## TABLE 69

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by occupation and sector of employment: 2019

| Occupation | All full-time employed |  | 4-year educational institution ${ }^{\text {a }}$ |  | Other educational institution ${ }^{\text {b }}$ |  | Private, for profit ${ }^{\text {c }}$ |  | Private, nonprofit |  | Federal government |  | State or local government |  | Self-employed ${ }^{\text {d }}$ |  | Other ${ }^{\text {e }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE |
| All occupations | 119,000 | 1,000 | 95,000 | 500 | 76,000 | 1,500 | 150,000 | 500 | 119,000 | 500 | 126,000 | 1,500 | 98,000 | 2,500 | 100,000 | 500 | 132,000 | 5,500 |
| Science occupations | 106,000 | 1,500 | 89,000 | 1,000 | 76,000 | 2,000 | 140,000 | 2,000 | 110,000 | 2,500 | 121,000 | 2,500 | 90,000 | 2,500 | 101,000 | 9,000 | 130,000 | 3,000 |
| Biological, agricultural, and other life scientist | 100,000 | 500 | 82,000 | 1,500 | 73,000 | 2,500 | 127,000 | 2,500 | 100,000 | 2,500 | 120,000 | 1,500 | 75,000 | 3,500 | 78,000 | 6,500 | 105,000 | 20,500 |
| Agricultural, food scientist | 109,000 | 2,500 | 91,000 | 4,000 | D | D | 120,000 | 2,000 | 99,000 | 11,000 | 121,000 | 5,000 | 96,000 | 16,500 | 195,000 | 67,500 | D | D |
| Biochemists, biophysicist | 100,000 | 4,000 | 59,000 | 2,000 | D | D | 126,000 | 5,000 | 98,000 | 18,000 | 118,000 | 10,500 | S | S | D | D | D | D |
| Biological scientist | 90,000 | 2,000 | 70,000 | 4,000 | 73,000 | 3,500 | 115,000 | 3,500 | 89,000 | 5,500 | 111,000 | 6,500 | 72,000 | 4,500 | 58,000 | 19,500 | 85,000 | 11,000 |
| Forestry, conservation scientist | 98,000 | 5,500 | 74,000 | 7,500 | D | D | 111,000 | 6,500 | 87,000 | 17,000 | 111,000 | 6,000 | 68,000 | 7,500 | D | D | * | * |
| Medical scientist | 119,000 | 1,000 | 89,000 | 3,000 | D | D | 144,000 | 5,000 | 110,000 | 3,000 | 121,000 | 4,500 | 83,000 | 13,000 | 69,000 | 9,500 | 135,000 | 15,000 |
| Postsecondary teachers, agricultural, other natural sciences | 90,000 | 2,000 | 91,000 | 2,500 | 67,000 | 9,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, biological sciences | 89,000 | 2,000 | 90,000 | 1,500 | 74,000 | 4,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Other biological, agricultural, life scientist | 109,000 | 2,500 | 60,000 | 1,500 | D | D | 125,000 | 2,500 | 95,000 | 4,000 | 120,000 | 5,500 | 84,000 | 8,500 | 92,000 | 36,000 | 87,000 | 42,500 |
| Computer and information scientist | 149,000 | 2,000 | 104,000 | 2,500 | 78,000 | 9,500 | 160,000 | 2,000 | 137,000 | 13,000 | 134,000 | 5,500 | 97,000 | 13,000 | 90,000 | 21,500 | 139,000 | 15,000 |
