

TABLE 62

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and tenure status: 2021

(Dollars)

| Field of study and sex | All full-time employed | | Tenured | | Not tenured | | | | Tenure not applicable | |
|--|------------------------|-------|---------------|--------|-----------------|--------|---------------------|--------|-----------------------|--------|
| | Median salary | SE | Median salary | SE | On tenure track | | Not on tenure track | | Median salary | SE |
| | | | | | Median salary | SE | Median salary | SE | | |
| All fields | 99,000 | 1,000 | 115,000 | 1,000 | 90,000 | 500 | 78,000 | 2,000 | 80,000 | 1,500 |
| Male | 102,000 | 1,500 | 120,000 | 500 | 93,000 | 2,000 | 77,000 | 2,500 | 81,000 | 2,000 |
| Female | 90,000 | 500 | 106,000 | 2,500 | 85,000 | 1,500 | 80,000 | 2,000 | 76,000 | 1,500 |
| Science | 95,000 | 1,000 | 110,000 | 1,500 | 88,000 | 1,500 | 75,000 | 500 | 77,000 | 1,500 |
| Male | 100,000 | 500 | 116,000 | 2,000 | 92,000 | 2,000 | 75,000 | 2,000 | 80,000 | 1,000 |
| Female | 89,000 | 1,000 | 105,000 | 2,000 | 82,000 | 1,500 | 75,000 | 1,000 | 75,000 | 1,500 |
| Biological, agricultural, and environmental life sciences | 94,000 | 2,000 | 120,000 | 2,500 | 95,000 | 1,500 | 72,000 | 3,500 | 70,000 | 500 |
| Male | 100,000 | 1,500 | 124,000 | 4,500 | 100,000 | 1,500 | 72,000 | 3,000 | 70,000 | 3,000 |
| Female | 85,000 | 1,500 | 116,000 | 5,500 | 86,000 | 3,500 | 74,000 | 3,500 | 69,000 | 2,000 |
| Agricultural and food sciences | 95,000 | 4,000 | 118,000 | 7,500 | 80,000 | 1,500 | 69,000 | 3,000 | 69,000 | 3,000 |
| Male | 103,000 | 3,500 | 119,000 | 5,500 | 83,000 | 3,500 | 70,000 | 6,000 | 72,000 | 13,000 |
| Female | 78,000 | 4,000 | 110,000 | 3,000 | 75,000 | 3,000 | 67,000 | 6,500 | 61,000 | 4,500 |
| Biochemistry and biophysics | 95,000 | 4,000 | 136,000 | 9,000 | 97,000 | 8,000 | 65,000 | 5,500 | 66,000 | 6,500 |
| Male | 101,000 | 5,000 | 140,000 | 14,500 | 99,000 | 9,000 | 63,000 | 4,000 | 67,000 | 10,000 |
| Female | 79,000 | 3,500 | 108,000 | 17,500 | 92,000 | 21,500 | 76,000 | 17,000 | 65,000 | 6,000 |
| Cell, cellular biology, and molecular biology | 91,000 | 4,500 | 131,000 | 10,500 | 94,000 | 6,000 | 79,000 | 6,000 | 70,000 | 4,500 |
| Male | 100,000 | 4,500 | 136,000 | 17,000 | 102,000 | 4,000 | 85,000 | 2,500 | 74,000 | 8,500 |
| Female | 80,000 | 4,500 | 130,000 | 13,000 | 76,000 | 9,000 | 68,000 | 7,500 | 67,000 | 4,500 |
| Microbiological sciences and immunology | 95,000 | 4,500 | 117,000 | 7,500 | 98,000 | 3,000 | 79,000 | 9,500 | 75,000 | 5,000 |
| Male | 107,000 | 9,000 | 132,000 | 24,000 | 101,000 | 6,500 | 90,000 | 15,500 | 81,000 | 5,500 |
| Female | 82,000 | 5,000 | 108,000 | 8,000 | 75,000 | 12,500 | 74,000 | 8,500 | 70,000 | 5,000 |
| Natural resources and conservation | 83,000 | 3,500 | 100,000 | 2,500 | 83,000 | 3,000 | 71,000 | 4,500 | 67,000 | 5,000 |
| Male | 86,000 | 6,000 | 102,000 | 4,000 | 80,000 | 6,500 | 72,000 | 5,000 | 67,000 | 6,000 |
| Female | 80,000 | 3,500 | 89,000 | 6,500 | 84,000 | 3,000 | 67,000 | 8,500 | 65,000 | 4,000 |
| Zoology | 94,000 | 6,000 | 105,000 | 7,500 | 81,000 | 8,000 | 75,000 | 8,500 | 60,000 | 3,000 |
| Male | 103,000 | 4,000 | 116,000 | 13,500 | 82,000 | 17,000 | 80,000 | 11,500 | 74,000 | 13,000 |
| Female | 75,000 | 5,500 | 97,000 | 9,000 | 79,000 | 8,000 | 66,000 | 6,000 | 59,000 | 2,500 |
| Other biological sciences | 94,000 | 2,500 | 121,000 | 6,000 | 100,000 | 2,500 | 72,000 | 3,500 | 70,000 | 2,000 |
| Male | 100,000 | 1,500 | 125,000 | 6,500 | 104,000 | 3,000 | 70,000 | 2,500 | 70,000 | 5,000 |
| Female | 88,000 | 2,000 | 120,000 | 4,500 | 89,000 | 5,000 | 76,000 | 2,000 | 71,000 | 2,500 |
| Computer and information sciences | 110,000 | 2,500 | 130,000 | 6,500 | 99,000 | 500 | 93,000 | 5,500 | 95,000 | 5,500 |
| Male | 110,000 | 4,000 | 135,000 | 5,000 | 100,000 | 2,000 | 99,000 | 11,500 | 94,000 | 5,000 |
| Female | 100,000 | 3,000 | 110,000 | 6,500 | 96,000 | 5,500 | 88,000 | 7,500 | 97,000 | 8,000 |
| Mathematics and statistics | 92,000 | 2,500 | 101,000 | 3,000 | 87,000 | 4,500 | 70,000 | 1,000 | 72,000 | 4,500 |
| Male | 95,000 | 2,500 | 105,000 | 2,000 | 87,000 | 4,500 | 70,000 | 2,000 | 72,000 | 5,500 |
| Female | 87,000 | 3,500 | 92,000 | 6,000 | 84,000 | 8,500 | 74,000 | 3,500 | 72,000 | 6,500 |
| Physical sciences, geosciences, atmospheric sciences, and ocean sciences | 91,000 | 2,000 | 110,000 | 2,000 | 82,000 | 2,500 | 74,000 | 3,000 | 75,000 | 3,500 |
| Male | 96,000 | 2,500 | 110,000 | 2,000 | 83,000 | 3,500 | 75,000 | 4,000 | 79,000 | 5,500 |
| Female | 82,000 | 1,500 | 101,000 | 3,500 | 79,000 | 3,000 | 72,000 | 5,000 | 67,000 | 3,500 |
| Astronomy and astrophysics | 89,000 | 5,500 | 119,000 | 9,000 | 82,000 | 6,000 | 72,000 | 7,500 | 69,000 | 5,000 |
| Male | 90,000 | 7,500 | 119,000 | 14,000 | 75,000 | 9,000 | 73,000 | 13,500 | 61,000 | 10,000 |

