

TABLE 11. Employed doctoral scientists and engineers, by field of doctorate and age: 2003

Field	Total	Under 35	35-39	40-44	45-49	50-54	55-59	60-64	65-75
Number									
All fields	593,300	60,020	79,400	88,710	92,610	90,340	84,690	62,350	35,180
Science	468,570	45,650	59,880	66,850	74,460	73,950	69,740	50,500	27,550
Biological, agricultural, and environmental life sciences	145,760	15,190	21,110	22,440	25,890	22,890	18,280	13,080	6,880
Agricultural/food sciences	16,890	910	1,700	2,560	3,960	3,050	2,050	1,760	900
Biochemistry/biophysics	22,850	2,410	3,590	3,240	3,440	3,810	2,880	2,380	1,090
Cell/molecular biology	15,180	2,460	3,620	3,450	2,850	1,290	910	450	140
Environmental life sciences	5,620	420	710	700	990	930	1,050	710	90
Microbiology	10,970	900	1,620	1,700	1,660	1,620	1,390	1,100	990
Zoology	12,070	670	850	1,270	1,780	2,070	2,610	1,890	930
Other biological sciences	62,190	7,410	9,010	9,520	11,200	10,110	7,390	4,810	2,740
Computer and information sciences	11,960	1,990	2,360	2,940	2,210	1,540	750	150	S
Mathematics and statistics	28,330	2,970	3,990	3,290	3,580	3,820	4,500	4,210	1,970
Physical sciences	112,670	12,710	15,040	18,000	17,110	14,000	15,160	13,110	7,540
Astronomy/astrophysics	3,820	570	690	640	440	540	450	310	180
Chemistry, except biochemistry	57,040	7,310	7,540	9,310	9,000	6,780	7,180	6,490	3,410
Earth/atmospheric/ocean sciences	17,050	1,140	1,780	3,070	3,230	2,870	2,490	1,400	1,060
Physics	34,760	3,690	5,030	4,970	4,440	3,810	5,030	4,900	2,900
Psychology	91,410	7,720	9,310	11,120	14,030	17,670	16,990	8,680	5,900
Social sciences	78,450	5,060	8,080	9,080	11,640	14,030	14,050	11,270	5,240
Economics	22,060	1,790	2,530	2,730	3,580	3,390	3,990	2,850	1,200
Political sciences	17,730	1,300	2,130	2,150	2,330	2,800	3,100	2,560	1,350
Sociology	14,250	740	1,290	1,560	1,730	2,750	2,540	2,330	1,310
Other social sciences	24,410	1,230	2,120	2,630	4,000	5,090	4,430	3,530	1,390
Engineering	101,500	12,570	17,080	19,010	14,510	11,040	11,000	9,650	6,630
Aerospace/aeronautical/astronautical engineering	4,150	580	990	660	320	490	380	410	330
Chemical engineering	13,460	2,090	2,030	2,490	2,110	1,130	1,390	1,260	970
Civil engineering	9,170	770	1,340	1,650	1,230	1,030	1,410	1,100	640
Electrical/computer engineering	28,480	3,710	5,080	5,770	4,110	2,530	3,130	2,230	1,930
Materials/metallurgical engineering	10,820	1,430	2,130	2,220	1,690	1,360	610	910	470
Mechanical engineering	13,920	1,800	2,600	2,600	2,050	1,580	1,330	1,070	890
Other engineering	21,480	2,200	2,910	3,620	3,000	2,910	2,760	2,670	1,410
Health	23,230	1,810	2,440	2,850	3,630	5,350	3,950	2,200	990
Percent									
All fields	100.0	10.1	13.4	15.0	15.6	15.2	14.3	10.5	5.9
Science	100.0	9.7	12.8	14.3	15.9	15.8	14.9	10.8	5.9
Biological, agricultural, and environmental life sciences	100.0	10.4	14.5	15.4	17.8	15.7	12.5	9.0	4.7
Agricultural/food sciences	100.0	5.4	10.1	15.2	23.5	18.1	12.1	10.4	5.3
Biochemistry/biophysics	100.0	10.6	15.7	14.2	15.1	16.7	12.6	10.4	4.8
Cell/molecular biology	100.0	16.2	23.8	22.8	18.8	8.5	6.0	3.0	0.9
Environmental life sciences	100.0	7.5	12.7	12.5	17.6	16.6	18.8	12.7	1.7
Microbiology	100.0	8.2	14.7	15.5	15.1	14.8	12.7	10.0	9.0
Zoology	100.0	5.5	7.0	10.5	14.7	17.2	21.6	15.6	7.7
Other biological sciences	100.0	11.9	14.5	15.3	18.0	16.3	11.9	7.7	4.4
Computer and information sciences	100.0	16.7	19.7	24.5	18.5	12.9	6.2	1.3	S
Mathematics and statistics	100.0	10.5	14.1	11.6	12.6	13.5	15.9	14.9	7.0
Physical sciences	100.0	11.3	13.3	16.0	15.2	12.4	13.5	11.6	6.7
Astronomy/astrophysics	100.0	15.0	18.1	16.7	11.6	14.0	11.8	8.3	4.6
Chemistry, except biochemistry	100.0	12.8	13.2	16.3	15.8	11.9	12.6	11.4	6.0
Earth/atmospheric/ocean sciences	100.0	6.7	10.4	18.0	18.9	16.9	14.6	8.2	6.2
Physics	100.0	10.6	14.5	14.3	12.8	10.9	14.5	14.1	8.3

TABLE 11. Employed doctoral scientists and engineers, by field of doctorate and age: 2003

Field	Total	Under 35	35-39	40-44	45-49	50-54	55-59	60-64	65-75
Psychology	100.0	8.4	10.2	12.2	15.3	19.3	18.6	9.5	6.4
Social sciences	100.0	6.5	10.3	11.6	14.8	17.9	17.9	14.4	6.7
Economics	100.0	8.1	11.5	12.4	16.2	15.4	18.1	12.9	5.4
Political sciences	100.0	7.4	12.0	12.1	13.1	15.8	17.5	14.4	7.6
Sociology	100.0	5.2	9.1	11.0	12.2	19.3	17.8	16.3	9.2
Other social sciences	100.0	5.0	8.7	10.8	16.4	20.8	18.1	14.5	5.7
Engineering	100.0	12.4	16.8	18.7	14.3	10.9	10.8	9.5	6.5
Aerospace/aeronautical/astronautical engineering	100.0	13.9	23.7	15.9	7.7	11.9	9.1	9.8	8.0
Chemical engineering	100.0	15.5	15.1	18.5	15.7	8.4	10.3	9.4	7.2
Civil engineering	100.0	8.4	14.6	18.0	13.4	11.2	15.4	12.0	7.0
Electrical/computer engineering	100.0	13.0	17.8	20.3	14.4	8.9	11.0	7.8	6.8
Materials/metallurgical engineering	100.0	13.2	19.7	20.6	15.6	12.6	5.6	8.4	4.3
Mechanical engineering	100.0	13.0	18.7	18.7	14.7	11.4	9.5	7.7	6.4
Other engineering	100.0	10.2	13.6	16.8	14.0	13.6	12.8	12.4	6.6
Health	100.0	7.8	10.5	12.3	15.6	23.0	17.0	9.5	4.3

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

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.