2 | 195.9 | 206.6 | 210.6 | 213.8 | 217.5 | 232.5 | 240.2 | 245.5 | 259.5 | 272.8 | 276.5 | 294.8 | 309.0 | 329.3 |
| Physical sciences | 25.5 | 29.2 | 29.9 | 29.9 | 32.2 | 32.8 | 33.6 | 33.8 | 35.0 | 35.8 | 37.5 | 38.7 | 38.6 | 39.9 | 39.6 | 39.9 | 43.7 | 44.9 | 48.4 |
| Mathematics and statistics | 9.7 | 11.7 | 12.4 | 12.9 | 13.6 | 13.8 | 14.5 | 15.2 | 15.5 | 14.6 | 15.6 | 15.2 | 14.9 | 16.7 | 17.3 | 18.0 | 18.7 | 19.0 | 20.9 |
| Computer and information sciences | NA | NA | 0.3 | 0.5 | 0.8 | 1.1 | 1.5 | 2.0 | 2.5 | 3.1 | 3.3 | 3.7 | 3.8 | 5.2 | 5.8 | 6.9 | 7.3 | 8.4 | 9.1 |
| Life sciences | 34.9 | 42.6 | 51.3 | 54.8 | 58.7 | 61.2 | 64.8 | 66.9 | 68.2 | 71.6 | 77.3 | 81.9 | 84.3 | 90.0 | 95.5 | 94.2 | 102.0 | 109.8 | 112.7 |
| Psychology | 12.2 | 16.2 | 20.1 | 21.0 | 23.1 | 23.7 | 25.0 | 25.2 | 25.0 | 26.1 | 27.3 | 29.0 | 30.4 | 31.8 | 35.0 | 34.5 | 35.4 | 36.3 | 38.7 |
| Social sciences | 23.4 | 31.1 | 36.9 | 38.8 | 41.9 | 42.1 | 44.5 | 44.8 | 44.4 | 42.5 | 44.9 | 46.2 | 46.9 | 48.1 | 50.1 | 52.5 | 54.9 | 55.9 | 59.7 |
| Engineering | 12.4 | 14.8 | 16.1 | 18.1 | 19.9 | 21.2 | 22.8 | 22.8 | 23.1 | 23.8 | 26.6 | 25.5 | 26.6 | 27.8 | 29.6 | 30.4 | 32.8 | 34.7 | 39.7 |
| White, all fields | 107.7 | 131.4 | 149.9 | 157.2 | 168.4 | 172.8 | 181.0 | 183.5 | 181.8 | 182.6 | 193.2 | 198.2 | 201.0 | 204.3 | 212.2 | 211.8 | 219.7 | 225.8 | 237.0 |
| Physical sciences | 23.0 | 26.1 | 26.6 | 26.4 | 28.3 | 28.5 | 29.2 | 29.5 | 29.3 | 29.5 | 31.0 | 32.3 | 32.0 | 32.1 | 31.4 | 31.5 | 33.5 | 33.8 | 35.6 |
| Mathematics and statistics | 8.8 | 10.6 | 11.0 | 11.5 | 11.9 | 12.2 | 12.6 | 13.0 | 12.9 | 12.0 | 12.6 | 12.3 | 12.1 | 13.0 | 13.1 | 13.6 | 13.7 | 13.6 | 15.1 |
| Computer and information sciences | NA | NA | 0.2 | 0.4 | 0.6 | 0.9 | 1.1 | 1.4 | 1.6 | 2.1 | 2.2 | 2.7 | 2.7 | 3.4 | 3.7 | 4.0 | 4.1 | 4.8 | 5.4 |
| Life sciences | 32.1 | 38.8 | 46.1 | 49.3 | 52.7 | 54.6 | 57.6 | 59.2 | 59.1 | 61.3 | 64.9 | 67.2 | 68.4 | 70.4 | 74.2 | 72.5 | 76.9 | 81.1 | 81.6 |
| Psychology | 11.6 | 15.2 | 18.8 | 19.6 | 21.3 | 22.0 | 23.2 | 23.2 | 22.9 | 23.6 | 24.4 | 25.5 | 26.6 | 27.1 | 29.5 | 28.7 | 28.6 | 28.9 | 30.6 |
| Social sciences | 21.4 | 28.2 | 33.1 | 34.7 | 37.2 | 37.5 | 39.4 | 39.1 | 38.6 | 36.5 | 38.0 | 38.9 | 39.0 | 39.1 | 40.7 | 41.7 | 43.0 | 42.6 | 45.8 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering | 10.8 | 12.6 | 14.0 | 15.2 | 16.4 | 17.2 | 18.1 | 18.2 | 17.5 | 17.6 | 20.2 | 19.4 | 20.2 | 19.2 | 19.5 | 19.7 | 20.0 | 21.1 | 22.9 |
