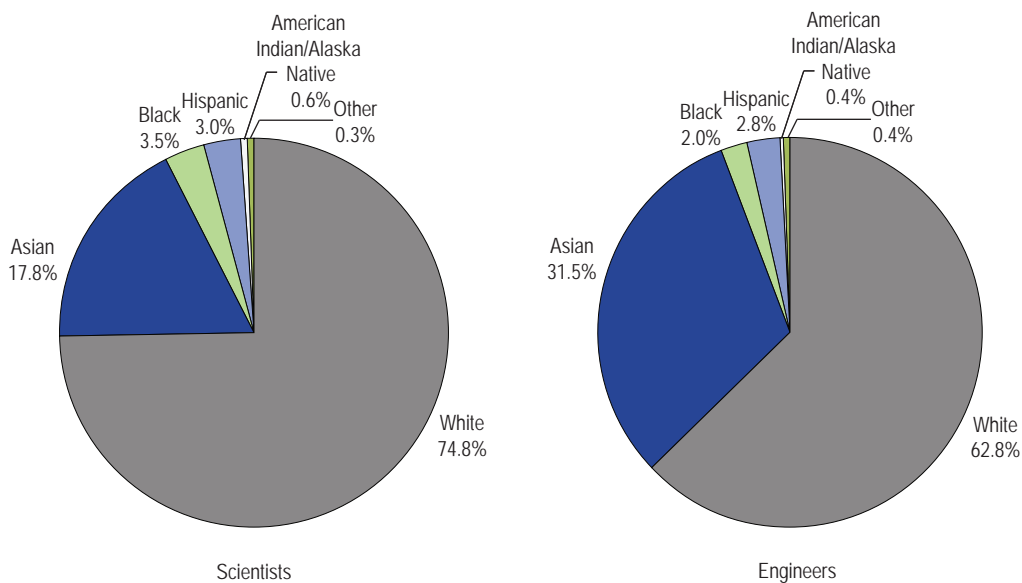


FIGURE H-1. Employed doctoral scientists and engineers, by race/ethnicity and occupation: 2003



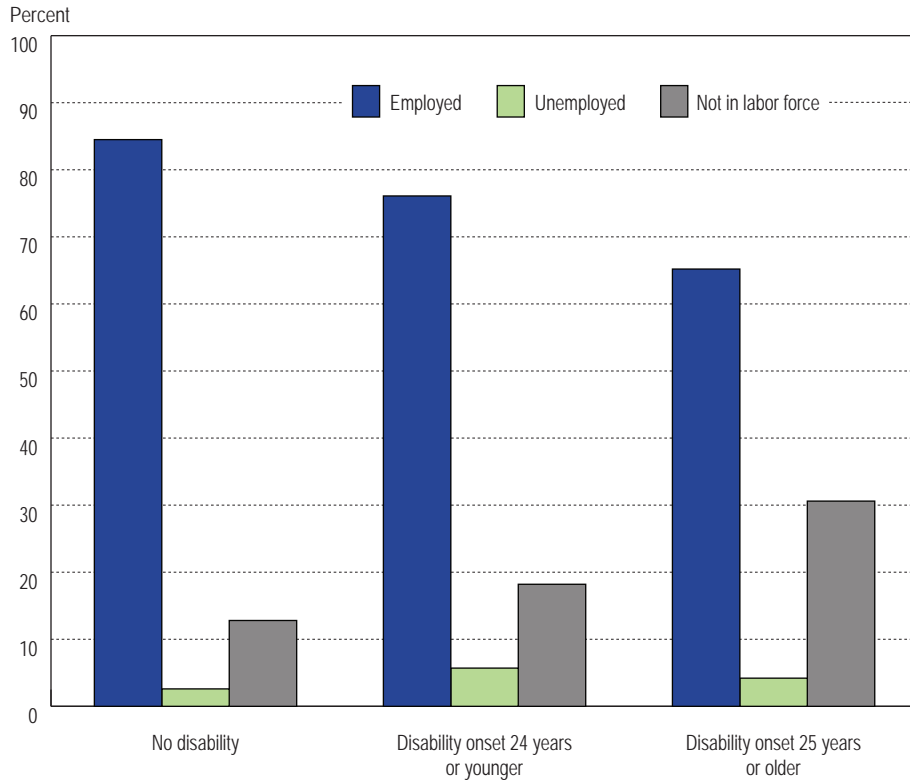
NOTE: Other includes Native Hawaiian/other Pacific Islander and multiple race.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

The racial/ethnic composition of doctoral engineers differs markedly from that of doctoral scientists.

- Asians comprised a far larger share and whites a much smaller share of doctoral engineers than of doctoral scientists in 2003.
- Blacks and Hispanics each constituted 3–4 percent of doctoral scientists and 2–3 percent of doctoral engineers.
- American Indians/Alaska Natives were 0.6 percent of doctoral scientists and 0.4 percent of doctoral engineers in 2003.

FIGURE H-2. Employment status of scientists and engineers, by disability status and age at onset of disability: 2003

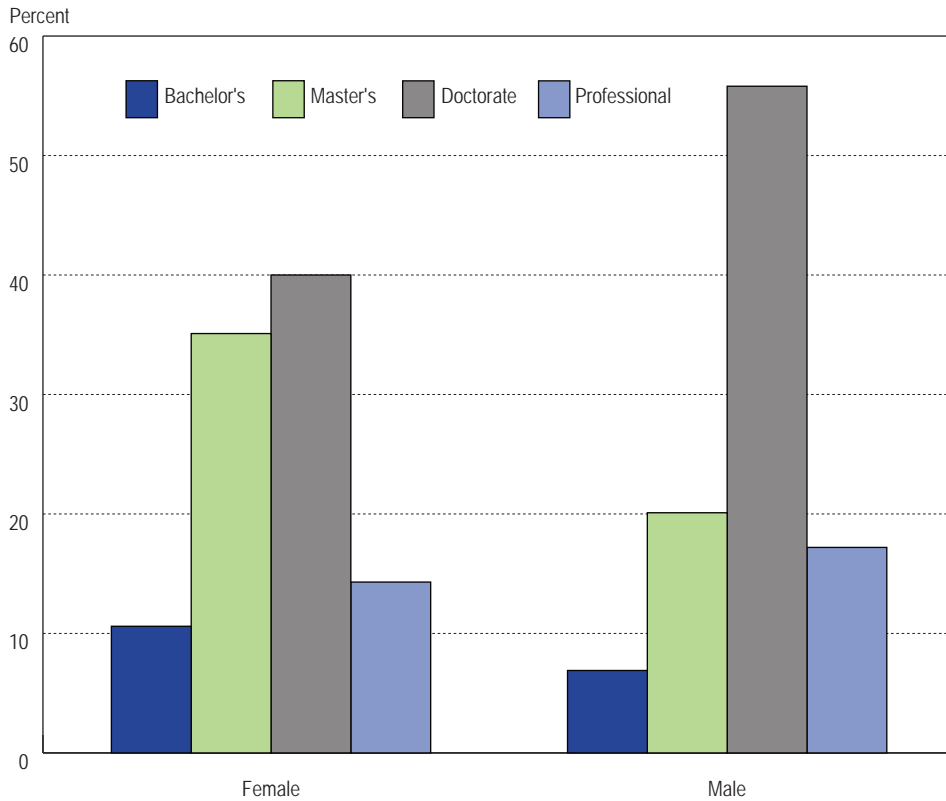


SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

The labor force participation rates of scientists and engineers with and without disabilities are quite different, and among those with disabilities, age at onset is related to labor force participation.

- Almost a third (31 percent) of scientists and engineers whose disability occurred at age 25 or older were out of the labor force, compared with 18 percent of those whose disability occurred before age 25 and 13 percent of those without disabilities.
- Almost 6 percent of scientists and engineers whose disability occurred before age 25 and 4 percent of those whose disability occurred at age 25 or older were unemployed, compared with 3 percent of those without disabilities.

FIGURE H-3. Science and engineering faculty, by sex and highest degree: 2003



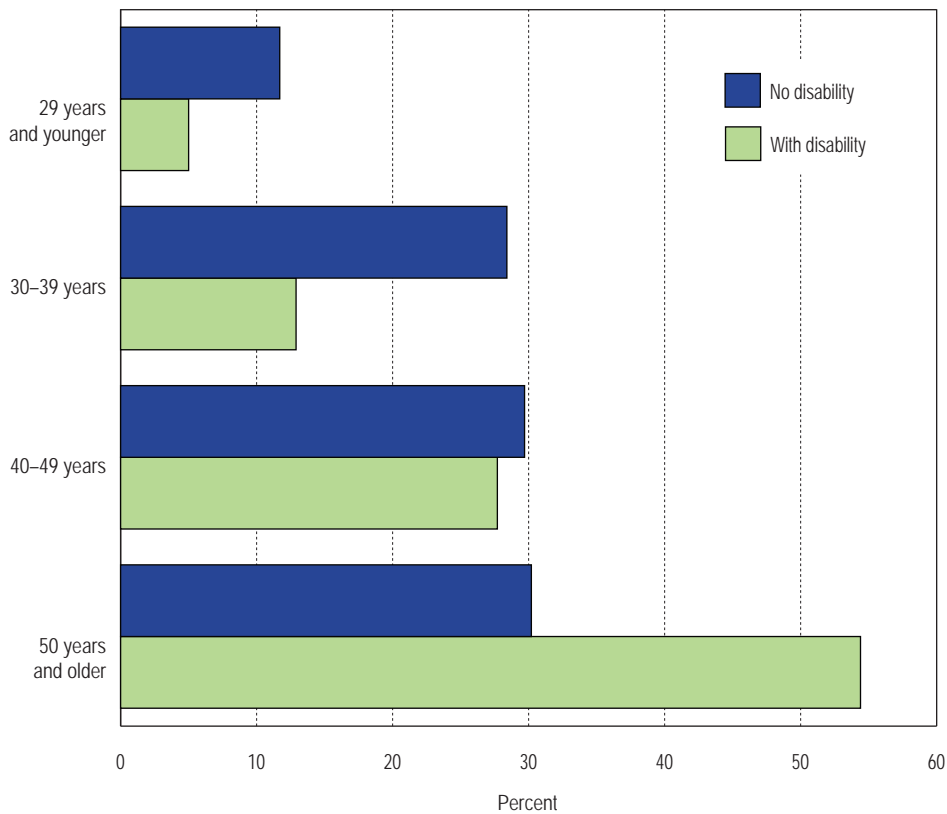
NOTE: Includes full, associate, and assistant professors and instructors.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Male science and engineering faculty are more likely than their female counterparts to have doctoral degrees.

