

TABLE 9-23

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
All occupations	319,400	98,800	71,250	64,850	21,150	63,400
Female	120,650	26,900	27,950	27,950	9,950	27,950
Less than 10	48,650	700	5,700	20,250	4,900	17,100
10–19	37,800	7,550	14,900	6,100	2,950	6,250
20–29	22,050	11,150	5,400	1,250	1,300	2,900
30 or more	12,200	7,500	1,900	350	800	1,650
Male	198,750	71,900	43,300	36,900	11,200	35,450
Less than 10	58,250	400	7,300	26,200	4,500	19,900
10–19	52,700	13,050	21,500	8,550	2,850	6,700
20–29	42,800	26,400	8,850	1,350	1,550	4,650
30 or more	45,000	32,050	5,650	800	2,300	4,200
S&E occupations ^a	245,250	75,000	54,400	51,500	16,900	47,500
Female	84,750	17,650	19,350	20,450	7,400	19,950
Less than 10	36,000	300	3,650	15,100	3,750	13,200
10–19	26,300	4,800	10,850	4,350	2,350	4,000
20–29	14,350	7,350	3,650	800	900	1,650
30 or more	8,100	5,200	1,150	200	450	1,100
Male	160,500	57,350	35,050	31,050	9,500	27,550
Less than 10	49,800	300	6,200	22,650	3,750	16,950
10–19	43,000	11,000	17,800	6,750	2,450	5,000
20–29	32,700	21,050	6,500	1,000	1,250	2,900
30 or more	34,950	24,950	4,550	650	2,050	2,750
Scientist	214,200	63,400	47,150	44,800	15,350	43,450
Female	79,350	16,250	18,000	19,100	6,950	19,050
Less than 10	33,650	250	3,400	13,950	3,500	12,550
10–19	24,600	4,350	10,000	4,150	2,200	3,850
20–29	13,250	6,600	3,500	800	800	1,550
30 or more	7,850	5,000	1,100	200	450	1,050
Male	134,800	47,150	29,150	25,700	8,400	24,400
Less than 10	41,800	250	5,250	18,200	3,250	14,800
10–19	36,500	9,200	14,600	6,000	2,250	4,450
20–29	26,600	16,550	5,350	850	1,100	2,700
30 or more	29,900	21,100	3,900	650	1,800	2,500
Biological/life scientist	73,600	17,350	12,200	14,450	4,400	25,200
Female	28,850	4,500	4,300	6,100	2,100	11,900
Less than 10	13,850	50	500	3,600	1,050	8,600
10–19	8,300	1,150	2,250	2,100	700	2,100
20–29	4,300	1,750	1,150	300	250	800
30 or more	2,400	1,500	350	100	100	350
Male	44,750	12,900	7,900	8,350	2,300	13,300
Less than 10	15,350	*	900	4,500	900	9,050
10–19	12,750	2,050	4,300	3,400	600	2,450
20–29	7,650	4,550	1,550	400	350	850
30 or more	8,950	6,300	1,150	S	450	950
Computer and information scientist	11,200	3,200	2,600	2,300	550	2,500
Female	2,100	450	450	450	200	550
Less than 10	850	D	50	450	150	200
10–19	700	200	300	D	S	200
20–29	350	150	S	D	D	50
30 or more	200	100	D	D	D	100