| Asian or Pacific Islander, all fields | 5.0 | 6.7 | 10.8 | 11.8 | 14.0 | 15.0 | 16.3 | 16.8 | 20.9 | 22.4 | 25.4 | 26.3 | 27.6 | 34.7 | 37.4 | 39.7 | 46.9 | 52.1 | 59.0 |
| Physical sciences | 1.2 | 1.5 | 2.1 | 2.4 | 2.9 | 3.1 | 3.1 | 2.8 | 4.2 | 4.6 | 4.6 | 4.6 | 4.5 | 5.5 | 5.6 | 5.7 | 7.0 | 7.6 | 9.3 |
| Mathematics and statistics | 0.4 | 0.5 | 0.9 | 1.0 | 1.1 | 1.1 | 1.3 | 1.6 | 1.9 | 1.8 | 2.2 | 2.1 | 2.0 | 2.8 | 3.0 | 3.2 | 3.7 | 4.0 | 4.4 |
| Computer and information sciences | NA | NA | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.5 | 0.7 | 0.9 | 0.9 | 0.9 | 0.9 | 1.5 | 1.7 | 2.5 | 2.7 | 3.0 | 3.0 |
| Life sciences | 1.3 | 2.0 | 3.6 | 3.6 | 4.0 | 4.4 | 4.7 | 5.1 | 6.3 | 6.8 | 8.5 | 9.9 | 11.0 | 13.3 | 14.0 | 13.9 | 16.2 | 18.4 | 20.6 |
| Psychology | 0.1 | 0.2 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.1 | 1.4 | 1.6 | 2.0 | 2.2 | 2.8 |
| Social sciences | 1.0 | 1.2 | 2.0 | 2.0 | 2.5 | 2.2 | 2.4 | 2.6 | 2.7 | 2.8 | 3.2 | 3.5 | 3.6 | 4.1 | 3.9 | 4.5 | 5.2 | 6.1 | 6.1 |
| Engineering | 1.1 | 1.3 | 1.8 | 2.4 | 3.0 | 3.5 | 4.1 | 3.7 | 4.7 | 4.9 | 5.2 | 4.6 | 4.8 | 6.4 | 7.8 | 8.2 | 10.1 | 10.7 | 12.9 |
| Underrepresented minority, all fields ^a | 2.4 | 3.7 | 5.8 | 6.5 | 7.2 | 7.8 | 9.0 | 9.9 | 10.7 | 12.4 | 13.7 | 15.6 | 16.8 | 20.4 | 20.4 | 21.8 | 24.4 | 27.2 | 29.4 |
| Physical sciences | 0.5 | 0.6 | 1.0 | 1.0 | 1.0 | 1.1 | 1.2 | 1.3 | 1.5 | 1.6 | 1.9 | 1.8 | 2.0 | 2.3 | 2.2 | 2.3 | 2.7 | 3.0 | 2.9 |
| Mathematics and statistics | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.5 | 0.6 | 0.5 | 0.7 | 0.8 | 0.7 | 0.8 | 0.8 | 1.0 | 1.0 | 1.1 | 1.2 | 1.4 | 1.4 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 |
| Life sciences | 0.8 | 1.2 | 1.5 | 1.7 | 1.8 | 2.1 | 2.4 | 2.6 | 2.7 | 3.5 | 3.9 | 4.7 | 4.9 | 6.2 | 6.4 | 6.6 | 7.6 | 8.7 | 9.4 |
| Psychology | 0.3 | 0.6 | 0.8 | 1.0 | 1.2 | 1.2 | 1.3 | 1.5 | 1.6 | 2.0 | 2.3 | 2.7 | 2.9 | 3.6 | 3.6 | 3.7 | 4.3 | 4.5 | 4.6 |
| Social sciences | 0.5 | 0.8 | 1.8 | 2.0 | 2.1 | 2.3 | 2.8 | 3.0 | 3.1 | 3.2 | 3.6 | 3.9 | 4.3 | 4.9 | 4.9 | 5.6 | 5.8 | 6.5 | 7.0 |
| Engineering | 0.2 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.7 | 0.9 | 0.9 | 1.2 | 1.2 | 1.5 | 1.6 | 2.1 | 2.0 | 2.1 | 2.4 | 2.6 | 3.6 |
| Full-time faculty ^b | | | | | | | | | | | | | | | | | | | |