- More than half (56 percent) of male S&E faculty have doctoral degrees, compared with 40 percent of female S&E faculty.
- Thirty-five percent of female S&E faculty, compared with 20 percent of male S&E faculty, have a master's as the highest degree.

FIGURE H-4. Age distribution of employed scientists and engineers, by disability status: 2003

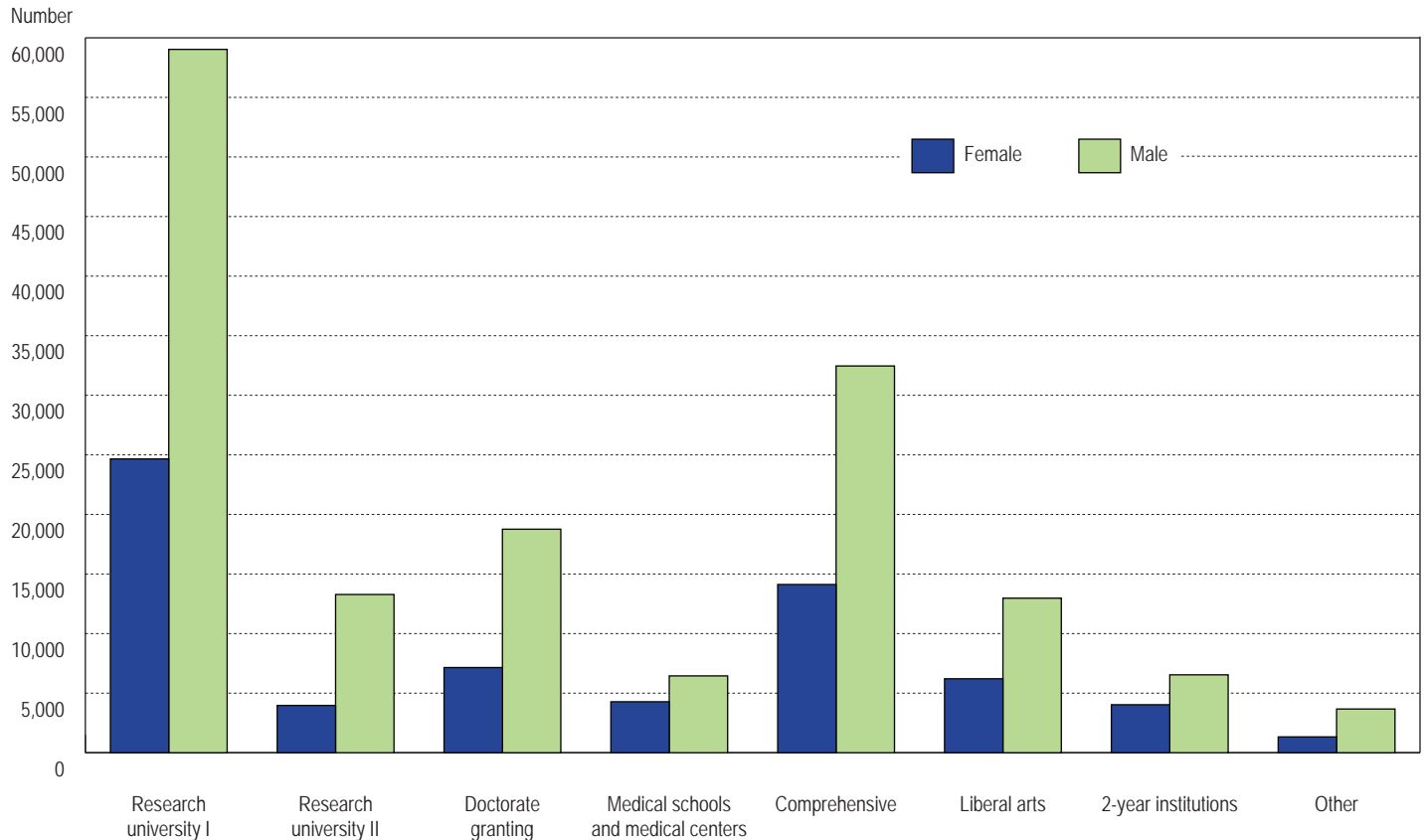


SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Employed scientists and engineers with disabilities are older, on average, than those without disabilities.

- Only 5 percent of employed scientists and engineers with disabilities were 29 or younger in 2003, compared with 12 percent of those without disabilities.
- Conversely, 54 percent of those with disabilities and 30 percent of those without were 50 or older.

FIGURE H-5. Doctoral science and engineering faculty, by sex and Carnegie classification of employer: 2003



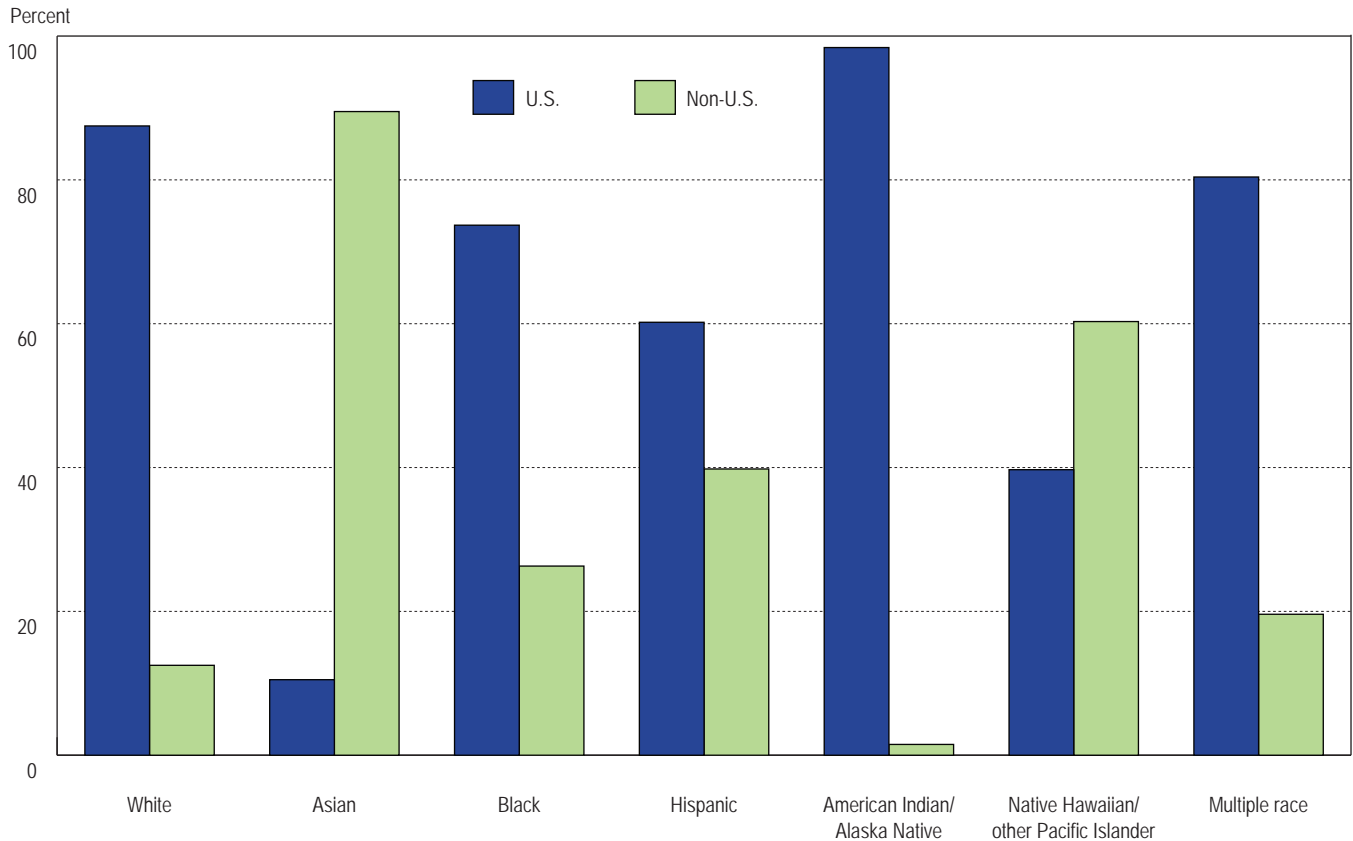
NOTE: Includes full, associated, and assistant professors and instructors.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Male doctoral S&E faculty outnumber female S&E faculty by more than 2 to 1.

- Research I institutions were the largest employer of male and female doctoral S&E faculty in 2003.
- Almost 60,000 male doctoral S&E faculty were employed in Research I institutions in 2003, compared with about 25,000 female S&E faculty.
- Comprehensive institutions employed 32,000 male doctoral S&E faculty and 14,000 female S&E faculty.

FIGURE H-6. Doctoral science and engineering faculty, by race/ethnicity and country of birth: 2003



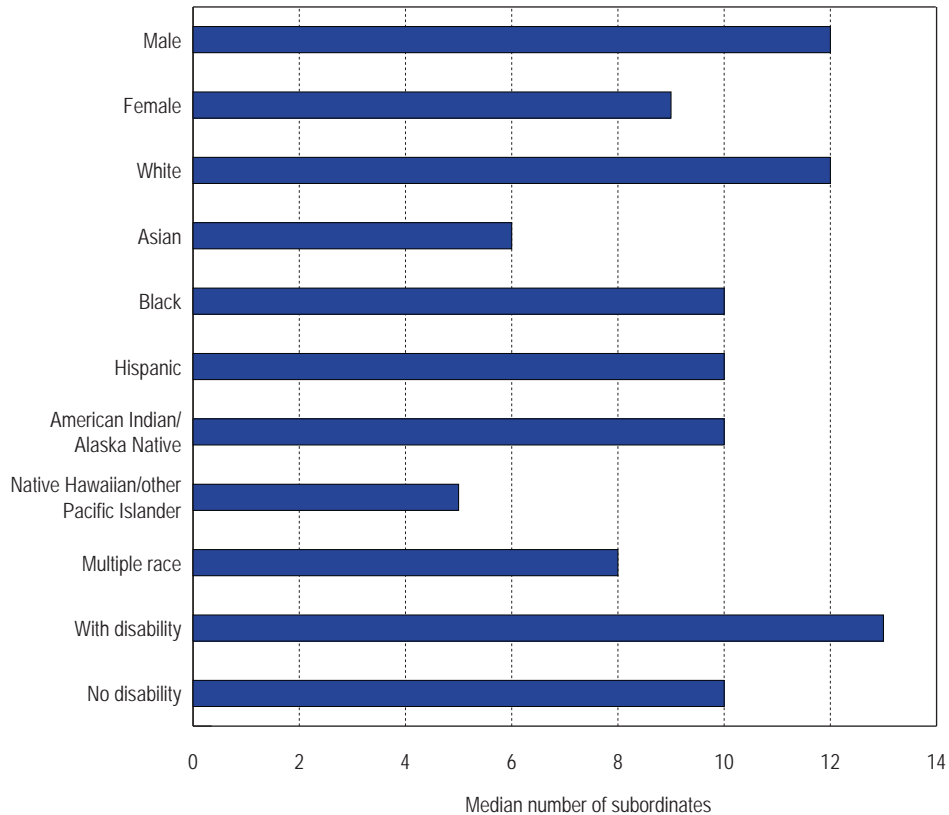
NOTE: Includes full, associate, and assistant professors and instructors.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Substantial percentages of some doctoral S&E faculty were born outside the United States.

