

**Table 48****Median basic annual salary for doctorate recipients with definite postgraduation plans in the United States, by field of study, type of postgraduation plans, and sex: 2019**

(Dollars)

Field of study	Total <sup>a</sup>		Employment			Postdoctoral study		
	Male	Female	Total	Male	Female	Total	Male	Female
All fields	70,000	60,000	83,000	95,000	72,500	50,000	50,000	50,000
Science and engineering	70,000	59,530	92,000	100,000	80,000	50,000	50,000	50,000
Life sciences	52,000	52,500	82,000	87,000	80,000	50,000	50,000	50,000
Agricultural sciences and natural resources	55,000	55,000	75,000	80,000	70,116	49,000	48,216	49,000
Biological and biomedical sciences	50,004	50,000	85,000	90,000	80,000	50,000	50,000	50,000
Health sciences	62,200	70,000	85,000	88,739	85,000	50,000	50,000	50,000
Physical sciences and earth sciences	61,218	60,000	96,000	100,000	90,000	50,123	50,004	50,760
Chemistry	55,000	60,000	95,000	97,000	92,250	49,000	48,950	49,000
Geosciences, atmospheric sciences, and ocean sciences	60,000	58,250	70,000	76,750	67,000	55,000	54,000	55,000
Physics and astronomy	70,000	67,600	109,350	110,000	102,500	58,000	58,000	60,295
Mathematics and computer sciences	100,250	82,000	120,000	125,000	101,500	60,000	61,500	60,000
Psychology and social sciences	63,800	55,000	71,000	77,000	69,000	50,000	50,000	48,500
Psychology	52,500	50,000	68,000	71,002	66,050	48,000	48,700	48,000
Economics	100,000	106,000	115,000	115,000	120,000	65,000	65,000	65,000
Social sciences <sup>b</sup>	61,323	60,000	66,000	68,018	65,000	52,000	54,000	52,000
Engineering	90,000	80,000	102,500	105,000	100,000	50,000	50,000	50,000
Non-science and engineering	65,000	62,000	65,000	69,000	65,000	50,000	50,000	50,000
Education	70,000	65,000	70,000	73,000	68,000	50,000	53,000	50,000
Humanities and arts	52,000	52,000	53,000	53,000	53,000	50,000	50,000	50,000
Business management and administration	130,000	123,000	130,000	130,000	125,000	66,000	75,000	65,000
Other non-S&E fields <sup>c</sup>	65,000	64,500	65,500	67,500	65,000	50,000	55,000	50,000

S&amp;E = science and engineering.

<sup>a</sup> Includes doctorate recipients who did not report type of postgraduation plan.<sup>b</sup> Excludes economics, which is usually included within social sciences.<sup>c</sup> Excludes business management and administration, which is usually included within other non-S&E fields.**Note(s):**

Basic annual salary is based on the job or postdoctoral study expected to hold in the next year. Median salaries in this table are the exact salary values of respondents at the 50th percentile of their frequency distribution; salary values are rounded to the nearest dollar. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.