| All races and ethnicities, all fields | 103.3 | 125.6 | 141.9 | 148.4 | 156.9 | 164.4 | 169.8 | 173.1 | 172.4 | 171.4 | 172.9 | 178.2 | 180.9 | 190.6 | 193.1 | 199.1 | 206.9 | 214.4 | 227.7 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|---------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Physical sciences | 20.8 | 23.6 | 24.3 | 24.2 | 25.4 | 26.4 | 26.2 | 26.2 | 25.8 | 25.6 | 25.5 | 26.3 | 26.1 | 27.7 | 26.9 | 27.5 | 29.3 | 29.5 | 31.1 |
| Mathematics and statistics | 9.3 | 10.9 | 11.7 | 12.3 | 12.7 | 12.9 | 13.5 | 14.2 | 14.7 | 13.0 | 13.6 | 12.9 | 12.4 | 14.0 | 14.0 | 14.8 | 15.1 | 15.5 | 16.8 |
| Computer and information sciences | NA | NA | 0.3 | 0.4 | 0.7 | 0.9 | 1.3 | 1.8 | 2.3 | 2.8 | 2.9 | 3.2 | 3.3 | 4.2 | 4.9 | 5.6 | 5.7 | 6.4 | 7.1 |
| Life sciences | 29.5 | 34.9 | 40.9 | 43.5 | 45.6 | 48.1 | 49.3 | 51.1 | 50.8 | 52.8 | 53.6 | 56.1 | 58.3 | 61.7 | 62.8 | 63.5 | 66.7 | 70.6 | 70.8 |
| Psychology | 10.8 | 13.9 | 16.4 | 17.3 | 18.5 | 19.2 | 20.2 | 20.7 | 19.5 | 20.1 | 19.4 | 20.6 | 21.2 | 21.5 | 23.2 | 23.0 | 23.4 | 24.1 | 26.0 |
| Social sciences | 21.6 | 28.8 | 33.7 | 34.4 | 36.1 | 37.6 | 39.0 | 39.0 | 39.2 | 37.1 | 36.9 | 38.2 | 38.3 | 39.6 | 39.2 | 42.0 | 43.2 | 43.5 | 46.7 |
| Engineering | 11.3 | 13.5 | 14.7 | 16.4 | 17.9 | 19.3 | 20.2 | 20.1 | 20.1 | 20.0 | 21.2 | 20.7 | 21.5 | 21.9 | 22.1 | 22.7 | 23.4 | 25.0 | 29.2 |
| White, all fields | 94.9 | 114.3 | 128.1 | 133.4 | 139.7 | 146.2 | 149.8 | 151.8 | 148.7 | 147.1 | 146.8 | 150.8 | 151.1 | 153.5 | 155.3 | 156.5 | 158.7 | 161.5 | 168.9 |
| Physical sciences | 19.0 | 21.5 | 22.1 | 21.6 | 22.8 | 23.4 | 23.3 | 23.2 | 22.2 | 22.1 | 21.8 | 22.5 | 22.0 | 23.2 | 22.6 | 22.4 | 23.4 | 23.1 | 24.2 |
| Mathematics and statistics | 8.5 | 9.9 | 10.3 | 10.9 | 11.1 | 11.4 | 11.7 | 12.2 | 12.3 | 10.7 | 11.0 | 10.6 | 10.0 | 10.9 | 10.8 | 11.3 | 11.4 | 11.3 | 12.2 |
| Computer and information sciences | NA | NA | 0.2 | 0.3 | 0.5 | 0.7 | 1.0 | 1.3 | 1.5 | 1.9 | 2.0 | 2.3 | 2.2 | 2.6 | 2.9 | 3.2 | 3.2 | 3.5 | 4.3 |
| Life sciences | 27.5 | 32.1 | 37.2 | 39.7 | 41.3 | 43.3 | 44.4 | 46.0 | 45.1 | 46.7 | 47.1 | 48.8 | 49.9 | 50.5 | 51.5 | 51.0 | 52.6 | 54.7 | 54.5 |
| Psychology | 10.3 | 13.0 | 15.4 | 16.2 | 17.1 | 17.9 | 18.8 | 19.2 | 18.0 | 18.4 | 17.6 | 18.4 | 18.8 | 18.6 | 19.9 | 19.5 | 19.2 | 19.7 | 20.8 |
| Social sciences | 19.7 | 26.1 | 30.1 | 30.7 | 32.2 | 33.5 | 34.4 | 33.8 | 34.1 | 31.9 | 31.1 | 32.2 | 32.0 | 32.3 | 32.3 | 33.5 | 33.8 | 33.4 | 36.2 |
| Engineering | 10.0 | 11.6 | 12.7 | 14.0 | 14.8 | 15.9 | 16.2 | 16.2 | 15.6 | 15.3 | 16.4 | 15.8 | 16.2 | 15.2 | 15.3 | 15.4 | 15.0 | 15.8 | 16.7 |