- A majority of Asian (90 percent) and Native Hawaiian/other Pacific Islander (60 percent), and 40 percent of Hispanic doctoral S&E faculty were born outside the United States.
- More than 80 percent of white, American Indian/Alaska Native, and multiple race doctoral S&E faculty were born in the United States.

FIGURE H-7. Median number of subordinates of scientists and engineers employed in business or industry, by sex, race/ethnicity, and disability status: 2003



NOTE: Includes only those with supervisory status.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Among supervisory scientists and engineers in business or industry, minorities, women, and those without disabilities have fewer subordinates than do whites, men, or those with disabilities.

- Men, on average, have 12 subordinates, compared to 9 for women.
- Asians and Native Hawaiians/other Pacific Islanders, have the fewest subordinates, 6 and 5, respectively, compared with 10 for blacks, Hispanics, and American Indians/Alaska Natives, and 12 for whites.
- Scientists and engineers with disabilities have, on average, 13 subordinates, compared with 10 for those without disabilities.
- Age differences are likely to account for some of these differences.

TABLE H-1. Employed persons 16 years and older, by detailed occupation: Selected years, 1984–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
All occupations	105,005	109,597	114,968	118,793	118,492	123,060	126,708	131,463	135,208	136,485	139,252
Managers and professionals	24,858	26,554	29,190	30,602	31,085	33,847	36,497	38,937	40,887	42,482	45,445
Executives, administrators, and managers	11,571	12,642	14,216	14,802	14,722	16,312	17,746	19,054	19,774	20,561	20,235
Professional specialty	13,793	14,460	15,544	16,400	16,916	18,085	19,313	20,496	21,812	22,526	25,210
Engineers, architects, and surveyors	1,758	1,906	1,971	2,038	1,908	2,030	2,140	2,224	2,326	2,249	2,760
Architect	107	132	143	142	137	141	160	158	215	197	207
Engineer	1,627	1,749	1,805	1,868	1,754	1,866	1,960	2,052	2,093	2,028	1,819
Aerospace engineer	80	93	115	110	88	75	80	86	78	90	113
Chemical engineer	56	59	65	70	71	56	95	69	85	77	63
Civil engineer	223	233	218	235	217	240	243	296	288	267	293
Computer hardware engineer	na	na	na	na	na	na	na	na	na	na	96
Electrical and electronic engineer	491	550	573	587	530	556	601	629	725	677	343
Industrial engineer	192	203	221	204	204	245	257	262	244	235	177
Mechanical engineer	268	287	297	316	304	341	350	335	342	301	311
Other engineer	317	324	316	346	340	353	334	375	331	381	193
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	1,929	2,026	2,154	2,313	2,511	2,708	2,812	2,898	2,966	3,267	3,515
Audiologist	na	na	na	na	na	na	na	na	na	na	S
Chiropractor	na	na	na	na	na	na	na	na	na	na	73
Dietitian	70	73	74	83	90	86	105	90	97	74	84
Pharmacist	162	162	168	171	198	182	184	180	208	231	233
Physicians' assistant	S	S	54	67	S	53	63	68	72	89	70
Registered nurse	1,402	1,488	1,559	1,667	1,799	1,956	1,986	2,032	2,111	2,311	2,464
Therapist	251	257	298	325	381	430	474	528	478	562	574
Occupational therapist	S	S	S	S	S	50	64	71	55	78	84
Physical therapist	68	56	82	92	105	106	118	134	144	167	173
Radiation therapist	na	na	na	na	na	na	na	na	na	na	14
Recreational therapist	na	na	na	na	na	na	na	na	na	na	18
Respiratory therapist	67	73	65	63	77	98	96	103	78	97	103
Speech therapist	51	61	66	63	78	92	97	105	102	117	93
Other therapist	S	S	57	71	74	84	99	114	99	102	89
Health diagnosing occupations	775	728	818	870	913	932	960	1,083	1,038	1,176	1,116
Dentist	138	132	152	160	161	148	137	155	168	180	167
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	520	489	541	577	614	628	667	740	719	825	830
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	S	S	S	57	S	61	54	58	55	S	58
Other	S	S	S	S	59	55	54	73	57	73	S
Mathematical and computer scientists	1,008	1,180	1,302	1,472	1,491	1,735	1,906	2,360	2,773	2,635	3,140
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	310	385	479	609	695	916	1,093	1,471	1,797	1,742	700
Computer programmer	507	549	570	600	553	549	561	613	699	605	564
Computer software engineer	na	na	na	na	na	na	na	na	na	na	813
Computer support specialist	na	na	na	na	na	na	na	na	na	na	325
Database administrator	na	na	na	na	na	na	na	na	na	na	94
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	na	190
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	na	312
Mathematician	na	na	na	na	na	na	na	na	na	na	S
Operations and systems researchers and analysts	140	195	210	213	192	222	209	212	227	238	90
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	360	384	395	402	461	535	536	519	566	545	655
Agricultural and food scientists	S	S	S	S	S	S	S	S	53	51	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	60	65	75	75	96	120	116	104	114	119	123
Chemist, except biochemist	101	123	125	126	121	144	149	133	153	130	141
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S

TABLE H-1. Employed persons 16 years and older, by detailed occupation: Selected years, 1984–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
Geologists and geodesists	58	S	50	52	51	57	S	63	S	S	86
Medical scientist	S	S	S	S	67	62	73	83	84	89	93
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	55	S	111
Social scientists and urban planners	278	312	343	363	386	440	438	430	450	457	417
Economist	110	111	116	114	122	106	148	137	139	123	25
Market and survey researchers	na	na	na	na	na	na	na	na	na	na	124
Psychologist	137	165	196	209	222	280	245	232	265	277	185
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	3,441	3,558	3,774	3,973	4,203	4,331	4,724	4,962	5,353	5,652	5,438
Elementary school	1,322	1,340	1,424	1,496	1,634	1,634	1,846	1,951	2,177	2,341	2,580
Prekindergarten and kindergarten	330	359	393	457	484	496	543	586	626	647	656
Secondary school	1,203	1,195	1,187	1,199	1,164	1,197	1,228	1,225	1,319	1,289	1,151
Special education	182	216	246	269	267	308	340	381	362	374	384
Other	404	448	524	552	654	696	767	819	869	1,001	667
Teachers, postsecondary (college and university)	619	639	700	768	740	838	889	919	961	1,015	1,176
Other professional	3,625	3,727	4,087	4,201	4,303	4,536	4,908	5,101	5,379	5,530	6,993
Technicians (engineering, health, and science)	2,172	2,269	2,372	2,537	2,692	2,772	2,769	2,988	2,996	3,150	3,087
Engineering and related technologists and technicians	860	937	930	990	926	916	919	970	1,002	980	702
Drafter	305	283	290	285	256	239	233	228	219	247	206
Electrical and electronic technicians	273	328	322	357	332	316	361	431	468	433	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	S	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	S	na
Surveying and mapping technicians	60	80	78	75	73	68	73	71	79	65	80
Other engineering technician	200	229	224	246	247	270	230	212	214	209	416
Health technologists and technicians	1,112	1,124	1,226	1,304	1,524	1,590	1,605	1,733	1,724	1,879	2,092
Clinical laboratory technologists and technicians	281	285	272	298	304	341	376	359	342	384	333
Dental hygienist	62	59	78	87	73	97	94	112	112	133	130
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	na	284
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	na	139
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	na	397
Health record technologists and technicians	S	S	59	69	57	S	S	S	S	S	91
Licensed practical nurse	416	417	423	441	452	397	395	381	374	382	517
Opticians, dispensing	na	na	na	na	na	na	na	na	na	na	S
Radiologic technician	110	113	133	122	146	154	135	170	161	182	na
Other health technician	204	202	262	286	491	569	588	694	719	777	155
Science technician	200	208	216	243	242	266	245	285	270	291	293
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	na	S
Biological technician	55	55	55	69	80	89	79	108	108	131	S
Chemical technician	72	78	81	85	77	77	78	75	71	64	84
Geological and petroleum technician	na	na	na	na	na	na	na	na	na	na	S
Nuclear technician	na	na	na	na	na	na	na	na	na	na	S
Other science technician	73	74	80	89	84	100	87	102	91	96	150
Other occupations	77,975	80,774	83,406	85,654	84,715	86,441	87,442	89,538	91,325	90,853	90,720

na = not applicable; not an occupation category.

S = suppressed because fewer than 50,000 weighted cases.

NOTES: Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2002 and 2004 may not be comparable to data for previous years. Data for 2001 through 2004 reflect weights calculated on the basis of the 2000 decennial census; data for 1994 through 2000 reflect weights based on the 1990 decennial census. Detail may not add to total because of rounding.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1984–2004.

