

TABLE 6. Doctoral scientists and engineers, by field of doctorate and race/ethnicity: 2003

Field	Total	American	Asian	Black	Hispanic	White	Other/ unknown
		Indian/ Alaska Native					race/ ethnicity ^a
Number							
All fields	685,300	4,470	108,150	18,960	17,020	535,600	1,100
Science	542,240	3,860	68,180	15,230	14,010	440,070	890
Biological, agricultural, and environmental life sciences	168,780	1,110	24,750	3,880	4,160	134,550	320
Agricultural/food sciences	20,070	200	2,870	530	720	15,740	S
Biochemistry/biophysics	27,000	170	5,260	580	500	20,450	S
Cell/molecular biology	16,530	S	4,060	340	340	11,760	S
Environmental life sciences	6,590	S	540	80	180	5,750	S
Microbiology	13,290	S	1,840	330	340	10,710	50
Zoology	14,990	70	970	310	250	13,340	S
Other biological sciences	70,330	580	9,210	1,720	1,840	56,800	170
Computer and information sciences	12,680	S	4,090	380	260	7,910	S
Mathematics and statistics	33,510	160	6,250	640	790	25,600	50
Physical sciences	134,400	610	22,470	1,850	2,610	106,640	240
Astronomy/astrophysics	4,280	50	510	S	60	3,610	S
Chemistry, except biochemistry	69,460	290	12,520	1,340	1,440	53,710	160
Earth/atmospheric/ocean sciences	20,220	130	1,970	110	440	17,530	S
Physics	40,440	140	7,470	360	670	31,790	S
Psychology	102,280	990	2,800	4,000	3,470	90,880	140
Social sciences	90,580	950	7,810	4,470	2,720	74,490	140
Economics	25,440	160	3,580	770	690	20,220	S
Political sciences	20,520	170	1,170	1,380	520	17,260	S
Sociology	16,810	120	970	1,020	520	14,160	S
Other social sciences	27,810	490	2,100	1,300	980	22,850	90
Engineering	117,200	410	37,020	2,440	2,320	74,830	190
Aerospace/aeronautical/astronautical engineering	4,960	S	1,050	100	70	3,710	S
Chemical engineering	16,320	80	5,030	290	320	10,600	S
Civil engineering	10,490	S	2,800	360	260	6,990	S
Electrical/computer engineering	32,000	130	11,400	680	570	19,210	S
Materials/metallurgical engineering	12,300	70	4,060	170	280	7,680	S
Mechanical engineering	15,900	S	5,640	250	300	9,650	S
Other engineering	25,230	S	7,040	590	520	16,990	50
Health	25,850	200	2,950	1,290	690	20,710	S
Percent							
All fields	100.0	0.7	15.8	2.8	2.5	78.2	0.2
Sciences	100.0	0.7	12.6	2.8	2.6	81.2	0.2
Biological, agricultural, and environmental life sciences	100.0	0.7	14.7	2.3	2.5	79.7	0.2
Agricultural/food sciences	100.0	1.0	14.3	2.6	3.6	78.5	S
Biochemistry/biophysics	100.0	0.6	19.5	2.1	1.9	75.7	S
Cell/molecular biology	100.0	S	24.6	2.0	2.0	71.1	S
Environmental life sciences	100.0	S	8.2	1.2	2.7	87.2	S
Microbiology	100.0	S	13.9	2.4	2.6	80.6	0.4
Zoology	100.0	0.5	6.5	2.0	1.7	89.0	S
Other biological sciences	100.0	0.8	13.1	2.5	2.6	80.8	0.2
Computer and information sciences	100.0	S	32.2	3.0	2.1	62.3	S
Mathematics and statistics	100.0	0.5	18.7	1.9	2.4	76.4	0.2
Physical sciences	100.0	0.5	16.7	1.4	1.9	79.3	0.2
Astronomy/astrophysics	100.0	1.2	11.8	S	1.3	84.5	S

TABLE 6. Doctoral scientists and engineers, by field of doctorate and race/ethnicity: 2003

Field	Total	American Indian/ Alaska Native	Asian	Black	Hispanic	White	Other/ unknown race/ ethnicity ^a
Chemistry, except biochemistry	100.0	0.4	18.0	1.9	2.1	77.3	0.2
Earth/atmospheric/ocean sciences	100.0	0.6	9.8	0.5	2.2	86.7	S
Physics	100.0	0.3	18.5	0.9	1.6	78.6	S
Psychology	100.0	1.0	2.7	3.9	3.4	88.8	0.1
Social sciences	100.0	1.0	8.6	4.9	3.0	82.2	0.2
Economics	100.0	0.6	14.1	3.0	2.7	79.5	S
Political sciences	100.0	0.8	5.7	6.7	2.5	84.1	S
Sociology	100.0	0.7	5.8	6.0	3.1	84.2	S
Other social sciences	100.0	1.8	7.5	4.7	3.5	82.2	0.3
Engineering	100.0	0.4	31.6	2.1	2.0	63.8	0.2
Aerospace/aeronautical/astronautical engineering	100.0	S	21.3	2.0	1.5	74.9	S
Chemical engineering	100.0	0.5	30.8	1.7	1.9	65.0	S
Civil engineering	100.0	S	26.7	3.5	2.5	66.6	S
Electrical/computer engineering	100.0	0.4	35.6	2.1	1.8	60.0	S
Materials/metallurgical engineering	100.0	0.6	33.0	1.4	2.3	62.4	S
Mechanical engineering	100.0	S	35.5	1.6	1.9	60.7	S
Other engineering	100.0	S	27.9	2.3	2.0	67.3	0.2
Health	100.0	0.8	11.4	5.0	2.7	80.1	S

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

^a Includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

NOTES: Race/ethnicity data are for all doctorate recipients, including temporary residents. 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.