

TABLE 29. Doctoral scientists and engineers, by occupation and sex: 2003

Occupation	Total	Male	Female	Total	Male	Female
	Number			Percent		
All occupations	685,010	501,110	183,900	100.0	73.2	26.8
Science occupations	405,330	286,130	119,200	100.0	70.6	29.4
Biological, agricultural, and other life scientist	120,900	82,340	38,560	100.0	68.1	31.9
Agricultural/food scientist	9,930	8,390	1,540	100.0	84.5	15.5
Biochemist/biophysicist	16,140	11,110	5,030	100.0	68.9	31.1
Biological scientist	21,430	13,630	7,800	100.0	63.6	36.4
Forestry/conservation scientist	1,700	1,380	320	100.0	81.1	18.9
Medical scientist	32,170	20,350	11,820	100.0	63.3	36.7
Postsecondary teacher, agricultural/other natural sciences	5,270	4,450	830	100.0	84.3	15.7
Postsecondary teacher, biological sciences	27,990	19,280	8,710	100.0	68.9	31.1
Other biological/agricultural/life scientist	6,250	3,740	2,510	100.0	59.8	40.2
Computer and information scientist	38,460	33,080	5,380	100.0	86.0	14.0
Computer/information scientist	30,210	26,030	4,180	100.0	86.2	13.8
Postsecondary teacher, computer science	8,250	7,050	1,200	100.0	85.5	14.5
Mathematical scientist	26,080	20,800	5,270	100.0	79.8	20.2
Mathematical scientist	10,250	8,140	2,110	100.0	79.4	20.6
Postsecondary teacher, mathematics/statistics	15,830	12,660	3,170	100.0	80.0	20.0
Physical scientist	87,590	74,710	12,880	100.0	85.3	14.7
Chemist, except biochemist	29,400	24,370	5,030	100.0	82.9	17.1
Earth/atmospheric/ocean scientist	10,930	9,630	1,310	100.0	88.1	11.9
Physicist/astronomer	15,710	14,590	1,120	100.0	92.9	7.1
Postsecondary teacher, chemistry	13,140	10,500	2,640	100.0	79.9	20.1
Postsecondary teacher, physics	9,110	8,060	1,050	100.0	88.4	11.6
Postsecondary teacher, other physical sciences	6,820	5,570	1,250	100.0	81.7	18.3
Other physical scientist	2,470	1,990	480	100.0	80.6	19.4
Psychologist	74,060	35,220	38,830	100.0	47.6	52.4
Psychologist	54,540	24,740	29,800	100.0	45.4	54.6
Postsecondary teacher, psychology	19,520	10,480	9,040	100.0	53.7	46.3
Social scientist	58,250	39,970	18,280	100.0	68.6	31.4
Economist	8,790	6,940	1,850	100.0	78.9	21.1
Political scientist	2,000	1,470	520	100.0	73.8	26.2
Postsecondary teacher, economics	9,690	8,120	1,570	100.0	83.8	16.2
Postsecondary teacher, political science	9,470	7,110	2,360	100.0	75.0	25.0
Postsecondary teacher, sociology	8,320	5,060	3,260	100.0	60.8	39.2
Postsecondary teacher, other social sciences	10,030	6,080	3,950	100.0	60.7	39.3
Sociologist/anthropologist	5,130	2,700	2,440	100.0	52.6	47.4
Other social scientist	4,820	2,490	2,330	100.0	51.7	48.3
Engineering occupations	89,160	81,310	7,850	100.0	91.2	8.8
Aerospace/aeronautical/astronautical engineer	5,110	4,880	220	100.0	95.6	4.4
Chemical engineer	8,430	7,520	920	100.0	89.1	10.9
Civil/architectural/sanitary engineer	4,430	4,230	200	100.0	95.6	4.4
Electrical engineer	18,430	17,000	1,440	100.0	92.2	7.8
Materials/metallurgical engineer	1,580	1,270	310	100.0	80.6	19.4
Mechanical engineer	10,000	9,410	590	100.0	94.1	5.9
Postsecondary teacher, engineering	19,600	18,070	1,530	100.0	92.2	7.8
Other engineer	21,570	18,920	2,650	100.0	87.7	12.3
Science and engineering-related occupations	73,970	50,370	23,600	100.0	68.1	31.9
Health-related occupation, except postsecondary teacher	19,420	11,730	7,690	100.0	60.4	39.6
Postsecondary teacher, health and related sciences	19,560	9,900	9,660	100.0	50.6	49.4
S&E manager	25,980	21,700	4,290	100.0	83.5	16.5
S&E precollege teacher	3,800	2,580	1,220	100.0	68.0	32.0
S&E technician/technologist	4,780	4,100	670	100.0	85.9	14.1
Other S&E-related occupation	440	360	80	100.0	82.1	17.9

TABLE 29. Doctoral scientists and engineers, by occupation and sex: 2003

Occupation	Total	Male	Female	Total	Male	Female
	Number			Percent		
Non-science and engineering occupations	116,540	83,300	33,240	100.0	71.5	28.5
Arts/humanities-related occupation	6,280	3,250	3,040	100.0	51.7	48.3
Management-related occupation	17,630	12,420	5,220	100.0	70.4	29.6
Non-S&E manager	51,680	40,590	11,090	100.0	78.5	21.5
Non-S&E postsecondary teacher	13,620	8,540	5,080	100.0	62.7	37.3
Non-S&E precollege/other teacher	3,100	1,360	1,740	100.0	44.0	56.0
Sales/marketing occupation	9,130	7,180	1,950	100.0	78.7	21.3
Social service-related occupation	3,920	2,280	1,640	100.0	58.2	41.8
Other non-S&E occupation	10,650	7,200	3,440	100.0	67.7	32.3

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.