| Asian or Pacific Islander, all fields | 4.0 | 5.0 | 8.4 | 9.1 | 10.9 | 11.7 | 12.3 | 12.6 | 14.8 | 14.5 | 15.8 | 16.3 | 17.7 | 21.4 | 21.8 | 25.0 | 28.5 | 32.4 | 36.8 |
| Physical sciences | 0.7 | 1.0 | 1.3 | 1.6 | 1.7 | 2.0 | 1.9 | 1.8 | 2.4 | 2.3 | 2.2 | 2.4 | 2.5 | 2.7 | 2.7 | 3.1 | 3.8 | 4.1 | 4.6 |
| Mathematics and statistics | 0.4 | 0.5 | 0.9 | 1.0 | 1.1 | 1.1 | 1.3 | 1.5 | 1.7 | 1.6 | 1.9 | 1.7 | 1.7 | 2.2 | 2.3 | 2.5 | 2.6 | 2.9 | 3.5 |
| Computer and information sciences | NA | NA | 0.0 | 0.1 | 0.1 | 0.1 | 0.3 | 0.5 | 0.7 | 0.8 | 0.8 | 0.7 | 0.8 | 1.3 | 1.5 | 2.0 | 2.2 | 2.3 | 2.4 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Life sciences | 0.9 | 1.2 | 2.3 | 2.4 | 2.8 | 3.1 | 3.0 | 3.0 | 3.7 | 3.5 | 3.7 | 4.4 | 5.3 | 6.5 | 6.5 | 7.3 | 8.4 | 9.6 | 10.0 |
| Psychology | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 | 0.7 | 0.8 | 1.0 | 1.2 | 1.4 | 1.9 |
| Social sciences | 0.9 | 1.1 | 1.9 | 1.9 | 2.1 | 2.1 | 2.1 | 2.4 | 2.3 | 2.4 | 2.8 | 2.8 | 3.0 | 3.1 | 2.9 | 3.6 | 4.0 | 4.8 | 4.8 |
| Engineering | 0.9 | 1.1 | 1.7 | 1.9 | 2.7 | 3.0 | 3.4 | 3.1 | 3.7 | 3.6 | 3.8 | 3.7 | 3.9 | 4.9 | 5.0 | 5.5 | 6.4 | 7.2 | 9.5 |
| Underrepresented minority, all fields ^a | 2.0 | 3.2 | 5.0 | 5.4 | 5.8 | 6.3 | 7.4 | 8.4 | 8.6 | 9.8 | 10.3 | 11.1 | 12.0 | 13.4 | 13.9 | 15.3 | 17.2 | 17.9 | 19.6 |
| Physical sciences | 0.4 | 0.4 | 0.9 | 0.9 | 0.8 | 0.9 | 0.9 | 1.1 | 1.2 | 1.1 | 1.4 | 1.4 | 1.6 | 1.5 | 1.5 | 1.7 | 2.0 | 2.0 | 1.9 |
| Mathematics and statistics | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | 0.7 | 0.6 | 0.7 | 0.7 | 0.7 | 0.8 | 0.9 | 1.0 | 1.0 | 1.0 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| Life sciences | 0.7 | 1.0 | 1.3 | 1.3 | 1.4 | 1.6 | 1.8 | 2.0 | 2.0 | 2.6 | 2.8 | 2.9 | 3.2 | 3.9 | 4.0 | 4.3 | 5.0 | 5.2 | 5.6 |
| Psychology | 0.2 | 0.5 | 0.6 | 0.7 | 0.9 | 0.9 | 1.0 | 1.1 | 1.1 | 1.3 | 1.3 | 1.7 | 1.8 | 1.8 | 2.1 | 2.2 | 2.5 | 2.6 | 2.8 |
| Social sciences | 0.4 | 0.8 | 1.6 | 1.7 | 1.8 | 2.0 | 2.5 | 2.8 | 2.8 | 2.8 | 3.0 | 3.1 | 3.2 | 3.6 | 3.6 | 4.3 | 4.7 | 4.9 | 5.1 |
| Engineering | 0.1 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.8 | 0.8 | 1.1 | 1.1 | 1.2 | 1.4 | 1.6 | 1.6 | 1.5 | 1.7 | 1.7 | 2.8 |
| Postdocs | | | | | | | | | | | | | | | | | | | |
| All races and ethnicities, all fields | 4.2 | 7.6 | 8.5 | 8.3 | 8.7 | 9.3 | 11.5 | 9.9 | 13.3 | 16.8 | 18.9 | 18.5 | 17.5 | 15.7 | 23.3 | 17.8 | 22.8 | 20.2 | 19.2 |
