

TABLE 7. Doctoral scientists and engineers, by occupation and employment status: 2008

Occupation	Total	Employed			Unemployed	Retired	Not employed, not seeking work
		All	Full time	Part time			
All occupations	751,500	651,200	578,700	72,400	11,300	75,900	13,200
Science occupations	437,200	380,500	336,100	44,400	5,700	43,000	8,100
Biological/agricultural/other life scientists	135,200	118,700	110,300	8,400	2,100	11,400	3,000
Agricultural/food scientists	11,100	9,400	8,600	700	100	1,500	200
Biochemists/biophysicists	15,800	13,700	13,100	600	500	1,100	600
Biological scientists	23,700	20,800	19,400	1,400	400	2,000	600
Forestry/conservation scientists	1,900	1,500	1,400	100	D	300	D
Medical scientists	43,600	39,800	37,200	2,600	800	2,100	900
Postsecondary teachers, agricultural/other natural sciences	3,900	3,100	3,000	S	D	700	D
Postsecondary teachers, biological sciences	29,400	25,300	22,900	2,400	200	3,400	500
Other biological/agricultural/life scientists	5,800	5,100	4,600	500	S	400	200
Computer and information scientists	41,400	36,300	34,400	1,900	800	3,800	500
Computer/information scientists	33,400	29,200	27,700	1,500	800	3,000	400
Postsecondary teachers, computer science	7,900	7,100	6,700	300	D	800	D
Mathematical scientists	31,600	27,600	24,700	2,800	200	3,200	600
Mathematical scientists	14,500	13,100	12,000	1,100	200	900	300
Postsecondary teachers, mathematics/statistics	17,100	14,500	12,700	1,700	D	2,300	300
Physical scientists	90,800	76,900	70,600	6,400	1,500	11,200	1,300
Chemists, except biochemists	28,100	23,100	21,400	1,600	700	3,700	500
Earth/atmospheric/ocean scientists	12,200	10,500	9,600	900	200	1,300	200
Physicists/astronomers	15,500	13,300	12,200	1,100	300	1,700	200
Postsecondary teachers, chemistry	14,400	12,200	10,900	1,300	D	1,900	300
Postsecondary teachers, physics	9,700	8,400	7,600	700	D	1,300	D
Postsecondary teachers, other physical sciences	7,200	6,400	5,900	400	D	700	D
Other physical scientists	3,700	3,100	2,900	200	D	500	D
Psychologists	76,600	68,200	49,100	19,100	600	6,000	1,800
Psychologists	56,300	50,400	33,800	16,600	500	3,900	1,500
Postsecondary teachers, psychology	20,300	17,800	15,300	2,500	200	2,100	300
Social scientists	61,600	52,800	47,000	5,800	500	7,400	900
Economists	9,200	8,000	7,000	1,000	D	900	200
Political scientists	1,900	1,300	1,200	D	D	500	D
Postsecondary teachers, economics	8,800	7,600	6,700	900	D	1,100	D
Postsecondary teachers, political science	10,000	8,900	8,300	600	D	1,000	S
Postsecondary teachers, sociology	9,100	7,500	6,600	900	D	1,400	200
Postsecondary teachers, other social sciences	10,800	9,100	8,200	900	100	1,500	200
Sociologists/anthropologists	4,200	3,600	3,000	500	100	500	D
Other social scientists	7,700	7,000	6,000	1,000	D	500	100
Engineering occupations	96,200	84,500	78,700	5,700	1,400	9,200	1,100
Aerospace/aeronautical/astronautical engineers	6,200	5,400	5,000	400	D	600	D
Chemical engineers	8,700	7,100	6,700	400	300	1,200	100
Civil/architectural/sanitary engineers	5,200	4,700	4,400	300	D	300	100
Electrical engineers	20,700	18,900	17,800	1,100	300	1,400	200
Materials/metallurgical engineers	1,500	1,200	1,100	D	D	D	D
Mechanical engineers	10,500	9,300	8,500	800	S	1,100	D
Postsecondary teachers, engineering	18,700	16,400	15,700	700	D	2,100	S
Other engineers	24,700	21,500	19,600	2,000	400	2,500	300
Science/engineering-related occupations	85,300	75,200	68,800	6,400	1,400	7,600	1,100
Health occupations, except postsecondary teachers and managers	26,400	23,200	19,700	3,500	600	2,300	400
Postsecondary teachers, health and related sciences	19,800	17,800	16,300	1,500	200	1,600	200
Managers, including health	31,200	27,900	27,200	700	500	2,700	D
Precollege teachers	4,900	4,000	3,400	500	200	500	300

TABLE 7. Doctoral scientists and engineers, by occupation and employment status: 2008

Occupation	Total	Employed			Unemployed	Retired	Not employed, not seeking work
		All	Full time	Part time			
Technicians/technologists	2,400	2,000	1,800	300	D	200	D
Other S&E-related occupations	500	400	400	D	D	D	D
Non-science/non-engineering occupations	132,900	111,000	95,100	15,900	2,800	16,100	2,900
Arts/humanities-related occupations	7,400	5,900	3,500	2,400	200	900	400
Management-related occupations	23,600	20,600	17,000	3,700	500	2,000	400
Managers	54,100	45,000	43,500	1,500	900	7,900	300
Postsecondary teachers	15,000	12,900	11,000	1,900	100	1,700	300
Precollege/other teachers	1,900	1,400	1,000	400	D	200	200
Sales/marketing occupations	10,200	8,500	6,700	1,700	300	1,100	300
Social service-related occupations	5,900	5,100	3,600	1,500	D	500	200
Other non-S&E occupations	14,900	11,500	8,800	2,700	700	1,900	800

D = suppressed for confidentiality. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. If respondent was not employed during survey reference period, occupation when last employed was reported. Excludes 400 individuals who reported never having worked so could not be classified by occupation. Designation of full time and part time employment status is based on principal job only, not on all jobs held in labor force. For example, an individual could work part time in his/her principal job but full time in labor force. Prior to 2006 SDR, designation of full time and part time status was for all jobs held; thus data for 2003 and earlier are not comparable to data for 2006 and later.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2008.