TABLE H-2. Employed females 16 years and older, by detailed occupation: Selected years, 1984–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
All occupations	45,915	48,706	51,696	53,689	54,052	56,610	58,501	60,771	62,915	63,582	64,728
Managers and professionals	10,508	11,712	13,233	14,218	14,881	16,425	17,927	19,245	20,530	21,600	22,496
Executives, administrators, and managers	3,889	4,653	5,590	5,931	6,110	7,014	7,767	8,469	8,960	9,446	8,517
Professional specialty	6,619	7,059	7,643	8,287	8,771	9,411	10,160	10,776	11,570	12,154	13,979
Engineers, architects, and surveyors	113	119	153	177	172	181	197	257	258	261	380
Architect	S	S	S	S	S	S	S	S	51	S	50
Engineer	101	105	132	149	149	155	167	228	207	219	186
Aerospace engineer	S	S	S	S	S	S	S	S	S	S	S
Chemical engineer	S	S	S	S	S	S	S	S	S	S	S
Civil engineer	S	S	S	S	S	S	S	S	S	S	S
Computer hardware engineer	na	na	na	na	na	na	na	na	na	na	S
Electrical and electronic engineer	S	S	S	51	S	S	S	57	71	70	S
Industrial engineer	S	S	S	S	S	S	S	S	S	S	S
Mechanical engineer	S	S	S	S	S	S	S	S	S	S	S
Other engineer	S	S	S	S	S	S	S	S	S	S	S
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	1,668	1,728	1,829	1,992	2,177	2,333	2,409	2,470	2,541	2,822	2,957
Audiologist	na	na	na	na	na	na	na	na	na	na	S
Chiropractor	na	na	na	na	na	na	na	na	na	na	S
Dietitian	67	68	64	79	80	79	95	78	87	66	75
Pharmacist	S	51	54	64	75	70	78	79	97	120	110
Physicians' assistant	S	S	S	S	S	S	S	S	S	53	S
Registered nurse	1,345	1,403	1,475	1,575	1,695	1,835	1,853	1,879	1,959	2,147	2,271
Therapist	193	191	218	248	302	320	347	398	357	436	427
Occupational therapist	S	S	S	S	S	S	55	59	50	70	78
Physical therapist	52	S	61	68	80	70	73	97	88	117	113
Radiation therapist	na	na	na	na	na	na	na	na	na	na	S
Recreational therapist	na	na	na	na	na	na	na	na	na	na	S
Respiratory therapist	S	S	S	S	52	57	56	63	S	57	56
Speech therapist	S	56	59	55	72	87	91	97	95	111	88
Other therapist	S	S	S	52	56	62	73	81	75	81	69
Health diagnosing occupations	104	109	149	155	167	200	245	285	281	344	329
Dentist	S	S	S	S	S	S	S	S	S	S	S
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	83	86	108	111	126	140	176	197	201	253	244
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	333	415	427	534	497	560	585	679	837	780	848
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	93	133	141	210	205	287	307	396	525	484	206
Computer programmer	179	187	183	216	183	161	173	174	185	155	151
Computer software engineer	na	na	na	na	na	na	na	na	na	na	204
Computer support specialist	na	na	na	na	na	na	na	na	na	na	97
Database administrator	na	na	na	na	na	na	na	na	na	na	S
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	na	S
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	na	68
Mathematician	na	na	na	na	na	na	na	na	na	na	S
Operations and systems researchers and analysts	S	77	83	88	87	92	89	89	103	116	S
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	72	86	95	105	125	166	157	161	190	192	234
Agricultural and food scientists	S	S	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	S	S	S	S	S	S	S	S	52	52	56
Chemist, except biochemist	S	S	S	S	S	53	S	S	S	S	S
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S

TABLE H-2. Employed females 16 years and older, by detailed occupation: Selected years, 1984–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
Geologists and geodesists	S	S	S	S	S	S	S	S	S	S	S
Medical scientist	S	S	S	S	S	S	S	S	S	54	50
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	130	143	163	187	208	236	249	235	265	272	234
Economist	S	S	S	50	53	50	81	64	74	68	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	na	60
Psychologist	75	87	110	122	138	164	150	144	171	182	124
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	2,482	2,611	2,752	2,924	3,144	3,244	3,517	3,737	4,037	4,242	4,128
Elementary school	1,118	1,141	1,207	1,274	1,394	1,398	1,538	1,639	1,814	1,942	2,097
Prekindergarten and kindergarten	327	353	386	450	477	486	533	573	617	632	644
Secondary school	616	655	608	636	647	665	686	697	764	749	636
Special education	155	188	209	228	226	258	288	312	299	320	320
Other	266	274	342	336	400	437	472	516	543	599	431
Teachers, postsecondary (college and university)	227	230	270	288	302	356	387	389	420	433	541
Other professional	1,490	1,618	1,805	1,925	1,979	2,135	2,414	2,563	2,741	2,808	4,328
Technicians (engineering, health, and science)	1,155	1,169	1,255	1,359	1,490	1,575	1,568	1,739	1,705	1,873	1,900
Engineering and related technologists and technicians	157	166	175	196	162	179	183	202	205	204	141
Drafter	S	55	S	54	S	S	S	S	51	53	S
Electrical and electronic technicians	S	S	S	55	S	S	S	73	79	83	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	S	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	S	na
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S	S	S
Other engineering technician	62	59	70	79	64	73	77	71	65	58	82
Health technologist and technician	927	945	1,013	1,086	1,241	1,298	1,293	1,414	1,388	1,531	1,639
Clinical laboratory technologists and technicians	212	218	207	226	235	263	275	282	257	294	240
Dental hygienist	62	59	76	86	73	97	93	111	110	131	129
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	na	204
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	na	S
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	na	334
Health records technologists and technicians	S	S	51	65	51	S	S	S	S	S	81
Licensed practical nurse	400	407	406	425	428	378	377	365	350	362	487
Opticians, dispensing	na	na	na	na	na	na	na	na	na	na	S
Radiologic technician	74	76	101	93	108	114	94	118	112	135	na
Other health technician	143	141	172	190	348	417	438	521	546	590	89
Science technician	71	58	67	77	87	98	92	123	112	138	120
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	na	S
Biological technician	S	S	S	S	S	S	S	74	64	78	S
Chemical technician	S	S	S	S	S	S	S	S	S	S	S
Geological and petroleum technicians	na	na	na	na	na	na	na	na	na	na	S
Nuclear technician	na	na	na	na	na	na	na	na	na	na	S
Other science technician	S	S	S	S	S	S	S	S	S	S	70
Other occupation	34,431	36,012	37,391	38,329	37,864	38,771	39,179	39,962	40,865	40,264	40,332

na = not applicable; not an occupation category.

S = suppressed because fewer than 50,000 weighted cases.

NOTES: Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2002 and 2004 may not be comparable to data for previous years. Data for 2001 through 2004 reflect weights calculated on the basis of the 2000 decennial census; data for 1994 through 2000 reflect weights based on the 1990 decennial census. Detail may not add to total because of rounding.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1984–2004.

TABLE H-3. Employed males 16 years and older, by detailed occupation: Selected years, 1983–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
All occupations	59,091	60,892	63,273	65,104	64,440	66,450	68,207	70,693	72,293	72,903	74,524
Managers and professionals	14,856	15,391	16,526	16,985	16,758	17,971	19,131	20,305	21,056	21,487	22,945
Executives, administrators, and managers	7,683	7,990	8,626	8,872	8,612	9,298	9,979	10,585	10,814	11,115	11,718
Professional specialty	7,173	7,401	7,900	8,113	8,146	8,673	9,152	9,720	10,242	10,372	11,227
Engineers, architects, and surveyors	1,645	1,787	1,818	1,861	1,736	1,849	1,943	1,968	2,068	1,988	2,380
Architect	95	119	122	116	116	117	133	130	164	157	157
Engineer	1,526	1,644	1,673	1,719	1,605	1,711	1,793	1,824	1,886	1,809	1,634
Aerospace engineer	77	87	108	102	82	64	77	78	70	83	101
Chemical engineer	51	54	57	63	66	52	81	58	76	65	53
Civil engineer	209	227	205	223	199	221	226	261	260	238	259
Computer hardware engineers	na	na	na	na	na	na	na	na	na	na	84
Electrical and electronic engineer	456	512	528	536	486	519	553	572	654	607	316
Industrial engineer	174	181	192	179	175	209	223	214	207	195	144
Mechanical engineer	255	277	286	299	288	324	326	311	321	281	293
Other engineer	303	306	297	318	309	322	309	331	296	278	384
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	262	298	325	321	334	375	403	428	425	446	555
Audiologist	na	na	na	na	na	na	na	na	na	na	S
Chiropractor	na	na	na	na	na	na	na	na	na	na	56
Dietitian	S	S	S	S	S	S	S	S	S	S	S
Pharmacist	116	111	114	107	122	112	106	101	111	112	123
Physicians' assistant	S	S	S	S	S	S	S	S	S	S	S
Registered nurse	57	85	84	92	104	121	133	153	152	164	193
Therapist	58	66	81	77	79	111	126	130	121	127	145
Occupational therapist	S	S	S	S	S	S	S	S	S	S	S
Physical therapist	S	S	S	S	S	S	S	S	56	50	60
Radiation therapist	na	na	na	na	na	na	na	na	na	na	S
Recreational therapist	na	na	na	na	na	na	na	na	na	na	S
Respiratory therapist	S	S	S	S	S	S	S	S	S	S	S
Speech therapist	S	S	S	S	S	S	S	S	S	S	S
Other therapist	S	S	S	S	S	S	S	S	S	S	S
Health diagnosing occupations	671	618	669	715	745	731	715	798	757	832	787
Dentist	129	126	138	145	147	129	119	125	137	145	130
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	437	403	433	466	488	488	491	543	518	572	586
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	675	765	876	937	993	1,175	1,321	1,681	1,937	1,855	2,292
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	217	253	338	399	490	629	786	1,075	1,271	1,258	494
Computer programmer	327	362	387	384	371	388	388	438	514	450	414
Computer software engineer	na	na	na	na	na	na	na	na	na	na	609
Computer support specialist	na	na	na	na	na	na	na	na	na	na	229
Database administrator	na	na	na	na	na	na	na	na	na	na	63
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	na	151
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	na	244
Mathematician	na	na	na	na	na	na	na	na	na	na	S
Operations and systems researchers and analysts	97	118	127	124	105	130	119	123	124	122	51
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	287	298	300	298	336	369	379	359	376	354	419
Agricultural and food scientists	S	S	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	S	S	S	S	64	76	71	64	62	66	67
Chemist, except biochemist	77	95	95	92	85	91	106	89	107	91	95
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S

TABLE H-3. Employed males 16 years and older, by detailed occupation: Selected years, 1983–2004 annual averages

(Thousands)

