TABLE 23

U.S. residing employed doctoral scientists and engineers in 4-year educational institutions, by broad field of doctorate, primary work activity, and secondary work activity: 2021

(Number and SE)

Field of study and primary work activity	All employed		Secondary work activity													
			Computer applications		Design		Management, sales, or administration[a]		R&D[b]		Teaching		Other[c]		None	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All fields	340,950	2,450	11,150	575	5,250	400	82,050	1,300	130,850	1,800	64,850	1,400	15,100	675	31,700	1,000
Computer applications	3,250	275	na	na	300	75	400	75	1,950	225	200	75	100	75	300	100
Design	1,450	200	100	50	na	na	350	100	600	125	S	S	S	S	D	D
Management and administration	43,700	975	400	125	950	150	13,250	550	14,650	600	10,900	575	2,250	225	1,300	175
Research and development	136,300	1,475	7,750	475	3,100	300	31,650	875	33,750	1,100	47,550	1,175	3,900	350	8,600	475
Teaching	133,900	1,725	2,750	300	700	150	29,150	875	75,050	1,350	na	na	8,000	475	18,250	750
U.S. territories and other areas	22,350	825	150	50	200	75	7,250	450	4,850	350	6,050	375	700	175	3,150	375
Science	272,450	2,175	9,000	500	3,650	325	67,250	1,225	104,350	1,650	50,350	1,200	11,650	575	26,250	875
Computer applications	2,450	250	na	na	200	75	250	75	1,450	200	150	50	100	75	300	100
Design	900	150	S	S	na	na	300	75	400	100	50	25	D	D	D	D
Management and administration	34,950	875	400	125	650	125	10,500	525	11,950	575	8,650	500	1,800	225	1,050	150
Research and development	106,950	1,400	6,250	425	2,250	250	26,000	825	25,450	850	36,700	1,000	3,200	300	7,150	425
Teaching	108,150	1,550	2,200	225	400	100	23,800	750	61,000	1,200	na	na	5,850	400	14,950	625
U.S. territories and other areas	19,000	775	150	50	150	75	6,350	450	4,150	325	4,850	350	600	175	2,750	375
Biological, agricultural, and environmental life sciences	95,500	1,375	2,550	275	1,500	225	28,900	925	34,250	925	14,600	625	4,350	375	9,350	550
Computer applications	650	125	na	na	D	D	100	50	400	100	D	D	D	D	50	50
Design	250	100	D	D	na	na	50	25	100	75	D	D	D	D	D	D
Management and administration	13,200	575	S	S	250	100	3,900	325	5,500	450	2,300	225	700	125	300	75
Research and development	47,250	1,000	2,200	250	1,050	175	15,200	675	12,550	625	9,950	550	1,900	250	4,400	350
Teaching	25,450	825	50	50	D	D	7,050	475	13,350	550	na	na	1,550	225	3,350	300
U.S. territories and other areas	8,650	475	50	50	D	D	2,600	225	2,300	250	2,350	250	S	S	1,250	250
Computer and information sciences	11,850	450	1,250	200	150	50	2,150	250	4,600	375	2,600	300	250	100	850	175
Computer applications	400	100	na	na	D	D	D	D	200	75	D	D	D	D	50	25
Design	S	S	D	D	na	na	D	D	D	D	D	D	D	D	D	D
Management and administration	1,250	200	D	D	D	D	300	75	400	100	500	150	D	D	D	D
Research and development	4,500	325	450	125	S	S	750	200	1,150	200	2,000	250	S	S	100	50
Teaching	5,200	325	750	150	S	S	950	150	2,750	275	na	na	150	75	550	150
U.S. territories and other areas	450	125	D	D	D	D	150	75	S	S	S	S	D	D	100	50
Mathematics and statistics	20,250	625	1,200	200	100	50	3,350	300	7,800	425	4,950	400	750	125	2,150	200
Computer applications	200	75	na	na	D	D	D	D	150	75	D	D	D	D	D	D
Design	D	D	D	D	na	na	D	D	D	D	D	D	D	D	D	D
Management and administration	1,400	225	D	D	D	D	550	175	250	75	550	125	D	D	D	D
Research and development	6,950	425	450	150	*	*	600	150	1,150	200	4,250	375	D	D	350	100

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U.S. residing employed doctoral scientists and engineers in 4-year educational institutions, by broad field of doctorate, primary work activity, and secondary work activity: 2021

(Number and SE)