| Computer and information scientist | 153,000 | 2,500 | 107,000 | 5,000 | 72,000 | 12,000 | 160,000 | 2,000 | 137,000 | 13,000 | 134,000 | 5,500 | 97,000 | 13,000 | 90,000 | 21,500 | 139,000 | 15,000 |
| Postsecondary teachers, computer science | 101,000 | 3,500 | 103,000 | 3,500 | 83,000 | 14,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Mathematical scientist | 114,000 | 2,500 | 89,000 | 1,000 | 79,000 | 4,000 | 150,000 | 4,500 | 130,000 | 3,000 | 136,000 | 6,500 | 97,000 | 23,000 | 181,000 | 37,000 | 147,000 | 20,500 |
| Mathematical scientist | 140,000 | 3,500 | 96,000 | 2,500 | 88,000 | 16,000 | 150,000 | 4,500 | 130,000 | 3,000 | 136,000 | 6,500 | 97,000 | 23,000 | 181,000 | 37,000 | 147,000 | 20,500 |
| Postsecondary teachers, mathematics, statistics | 87,000 | 2,000 | 88,000 | 1,500 | 77,000 | 6,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Physical scientist | 102,000 | 2,500 | 85,000 | 1,500 | 70,000 | 3,000 | 133,000 | 2,000 | 128,000 | 4,500 | 130,000 | 1,500 | 100,000 | 6,000 | 133,000 | 23,000 | 121,000 | 7,000 |
| Chemists, except biochemist | 120,000 | 1,500 | 60,000 | 4,500 | D | D | 129,000 | 3,000 | 115,000 | 7,500 | 119,000 | 7,500 | 98,000 | 10,000 | D | D | 119,000 | 27,000 |
| Earth, atmospheric, ocean scientist | 110,000 | 1,500 | 84,000 | 3,500 | 79,000 | 3,000 | 142,000 | 6,500 | 107,000 | 9,500 | 129,000 | 6,000 | 99,000 | 8,000 | 119,000 | 29,500 | 120,000 | 24,500 |
| Physicists, astronomers | 130,000 | 1,500 | 72,000 | 3,500 | D | D | 141,000 | 6,500 | 137,000 | 6,500 | 140,000 | 6,000 | 132,000 | 14,000 | D | D | 127,000 | 9,500 |
| Postsecondary teachers, chemistry | 80,000 | 2,000 | 80,000 | 1,000 | 70,000 | 2,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, physics | 92,000 | 3,000 | 95,000 | 4,500 | 73,000 | 5,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, other physical science | 90,000 | 1,500 | 90,000 | 3,500 | 67,000 | 3,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Other physical scientist | 125,000 | 4,000 | 98,000 | 9,500 | D | D | 139,000 | 8,500 | 136,000 | 15,500 | 132,000 | 12,000 | 88,000 | 12,000 | D | D | D | D |
| Psychologist | 100,000 | 500 | 88,000 | 1,500 | 84,000 | 5,000 | 117,000 | 4,500 | 104,000 | 2,000 | 110,000 | 2,500 | 95,000 | 5,000 | 108,000 | 7,000 | 111,000 | 15,000 |
| Psychologist | 103,000 | 1,500 | 90,000 | 3,000 | 87,000 | 3,500 | 117,000 | 4,500 | 104,000 | 2,000 | 110,000 | 2,500 | 95,000 | 5,000 | 108,000 | 7,000 | 111,000 | 15,000 |
| Postsecondary teachers, psychology | 85,000 | 1,000 | 85,000 | 2,000 | 77,000 | 3,500 | D | D | D | D | D | D | D | D | D | D | D | D |

