

TABLE 25. Doctoral scientists and engineers, by occupation and employment status: 2003

Occupation	All fields	Employed			Unemployed	Retired	Not employed/ not seeking work
		Total	Full-time	Part-time			
All occupations	685,010	593,300	530,960	62,340	12,940	64,120	14,640
Science occupations	405,330	352,960	312,640	40,320	6,430	36,960	8,990
Biological, agricultural, and other life scientist	120,900	104,650	97,780	6,870	1,830	11,150	3,260
Agricultural/food scientist	9,930	8,200	7,720	480	140	1,470	110
Biochemist/biophysicist	16,140	13,920	13,250	660	380	1,280	570
Biological scientist	21,430	18,390	17,230	1,160	430	1,830	790
Forestry/conservation scientist	1,700	1,390	1,270	120	S	270	S
Medical scientist	32,170	28,860	27,280	1,580	610	1,840	860
Postsecondary teacher, agricultural/other natural sciences	5,270	4,410	4,320	90	S	800	60
Postsecondary teacher, biological sciences	27,990	24,280	21,840	2,440	110	3,180	420
Other biological/agricultural/life scientist	6,250	5,200	4,860	340	160	480	410
Computer and information scientist	38,460	34,410	32,100	2,310	1,200	2,200	650
Computer/information scientist	30,210	26,770	25,100	1,670	1,200	1,650	600
Postsecondary teacher, computer science	8,250	7,640	7,000	640	S	550	60
Mathematical scientist	26,080	22,460	20,470	1,990	370	2,840	400
Mathematical scientist	10,250	8,830	8,210	620	310	890	220
Postsecondary teacher, mathematics/statistics	15,830	13,640	12,260	1,380	50	1,950	190
Physical scientist	87,590	73,730	68,140	5,590	1,740	10,600	1,510
Chemist, except biochemist	29,400	23,700	21,990	1,710	1,010	3,930	750
Earth/atmospheric/ocean scientist	10,930	9,010	8,400	600	210	1,560	160
Physicist/astronomer	15,710	13,650	12,620	1,040	200	1,650	210
Postsecondary teacher, chemistry	13,140	11,400	10,500	900	90	1,460	190
Postsecondary teacher, physics	9,110	7,810	7,100	720	50	1,140	110
Postsecondary teacher, other physical sciences	6,820	6,020	5,650	370	S	720	S
Other physical scientist	2,470	2,130	1,880	250	150	140	60
Psychologist	74,060	67,110	49,530	17,580	560	4,270	2,120
Psychologist	54,540	49,600	34,440	15,160	440	2,780	1,720
Postsecondary teacher, psychology	19,520	17,510	15,090	2,420	120	1,480	400
Social scientist	58,250	50,590	44,620	5,970	730	5,900	1,040
Economist	8,790	7,720	6,970	750	70	840	170
Political scientist	2,000	1,450	1,070	380	S	470	60
Postsecondary teacher, economics	9,690	8,410	7,360	1,050	90	1,000	180
Postsecondary teacher, political science	9,470	8,470	7,590	870	S	910	70
Postsecondary teacher, sociology	8,320	7,140	6,300	840	50	1,080	50
Postsecondary teacher, other social sciences	10,030	9,010	7,900	1,100	70	810	150
Sociologist/anthropologist	5,130	4,130	3,590	540	250	600	150
Other social scientist	4,820	4,280	3,840	440	150	200	200
Engineering occupations	89,160	77,000	72,050	4,950	2,130	8,780	1,250
Aerospace/aeronautical/astronautical engineer	5,110	4,050	3,840	210	110	850	90
Chemical engineer	8,430	7,010	6,570	440	230	950	240
Civil/architectural/sanitary engineer	4,430	3,780	3,520	250	70	520	70
Electrical engineer	18,430	16,550	15,440	1,110	640	1,170	80
Materials/metallurgical engineer	1,580	1,340	1,260	80	50	120	70
Mechanical engineer	10,000	8,570	7,940	630	260	1,030	140
Postsecondary teacher, engineering	19,600	17,380	16,660	720	90	1,990	140
Other engineer	21,570	18,330	16,820	1,510	680	2,150	420
Science and engineering-related occupations	73,970	64,650	59,700	4,940	1,350	6,620	1,360
Health-related occupation, except postsecondary teacher	19,420	17,050	14,820	2,230	400	1,370	600
Postsecondary teacher, health and related sciences	19,560	17,330	16,030	1,300	80	1,890	260
S&E manager	25,980	23,060	22,530	520	400	2,350	180
S&E precollege teacher	3,800	3,240	2,690	550	100	320	130
S&E technician/technologist	4,780	3,560	3,280	270	360	700	160

TABLE 25. Doctoral scientists and engineers, by occupation and employment status: 2003

Occupation	All fields	Employed			Unemployed	Retired	Not employed/ not seeking work
		Total	Full-time	Part-time			
Other S&E-related occupation	440	410	350	60	S	S	S
Non-science and engineering occupations	116,540	98,700	86,570	12,130	3,030	11,760	3,050
Arts/humanities-related occupation	6,280	5,210	3,530	1,680	90	530	460
Management-related occupation	17,630	15,120	12,670	2,460	590	1,600	320
Non-S&E manager	51,680	44,320	43,120	1,190	1,150	5,750	470
Non-S&E postsecondary teacher	13,620	11,860	10,400	1,460	130	1,320	300
Non-S&E precollege/other teacher	3,100	2,400	1,320	1,080	160	290	250
Sales/marketing occupation	9,130	7,810	6,340	1,470	380	670	270
Social service-related occupation	3,920	3,390	2,570	820	60	230	240
Other non-S&E occupation	10,650	8,130	6,270	1,860	460	1,300	750

S = suppressed due to too few cases (fewer than 50 weighted cases).

S&E = science and engineering.

NOTES: If respondent was not employed during survey reference period, occupation of last job was reported. Numbers are rounded to nearest 10. Detail may not add to total because of rounding. Excludes estimated 291 individuals who reported never having worked so could not be classified by occupation.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2003 Survey of Doctorate Recipients.