Occupation	1984	1986	1988	1990	1992	1994	1996	1998	2000	2002	2004
Geologists and geodesists	50	S	S	S	S	S	S	55	S	S	62
Medical scientist	S	S	S	S	S	S	S	S	S	S	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	74
Social scientists and urban planners	148	169	180	176	178	204	189	195	185	184	183
Economist	66	68	75	64	70	56	67	74	65	55	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	na	64
Psychologist	62	78	87	87	83	116	94	88	94	94	62
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	960	946	1,021	1,048	1,060	1,087	1,207	1,225	1,317	1,411	1,311
Elementary school	203	199	217	221	240	236	309	312	363	399	483
Prekindergarten and kindergarten	S	S	S	S	S	S	S	S	S	S	S
Secondary school	587	539	579	562	518	531	542	528	555	540	515
Special education	S	S	S	S	S	50	52	68	63	54	64
Other	138	174	183	216	254	260	295	303	326	402	236
Teachers, postsecondary (college and university)	393	409	431	480	438	482	502	530	541	582	635
Other professional	2,132	2,111	2,280	2,277	2,326	2,401	2,493	2,536	2,636	2,720	2,665
Technicians (engineering, health, and science)	1,017	1,101	1,117	1,178	1,201	1,197	1,201	1,249	1,291	1,278	1,191
Engineering and related technologists and technicians	703	772	755	794	764	737	736	768	797	777	561
Drafter	258	229	243	231	207	191	185	184	167	193	157
Electrical and electronic technicians	236	287	275	302	292	268	315	358	389	351	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	S	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	S	na
Surveying and mapping technicians	53	72	68	71	67	63	63	62	73	59	70
Other engineering technician	137	170	154	167	183	198	153	141	149	150	334
Health technologists and technicians	185	179	213	218	283	292	312	319	336	347	457
Clinical laboratory technologists and technicians	69	67	65	71	69	78	100	77	86	90	93
Dental hygienist	S	S	S	S	S	S	S	S	S	S	S
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	na	80
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	na	94
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	na	63
Health record technologists and technicians	S	S	S	S	S	S	S	S	S	S	S
Licensed practical nurse	S	S	S	S	S	S	S	S	S	S	S
Opticians, dispensing	na	na	na	na	na	na	na	na	na	na	S
Radiologic technician	S	S	S	S	S	S	S	52	50	S	na
Other health technician	61	61	90	96	143	153	150	173	173	187	68
Science technician	129	150	149	166	154	168	153	162	158	154	173
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	na	S
Biological technician	S	S	S	S	S	S	S	S	S	53	S
Chemical technician	52	60	59	61	56	58	57	59	56	S	56
Geological and petroleum technicians	na	na	na	na	na	na	na	na	na	na	S
Nuclear technician	na	na	na	na	na	na	na	na	na	na	S
Other science technician	S	54	58	64	59	69	62	68	59	58	79
Other occupation	43,545	44,762	46,017	47,325	46,852	47,670	48,262	49,577	50,459	50,588	50,388

na = not applicable; not an occupation category.

S = suppressed because fewer than 50,000 weighted cases.

NOTES: Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2002 and 2004 may not be comparable to data for previous years. Data for 2001 through 2004 reflect weights calculated on the basis of the 2000 decennial census; data for 1994 through 2000 reflect weights based on the 1990 decennial census. Detail may not add to total because of rounding.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1984–2004.

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
All occupations	123,060	124,900	126,708	129,558	131,463	133,488	136,891	136,933	136,485	137,736	139,252
Managers and professionals	33,848	35,318	36,498	37,685	38,937	40,467	41,336	42,271	42,482	44,868	45,445
Executives, administrators, and managers	16,312	17,186	17,746	18,440	19,054	19,584	19,968	20,506	20,561	19,934	20,235
Professional specialty	17,536	18,132	18,752	19,245	19,883	20,883	21,368	21,765	21,921	24,934	25,210
Engineers, architects, and surveyors	2,030	2,117	2,140	2,220	2,224	2,291	2,357	2,362	2,249	2,727	2,760
Architect	141	163	160	169	158	194	218	217	197	180	207
Engineer	1,866	1,934	1,960	2,036	2,052	2,081	2,120	2,121	2,028	1,787	1,819
Aerospace engineer	75	78	80	87	86	79	77	86	90	82	113
Chemical engineer	56	80	95	92	69	82	85	75	77	75	63
Civil engineer	240	231	243	248	296	287	292	296	267	278	293
Computer hardware engineer	na	na	na	na	na	na	na	na	na	99	96
Electrical and electronic engineer	556	611	601	652	629	639	738	740	677	363	343
Industrial engineer	245	250	257	258	262	260	246	258	235	180	177
Mechanical engineer	341	330	350	352	335	340	345	341	301	285	311
Other engineer	351	351	332	347	376	394	335	323	380	425	423
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	2,708	2,762	2,812	2,886	2,898	3,019	3,009	3,112	3,267	3,483	3,515
Audiologist	na	na	na	na	na	na	na	na	na	S	S
Chiropractor	na	na	na	na	na	na	na	na	na	70	73
Dietitian	86	94	105	101	90	92	98	101	74	85	84
Pharmacist	182	170	184	200	180	216	214	220	231	232	233
Physicians' assistant	53	55	63	65	68	67	73	82	89	65	70
Registered nurse	1,956	1,977	1,986	2,065	2,032	2,128	2,142	2,202	2,311	2,449	2,464
Therapist	430	466	474	455	528	517	482	508	562	569	574
Occupational therapist	50	52	64	61	71	71	55	63	78	77	84
Physical therapist	106	130	118	110	134	144	147	156	167	182	173
Radiation therapist	na	na	na	na	na	na	na	na	na	S	S
Recreational therapist	na	na	na	na	na	na	na	na	na	S	S
Respiratory therapist	98	94	96	85	103	90	78	89	97	94	103
Speech therapist	92	91	97	102	105	99	102	112	117	93	93
Other therapist	84	101	99	97	114	114	99	89	102	94	89
Health diagnosing occupations	932	1,002	960	1,027	1,083	1,071	1,066	1,115	1,176	1,135	1,116
Dentist	148	155	137	138	155	173	171	169	180	188	167
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	628	693	667	724	740	720	742	781	825	819	830
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	61	59	54	S	58	53	56	56	S	59	58
Other	55	51	54	69	73	74	57	63	73	S	S
Mathematical and computer scientists	1,735	1,748	1,907	2,119	2,361	2,512	2,820	2,791	2,634	3,122	3,140
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	916	933	1,093	1,236	1,471	1,549	1,829	1,835	1,742	722	700
Computer programmer	549	553	561	626	613	665	710	667	605	563	564
Computer software engineer	na	na	na	na	na	na	na	na	na	758	813
Computer support specialist	na	na	na	na	na	na	na	na	na	330	325
Database administrator	na	na	na	na	na	na	na	na	na	72	94
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	176	190
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	359	312
Mathematician	na	na	na	na	na	na	na	na	na	S	S
Operations and systems researchers and analysts	222	217	209	201	212	241	228	233	238	95	90
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	535	519	536	529	519	578	576	590	545	647	655
Agricultural and food scientists	S	S	S	S	S	S	53	S	51	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	120	110	116	106	104	109	116	127	119	112	123
Chemist, except biochemist	144	140	149	144	133	136	157	165	130	140	141

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S
Geologists and geodesists	57	60	S	59	63	56	S	S	S	85	86
Medical scientist	62	61	73	77	83	100	87	101	89	101	93
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	63	55	S	S	112	111
Social scientists and urban planners	440	453	438	441	430	460	454	457	457	414	417
Economist	106	148	148	135	137	141	141	135	123	S	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	124	124
Psychologist	280	260	245	256	232	266	267	271	277	185	185
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	4,331	4,508	4,724	4,799	4,962	5,276	5,394	5,497	5,652	5,378	5,438
Elementary school	1,634	1,738	1,846	1,872	1,951	2,072	2,191	2,225	2,341	2,557	2,580
Prekindergarten and kindergarten	496	498	543	574	586	600	630	656	647	665	656
Secondary school	1,197	1,232	1,228	1,173	1,225	1,342	1,333	1,318	1,289	1,124	1,151
Special education	308	311	340	384	381	369	365	362	374	370	384
Other	696	729	767	796	819	893	875	936	1,001	662	667
Teachers, postsecondary (college and university)	838	846	889	869	919	978	980	1,027	1,015	1,121	1,176
Other professional	3,987	4,177	4,346	4,355	4,487	4,698	4,712	4,814	4,926	6,907	6,993
Technicians (engineering, health, and science)	2,772	2,804	2,769	2,940	2,988	2,967	3,025	3,151	3,150	3,061	3,087
Engineering and related technologists and technicians	916	880	919	960	970	973	1,010	1,025	980	718	702
Drafter	239	229	233	222	228	235	219	225	247	224	206
Electrical and electronic technicians	316	334	361	391	431	437	472	486	433	na	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	na	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	na	na
Surveying and mapping technicians	68	62	73	76	71	67	79	68	65	75	80
Other engineering technician	270	234	230	243	212	215	216	219	209	419	416
Health technologists and technicians	1,590	1,648	1,605	1,693	1,733	1,701	1,742	1,831	1,879	2,028	2,092
Clinical lab technologists and technicians	341	374	376	388	359	338	348	363	384	294	333
Dental hygienist	97	95	94	107	112	106	112	111	133	126	130
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	268	284
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	121	139
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	388	397
Health record technologists and technicians	S	S	S	S	S	S	S	S	S	107	91
Licensed practical nurse	397	399	395	408	381	357	378	383	382	531	517
Opticians, dispensing	na	na	na	na	na	na	na	na	na	50	S
Radiologic technician	154	154	135	148	170	167	163	168	182	na	na
Other health technician	569	607	588	624	694	715	724	788	777	143	155
Science technicians	266	276	245	287	285	293	273	295	291	315	293
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	na	na
Biological technician	89	96	79	106	108	106	109	127	131	na	na
Chemical technician	77	84	78	85	75	79	71	69	64	86	84
Geological and petroleum technicians	na	na	na	na	na	na	na	na	na	na	na
Nuclear technician	na	na	na	na	na	na	na	na	na	na	na
Other science technician	100	96	87	96	102	108	93	99	96	156	150
Other occupations	86,441	86,778	87,442	88,932	89,538	90,054	92,529	91,511	90,853	89,807	90,720
White	105,190	106,490	107,808	109,856	110,931	112,235	114,424	114,430	114,013	114,235	115,239
Managers and professionals	30,045	31,323	32,116	33,089	34,063	35,125	35,476	36,242	36,405	38,104	38,512
Executives, administrators, and managers	14,605	15,398	15,807	16,420	16,903	17,235	17,462	17,880	17,944	17,377	17,590
Professional specialty	15,439	15,924	16,309	16,669	17,160	17,890	18,014	18,362	18,460	20,727	20,922
Engineers, architects, and surveyors	1,827	1,903	1,870	1,934	1,942	1,994	1,967	1,998	1,919	2,321	2,343
Architect	131	153	145	154	147	181	197	193	179	165	187