TABLE 69
Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by occupation and sector of employment: 2019 (Dollars)

| Occupation | All full-time employed |  | 4-year educational institution ${ }^{\text {a }}$ |  | Other educational institution ${ }^{\text {b }}$ |  | Private, for profit ${ }^{\text {c }}$ |  | Private, nonprofit |  | Federal government |  | State or local government |  | Self-employed ${ }^{\text {d }}$ |  | Other ${ }^{\text {e }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE |
| Social scientist | 99,000 | 1,500 | 93,000 | 1,500 | 76,000 | 2,500 | 154,000 | 6,500 | 120,000 | 9,000 | 139,000 | 5,000 | 91,000 | 2,000 | 90,000 | 12,000 | 159,000 | 24,000 |
| Economist | 149,000 | 4,000 | 127,000 | 6,500 | D | D | 172,000 | 8,500 | 136,000 | 5,500 | 150,000 | 3,000 | 93,000 | 5,500 | D | D | 180,000 | 17,500 |
| Political scientist | 134,000 | 10,500 | 125,000 | 14,000 | D | D | S | S | 122,000 | 26,000 | 144,000 | 7,000 | S | S | D | D | D | D |
| Postsecondary teachers, economics | 110,000 | 3,500 | 110,000 | 4,000 | 81,000 | 9,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, political science | 88,000 | 4,500 | 89,000 | 4,000 | 75,000 | 5,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, sociology | 83,000 | 2,500 | 84,000 | 2,000 | 69,000 | 4,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Postsecondary teachers, other social sciences | 84,000 | 2,000 | 85,000 | 1,500 | 74,000 | 3,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Sociologist, anthropologist | 89,000 | 6,000 | 76,000 | 9,000 | D | D | 106,000 | 20,000 | 105,000 | 10,500 | 119,000 | 10,000 | 81,000 | 3,000 | D | D | S | S |
| Other social scientist | 106,000 | 4,500 | 87,000 | 4,000 | 80,000 | 8,500 | 140,000 | 14,000 | 114,000 | 10,000 | 131,000 | 6,500 | 90,000 | 4,500 | 117,000 | 23,500 | 149,000 | 50,500 |
| Engineering occupations | 130,000 | 500 | 108,000 | 2,000 | 73,000 | 11,500 | 140,000 | 2,000 | 137,000 | 7,000 | 130,000 | 2,000 | 102,000 | 7,000 | 99,000 | 12,000 | 139,000 | 6,000 |
| Aerospace, aeronautical, astronautical engineer | 149,000 | 1,500 | 130,000 | 32,500 | D | D | 149,000 | 5,500 | 159,000 | 4,500 | 137,000 | 10,000 | D | D | D | D | 150,000 | 20,500 |
| Chemical engineer | 137,000 | 4,500 | 106,000 | 8,000 | D | D | 140,000 | 2,500 | 149,000 | 27,000 | 132,000 | 11,000 | D | D | D | D | D | D |
| Civil, architectural, sanitary engineer | 109,000 | 5,000 | 99,000 | 6,500 | D | D | 116,000 | 9,500 | 120,000 | 13,000 | 111,000 | 10,000 | 100,000 | 14,000 | S | S | D | D |
| Electrical engineer | 149,000 | 1,000 | 119,000 | 12,500 | D | D | 150,000 | 5,000 | 142,000 | 9,500 | 135,000 | 4,000 | 158,000 | 30,500 | D | D | 165,000 | 32,000 |
| Industrial engineers | 119,000 | 3,500 | 108,000 | 14,500 | D | D | 119,000 | 4,000 | D | D | S | S | D | D | D | D | D | D |
| Mechanical engineer | 129,000 | 3,500 | 110,000 | 5,500 | D | D | 131,000 | 3,500 | 118,000 | 12,500 | 125,000 | 6,500 | S | S | S | S | 109,000 | 12,500 |
| Postsecondary teacher, engineering | 108,000 | 2,500 | 108,000 | 2,000 | 71,000 | 11,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| Other engineer | 130,000 | 500 | 93,000 | 4,500 | D | D | 137,000 | 4,000 | 129,000 | 4,000 | 128,000 | 5,500 | 101,000 | 5,500 | 97,000 | 40,500 | 117,000 | 23,500 |
| S\&E-related occupations | 130,000 | 500 | 106,000 | 2,500 | 65,000 | 3,500 | 169,000 | 4,000 | 149,000 | 8,000 | 145,000 | 7,000 | 121,000 | 9,500 | 172,000 | 29,000 | 116,000 | 13,500 |
| Health occupations, except postsecondary teachers and managers | 139,000 | 3,500 | 101,000 | 9,000 | 92,000 | 15,000 | 180,000 | 15,000 | 150,000 | 14,500 | 131,000 | 6,500 | 117,000 | 31,000 | 183,000 | 28,000 | 108,000 | 7,000 |
| Postsecondary teacher, health and related science | 105,000 | 2,500 | 105,000 | 2,500 | 80,000 | 15,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| S\&E managers, including health | 164,000 | 4,000 | 139,000 | 8,500 | D | D | 180,000 | 3,500 | 147,000 | 19,500 | 150,000 | 4,500 | 126,000 | 7,500 | D | D | 110,000 | 27,000 |
| S\&E precollege teachers | 63,000 | 2,500 | S | S | 63,000 | 2,500 | D | D | D | D | D | D | D | D | D | D | D | D |
| S\&E technicians/ technologists | 129,000 | 3,500 | 68,000 | 12,000 | D | D | 135,000 | 3,500 | 125,000 | 11,500 | 110,000 | 8,500 | 92,000 | 19,500 | D | D | S | S |
| Other S\&E-related occupation | 132,000 | 8,500 | D | D | D | D | 140,000 | 10,000 | D | D | D | D | D | D | D | D | D | D |
| Non-S\&E occupations | 138,000 | 3,500 | 120,000 | 2,500 | 94,000 | 4,000 | 164,000 | 4,500 | 112,000 | 7,000 | 139,000 | 3,500 | 100,000 | 9,000 | 80,000 | 7,500 | 139,000 | 8,500 |
| Arts, humanities-related occupation | 93,000 | 3,500 | 88,000 | 14,500 | S | S | 98,000 | 4,500 | 89,000 | 4,500 | 124,000 | 20,500 | S | S | 40,000 | 14,000 | S | S |
| Management-related occupation | 140,000 | 5,500 | 93,000 | 5,000 | 105,000 | 8,000 | 158,000 | 4,000 | 101,000 | 4,500 | 138,000 | 8,000 | 98,000 | 9,500 | 95,000 | 9,000 | 125,000 | 16,500 |
| Non-S\&E managers | 179,000 | 3,500 | 160,000 | 5,000 | 119,000 | 4,500 | 200,000 | 500 | 175,000 | 9,000 | 154,000 | 4,000 | 121,000 | 7,500 | 111,000 | 19,000 | 202,000 | 38,500 |