TABLE 9-23

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
Male	9,100	2,750	2,150	1,850	350	1,950
Less than 10	3,350	D	650	1,500	200	950
10-19	2,100	700	850	200	S	300
20-29	1,950	1,000	350	100	D	400
30 or more	1,700	1,000	300	D	50	300
Mathematical scientist	19,700	6,700	5,000	4,150	1,750	2,150
Female	5,350	1,250	1,400	1,250	550	850
Less than 10	2,200	D	350	1,050	150	600
10-19	1,550	350	750	150	200	100
20-29	1,050	600	250	S	100	50
30 or more	550	300	50	D	S	D
Male	14,400	5,450	3,600	2,850	1,200	1,300
Less than 10	4,250	S	550	2,300	650	750
10-19	3,850	1,300	1,750	300	300	150
20-29	3,000	1,800	800	S	150	250
30 or more	3,300	2,350	500	150	150	200
Physical scientist	39,150	13,100	7,600	7,550	3,600	7,300
Female	9,750	2,150	2,150	2,500	1,250	1,750
Less than 10	3,900	D	400	1,900	550	1,050
10-19	3,150	550	1,300	400	450	400
20-29	1,750	1,050	300	100	150	150
30 or more	1,000	550	150	D	50	150
Male	29,400	10,950	5,450	5,050	2,350	5,550
Less than 10	8,150	150	750	3,600	650	3,050
10-19	7,750	1,900	2,950	1,150	650	1,100
20-29	6,550	4,300	1,100	150	350	650
30 or more	6,950	4,650	650	150	700	800
Psychologist	24,300	7,400	6,750	5,450	1,650	3,100
Female	13,500	3,300	3,600	3,550	1,050	2,050
Less than 10	4,950	50	750	2,650	500	1,000
10-19	4,250	900	1,850	650	350	600
20-29	2,650	1,200	850	200	150	250
30 or more	1,650	1,150	200	50	D	200
Male	10,800	4,100	3,150	1,900	600	1,050
Less than 10	3,050	*	750	1,550	250	450
10-19	3,100	800	1,500	300	250	250
20-29	2,050	1,200	600	D	D	250
30 or more	2,600	2,050	300	D	100	100
Social scientist	46,150	15,600	13,050	10,950	3,400	3,200
Female	19,800	4,600	6,100	5,250	1,800	2,000
Less than 10	7,950	100	1,350	4,300	1,100	1,100
10-19	6,650	1,250	3,550	800	500	500
20-29	3,150	1,850	850	150	100	250
30 or more	2,000	1,400	350	D	100	200
Male	26,400	11,000	6,900	5,700	1,600	1,200
Less than 10	7,650	S	1,650	4,700	700	550
10-19	6,950	2,450	3,250	650	450	200
20-29	5,350	3,750	1,000	150	150	350
30 or more	6,400	4,750	1,000	200	350	150
Engineer	31,100	11,600	7,250	6,650	1,550	4,050

TABLE 9-23

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
Female	5,400	1,400	1,300	1,350	450	900
Less than 10	2,350	D	250	1,150	250	650
10–19	1,700	400	850	200	100	150
20–29	1,050	750	150	D	100	100
30 or more	300	200	S	D	D	D
Male	25,700	10,200	5,900	5,300	1,100	3,150
Less than 10	8,050	50	950	4,450	450	2,150
10–19	6,500	1,800	3,200	750	200	600
20–29	6,100	4,500	1,150	150	150	200
30 or more	5,050	3,900	650	D	250	250
S&E-related occupations ^b	33,050	7,650	8,600	8,450	1,500	6,900
Female	17,950	3,600	4,900	5,000	1,050	3,350
Less than 10	7,600	100	1,300	3,450	650	2,100
10–19	5,450	1,050	2,300	1,250	150	700
20–29	3,450	1,600	1,000	250	200	400
30 or more	1,400	800	350	D	50	150
Male	15,150	4,050	3,650	3,400	450	3,550
Less than 10	4,650	D	400	1,850	200	2,150
10–19	4,300	550	1,750	1,300	150	550
20–29	3,200	1,450	1,050	200	D	450
30 or more	3,050	2,000	500	D	D	450
Non-S&E occupations	41,100	16,150	8,250	4,950	2,750	9,000
Female	18,000	5,650	3,700	2,500	1,500	4,700
Less than 10	5,050	300	750	1,650	500	1,800
10–19	6,050	1,700	1,750	550	450	1,600
20–29	4,250	2,200	750	200	250	900
30 or more	2,650	1,450	450	S	300	400
Male	23,100	10,500	4,550	2,450	1,250	4,300
Less than 10	3,800	100	700	1,700	550	800
10–19	5,400	1,500	1,950	550	250	1,150
20–29	6,900	3,850	1,300	150	250	1,300
30 or more	7,000	5,050	650	D	200	1,050

* = 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.

^a S&E occupations include S&E postsecondary teachers.

^b S&E-related occupations include health occupations.

Note(s)

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. S&E occupations include S&E postsecondary teachers. S&E-related occupations include health-related occupations (e.g. diagnosing practitioners, registered nurses, 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.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.