| Physical sciences | 1.8 | 2.4 | 2.1 | 1.6 | 2.1 | 2.3 | 2.7 | 2.2 | 3.5 | 4.4 | 3.8 | 3.4 | 3.0 | 2.6 | 3.9 | 3.3 | 4.6 | 4.0 | 3.3 |
| Mathematics and statistics | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0.1 | 0.0 | 0.5 | 0.5 | 0.6 | 0.8 | 0.5 | 1.0 | 0.5 | 0.7 | 0.4 | 0.5 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.3 |
| Life sciences | 1.9 | 4.0 | 5.2 | 5.1 | 5.2 | 5.6 | 6.8 | 6.4 | 8.2 | 9.2 | 10.8 | 11.7 | 11.0 | 10.0 | 12.8 | 10.3 | 12.2 | 11.9 | 11.7 |
| Psychology | 0.2 | 0.5 | 0.6 | 0.6 | 0.7 | 0.7 | 0.8 | 0.5 | 0.4 | 1.1 | 1.3 | 1.2 | 1.2 | 0.9 | 1.7 | 1.0 | 1.1 | 1.0 | 0.8 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Social sciences | 0.1 | 0.3 | 0.3 | 0.6 | 0.3 | 0.1 | 0.4 | 0.3 | 0.2 | 0.4 | 0.7 | 0.5 | 0.6 | 0.5 | 0.9 | 0.3 | 0.8 | 0.4 | 0.4 |
| Engineering | 0.2 | 0.4 | 0.2 | 0.3 | 0.2 | 0.5 | 0.6 | 0.5 | 1.0 | 1.2 | 1.7 | 1.1 | 0.9 | 1.1 | 3.0 | 2.1 | 3.1 | 2.4 | 2.2 |
| White, all fields | 3.6 | 6.2 | 6.9 | 6.8 | 7.1 | 7.4 | 9.0 | 7.1 | 9.1 | 11.2 | 12.5 | 11.9 | 11.4 | 9.9 | 13.4 | 10.3 | 12.5 | 10.6 | 10.1 |
| Physical sciences | 1.5 | 1.8 | 1.5 | 1.4 | 1.4 | 1.5 | 1.8 | 1.4 | 2.4 | 2.6 | 2.5 | 2.3 | 2.2 | 1.5 | 2.4 | 1.9 | 2.7 | 2.2 | 1.7 |
| Mathematics and statistics | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.3 | 0.3 | 0.5 | 0.7 | 0.4 | 0.6 | 0.4 | 0.3 | 0.2 | 0.3 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.1 | s | s | 0.1 | s | 0.1 |
| Life sciences | 1.7 | 3.3 | 4.4 | 4.3 | 4.5 | 4.7 | 5.6 | 4.8 | 5.9 | 6.5 | 7.0 | 7.2 | 6.7 | 6.4 | 7.3 | 6.3 | 7.0 | 6.4 | 6.2 |
| Psychology | 0.1 | 0.4 | 0.6 | 0.5 | 0.7 | 0.6 | 0.8 | 0.4 | 0.3 | 0.9 | 1.1 | 0.9 | 1.0 | 0.7 | 1.3 | 0.8 | 0.7 | 0.7 | 0.5 |
| Social sciences | 0.1 | 0.3 | 0.3 | 0.5 | 0.3 | 0.1 | 0.3 | 0.2 | 0.1 | 0.3 | 0.6 | 0.3 | 0.4 | 0.3 | 0.6 | 0.2 | 0.6 | 0.2 | 0.2 |
| Engineering | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.3 | 0.5 | 0.9 | 0.7 | 0.6 | 0.5 | 1.1 | 0.7 | 1.0 | 0.6 | 1.1 |
| Asian or Pacific Islander, all fields | 0.5 | 1.1 | 1.4 | 1.1 | 1.1 | 1.6 | 1.9 | 2.3 | 3.6 | 4.7 | 5.3 | 5.2 | 4.9 | 4.8 | 8.1 | 6.1 | 8.3 | 7.4 | 7.0 |
| Physical sciences | 0.2 | 0.4 | 0.6 | 0.2 | 0.5 | 0.6 | 0.7 | 0.7 | 1.0 | 1.5 | 1.2 | 1.1 | 0.8 | 0.9 | 1.3 | 1.2 | 1.7 | 1.4 | 1.3 |
| Mathematics and statistics | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.1 | 0.3 | 0.1 | 0.2 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | s | 0.2 | 0.2 | s | 0.2 |
| Life sciences | 0.2 | 0.5 | 0.8 | 0.6 | 0.6 | 0.6 | 0.9 | 1.3 | 1.9 | 2.2 | 3.2 | 3.6 | 3.6 | 3.0 | 4.4 | 3.0 | 4.0 | 4.0 | 4.1 |