TABLE 62

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and tenure status: 2021

(Dollars)

| Field of study and sex | All full-time employed | | Tenured | | Not tenured | | | | Tenure not applicable | |
|--|------------------------|--------|---------------|--------|-----------------|--------|---------------------|--------|-----------------------|--------|
| | Median salary | SE | Median salary | SE | On tenure track | | Not on tenure track | | Median salary | SE |
| | | | | | Median salary | SE | Median salary | SE | | |
| Female | 83,000 | 5,500 | 124,000 | 8,500 | 91,000 | 8,000 | 70,000 | 4,000 | 72,000 | 5,500 |
| Chemistry, except biochemistry | 85,000 | 3,000 | 100,000 | 2,000 | 76,000 | 4,000 | 67,000 | 5,500 | 66,000 | 2,500 |
| Male | 91,000 | 3,000 | 104,000 | 4,500 | 78,000 | 5,000 | 74,000 | 7,500 | 69,000 | 6,500 |
| Female | 79,000 | 4,000 | 89,000 | 3,000 | 71,000 | 5,500 | 61,000 | 5,000 | 60,000 | 3,500 |
| Geosciences, atmospheric sciences, and ocean sciences | 90,000 | 2,000 | 110,000 | 4,500 | 76,000 | 2,500 | 76,000 | 3,000 | 76,000 | 3,000 |
| Male | 96,000 | 3,500 | 110,000 | 5,000 | 74,000 | 3,500 | 81,000 | 5,000 | 81,000 | 4,500 |
| Female | 82,000 | 3,000 | 113,000 | 5,500 | 77,000 | 5,000 | 71,000 | 8,000 | 73,000 | 4,500 |
| Physics | 101,000 | 4,500 | 119,000 | 6,000 | 92,000 | 5,000 | 74,000 | 4,500 | 89,000 | 9,500 |
| Male | 104,000 | 5,500 | 119,000 | 7,000 | 98,000 | 6,000 | 70,000 | 3,500 | 95,000 | 11,000 |
| Female | 95,000 | 6,000 | 110,000 | 8,500 | 80,000 | 5,000 | 86,000 | 29,500 | 73,000 | 11,000 |
| Psychology | 95,000 | 2,000 | 105,000 | 3,000 | 76,000 | 3,500 | 84,000 | 4,500 | 90,000 | 3,000 |
| Male | 100,000 | 500 | 111,000 | 3,000 | 73,000 | 4,000 | 99,000 | 10,000 | 89,000 | 3,000 |
| Female | 92,000 | 2,000 | 100,000 | 1,500 | 78,000 | 4,000 | 82,000 | 2,500 | 92,000 | 4,000 |
| Social sciences | 98,000 | 2,000 | 110,000 | 500 | 84,000 | 2,500 | 74,000 | 2,500 | 84,000 | 3,000 |
| Male | 105,000 | 2,000 | 115,000 | 2,500 | 88,000 | 2,500 | 75,000 | 5,000 | 95,000 | 4,000 |
| Female | 90,000 | 1,500 | 103,000 | 3,000 | 81,000 | 2,000 | 72,000 | 3,000 | 75,000 | 4,500 |
| Economics | 124,000 | 5,000 | 135,000 | 5,500 | 109,000 | 7,000 | 104,000 | 14,000 | 101,000 | 32,500 |
| Male | 129,000 | 6,000 | 138,000 | 10,000 | 106,000 | 7,500 | 115,000 | 11,000 | 110,000 | 30,500 |
| Female | 113,000 | 5,500 | 125,000 | 7,000 | 114,000 | 7,000 | 80,000 | 4,000 | 71,000 | 24,000 |
| Political science and government | 98,000 | 4,000 | 110,000 | 4,000 | 82,000 | 5,000 | 69,000 | 5,500 | 90,000 | 8,000 |