## TABLE 69

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers, by occupation and sector of employment: 2019 (Dollars)

| Occupation | All full-time employed |  | 4-year educational institution ${ }^{\text {a }}$ |  | Other educational institution ${ }^{\text {b }}$ |  | Private, for profit ${ }^{\text {c }}$ |  | Private, nonprofit |  | Federal government |  | State or local government |  | Self-employed ${ }^{\text {d }}$ |  | Other ${ }^{\text {e }}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE |
| Non-S\&E postsecondary teachers | 100,000 | 2,000 | 100,000 | 1,500 | 87,000 | 7,000 | D | D | D | D | D | D | D | D | D | D | D | D |
| Non-S\&E precollege/ other teachers | 68,000 | 4,000 | 102,000 | 26,500 | 69,000 | 4,500 | 72,000 | 21,500 | S | S | S | S | S | S | S | S | D | D |
| Sales, marketing occupation | 120,000 | 5,000 | S | S | D | D | 130,000 | 6,000 | 84,000 | 19,500 | D | D | D | D | 39,000 | 11,500 | D | D |
| Social service-related occupation | 74,000 | 5,000 | 71,000 | 4,000 | 72,000 | 5,000 | 70,000 | 11,000 | 58,000 | 10,000 | 146,000 | 47,500 | 82,000 | 18,500 | 92,000 | 27,500 | D | D |
| Other non-S\&E occupation | 125,000 | 6,000 | 75,000 | 12,500 | 43,000 | 15,500 | 150,000 | 12,500 | 78,000 | 6,000 | 125,000 | 4,500 | 76,000 | 13,000 | S | S | 48,000 | 13,500 |

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. $S=$ suppressed for reliability; coefficient of variation exceeds publication standards.

S\&E = science and engineering; $\mathrm{SE}=$ standard error.
${ }^{a}$ Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes
b Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions
${ }^{\text {c }}$ Includes those self-employed in an incorporated business.
${ }^{d}$ Self-employed or business owner in a nonincorporated business.
${ }^{\mathrm{e}}$ Includes employers not broken out separately

## Note(s):

 on 1 February 2019.

## Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.

