

TABLE 15. Employed doctoral scientists and engineers, by field of doctorate and primary or secondary work activity: 2006

Field	All employed	Research and development					Computer applications	Management, sales, administration	Professional services	Teaching	Other
		Any R&D	Applied research	Basic research	Design	Development					
Number											
All fields	621,630	386,480	204,820	150,240	38,660	87,110	47,650	258,910	99,310	188,140	48,260
Science	488,860	294,880	151,810	135,120	21,140	52,970	32,170	203,940	87,290	158,550	36,790
Biological, agricultural, and environmental life sciences	155,990	104,880	52,700	58,020	3,780	15,940	5,330	71,380	22,050	42,510	11,980
Agricultural/food sciences	16,850	11,070	8,290	2,720	250	2,870	530	8,370	1,330	4,160	1,760
Biochemistry/biophysics	24,190	17,240	6,920	10,590	640	3,270	980	11,680	3,420	5,220	1,360
Cell/molecular biology	16,920	11,890	4,830	8,260	170	1,690	430	7,600	2,280	3,610	1,530
Environmental life sciences	6,190	4,030	3,330	850	270	540	360	3,150	420	1,660	750
Microbiology	10,990	6,980	3,210	4,260	240	1,210	210	5,480	1,590	2,550	980
Zoology	9,720	6,050	3,120	3,340	180	360	280	4,510	1,200	3,970	810
Other biological sciences	71,120	47,610	23,000	27,990	2,020	6,000	2,530	30,600	11,800	21,340	4,800
Computer and information sciences	13,580	9,440	5,060	2,690	1,380	2,190	4,490	4,220	510	4,270	760
Mathematics and statistics	29,170	19,090	7,930	9,220	2,350	2,130	5,510	7,840	1,220	14,720	2,000
Physical sciences	113,330	78,110	39,430	30,360	9,660	23,990	11,780	46,970	7,410	27,830	8,990
Astronomy/astrophysics	4,240	3,310	830	2,250	400	440	1,000	1,400	160	1,340	230
Chemistry, except biochemistry	57,450	37,780	21,390	12,040	3,310	14,880	2,410	27,260	4,230	12,440	5,430
Earth/atmospheric/ocean sciences	17,340	12,190	6,320	6,630	880	1,440	1,880	6,690	1,090	5,790	1,210
Physics	34,310	24,830	10,880	9,450	5,070	7,230	6,500	11,630	1,930	8,270	2,120
Psychology	96,570	34,860	20,160	12,690	2,040	4,770	2,080	43,070	47,590	27,510	6,530
Social sciences	80,220	48,500	26,540	22,140	1,940	3,960	2,980	30,460	8,510	41,700	6,530
Economics	21,780	14,590	10,080	5,280	680	710	1,310	8,100	2,440	9,280	1,750
Political sciences	18,010	9,760	4,150	5,400	370	860	470	7,340	1,830	10,160	1,570
Sociology	14,960	9,470	4,880	4,610	220	760	470	5,520	1,170	8,690	1,030
Other social sciences	25,470	14,680	7,430	6,860	670	1,630	730	9,510	3,080	13,580	2,170
Engineering	106,520	77,390	42,610	11,800	16,910	31,380	14,810	43,150	6,430	19,100	9,380
Aerospace/aeronautical/astronautical engineering	4,750	3,610	1,800	660	800	1,400	900	1,760	320	760	410
Chemical engineering	14,210	9,960	5,180	1,510	2,140	4,950	1,610	6,190	1,110	1,830	1,420
Civil engineering	9,530	6,450	3,740	930	2,210	1,080	970	4,110	970	2,580	830
Electrical/computer engineering	30,080	23,030	12,250	2,830	5,340	10,480	5,450	11,090	1,080	5,440	1,980
Materials/metallurgical engineering	11,000	8,060	4,690	1,290	1,140	4,230	430	5,030	480	1,260	1,520
Mechanical engineering	15,030	11,150	5,930	1,750	2,870	4,600	2,230	5,790	790	2,580	1,290
Other engineering	21,910	15,120	9,030	2,830	2,410	4,640	3,220	9,180	1,680	4,650	1,930
Health	26,250	14,210	10,400	3,310	600	2,760	670	11,820	5,590	10,500	2,080
Percent											
All fields	621,630	62.2	32.9	24.2	6.2	14.0	7.7	41.7	16.0	30.3	7.8
Science	488,860	60.3	31.1	27.6	4.3	10.8	6.6	41.7	17.9	32.4	7.5