| Male | 100,000 | 3,500 | 110,000 | 5,000 | 80,000 | 4,500 | 65,000 | 6,000 | 96,000 | 8,500 |
| Female | 94,000 | 3,500 | 110,000 | 6,000 | 87,000 | 6,500 | 74,000 | 8,000 | 80,000 | 3,000 |
| Sociology, demography, and population studies | 90,000 | 1,000 | 98,000 | 4,000 | 74,000 | 2,500 | 71,000 | 2,500 | 84,000 | 14,500 |
| Male | 90,000 | 5,500 | 99,000 | 6,000 | 73,000 | 3,500 | 77,000 | 8,500 | 98,000 | 28,500 |
| Female | 90,000 | 2,000 | 96,000 | 2,500 | 74,000 | 4,500 | 69,000 | 4,500 | 77,000 | 14,500 |
| Other social sciences | 89,000 | 1,500 | 101,000 | 2,500 | 74,000 | 1,500 | 69,000 | 4,500 | 78,000 | 3,000 |
| Male | 93,000 | 3,500 | 104,000 | 4,000 | 77,000 | 5,000 | 65,000 | 5,000 | 83,000 | 8,000 |
| Female | 85,000 | 2,500 | 100,000 | 2,000 | 73,000 | 1,000 | 70,000 | 4,000 | 70,000 | 3,500 |
| Engineering | 109,000 | 1,500 | 133,000 | 4,500 | 97,000 | 2,000 | 87,000 | 4,500 | 88,000 | 5,000 |
| Male | 110,000 | 1,500 | 132,000 | 5,000 | 97,000 | 2,000 | 87,000 | 7,000 | 90,000 | 2,000 |
| Female | 103,000 | 3,000 | 131,000 | 7,000 | 98,000 | 3,500 | 87,000 | 4,000 | 79,000 | 4,500 |
| Aerospace, aeronautical, and astronautical engineering | 114,000 | 11,500 | 166,000 | 15,000 | 94,000 | 5,000 | 83,000 | 10,000 | 91,000 | 10,000 |
| Male | 110,000 | 12,500 | 167,000 | 14,000 | 93,000 | 5,000 | 85,000 | 9,500 | 89,000 | 7,000 |
| Female | 129,000 | 10,000 | 119,000 | 13,500 | * | * | D | D | 134,000 | 21,000 |
| Chemical engineering | 118,000 | 9,500 | 139,000 | 11,000 | 104,000 | 5,500 | 84,000 | 8,500 | 61,000 | 6,500 |
| Male | 122,000 | 10,500 | 139,000 | 12,500 | 103,000 | 9,500 | 79,000 | 8,000 | 63,000 | 7,000 |
| Female | 104,000 | 13,500 | 138,000 | 28,500 | 103,000 | 8,000 | D | D | 56,000 | 12,000 |
| Civil engineering | 103,000 | 3,000 | 117,000 | 7,500 | 95,000 | 3,000 | 77,000 | 6,000 | 90,000 | 6,500 |
| Male | 105,000 | 4,000 | 114,000 | 8,000 | 95,000 | 6,500 | 74,000 | 10,500 | 94,000 | 10,500 |
| Female | 100,000 | 3,000 | 130,000 | 15,000 | 96,000 | 2,000 | 83,000 | 11,500 | 79,000 | 4,500 |
| Electrical and computer engineering | 119,000 | 4,500 | 138,000 | 7,000 | 100,000 | 3,000 | 100,000 | 6,000 | 96,000 | 5,500 |
| Male | 117,000 | 5,500 | 137,000 | 7,500 | 100,000 | 3,500 | 100,000 | 11,000 | 95,000 | 6,000 |
| Female | 129,000 | 7,500 | 139,000 | 14,000 | 103,000 | 23,000 | D | D | 103,000 | 11,500 |
| Mechanical engineering | 100,000 | 2,000 | 119,000 | 2,000 | 91,000 | 1,500 | 86,000 | 11,000 | 79,000 | 9,000 |