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Engineer	1,677	1,732	1,705	1,766	1,781	1,797	1,754	1,782	1,716	1,505	1,511
Aerospace engineer	70	72	74	79	71	67	67	78	83	71	95
Chemical engineer	50	69	71	74	61	78	74	61	63	66	51
Civil engineer	216	203	207	222	263	241	239	244	220	228	232
Computer hardware engineer	na	na	na	na	na	na	na	na	na	74	66
Electrical and electronic engineer	488	537	516	540	519	523	573	598	549	294	280
Industrial engineer	221	225	237	236	233	238	217	227	210	155	153
Mechanical engineer	311	301	307	306	298	309	302	302	268	248	270
Other engineer	307	311	281	296	321	322	274	262	313	369	364
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	2,345	2,392	2,413	2,473	2,460	2,540	2,531	2,605	2,694	2,897	2,897
Audiologist	na	na	na	na	na	na	na	na	na	S	S
Chiropractor	na	na	na	na	na	na	na	na	na	66	68
Dietitian	70	73	70	69	68	64	73	73	58	65	62
Pharmacist	163	147	154	169	155	173	175	184	180	194	198
Physicians' assistant	S	S	61	60	60	61	66	73	77	54	59
Registered nurse	1,685	1,713	1,697	1,764	1,715	1,789	1,794	1,829	1,892	1,992	2,006
Therapist	380	411	430	411	462	455	424	446	486	489	487
Occupational therapist	S	S	60	57	64	65	52	57	70	69	72
Physical therapist	96	121	107	99	116	124	125	138	148	159	140
Radiation therapist	na	na	na	na	na	na	na	na	na	S	S
Recreational therapist	na	na	na	na	na	na	na	na	na	S	S
Respiratory therapist	83	76	85	74	82	68	68	75	78	71	84
Speech therapist	86	88	95	97	100	96	97	106	109	86	87
Other therapist	71	77	84	85	99	103	82	70	81	76	76
Health diagnosing occupations	804	874	827	868	912	882	859	901	940	911	875
Dentist	133	143	130	125	140	160	149	141	145	161	138
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	526	583	555	590	598	557	567	607	639	639	635
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	59	57	S	S	56	51	54	53	S	56	57
Other	50	S	53	65	68	68	54	57	69	S	S
Mathematical and computer scientists	1,497	1,510	1,583	1,744	1,933	2,035	2,189	2,102	2,016	2,418	2,410
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	776	812	893	1,009	1,190	1,238	1,404	1,343	1,330	564	548
Computer programmer	476	478	471	516	503	548	550	524	457	449	439
Computer software engineer	na	na	na	na	na	na	na	na	na	528	562
Computer support specialist	na	na	na	na	na	na	na	na	na	262	262
Database administrator	na	na	na	na	na	na	na	na	na	59	71
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	148	156
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	296	256
Mathematician	na	na	na	na	na	na	na	na	na	S	S
Operations and systems researchers and analysts	204	184	180	171	182	202	193	189	187	75	70
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	471	447	455	433	441	490	476	482	451	514	530
Agricultural and food scientists	S	S	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	97	87	94	89	90	92	95	105	97	90	102
Chemist, except biochemist	127	123	125	115	105	106	115	128	96	101	109
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S
Geologists and geodesists	52	57	S	57	62	54	S	S	S	77	79
Medical scientist	52	S	52	S	60	70	64	71	68	75	71
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	58	54	S	S	85	78
Social scientists and urban planners	396	402	386	389	386	405	401	407	397	358	372

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Economist	97	135	136	117	125	126	119	118	105	S	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	102	102
Psychologist	251	229	211	228	204	231	243	244	243	171	173
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	3,842	3,986	4,170	4,205	4,340	4,617	4,686	4,803	4,899	4,633	4,723
Elementary school	1,436	1,530	1,633	1,624	1,696	1,809	1,894	1,943	2,026	2,206	2,255
Prekindergarten and kindergarten	422	412	460	490	487	503	531	538	522	545	530
Secondary school	1,081	1,120	1,113	1,054	1,094	1,210	1,172	1,189	1,166	989	1,039
Special education	282	276	288	335	335	329	323	320	328	333	339
Other	621	648	676	702	728	766	766	813	857	560	560
Teachers, postsecondary (college and university)	726	730	758	737	774	845	824	849	844	923	957
Other professional	4,257	4,410	4,605	4,623	4,746	4,927	4,905	5,064	5,144	6,675	6,772
Technicians (engineering, health, and science)	3,301	3,361	3,334	3,571	3,557	3,622	3,621	3,747	3,716	2,454	2,516
Engineering and related technologists and technicians	800	770	789	841	820	813	833	855	830	612	614
Drafter	220	209	212	200	212	206	192	208	224	200	182
Electrical and electronic technicians	260	280	306	341	349	352	382	399	349	na	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	na	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	na	na
Surveying and mapping technicians	63	55	64	70	67	61	70	63	64	69	76
Other engineering technician	236	206	189	205	171	178	172	162	175	343	356
Health technologists and technicians	1,303	1,369	1,334	1,393	1,404	1,372	1,393	1,464	1,518	1,601	1,665
Clinical laboratory technologists and technicians	267	297	284	287	273	243	257	269	285	220	242
Dental hygienist	96	92	93	105	106	103	109	106	127	122	123
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	223	248
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	109	121
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	299	328
Health record technologists and technicians	S	S	S	S	S	S	S	S	S	84	71
Licensed practical nurse	310	308	329	335	304	279	283	278	293	387	379
Opticians, dispensing	na	na	na	na	na	na	na	na	na	S	S
Radiologic technician	136	141	119	131	148	148	143	147	163	na	na
Other health technician	469	516	495	519	559	585	588	651	632	113	115
Science technician	223	240	204	243	240	244	232	250	247	241	237
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	S	S
Biological technician	73	85	68	88	96	93	95	110	114	S	S
Chemical technician	68	73	64	70	60	64	63	60	53	61	67
Geological and petroleum technician	na	na	na	na	na	na	na	na	na	S	S
Nuclear technician	na	na	na	na	na	na	na	na	na	S	S
Other science technician	83	82	72	85	84	87	73	80	80	125	122
Other occupations	71,844	71,806	72,358	73,196	73,311	73,488	75,327	74,441	73,892	73,677	74,211
Black	12,835	13,279	13,542	13,969	14,556	15,056	15,156	15,006	14,872	14,739	14,909
Managers and professionals	2,405	2,651	2,706	2,764	2,947	3,233	3,311	3,393	3,378	3,865	3,913
Executives, administrators, and managers	1,103	1,233	1,218	1,267	1,368	1,484	1,496	1,563	1,553	1,368	1,408
Professional specialty	1,302	1,418	1,488	1,497	1,579	1,749	1,815	1,830	1,825	2,497	2,505
Engineers, architects, and surveyors	75	96	87	82	88	100	122	120	95	119	135
Architect	S	S	S	S	S	S	S	S	S	S	S
Engineer	69	90	82	79	85	96	118	113	91	61	93
Aerospace engineer	S	S	S	S	S	S	S	S	S	S	S
Chemical engineer	S	S	S	S	S	S	S	S	S	S	S
Civil engineer	S	S	S	S	S	S	S	S	S	S	S
Computer hardware engineer	na	na	na	na	na	na	na	na	na	S	S
Electrical and electronic engineer	S	S	S	S	S	S	S	S	S	S	S
Industrial engineer	S	S	S	S	S	S	S	S	S	S	S

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Mechanical engineer	S	S	S	S	S	S	S	S	S	S	S
Other engineer	S	S	S	S	S	S	S	S	S	S	S
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	238	237	246	243	259	276	264	296	317	315	323
Audiologist	na	na	na	na	na	na	na	na	na	S	S
Chiropractor	na	na	na	na	na	na	na	na	na	S	S
Dietitian	S	S	S	S	S	S	S	S	S	S	S
Pharmacist	S	S	S	S	S	S	S	S	S	S	S
Physicians' assistant	S	S	S	S	S	S	S	S	S	S	S
Registered nurse	181	166	170	172	189	205	198	217	232	242	248
Therapist	S	S	S	S	S	S	S	S	S	S	S
Occupational therapist	S	S	S	S	S	S	S	S	S	S	S
Physical therapist	S	S	S	S	S	S	S	S	S	S	S
Radiation therapist	na	na	na	na	na	na	na	na	na	S	S
Recreational therapist	na	na	na	na	na	na	na	na	na	S	S
Respiratory therapist	S	S	S	S	S	S	S	S	S	S	S
Speech therapist	S	S	S	S	S	S	S	S	S	S	S
Other therapist	S	S	S	S	S	S	S	S	S	S	S
Health diagnosing occupations	S	S	S	S	S	S	53	54	55	51	58
Dentist	S	S	S	S	S	S	S	S	S	S	S
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	S	S	S	S	S	S	S	S	S	S	50
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	110	121	127	149	166	180	222	214	171	252	236
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	66	57	79	95	106	115	141	146	120	70	68
Computer programmer	S	S	S	S	S	S	S	S	S	S	S
Computer software engineer	na	na	na	na	na	na	na	na	na	S	S
Computer support specialist	na	na	na	na	na	na	na	na	na	S	S
Database administrator	na	na	na	na	na	na	na	na	na	S	S
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	S	S
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	S	S
Mathematician	na	na	na	na	na	na	na	na	na	S	S
Operations and systems researchers and analysts	S	S	S	S	S	S	S	S	S	S	S
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	S	S	S	S	S	S	S	S	S	S	S
Agricultural and food scientists	S	S	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	S	S	S	S	S	S	S	S	S	S	S
Chemist, except biochemist	S	S	S	S	S	S	S	S	S	S	S
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S
Geologists and geodesists	S	S	S	S	S	S	S	S	S	S	S
Medical scientist	S	S	S	S	S	S	S	S	S	S	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	S	S	S	S	S	S	S	S	S	S	S
Economist	S	S	S	S	S	S	S	S	S	S	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	S	S
Psychologist	S	S	S	S	S	S	S	S	S	S	S
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	386	419	461	487	495	523	551	545	572	543	515
Elementary school	167	175	183	205	205	214	244	237	258	267	244

