

TABLE 36. Employed doctoral scientists and engineers, by occupation and years since doctorate: 2003

Occupation	Total	Number					More than 25
		5 or less	6–10	11–15	16–20	21–25	
All occupations	593,300	115,670	107,500	87,230	76,620	68,200	138,080
Science occupations	352,960	76,740	64,980	51,980	45,310	38,780	75,160
Biological, agricultural, and other life scientist	104,650	25,840	20,240	16,210	12,490	10,550	19,320
Agricultural/food scientist	8,200	1,410	1,090	1,730	1,370	820	1,790
Biochemist/biophysicist	13,920	4,310	3,050	1,990	1,350	1,160	2,060
Biological scientist	18,390	6,390	3,640	2,320	1,730	1,820	2,490
Forestry/conservation scientist	1,390	230	140	380	350	80	210
Medical scientist	28,860	7,910	6,400	4,070	3,640	3,030	3,810
Postsecondary teacher, agricultural/other natural sciences	4,410	670	720	750	550	540	1,180
Postsecondary teacher, biological sciences	24,280	2,900	4,230	4,190	3,090	2,740	7,130
Other biological/agricultural/life scientist	5,200	2,020	970	780	420	360	650
Computer and information scientist	34,410	8,410	8,500	5,120	3,690	3,480	5,210
Computer/information scientist	26,770	6,790	6,930	4,000	2,790	2,730	3,530
Postsecondary teacher, computer science	7,640	1,620	1,570	1,130	900	740	1,680
Mathematical scientist	22,460	4,500	3,960	3,340	2,700	2,010	5,950
Mathematical scientist	8,830	1,960	1,780	1,380	1,090	740	1,880
Postsecondary teacher, mathematics/statistics	13,640	2,530	2,190	1,960	1,600	1,270	4,080
Physical scientist	73,730	14,680	12,130	10,700	9,900	7,290	19,030
Chemist, except biochemist	23,700	5,270	4,570	3,450	3,190	2,360	4,850
Earth/atmospheric/ocean scientist	9,010	2,050	1,310	1,090	1,280	1,130	2,150
Physicist/astronomer	13,650	2,930	1,830	1,990	1,930	1,300	3,670
Postsecondary teacher, chemistry	11,400	1,710	1,800	1,580	1,530	850	3,930
Postsecondary teacher, physics	7,810	1,090	1,190	1,270	1,000	680	2,590
Postsecondary teacher, other physical sciences	6,020	960	1,100	1,030	900	680	1,360
Other physical scientist	2,130	660	340	300	70	280	480
Psychologist	67,110	12,090	11,500	10,060	10,000	9,440	14,010
Psychologist	49,600	8,760	8,370	8,000	8,020	7,200	9,240
Postsecondary teacher, psychology	17,510	3,330	3,130	2,060	1,980	2,240	4,770
Social scientist	50,590	11,230	8,650	6,540	6,540	6,000	11,630
Economist	7,720	1,580	1,530	1,110	960	880	1,660
Political scientist	1,450	280	280	130	100	120	540
Postsecondary teacher, economics	8,410	1,350	1,080	1,230	1,270	1,400	2,090
Postsecondary teacher, political science	8,470	1,860	1,450	1,030	920	1,100	2,110
Postsecondary teacher, sociology	7,140	1,590	980	1,010	790	1,010	1,750
Postsecondary teacher, other social sciences	9,010	2,110	1,680	1,130	1,290	740	2,070
Sociologist/anthropologist	4,130	990	730	510	750	500	640
Other social scientist	4,280	1,470	930	400	460	260	760
Engineering occupations	77,000	17,260	16,320	11,370	8,320	6,170	17,560
Aerospace/aeronautical/astronautical engineer	4,050	680	720	630	500	280	1,240
Chemical engineer	7,010	1,220	1,720	1,340	800	470	1,460
Civil/architectural/sanitary engineer	3,780	870	710	630	260	360	930
Electrical engineer	16,550	4,200	4,230	2,210	1,460	1,110	3,330
Materials/metallurgical engineer	1,340	170	310	210	240	80	320
Mechanical engineer	8,570	2,450	1,890	1,080	770	410	1,960
Postsecondary teacher, engineering	17,380	2,880	2,690	2,830	2,670	1,730	4,590
Other engineer	18,330	4,770	4,030	2,430	1,620	1,740	3,730
Science and engineering-related occupations	64,650	9,920	11,800	10,000	9,620	8,630	14,680
Health-related occupation, except postsecondary teacher	17,050	3,450	3,020	2,480	2,150	2,090	3,860
Postsecondary teacher, health and related sciences	17,330	3,050	3,020	3,080	2,460	2,020	3,700
S&E manager	23,060	1,870	4,210	3,500	4,220	3,800	5,470
S&E precollege teacher	3,240	500	550	510	480	470	730
S&E technician/technologist	3,560	970	960	440	240	200	740

