

TABLE 34. Employed doctoral scientists and engineers, by occupation and citizenship status: 2003

Occupation	U.S. citizen				Non-U.S. citizen		
	Total	All	Native	Naturalized	All	Permanent resident	Temporary resident
			born				
Number							
All occupations	593,300	533,960	445,960	88,000	59,340	39,620	19,720
Science occupations	352,960	316,040	271,340	44,700	36,910	24,260	12,660
Biological, agricultural, and other life scientist	104,650	92,600	79,120	13,470	12,050	7,550	4,510
Agricultural/food scientist	8,200	7,110	6,270	840	1,090	790	300
Biochemist/biophysicist	13,920	11,700	9,150	2,550	2,220	1,530	690
Biological scientist	18,390	16,250	14,090	2,160	2,150	1,140	1,010
Forestry/conservation scientist	1,390	1,330	1,260	70	60	S	60
Medical scientist	28,860	24,690	20,070	4,630	4,170	2,740	1,430
Postsecondary teacher, agricultural/other natural sciences	4,410	4,180	3,860	320	230	90	140
Postsecondary teacher, biological sciences	24,280	22,990	20,840	2,150	1,280	910	380
Other biological/agricultural/life scientist	5,200	4,350	3,580	770	850	360	490
Computer and information scientist	34,410	26,970	19,130	7,840	7,440	5,440	2,000
Computer/information scientist	26,770	20,690	14,650	6,040	6,080	4,440	1,640
Postsecondary teacher, computer science	7,640	6,280	4,480	1,800	1,360	1,000	360
Mathematical scientist	22,460	18,970	15,090	3,880	3,490	2,240	1,250
Mathematical scientist	8,830	7,290	5,400	1,890	1,530	880	650
Postsecondary teacher, mathematics/statistics	13,640	11,680	9,690	1,990	1,960	1,360	600
Physical scientist	73,730	65,950	55,300	10,650	7,780	4,670	3,110
Chemist, except biochemist	23,700	20,590	15,960	4,630	3,110	1,890	1,220
Earth/atmospheric/ocean scientist	9,010	8,050	7,130	920	960	500	460
Physicist/astronomer	13,650	11,960	9,960	2,000	1,690	970	720
Postsecondary teacher, chemistry	11,400	10,850	9,820	1,030	550	320	230
Postsecondary teacher, physics	7,810	7,150	5,750	1,400	670	510	160
Postsecondary teacher, other physical sciences	6,020	5,510	5,090	420	510	350	150
Other physical scientist	2,130	1,840	1,580	270	290	120	170
Psychologist	67,110	65,690	62,200	3,480	1,420	1,150	280
Psychologist	49,600	48,820	46,090	2,730	780	630	140
Postsecondary teacher, psychology	17,510	16,870	16,110	750	650	510	130
Social scientist	50,590	45,870	40,500	5,360	4,730	3,210	1,510
Economist	7,720	6,490	5,460	1,030	1,220	730	490
Political scientist	1,450	1,390	1,210	180	60	S	S
Postsecondary teacher, economics	8,410	7,040	5,840	1,200	1,380	950	430
Postsecondary teacher, political science	8,470	8,040	7,180	860	420	360	70
Postsecondary teacher, sociology	7,140	6,660	6,040	620	480	330	150
Postsecondary teacher, other social sciences	9,010	8,230	7,260	970	780	610	170
Sociologist/anthropologist	4,130	4,000	3,810	190	130	80	S
Other social scientist	4,280	4,010	3,700	310	260	140	120
Engineering occupations	77,000	63,340	43,250	20,090	13,660	8,630	5,030
Aerospace/aeronautical/astronautical engineer	4,050	3,840	2,830	1,010	220	190	S
Chemical engineer	7,010	5,800	4,010	1,790	1,200	970	240
Civil/architectural/sanitary engineer	3,780	2,850	1,660	1,190	930	540	390
Electrical engineer	16,550	12,650	8,140	4,510	3,900	2,300	1,600
Materials/metallurgical engineer	1,340	1,080	760	320	260	170	90
Mechanical engineer	8,570	6,700	4,130	2,560	1,870	1,020	860
Postsecondary teacher, engineering	17,380	15,370	10,540	4,840	2,010	1,400	610
Other engineer	18,330	15,060	11,180	3,880	3,270	2,060	1,220
Science and engineering-related occupations	64,650	60,960	50,950	10,010	3,690	2,940	750
Health-related occupation, except postsecondary teacher	17,050	16,170	13,240	2,930	880	660	220
Postsecondary teacher, health and related sciences	17,330	16,460	14,490	1,970	870	740	130
S&E manager	23,060	21,890	18,150	3,740	1,170	1,010	160
S&E precollege teacher	3,240	3,020	2,590	430	220	170	S
S&E technician/technologist	3,560	3,040	2,210	830	520	330	190



TABLE 34. Employed doctoral scientists and engineers, by occupation and citizenship status: 2003

Occupation	Total	U.S. citizen		Non-U.S. citizen			
		All	Native born	Naturalized	All	Permanent resident	Temporary resident
Electrical engineer	100.0	76.4	49.2	27.3	23.6	13.9	9.7
Materials/metallurgical engineer	100.0	80.8	56.9	23.8	19.2	12.7	6.5
Mechanical engineer	100.0	78.2	48.2	29.9	21.8	11.9	10.0
Postsecondary teacher, engineering	100.0	88.4	60.6	27.8	11.6	8.0	3.5
Other engineer	100.0	82.2	61.0	21.2	17.8	11.2	6.6
Science and engineering-related occupations	100.0	94.3	78.8	15.5	5.7	4.6	1.2
Health-related occupation, except postsecondary teacher	100.0	94.9	77.7	17.2	5.1	3.8	1.3
Postsecondary teacher, health and related sciences	100.0	95.0	83.6	11.4	5.0	4.3	0.8
S&E manager	100.0	94.9	78.7	16.2	5.1	4.4	0.7
S&E precollege teacher	100.0	93.3	80.0	13.3	6.7	5.3	S
S&E technician/technologist	100.0	85.5	62.2	23.3	14.5	9.3	5.2
Other S&E-related occupation	100.0	91.6	64.2	27.4	S	S	S
Non-science and engineering occupations	100.0	94.9	81.5	13.4	5.1	3.8	1.3
Arts/humanities-related occupation	100.0	94.5	86.2	8.3	5.5	4.5	1.0
Management-related occupation	100.0	91.2	75.7	15.5	8.8	5.8	3.0
Non-S&E manager	100.0	96.6	82.7	13.8	3.4	2.9	0.5
Non-S&E postsecondary teacher	100.0	92.7	81.3	11.5	7.3	5.1	2.2
Non-S&E precollege/other teacher	100.0	95.0	82.6	12.4	5.0	3.5	S
Sales/marketing occupation	100.0	91.0	75.5	15.5	9.0	6.9	2.2
Social service-related occupation	100.0	99.2	86.8	12.4	S	S	S
Other non-S&E occupation	100.0	97.8	85.8	12.0	2.2	1.4	0.8

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.