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Prekindergarten and kindergarten	55	69	74	76	84	81	82	96	95	93	100
Secondary school	91	93	97	97	109	107	117	93	90	95	76
Special education	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	57	58
Teachers, postsecondary (college and university)	42	52	58	57	53	64	61	61	54	56	69
Other professional	408	447	474	436	477	565	537	537	555	1,166	1,191
Technicians (engineering, health, and science)	314	308	301	319	350	371	376	370	363	58	S
Engineering and related technologists and technicians	68	70	78	71	84	95	98	92	76	58	S
Drafter	S	S	S	S	S	S	S	S	S	S	S
Electrical and electronic technicians	S	S	S	S	S	S	50	S	S	na	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	na	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	na	na
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S	S	S
Other engineering technician	S	S	S	S	S	S	S	S	S	S	S
Health technologists and technicians	221	213	197	221	241	244	255	259	268	305	293
Clinical laboratory technologists and technicians	S	51	60	62	54	66	61	60	75	S	S
Dental hygienist	S	S	S	S	S	S	S	S	S	S	S
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	S	S
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	S	S
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	65	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S	S	S
Licensed practical nurse	74	78	55	63	66	66	74	89	79	119	108
Opticians, dispensing	na	na	na	na	na	na	na	na	na	S	S
Radiologic technician	S	S	S	S	S	S	S	S	S	na	na
Other health technician	80	69	67	81	99	91	97	91	100	S	S
Science technicians	S	S	S	S	S	S	S	S	S	S	S
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	S	S
Biological technician	S	S	S	S	S	S	S	S	S	S	S
Chemical technician	S	S	S	S	S	S	S	S	S	S	S
Geological and petroleum technician	na	na	na	na	na	na	na	na	na	S	S
Nuclear technician	na	na	na	na	na	na	na	na	na	S	S
Other science technician	S	S	S	S	S	S	S	S	S	S	S
Other occupations	10,116	10,320	10,535	10,886	11,259	11,452	11,469	11,243	11,131	10,816	10,960
Hispanic	10,788	11,127	11,642	12,726	13,291	13,720	15,735	16,190	16,590	17,372	17,930
Managers and professionals	1,517	1,548	1,654	1,867	1,933	2,040	2,182	2,329	2,461	2,481	2,627
Executives, administrators, and managers	807	821	854	1,001	1,028	1,097	1,143	1,239	1,293	1,176	1,290
Professional specialty	709	727	799	866	905	943	1,039	1,091	1,168	1,305	1,337
Engineers, architects, and surveyors	67	74	81	86	87	82	99	91	92	141	158
Architect	S	S	S	S	S	S	S	S	S	S	S
Engineer	62	63	74	77	78	74	86	80	81	72	80
Aerospace engineer	S	S	S	S	S	S	S	S	S	S	S
Chemical engineer	S	S	S	S	S	S	S	S	S	S	S
Civil engineer	S	S	S	S	S	S	S	S	S	S	S
Computer hardware engineer	na	na	na	na	na	na	na	na	na	S	S
Electrical and electronic engineer	S	S	S	S	S	S	S	S	S	S	S
Industrial engineer	S	S	S	S	S	S	S	S	S	S	S
Mechanical engineer	S	S	S	S	S	S	S	S	S	S	S
Other engineer	S	S	S	S	S	S	S	S	S	S	S
Surveyors and mappers	S	S	S	S	S	S	S	S	S	S	S
Health assessment and treating occupations	92	86	87	95	99	102	108	129	122	110	135
Audiologist	na	na	na	na	na	na	na	na	na	S	S
Chiropractor	na	na	na	na	na	na	na	na	na	S	S
Dietitian	S	S	S	S	S	S	S	S	S	S	S

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages

(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Pharmacist	S	S	S	S	S	S	S	S	S	S	S
Physicians' assistant	S	S	S	S	S	S	S	S	S	S	S
Registered nurse	57	52	53	60	64	66	62	83	77	95	108
Therapist	S	S	S	S	S	S	S	S	S	S	S
Occupational therapist	S	S	S	S	S	S	S	S	S	S	S
Physical therapist	S	S	S	S	S	S	S	S	S	S	S
Radiation therapist	na	na	na	na	na	na	na	na	na	S	S
Recreational therapist	na	na	na	na	na	na	na	na	na	S	S
Respiratory therapist	S	S	S	S	S	S	S	S	S	S	S
Speech therapist	S	S	S	S	S	S	S	S	S	S	S
Other therapist	S	S	S	S	S	S	S	S	S	S	S
Health diagnosing occupations	S	S	S	S	S	S	S	50	55	54	55
Dentist	S	S	S	S	S	S	S	S	S	S	S
Optometrist	S	S	S	S	S	S	S	S	S	S	S
Physician	S	S	S	S	S	S	S	S	S	S	S
Podiatrist	S	S	S	S	S	S	S	S	S	S	S
Veterinarian	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	63	59	60	75	104	92	105	118	134	172	172
Actuary	S	S	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	S	S	S	S	54	53	73	75	90	S	S
Computer programmer	S	S	S	S	S	S	S	S	S	S	S
Computer software engineer	na	na	na	na	na	na	na	na	na	S	S
Computer support specialist	na	na	na	na	na	na	na	na	na	S	S
Database administrator	na	na	na	na	na	na	na	na	na	S	S
Network and computer systems administrators	na	na	na	na	na	na	na	na	na	S	S
Network systems and data communications analysts	na	na	na	na	na	na	na	na	na	S	S
Mathematician	S	S	S	S	S	S	S	S	S	S	S
Operations and systems researchers and analysts	S	S	S	S	S	S	S	S	S	S	S
Statistician	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Natural scientist	S	S	S	S	S	S	S	S	S	S	S
Agricultural and food scientists	S	S	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S	S	S
Biological and life scientists	S	S	S	S	S	S	S	S	S	S	S
Chemist, except biochemist	S	S	S	S	S	S	S	S	S	S	S
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S	S	S
Geologists and geodesists	S	S	S	S	S	S	S	S	S	S	S
Medical scientist	S	S	S	S	S	S	S	S	S	S	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	S	S	S	S	S	S	S	S	S	S	S
Economist	S	S	S	S	S	S	S	S	S	S	S
Market and survey researchers	na	na	na	na	na	na	na	na	na	S	S
Psychologist	S	S	S	S	S	S	S	S	S	S	S
Sociologist	S	S	S	S	S	S	S	S	S	S	S
Urban planner	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary	187	199	227	259	268	287	297	314	346	344	356
Elementary school	68	75	89	100	110	106	128	125	149	152	166
Prekindergarten and kindergarten	S	S	S	55	S	S	53	73	50	56	54
Secondary school	S	50	62	S	51	67	59	54	65	68	60
Special education	S	S	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	54	S	53	65	50	57
Teachers, postsecondary (college and university)	S	S	S	S	S	S	S	S	55	50	41
Other professional	232	237	276	279	265	301	352	356	383	431	414

TABLE H-4. Employed persons 16 years and older, by detailed occupation and race/ethnicity: 1994–2004 annual averages
(Thousands)

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Technicians (engineering, health, and science)	153	183	178	195	211	205	245	281	257	222	237
Engineering and related technologists and technicians	57	54	56	64	74	61	69	86	76	56	62
Drafter	S	S	S	S	S	S	S	S	S	S	S
Electrical and electronic technicians	S	S	S	S	S	S	S	S	S	na	na
Industrial engineering technician	S	S	S	S	S	S	S	S	S	na	na
Mechanical engineering technician	S	S	S	S	S	S	S	S	S	na	na
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S	S	S
Other engineering technician	S	S	S	S	S	S	S	S	S	S	S
Health technologists and technicians	84	109	107	107	121	123	151	171	162	137	153
Clinical laboratory technologists and technicians	S	S	S	S	S	S	S	S	S	S	S
Dental hygienist	S	S	S	S	S	S	S	S	S	S	S
Diagnostic related technologists and technicians	na	na	na	na	na	na	na	na	na	S	S
Emergency medical technicians and paramedics	na	na	na	na	na	na	na	na	na	S	S
Health diagnosing and treating practitioner support technicians	na	na	na	na	na	na	na	na	na	S	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S	S	S
Licensed practical nurse	S	S	S	S	S	S	S	S	S	S	S
Opticians, dispensing	na	na	na	na	na	na	na	na	na	S	S
Radiologic technician	S	S	S	S	S	S	S	S	S	na	na
Other health technician	S	S	50	51	67	76	88	112	96	S	S
Science technician	S	S	S	S	S	S	S	S	S	S	S
Agricultural and food science technicians	na	na	na	na	na	na	na	na	na	S	S
Biological technician	S	S	S	S	S	S	S	S	S	S	S
Chemical technician	S	S	S	S	S	S	S	S	S	S	S
Geological and petroleum technician	na	na	na	na	na	na	na	na	na	S	S
Nuclear technician	na	na	na	na	na	na	na	na	na	S	S
Other science technician	S	S	S	S	S	S	S	S	S	S	S
Other occupations	9,118	9,396	9,810	10,664	11,147	11,475	13,308	13,580	13,872	14,669	15,066

na = not applicable; not an occupation category.

S = suppressed because fewer than 50,000 weighted cases.

NOTES: Data for 2000 through 2004 reflect weights calculated on the basis of the 2000 decennial census; data for 1994 through 1999 reflect weights based on the 1990 decennial census. In 2001, the Current Population Survey taxonomy for occupations was revised, thus data for 2002, 2003, and 2004 may not be comparable to data for previous years. Hispanics may be of any race and are classified by race as well as ethnicity. Total includes other races, e.g., Asian, American Indian/Alaska Native (all years), and multiple race (from 2000 on) not shown separately due to small sample. Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers. Detail may not add to total because of rounding.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1994–2004.