TABLE 36. Employed doctoral scientists and engineers, by occupation and years since doctorate: 2003

Occupation	Total	5 or less	6–10	11–15	16–20	21–25	More than 25	
Other S&E-related occupation	410	70	S	S	60	50	180	
Non-science and engineering occupations	98,700	11,750	14,410	13,880	13,370	14,620	30,670	
Arts/humanities-related occupation	5,210	930	790	600	480	570	1,830	
Management-related occupation	15,120	2,280	2,680	2,090	2,000	2,420	3,650	
Non-S&E manager	44,320	2,580	5,500	6,230	6,640	7,710	15,650	
Non-S&E postsecondary teacher	11,860	2,740	1,860	1,530	1,490	1,250	2,980	
Non-S&E precollege/other teacher	2,400	340	460	500	440	200	450	
Sales/marketing occupation	7,810	990	1,150	820	1,110	1,090	2,640	
Social service-related occupation	3,390	750	480	520	480	330	820	
Other non-S&E occupation	8,130	1,030	1,390	1,560	690	980	2,480	
				Percent				
All occupations	100.0	19.5	18.1	14.7	12.9	11.5	23.3	
Science occupations	100.0	21.7	18.4	14.7	12.8	11.0	21.3	
Biological, agricultural, and other life scientist	100.0	24.7	19.3	15.5	11.9	10.1	18.5	
Agricultural/food scientist	100.0	17.2	13.3	21.1	16.6	10.0	21.8	
Biochemist/biophysicist	100.0	31.0	21.9	14.3	9.7	8.3	14.8	
Biological scientist	100.0	34.8	19.8	12.6	9.4	9.9	13.5	
Forestry/conservation scientist	100.0	16.6	9.9	27.3	25.5	5.6	15.0	
Medical scientist	100.0	27.4	22.2	14.1	12.6	10.5	13.2	
Postsecondary teacher, agricultural/other natural sciences	100.0	15.1	16.4	17.0	12.4	12.3	26.8	
Postsecondary teacher, biological sciences	100.0	12.0	17.4	17.3	12.7	11.3	29.4	
Other biological/agricultural/life scientist	100.0	38.8	18.7	15.0	8.0	6.9	12.5	
Computer and information scientist	100.0	24.4	24.7	14.9	10.7	10.1	15.2	
Computer/information scientist	100.0	25.3	25.9	14.9	10.4	10.2	13.2	
Postsecondary teacher, computer science	100.0	21.2	20.5	14.7	11.8	9.7	22.0	
Mathematical scientist	100.0	20.0	17.6	14.9	12.0	9.0	26.5	
Mathematical scientist	100.0	22.2	20.1	15.6	12.4	8.4	21.3	
Postsecondary teacher, mathematics/statistics	100.0	18.6	16.0	14.4	11.8	9.3	29.9	
Physical scientist	100.0	19.9	16.5	14.5	13.4	9.9	25.8	
Chemist, except biochemist	100.0	22.2	19.3	14.6	13.5	10.0	20.5	
Earth/atmospheric/ocean scientist	100.0	22.7	14.5	12.1	14.2	12.6	23.9	
Physicist/astronomer	100.0	21.5	13.4	14.6	14.1	9.6	26.9	
Postsecondary teacher, chemistry	100.0	15.0	15.8	13.8	13.4	7.5	34.5	
Postsecondary teacher, physics	100.0	13.9	15.2	16.2	12.8	8.8	33.1	
Postsecondary teacher, other physical sciences	100.0	16.0	18.2	17.0	14.9	11.3	22.6	
Other physical scientist	100.0	31.1	16.1	14.0	3.5	12.9	22.4	
Psychologist	100.0	18.0	17.1	15.0	14.9	14.1	20.9	
Psychologist	100.0	17.7	16.9	16.1	16.2	14.5	18.6	
Postsecondary teacher, psychology	100.0	19.0	17.9	11.8	11.3	12.8	27.2	
Social scientist	100.0	22.2	17.1	12.9	12.9	11.9	23.0	
Economist	100.0	20.5	19.8	14.4	12.5	11.4	21.5	
Political scientist	100.0	19.3	19.3	8.9	7.2	8.0	37.3	
Postsecondary teacher, economics	100.0	16.1	12.8	14.6	15.1	16.6	24.9	
Postsecondary teacher, political science	100.0	21.9	17.1	12.2	10.9	13.0	25.0	
Postsecondary teacher, sociology	100.0	22.3	13.7	14.2	11.1	14.1	24.6	
Postsecondary teacher, other social sciences	100.0	23.4	18.6	12.5	14.3	8.3	22.9	
Sociologist/anthropologist	100.0	24.0	17.7	12.3	18.3	12.1	15.6	
Other social scientist	100.0	34.4	21.6	9.3	10.6	6.1	17.8	
Engineering occupations	100.0	22.4	21.2	14.8	10.8	8.0	22.8	
Aerospace/aeronautical/astronautical engineer	100.0	16.9	17.8	15.7	12.3	6.8	30.5	
Chemical engineer	100.0	17.5	24.6	19.1	11.4	6.7	20.8	
Civil/architectural/sanitary engineer	100.0	23.1	18.9	16.8	6.9	9.5	24.7	

