

Table 9-26

## Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2019

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
All occupations	344,350	113,200	76,200	68,900	23,450	62,600
Female	132,500	31,900	29,800	30,800	10,950	29,050
Less than 10	49,550	700	5,300	21,900	5,100	16,550
10–19	43,050	9,050	16,200	7,150	3,300	7,350
20–29	26,200	13,550	6,100	1,450	1,750	3,300
30 or more	13,700	8,600	2,250	300	800	1,800
Male	211,850	81,300	46,400	38,100	12,500	33,550
Less than 10	58,550	550	7,300	27,050	5,400	18,250
10–19	57,650	15,350	24,300	8,750	2,750	6,450
20–29	47,450	29,900	9,400	1,350	1,800	4,950
30 or more	48,250	35,500	5,400	950	2,500	3,900
S&E occupations <sup>a</sup>	266,300	86,950	59,550	55,200	19,050	45,550
Female	94,050	21,800	21,550	22,650	8,500	19,500
Less than 10	36,550	400	3,550	16,150	4,100	12,250
10–19	30,300	6,100	12,100	5,050	2,550	4,500
20–29	17,750	9,250	4,350	1,150	1,250	1,700
30 or more	9,450	6,050	1,550	300	600	1,000
Male	172,250	65,150	38,000	32,550	10,550	26,050
Less than 10	50,050	400	6,100	23,600	4,650	15,300
10–19	47,050	12,750	20,100	7,100	2,400	4,700
20–29	37,300	23,850	7,600	1,000	1,550	3,350
30 or more	37,850	28,200	4,150	800	2,000	2,700
Science occupations	230,400	73,200	51,550	47,350	16,950	41,300
Female	88,050	20,200	20,200	21,000	7,900	18,700
Less than 10	33,800	350	3,300	14,650	3,800	11,700
10–19	28,550	5,600	11,250	4,950	2,350	4,450
20–29	16,550	8,450	4,200	1,150	1,200	1,600
30 or more	9,150	5,800	1,500	250	600	1,000
Male	142,300	53,000	31,350	26,350	9,000	22,600
Less than 10	40,750	350	4,800	18,550	3,800	13,200
10–19	39,500	10,350	16,650	6,300	2,200	3,950
20–29	30,300	19,000	6,150	800	1,350	3,000
30 or more	31,800	23,350	3,750	700	1,600	2,400
Biological/ agricultural/ other life scientist	76,650	19,850	13,900	14,800	4,900	23,300
Female	31,550	5,300	5,450	6,900	2,300	11,550
Less than 10	13,050	S	500	3,750	1,050	7,700
10–19	9,950	1,300	2,800	2,550	700	2,550
20–29	5,550	2,150	1,550	500	400	900
30 or more	3,000	1,750	600	S	150	400
Male	45,100	14,500	8,450	7,850	2,600	11,700
Less than 10	14,200	150	750	4,400	1,250	7,650
10–19	12,700	2,150	4,950	3,000	500	2,150
20–29	8,750	5,150	1,700	350	450	1,100
30 or more	9,500	7,100	1,050	150	400	800
Computer/ information scientist	14,050	4,200	2,900	3,500	750	2,750
Female	2,700	800	450	700	200	550
Less than 10	1,150	D	200	600	50	250
10–19	850	300	200	50	100	150