TABLE 15. Employed doctoral scientists and engineers, by field of doctorate and primary or secondary work activity: 2006

Field	All employed	Research and development					Computer applications	Management, sales, administration	Professional services	Teaching	Other
		Any R&D	Applied research	Basic research	Design	Development					
Biological, agricultural, and environmental life sciences	155,990	67.2	33.8	37.2	2.4	10.2	3.4	45.8	14.1	27.3	7.7
Agricultural/food sciences	16,850	65.7	49.2	16.1	1.5	17.0	3.2	49.6	7.9	24.7	10.5
Biochemistry/biophysics	24,190	71.3	28.6	43.8	2.7	13.5	4.0	48.3	14.1	21.6	5.6
Cell/molecular biology	16,920	70.3	28.5	48.8	1.0	10.0	2.6	44.9	13.5	21.3	9.0
Environmental life sciences	6,190	65.2	53.9	13.8	4.4	8.7	5.8	50.8	6.8	26.8	12.1
Microbiology	10,990	63.5	29.2	38.7	2.2	11.0	1.9	49.9	14.4	23.2	8.9
Zoology	9,720	62.2	32.1	34.4	1.9	3.7	2.9	46.4	12.3	40.8	8.3
Other biological sciences	71,120	66.9	32.3	39.4	2.8	8.4	3.6	43.0	16.6	30.0	6.8
Computer and information sciences	13,580	69.5	37.3	19.8	10.2	16.2	33.0	31.1	3.7	31.5	5.6
Mathematics and statistics	29,170	65.5	27.2	31.6	8.0	7.3	18.9	26.9	4.2	50.5	6.9
Physical sciences	113,330	68.9	34.8	26.8	8.5	21.2	10.4	41.4	6.5	24.6	7.9
Astronomy/astrophysics	4,240	78.1	19.7	53.0	9.5	10.4	23.6	33.0	3.8	31.5	5.5
Chemistry, except biochemistry	57,450	65.8	37.2	21.0	5.8	25.9	4.2	47.5	7.4	21.6	9.5
Earth/atmospheric/ocean sciences	17,340	70.3	36.5	38.2	5.1	8.3	10.8	38.6	6.3	33.4	7.0
Physics	34,310	72.4	31.7	27.5	14.8	21.1	18.9	33.9	5.6	24.1	6.2
Psychology	96,570	36.1	20.9	13.1	2.1	4.9	2.2	44.6	49.3	28.5	6.8
Social sciences	80,220	60.5	33.1	27.6	2.4	4.9	3.7	38.0	10.6	52.0	8.1
Economics	21,780	67.0	46.3	24.2	3.1	3.2	6.0	37.2	11.2	42.6	8.0
Political sciences	18,010	54.2	23.0	30.0	2.0	4.8	2.6	40.8	10.2	56.4	8.7
Sociology	14,960	63.3	32.6	30.8	1.5	5.1	3.1	36.9	7.8	58.1	6.9
Other social sciences	25,470	57.6	29.2	26.9	2.6	6.4	2.9	37.3	12.1	53.3	8.5
Engineering	106,520	72.7	40.0	11.1	15.9	29.5	13.9	40.5	6.0	17.9	8.8
Aerospace/aeronautical/astronautical engineering	4,750	76.0	38.0	13.8	16.9	29.4	19.0	36.9	6.7	15.9	8.6
Chemical engineering	14,210	70.1	36.4	10.6	15.1	34.8	11.3	43.6	7.8	12.8	10.0
Civil engineering	9,530	67.7	39.2	9.8	23.2	11.3	10.1	43.2	10.1	27.1	8.7
Electrical/computer engineering	30,080	76.5	40.7	9.4	17.8	34.8	18.1	36.9	3.6	18.1	6.6
Materials/metallurgical engineering	11,000	73.3	42.7	11.8	10.3	38.5	3.9	45.7	4.3	11.5	13.8
Mechanical engineering	15,030	74.2	39.4	11.6	19.1	30.6	14.9	38.5	5.3	17.2	8.6
Other engineering	21,910	69.0	41.2	12.9	11.0	21.2	14.7	41.9	7.7	21.2	8.8
Health	26,250	54.2	39.6	12.6	2.3	10.5	2.5	45.0	21.3	40.0	7.9

NOTES: Numbers are rounded to nearest 10. Detail may exceed total due to multiple responses. Primary and secondary work activities were self-defined by respondent in response to question "On which two activities...did you work the most hours during a typical week on this job?"

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Doctorate Recipients: 2006.