TABLE 36. Employed doctoral scientists and engineers, by occupation and years since doctorate: 2003

Occupation	Total	5 or less	6–10	11–15	16–20	21–25	More than 25
Electrical engineer	100.0	25.4	25.6	13.4	8.8	6.7	20.1
Materials/metallurgical engineer	100.0	12.7	23.3	15.8	17.9	6.3	24.0
Mechanical engineer	100.0	28.6	22.1	12.6	9.0	4.8	22.9
Postsecondary teacher, engineering	100.0	16.6	15.5	16.3	15.3	10.0	26.4
Other engineer	100.0	26.0	22.0	13.3	8.8	9.5	20.3
Science and engineering-related occupations	100.0	15.3	18.2	15.5	14.9	13.4	22.7
Health-related occupation, except postsecondary teacher	100.0	20.2	17.7	14.5	12.6	12.2	22.6
Postsecondary teacher, health and related sciences	100.0	17.6	17.4	17.8	14.2	11.7	21.3
S&E manager	100.0	8.1	18.3	15.2	18.3	16.5	23.7
S&E precollege teacher	100.0	15.4	16.8	15.7	14.8	14.6	22.6
S&E technician/technologist	100.0	27.4	27.0	12.3	6.9	5.6	20.7
Other S&E-related occupation	100.0	18.0	S	S	14.0	13.4	44.5
Non-science and engineering occupations	100.0	11.9	14.6	14.1	13.5	14.8	31.1
Arts/humanities-related occupation	100.0	17.9	15.1	11.6	9.2	11.0	35.2
Management-related occupation	100.0	15.1	17.8	13.8	13.3	16.0	24.1
Non-S&E manager	100.0	5.8	12.4	14.1	15.0	17.4	35.3
Non-S&E postsecondary teacher	100.0	23.1	15.7	12.9	12.5	10.6	25.1
Non-S&E precollege/other teacher	100.0	14.3	19.3	20.8	18.4	8.5	18.7
Sales/marketing occupation	100.0	12.7	14.7	10.5	14.2	14.0	33.8
Social service-related occupation	100.0	22.2	14.2	15.3	14.2	9.8	24.3
Other non-S&E occupation	100.0	12.7	17.1	19.2	8.5	12.0	30.5

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

S&E = science and engineering.

NOTES: Numbers are rounded to nearest 10. Detail may not add to total because of rounding.

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