Table 9-26

## Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2019

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
20-29	450	300	S	D	D	S
30 or more	250	150	D	D	D	S
Male	11,350	3,400	2,400	2,800	550	2,200
Less than 10	3,900	D	400	2,350	200	950
10-19	2,950	850	1,250	300	S	350
20-29	2,650	1,300	600	D	S	650
30 or more	1,850	1,250	200	D	100	250
Mathematical scientist	21,600	7,950	5,550	4,400	2,000	1,700
Female	6,100	1,400	1,800	1,450	850	650
Less than 10	2,400	D	350	1,150	450	350
10-19	1,950	400	1,000	200	100	200
20-29	1,250	650	300	D	150	50
30 or more	550	250	100	D	100	D
Male	15,450	6,550	3,750	2,950	1,150	1,000
Less than 10	4,050	D	750	2,200	550	600
10-19	4,450	1,550	1,850	500	350	150
20-29	3,350	2,200	800	S	100	150
30 or more	3,600	2,750	400	150	150	100
Physical scientist	42,000	14,350	8,500	8,200	3,700	7,250
Female	10,900	2,600	2,450	2,600	1,400	1,800
Less than 10	4,100	S	350	1,900	650	1,100
10-19	3,500	650	1,450	550	450	350
20-29	2,000	1,050	500	100	200	150
30 or more	1,300	800	150	50	150	100
Male	31,100	11,750	6,050	5,600	2,300	5,450
Less than 10	8,400	D	600	3,650	950	3,150
10-19	8,400	2,000	3,500	1,600	500	850
20-29	6,750	4,350	1,100	200	300	750
30 or more	7,550	5,350	850	150	500	700
Psychologist	25,900	8,550	6,150	5,900	1,950	3,350
Female	15,300	4,100	3,700	3,850	1,350	2,250
Less than 10	5,300	*	650	2,700	650	1,300
10-19	5,100	1,150	2,050	850	450	600
20-29	3,150	1,600	800	300	200	250
30 or more	1,750	1,250	250	D	D	200
Male	10,600	4,450	2,450	2,050	600	1,050
Less than 10	2,650	D	600	1,500	250	300
10-19	3,250	1,200	1,150	450	150	300
20-29	2,300	1,550	450	D	100	150
30 or more	2,400	1,650	250	D	S	350
Social scientist	50,200	18,350	14,600	10,550	3,700	3,000
Female	21,500	6,000	6,350	5,450	1,800	1,900
Less than 10	7,800	100	1,250	4,550	900	1,000
10-19	7,200	1,700	3,700	650	550	550
20-29	4,150	2,650	1,000	200	200	150
30 or more	2,300	1,550	400	D	150	200
Male	28,650	12,350	8,250	5,100	1,900	1,100
Less than 10	7,500	100	1,750	4,450	650	550

**Table 9-26****Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2019**

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
10–19	7,700	2,600	3,950	450	550	150
20–29	6,500	4,400	1,500	100	350	150
30 or more	6,950	5,200	1,000	S	400	250
Engineering occupations	35,900	13,700	7,950	7,850	2,100	4,250
Female	5,950	1,600	1,350	1,650	600	800
Less than 10	2,750	50	250	1,500	350	550
10–19	1,750	500	850	150	150	100
20–29	1,150	800	150	D	100	100
30 or more	300	250	S	D	D	D
Male	29,950	12,100	6,650	6,200	1,550	3,500
Less than 10	9,300	50	1,300	5,050	800	2,100
10–19	7,550	2,350	3,450	800	150	750
20–29	7,000	4,850	1,450	200	150	350
30 or more	6,050	4,850	450	D	400	300
S&E-related occupations <sup>b</sup>	35,800	9,650	9,100	9,000	1,450	6,600
Female	18,700	4,150	4,900	5,500	850	3,300
Less than 10	7,650	150	1,250	3,850	400	1,950
10–19	6,100	1,250	2,400	1,450	250	750
20–29	3,550	1,850	950	150	150	400
30 or more	1,400	900	300	D	S	200
Male	17,100	5,550	4,200	3,450	600	3,300
Less than 10	4,950	100	650	1,950	300	2,000
10–19	4,900	800	2,100	1,300	150	600
20–29	3,550	1,950	900	200	S	450
30 or more	3,650	2,700	550	D	S	250
Non-S&E occupations <sup>c</sup>	42,300	16,600	7,550	4,750	2,950	10,450
Female	19,750	6,000	3,350	2,650	1,600	6,250
Less than 10	5,400	150	450	1,900	550	2,350
10–19	6,600	1,700	1,700	600	500	2,100
20–29	4,900	2,500	750	150	350	1,200
30 or more	2,850	1,650	400	D	150	600
Male	22,500	10,650	4,200	2,100	1,350	4,200
Less than 10	3,550	100	500	1,500	500	950
10–19	5,650	1,850	2,100	350	250	1,150
20–29	6,550	4,100	950	150	200	1,150
30 or more	6,700	4,650	650	S	400	950

\* = value < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> S&E occupations include S&E postsecondary teachers.

<sup>b</sup> S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

<sup>c</sup> Non-S&E occupations do not include S&E-related occupations.

**Note(s):**

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression.

**Source(s):**

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