TABLE 62

Median annual salaries of U.S. residing full-time employed doctoral scientists and engineers in 4-year educational institutions, by field of doctorate, sex, and tenure status: 2021

(Dollars)

| Field of study and sex | All full-time employed | | Tenured | | Not tenured | | | | Tenure not applicable | |
|------------------------|------------------------|--------|---------------|--------|-----------------|-------|---------------------|--------|-----------------------|--------|
| | | | | | On tenure track | | Not on tenure track | | | |
| | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE | Median salary | SE |
| Male | 101,000 | 5,500 | 119,000 | 2,000 | 90,000 | 1,500 | 88,000 | 8,500 | 79,000 | 12,000 |
| Female | 94,000 | 2,500 | 107,000 | 19,500 | 92,000 | 3,000 | 65,000 | 12,000 | 75,000 | 7,000 |
| Industrial engineers | 100,000 | 5,000 | 147,000 | 12,000 | 100,000 | 7,000 | 64,000 | 11,500 | 76,000 | 5,000 |
| Male | 99,000 | 5,500 | 148,000 | 12,000 | 98,000 | 6,000 | 66,000 | 12,500 | 76,000 | 6,000 |
| Female | 90,000 | 16,000 | 110,000 | 29,000 | D | D | 59,000 | 8,000 | 75,000 | 6,500 |
| Other engineering | 111,000 | 3,500 | 140,000 | 5,500 | 99,000 | 2,500 | 99,000 | 6,500 | 89,000 | 6,500 |
| Male | 117,000 | 5,500 | 140,000 | 6,000 | 98,000 | 2,500 | 104,000 | 8,000 | 93,000 | 13,500 |
| Female | 100,000 | 4,500 | 143,000 | 17,500 | 100,000 | 6,500 | 87,000 | 8,000 | 78,000 | 10,000 |
| Health | 100,000 | 1,000 | 116,000 | 3,500 | 82,000 | 1,000 | 99,000 | 3,500 | 89,000 | 5,000 |
| Male | 104,000 | 6,000 | 125,000 | 13,000 | 77,000 | 3,000 | 98,000 | 5,500 | 78,000 | 20,000 |
| Female | 98,000 | 3,000 | 113,000 | 4,500 | 83,000 | 2,000 | 100,000 | 6,000 | 89,000 | 3,500 |

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information.

SE = standard error.

Note(s):

Median annual salaries are for principal job and are rounded to nearest \$1,000. Standard errors are rounded up to the nearest \$500. Full time is based on working 35 or more hours per week. Four-year educational institutions include 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes. Residence location is based on reported living location on 1 February 2021.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.