| Psychology | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.1 |
| Social sciences | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| Engineering | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.2 | 0.3 | 0.5 | 1.7 | 1.3 | 1.8 | 1.5 | 1.0 |
| Underrepresented minority, all fields ^a | 0.1 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.6 | 0.4 | 0.6 | 0.9 | 1.1 | 1.5 | 1.1 | 1.1 | 1.7 | 1.3 | 1.6 | 2.1 | 1.7 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Physical sciences | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |
| Mathematics and statistics | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | s | s | 0.1 | s |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | s | s | s | s | S |
| Life sciences | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 | 0.4 | 0.5 | 0.6 | 0.8 | 0.6 | 0.6 | 1.0 | 0.8 | 0.9 | 1.3 | 1.2 |
| Psychology | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 |
| Social sciences | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.0 | 0.1 | s | * |
| Engineering | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 |
| Other positions ^c | | | | | | | | | | | | | | | | | | | |
| All races and ethnicities, all fields | 10.5 | 12.2 | 16.6 | 19.4 | 24.6 | 22.1 | 25.4 | 27.6 | 28.1 | 29.4 | 41.1 | 43.5 | 47.3 | 53.2 | 56.4 | 59.5 | 65.1 | 74.4 | 82.4 |
| Physical sciences | 2.9 | 3.1 | 3.6 | 4.2 | 4.8 | 4.2 | 4.7 | 5.4 | 5.8 | 5.8 | 8.0 | 8.6 | 9.0 | 9.5 | 8.8 | 9.1 | 9.8 | 11.4 | 14.0 |
| Mathematics and statistics | 0.4 | 0.7 | 0.6 | 0.5 | 0.7 | 0.6 | 0.8 | 0.9 | 0.8 | 1.1 | 1.7 | 1.8 | 1.8 | 2.2 | 2.4 | 2.7 | 2.9 | 3.1 | 3.6 |
| Computer and information sciences | NA | NA | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 | 1.0 | 0.8 | 1.0 | 1.3 | 1.8 | 1.7 |
| Life sciences | 3.4 | 3.7 | 5.2 | 6.3 | 7.8 | 7.6 | 8.7 | 9.5 | 9.2 | 9.6 | 13.2 | 14.5 | 15.5 | 18.3 | 19.9 | 20.5 | 23.1 | 27.3 | 30.2 |
| Psychology | 1.2 | 1.8 | 3.0 | 3.1 | 3.9 | 3.8 | 4.0 | 4.0 | 5.1 | 5.0 | 6.7 | 7.2 | 8.0 | 9.4 | 10.1 | 10.5 | 10.9 | 11.2 | 11.9 |
| Social sciences | 1.6 | 1.9 | 2.9 | 3.8 | 5.5 | 4.3 | 5.1 | 5.5 | 5.0 | 5.0 | 7.3 | 7.4 | 8.0 | 8.0 | 9.9 | 10.2 | 10.9 | 12 | 12.6 |
| Engineering | 0.9 | 0.9 | 1.3 | 1.4 | 1.8 | 1.4 | 2.0 | 2.2 | 2.0 | 2.5 | 3.7 | 3.7 | 4.3 | 4.8 | 4.5 | 5.6 | 6.3 | 7.3 | 8.3 |
| White, all fields | 9.3 | 10.9 | 15.0 | 17.0 | 21.6 | 19.3 | 22.2 | 24.6 | 24.0 | 24.3 | 34.2 | 35.6 | 38.5 | 41.3 | 43.5 | 45.0 | 48.5 | 53.7 | 58.0 |