Field of study and primary work activity	All employed		Secondary work activity													
			Computer applications		Design		Management, sales, or administration[a]		R&D[b]		Teaching		Other[c]		None	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Teaching	11,250	425	750	150	D	D	2,000	225	6,200	350	na	na	600	100	1,650	175
U.S. territories and other areas	450	125	D	D	D	D	200	100	S	S	100	50	D	D	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	45,900	1,025	2,550	275	1,350	225	10,450	450	17,850	725	7,900	475	1,400	200	4,400	350
Computer applications	700	175	na	na	S	S	100	50	450	150	D	D	D	D	S	S
Design	250	75	D	D	na	na	100	50	100	50	D	D	D	D	D	D
Management and administration	5,850	400	100	50	200	75	1,500	200	2,250	250	1,350	175	250	125	200	75
Research and development	19,100	675	2,150	275	850	175	3,450	275	5,100	375	5,950	425	400	100	1,200	175
Teaching	18,100	600	300	75	150	75	4,650	325	9,550	475	na	na	700	150	2,800	300
U.S. territories and other areas	1,900	225	D	D	D	D	650	125	400	125	550	125	D	D	100	50
Psychology	38,700	800	300	75	350	75	10,900	550	13,800	625	7,200	400	2,800	350	3,400	325
Computer applications	150	75	na	na	D	D	D	D	S	S	D	D	D	D	D	D
Design	150	75	D	D	na	na	100	50	D	D	D	D	D	D	D	D
Management and administration	6,050	375	D	D	100	50	1,900	225	1,650	200	1,550	200	700	150	200	100
Research and development	11,600	525	250	75	200	75	3,350	275	2,450	325	4,550	325	400	125	350	100
Teaching	15,900	625	D	D	D	D	3,800	300	8,700	450	na	na	1,350	250	2,050	250
U.S. territories and other areas	4,850	350	D	D	D	D	1,700	250	850	175	1,150	175	350	125	800	200
Social sciences	60,250	950	1,100	200	250	75	11,500	575	26,000	750	13,100	575	2,150	275	6,100	350
Computer applications	300	100	na	na	D	D	D	D	150	75	D	D	D	D	S	S
Design	150	75	D	D	na	na	D	D	S	S	D	D	D	D	D	D
Management and administration	7,200	425	D	D	100	75	2,350	275	1,850	175	2,400	275	150	50	250	75
Research and development	17,550	625	750	150	100	50	2,650	225	3,050	275	10,050	450	300	100	700	150
Teaching	32,300	825	350	125	50	50	5,350	375	20,450	750	na	na	1,500	250	4,600	325
U.S. territories and other areas	2,750	275	D	D	D	D	1,050	200	450	100	650	100	D	D	450	125
Engineering	46,850	1,150	1,800	225	1,400	200	8,900	450	19,200	875	10,550	625	1,450	225	3,600	350
Computer applications	750	150	na	na	100	50	150	75	500	125	S	S	D	D	D	D
Design	500	150	D	D	na	na	S	S	200	75	D	D	D	D	D	D
Management and administration	5,300	375	D	D	250	75	1,500	200	1,900	250	1,400	200	100	50	150	75
Research and development	22,200	850	1,200	175	800	150	3,300	300	6,950	550	8,350	550	500	175	1,100	225
Teaching	16,200	600	500	150	250	100	3,350	300	9,200	500	na	na	750	150	2,100	275
U.S. territories and other areas	1,950	275	D	D	D	D	550	125	450	150	600	200	D	D	200	100
Health	21,600	600	350	125	200	75	5,950	375	7,350	425	3,900	275	2,000	250	1,900	225
Computer applications	S	S	na	na	D	D	D	D	D	D	D	D	D	D	D	D
Design	50	25	D	D	na	na	D	D	S	S	D	D	D	D	D	D

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			Computer applications		Design		Management, sales, or administration[a]		R&D[b]		Teaching		Other[c]		None	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Management and administration	3,450	275	D	D	S	S	1,250	175	800	150	850	125	300	100	150	50
Research and development	7,150	400	300	100	S	S	2,350	225	1,350	175	2,450	250	200	75	350	100
Teaching	9,550	450	D	D	D	D	2,000	200	4,850	375	na	na	1,450	225	1,200	200
U.S. territories and other areas	1,400	150	D	D	D	D	350	75	250	75	600	100	50	25	200	50

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. na = not applicable. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

[a] Administration includes accounting, finance, contracts, and human resources.

[b] R&D includes basic research, applied research, and experimental development.

[c] Includes production, operations, maintenance, professional services (e.g., health care, counseling, financial services, and legal services), and other activities not broken out separately.

Note(s):
Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. Four-year educational institutions include 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes. Primary and secondary work activities were self-defined by the respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" 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.