| Physical sciences | 2.5 | 2.8 | 3.2 | 3.6 | 4.1 | 3.6 | 4.0 | 4.8 | 4.8 | 4.8 | 6.4 | 7.1 | 7.5 | 7.5 | 6.4 | 7.2 | 7.4 | 8.5 | 9.7 |
| Mathematics and statistics | 0.3 | 0.6 | 0.6 | 0.5 | 0.7 | 0.6 | 0.7 | 0.8 | 0.6 | 0.9 | 1.4 | 1.3 | 1.5 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.6 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Computer and information sciences | NA | NA | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.4 | 0.5 | 0.8 | 0.8 | 0.8 | 0.8 | 1.3 | 1.0 |
| Life sciences | 3.0 | 3.3 | 4.5 | 5.3 | 6.9 | 6.6 | 7.5 | 8.4 | 8.1 | 8.1 | 11.1 | 11.6 | 12.1 | 13.6 | 15.4 | 15.2 | 17.3 | 20.0 | 20.9 |
| Psychology | 1.1 | 1.7 | 2.8 | 2.9 | 3.5 | 3.5 | 3.6 | 3.6 | 4.5 | 4.3 | 5.7 | 6.2 | 6.8 | 7.9 | 8.3 | 8.4 | 8.7 | 8.5 | 9.3 |
| Social sciences | 1.5 | 1.7 | 2.7 | 3.5 | 4.7 | 3.9 | 4.7 | 5.1 | 4.4 | 4.3 | 6.3 | 6.3 | 6.6 | 6.5 | 7.8 | 8.0 | 8.6 | 9.0 | 9.4 |
| Engineering | 0.7 | 0.8 | 1.2 | 1.1 | 1.6 | 1.1 | 1.6 | 1.8 | 1.6 | 1.8 | 2.9 | 2.9 | 3.4 | 3.4 | 3.0 | 3.6 | 4.0 | 4.7 | 5.1 |
| Asian or Pacific Islander, all fields | 0.6 | 0.6 | 1.0 | 1.6 | 2.0 | 1.8 | 2.0 | 1.9 | 2.5 | 3.2 | 4.4 | 4.9 | 5.0 | 7.2 | 7.5 | 8.6 | 10.1 | 12.3 | 15.2 |
| Physical sciences | 0.2 | 0.1 | 0.2 | 0.5 | 0.6 | 0.6 | 0.5 | 0.4 | 0.8 | 0.8 | 1.3 | 1.1 | 1.1 | 1.4 | 1.6 | 1.4 | 1.5 | 2.1 | 3.4 |
| Mathematics and statistics | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 0.3 | 0.3 | 0.5 | 0.5 | 0.7 | 0.8 | 1.0 | 0.7 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.1 | 0.2 | 0.2 | 0.2 | 0.3 | 0.7 | 0.4 |
| Life sciences | 0.2 | 0.3 | 0.6 | 0.7 | 0.7 | 0.7 | 0.9 | 0.8 | 0.8 | 1.1 | 1.6 | 1.9 | 2.1 | 3.4 | 3.1 | 3.5 | 3.8 | 4.8 | 6.5 |
| Psychology | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.6 | 0.8 |
| Social sciences | 0.0 | 0.1 | 0.1 | 0.1 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.6 | 0.5 | 0.8 | 0.8 | 0.8 | 1.0 | 1.2 | 1.2 |
| Engineering | 0.1 | 0.1 | 0.0 | 0.2 | 0.2 | 0.3 | 0.4 | 0.3 | 0.3 | 0.6 | 0.7 | 0.7 | 0.6 | 0.9 | 1.1 | 1.5 | 1.9 | 2.0 | 2.4 |
| Underrepresented minority, all fields ^a | 0.3 | 0.3 | 0.5 | 0.8 | 1.0 | 1.1 | 1.1 | 1.1 | 1.5 | 1.8 | 2.5 | 2.9 | 3.7 | 3.9 | 4.8 | 5.3 | 5.6 | 7.2 | 8.1 |
| Physical sciences | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.4 | 0.4 | 0.3 | 0.5 | 0.5 | 0.4 | 0.5 | 0.7 | 0.8 |
| Mathematics and statistics | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 |
| Computer and information sciences | NA | NA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | s | 0.1 | 0.1 | 0.2 |
| Life sciences | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.5 | 0.9 | 1.1 | 1.1 | 1.4 | 1.5 | 1.7 | 2.2 | 2.6 |
| Psychology | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 | 0.6 | 0.8 | 0.7 | 1.0 | 1.3 | 1.4 | 1.4 | 1.6 | 1.8 | 1.7 |



| Position, race, ethnicity, and field | 1973 | 1977 | 1981 | 1983 | 1985 | 1987 | 1989 | 1991 | 1993 | 1995 | 1997 | 1999 | 2001 | 2003 | 2006 | 2008 | 2010 | 2013 | 2015 |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Social sciences | 0.0 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.3 | 0.5 | 0.6 | 0.9 | 0.8 | 1.2 | 1.3 | 1.0 | 1.6 | 1.9 |
| Engineering | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 | 0.7 | 0.7 |

* = amount less than 0.05; NA = not available; s = suppressed for reasons of confidentiality and/or reliability.

^a Underrepresented minority includes blacks or African Americans, Hispanics or Latinos, and American Indians or Alaska Natives. Total includes individuals reporting more than one race, who are not shown separately. Because of changes in the survey questionnaire, data on underrepresented minorities from 2003 to 2015 are not directly comparable with earlier years' data.

^b Full-time faculty includes full professors, associate professors, assistant professors, and instructors from 1973 to 1995; from 1997 to 2015, full-time faculty includes full professors, associate professors, and assistant professors.

^c Other positions include full-time positions such as research associates, adjunct positions, lecturers, and administrative positions, as well as part-time positions of all kinds. From 1997 to 2015, other positions also include instructors. Part-time positions exclude those employed part time because they are students or retired.

Note(s)

Detail may not add to total because of rounding. Academic employment is limited to U.S. doctorate holders employed at 2- or 4-year colleges or universities, medical schools, and university research institutes. Physical sciences include earth, atmospheric, and ocean sciences; life sciences include biological, agricultural, environmental, and health sciences. Numbers are rounded to the nearest 100.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2017) of the 1973–2015 Survey of Doctorate Recipients (SDR).

Science and Engineering Indicators 2018