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	18,019,400	7,582,200	10,437,200	10,484,300	4,575,300	5,909,100	4,976,800	2,221,900	2,754,900	883,700	256,900	626,900
S&E occupations	4,927,500	1,330,500	3,597,100	2,799,200	696,000	2,103,200	1,453,300	437,000	1,016,200	581,800	162,200	419,600
Scientist	3,372,700	1,158,200	2,214,500	1,789,700	588,600	1,201,100	1,003,700	381,500	622,100	488,400	153,500	334,800
Biological/life scientist	554,500	240,400	314,200	195,500	93,500	102,000	128,700	66,400	62,300	171,600	61,200	110,500
Agricultural/food scientist	48,500	15,200	33,300	26,100	10,000	16,100	12,500	3,300	9,200	9,200	1,600	7,700
Biological/medical scientist	298,500	137,100	161,400	118,200	66,200	51,900	62,700	30,100	32,600	102,600	35,800	66,800
Forestry and conservation scientist	39,500	4,400	35,100	28,600	2,800	25,900	9,000	1,100	7,800	1,800	400	1,400
Postsecondary teacher	168,100	83,700	84,400	22,600	14,500	8,100	44,500	31,900	12,600	58,000	23,400	34,600
Computer and information scientist	1,883,400	519,700	1,363,700	1,292,700	367,300	925,400	526,900	142,000	384,800	53,400	8,200	45,200
Computer/information scientist	1,849,000	509,700	1,339,300	1,281,400	363,900	917,500	514,700	137,200	377,500	42,600	6,500	36,000
Postsecondary teacher	34,400	10,000	24,400	11,300	3,400	7,900	12,200	4,900	7,300	10,900	1,700	9,200
Mathematical scientist	125,100	50,100	75,000	38,700	18,200	20,500	51,300	22,300	29,100	33,000	8,500	24,500
Mathematical scientist	67,000	25,500	41,500	28,800	13,300	15,600	25,300	9,000	16,300	11,000	2,300	8,700
Postsecondary teacher	58,000	24,600	33,500	9,900	5,000	4,900	26,000	13,300	12,800	22,100	6,300	15,800
Physical scientist	315,100	89,900	225,100	139,400	49,400	90,000	82,900	27,000	55,900	90,500	13,300	77,300
Chemist, except biochemist	124,200	46,300	77,900	68,900	30,100	38,800	25,300	11,100	14,200	29,900	5,000	24,900
Earth scientist/geologist/oceanographer	71,300	12,800	58,500	33,300	6,600	26,700	27,200	5,000	22,100	10,200	1,200	9,000
Physicist/astronomer	30,500	3,400	27,100	5,100	600	4,500	8,300	1,500	6,800	16,800	1,300	15,500
Other physical scientist	37,300	13,100	24,200	22,300	8,500	13,800	10,200	3,900	6,300	4,000	700	3,300
Postsecondary teacher	51,700	14,400	37,400	9,800	3,700	6,100	12,100	5,600	6,500	29,600	5,000	24,600
Psychologist	212,000	136,600	75,400	15,900	9,300	6,500	107,600	77,800	29,800	74,700	39,500	35,200
Psychologist	180,800	120,900	59,900	14,000	8,100	5,900	99,800	73,400	26,400	54,600	30,400	24,200
Postsecondary teacher	31,200	15,700	15,500	1,900	1,300	S	7,800	4,400	3,400	20,100	9,100	11,000
Social scientist	282,600	121,500	161,100	107,600	50,800	56,800	106,200	46,000	60,200	65,000	22,800	42,200
Economist	34,500	10,400	24,100	8,800	2,400	6,500	16,500	6,400	10,100	8,500	1,700	6,900
Political scientist	14,200	6,900	7,300	8,600	5,600	3,000	4,000	1,000	3,000	1,500	400	1,100
Sociologist/anthropologist	21,700	12,600	9,100	8,700	5,900	2,900	7,900	4,200	3,700	5,100	2,600	2,500
Other social scientist	137,800	63,800	74,000	74,200	33,400	40,800	55,800	25,800	30,000	6,200	3,200	3,000
Postsecondary teacher	74,400	27,600	46,700	7,200	3,500	3,700	22,100	8,600	13,500	43,700	15,000	28,700
Engineer	1,554,900	172,300	1,382,500	1,009,500	107,400	902,100	449,600	55,500	394,100	93,400	8,600	84,800
Aerospace engineer	95,200	9,400	85,800	53,200	4,800	48,400	36,700	4,400	32,300	5,100	200	4,900
Chemical engineer	74,600	14,700	60,000	45,200	10,700	34,500	20,500	3,200	17,300	9,000	700	8,200
Civil engineer	247,300	31,300	216,000	173,800	20,700	153,100	68,300	10,300	58,100	5,100	400	4,800
Electrical engineer	367,400	35,200	332,200	228,900	20,700	208,200	117,500	12,900	104,600	20,700	1,500	19,200
Industrial engineer	85,700	10,400	75,300	60,500	7,000	53,400	22,600	3,200	19,400	2,400	200	2,200
Mechanical engineer	272,100	17,800	254,200	187,900	12,400	175,500	74,100	4,900	69,200	9,600	500	9,000
Other engineer	379,600	49,100	330,500	254,600	30,600	224,000	102,100	14,900	87,200	21,900	2,900	19,000
Postsecondary teacher	33,000	4,400	28,600	5,400	500	5,000	7,800	1,700	6,100	19,600	2,200	17,400
S&E related occupations	5,220,600	2,886,900	2,333,700	2,938,500	1,837,400	1,101,100	1,196,200	717,200	479,000	81,700	29,800	51,900
Health related occupation	3,404,800	2,207,300	1,197,500	1,812,700	1,437,400	375,300	568,300	454,100	114,200	33,700	18,200	15,400

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-5. Employed scientists and engineers, by occupation, highest degree level, and sex: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
S&E manager	385,700	112,200	273,500	219,200	64,900	154,300	135,300	42,100	93,200	26,000	4,800	21,200
S&E precollege teacher	715,900	372,200	343,800	356,800	190,600	166,200	341,100	172,700	168,400	11,900	5,100	6,800
S&E technician/technologist	499,600	143,000	356,600	401,100	107,800	293,300	89,400	33,100	56,200	7,500	1,500	6,100
Other S&E related occupation	214,500	52,100	162,300	148,700	36,800	111,900	62,100	15,200	46,900	2,600	S	2,500
Non-S&E occupations	7,871,300	3,364,900	4,506,400	4,746,600	2,041,800	2,704,800	2,327,400	1,067,700	1,259,700	220,200	64,900	155,300
Art, humanities and related occupation	247,700	130,400	117,300	159,900	88,600	71,400	73,700	36,400	37,300	9,600	3,700	5,900
Management related occupation	1,310,600	530,700	779,900	793,500	337,800	455,700	457,400	172,000	285,500	31,300	8,600	22,700
Non-S&E manager	919,700	201,000	718,700	455,300	87,600	367,700	362,100	88,400	273,700	73,400	19,000	54,400
Non-S&E postsecondary teacher	139,200	61,100	78,000	25,800	12,900	12,900	63,000	30,700	32,300	45,400	15,500	29,900
Non-S&E precollege teacher	599,800	472,300	127,400	303,600	247,600	56,000	283,100	216,600	66,500	8,100	3,900	4,100
Sales and marketing occupation	1,322,100	431,300	890,800	980,000	327,200	652,800	303,500	96,100	207,500	17,700	3,900	13,900
Social services and related occupation	621,000	422,900	198,000	240,000	169,400	70,600	352,800	246,000	106,800	12,300	3,200	9,100
Other non-S&E occupation	2,711,400	1,115,100	1,596,300	1,788,500	770,800	1,017,700	431,700	181,500	250,200	22,400	7,200	15,300

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. All degrees includes professional degrees not shown separately. Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientist and Engineers Statistical Data System (SESTAT).

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
All degrees	18,019,400	13,953,800	1,721,900	1,036,200	936,900	76,200
S&E occupations	4,927,500	3,706,100	697,100	215,800	214,300	17,300
Scientist	3,372,700	2,509,100	502,300	163,000	134,500	12,500
Biological/life scientist	554,500	422,500	78,500	20,400	23,100	3,900
Agricultural/food scientist	48,500	40,300	4,600	1,400	1,800	S
Biological/medical scientist	298,500	211,500	57,600	9,500	14,100	2,000
Forestry and conservation scientist	39,500	36,900	S	800	1,200	S
Postsecondary teacher	168,100	133,800	16,200	8,700	6,100	1,300
Computer and information scientist	1,883,400	1,335,800	342,900	96,600	72,800	3,200
Computer/information scientist	1,849,000	1,308,800	338,600	95,300	71,200	3,200
Postsecondary teacher	34,400	27,000	4,300	1,300	1,500	S
Mathematical scientist	125,100	95,700	14,600	9,300	3,800	400
Mathematical scientist	67,000	52,800	7,700	3,600	1,800	S
Postsecondary teacher	58,000	42,900	6,900	5,800	2,000	S
Physical scientist	315,100	248,900	38,600	8,800	12,600	1,500
Chemist, except biochemist	124,200	86,700	22,900	5,700	6,100	400
Earth scientist/geologist/oceanographer	71,300	64,800	2,600	500	2,200	300
Physicist/astronomer	30,500	24,200	4,900	600	600	S
Other physical scientist	37,300	30,700	2,800	900	1,900	S
Postsecondary teacher	51,700	42,500	5,400	1,000	1,800	200
Psychologist	212,000	180,200	7,000	10,300	11,100	1,000
Psychologist	180,800	154,600	5,200	8,900	9,500	800
Postsecondary teacher	31,200	25,600	1,800	1,400	1,600	200
Social scientist	282,600	225,900	20,700	17,700	11,200	2,500
Economist	34,500	26,600	3,800	2,600	900	S
Political scientist	14,200	11,500	300	600	1,000	S
Sociologist/anthropologist	21,700	18,100	100	1,700	1,600	S
Other social scientist	137,800	109,900	10,300	8,800	4,800	S
Postsecondary teacher	74,400	59,700	6,300	4,000	2,900	600
Engineer	1,554,900	1,197,000	194,800	52,800	79,700	4,800
Aerospace engineer	95,200	77,900	7,100	2,300	4,500	S
Chemical engineer	74,600	54,700	12,600	1,900	3,200	1,100
Civil engineer	247,300	187,900	24,200	8,200	17,400	1,300
Electrical engineer	367,400	252,900	77,100	14,600	17,900	500
Industrial engineer	85,700	64,200	8,000	5,100	7,500	S
Mechanical engineer	272,100	222,800	27,800	5,700	12,300	S
Other engineer	379,600	313,300	31,900	13,500	15,500	800
Postsecondary teacher	33,000	23,400	6,300	1,600	1,500	S
S&E related occupations	5,220,600	4,071,300	482,100	287,400	266,700	20,800
Health related occupation	3,404,800	2,602,700	350,300	197,600	175,600	13,200
S&E manager	385,700	326,900	27,500	12,900	11,800	1,500
S&E precollege teacher	715,900	596,700	14,400	49,900	41,000	3,200
S&E technician/technologist	499,600	372,400	71,100	19,800	26,300	1,600
Other S&E related occupation	214,500	172,600	18,900	7,300	11,900	S
Non-S&E occupations	7,871,300	6,176,500	542,700	533,000	456,000	38,100
Art, humanities and related occupation	247,700	205,500	9,800	9,200	19,200	S
Management related occupation	1,310,600	983,800	125,200	97,300	72,500	10,000
Non-S&E manager	919,700	779,000	44,500	47,600	37,400	3,200
Non-S&E postsecondary teacher	139,200	106,200	9,700	8,700	11,400	1,400
Non-S&E precollege teacher	599,800	463,500	18,700	57,800	47,200	2,700
Sales and marketing occupation	1,322,100	1,080,600	102,000	53,300	57,400	5,200
Social services and related occupation	621,000	449,800	18,700	84,400	51,800	5,000
Other non-S&E occupation	2,711,400	2,108,000	214,100	174,600	159,200	9,400
Bachelor's	10,484,300	8,131,800	871,500	647,900	588,300	47,100
S&E occupations	2,799,200	2,178,700	278,900	139,400	138,900	11,000

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Scientist	1,789,700	1,374,000	194,500	99,900	82,300	6,800
Biological/life scientist	195,500	157,100	15,900	7,800	8,700	2,900
Agricultural/food scientist	26,100	22,900	1,200	S	S	S
Biological/medical scientist	118,200	90,600	12,800	4,800	5,800	1,700
Forestry and conservation scientist	28,600	26,400	S	S	1,100	S
Postsecondary teacher	22,600	17,200	1,900	1,800	700	S
Computer and information scientist	1,292,700	976,400	160,400	73,900	57,100	2,400
Computer/information scientist	1,281,400	966,600	160,000	73,600	56,400	2,400
Postsecondary teacher	11,300	9,800	S	S	700	S
Mathematical scientist	38,700	32,500	1,600	2,700	900	S
Mathematical scientist	28,800	24,900	S	1,700	S	S
Postsecondary teacher	9,900	7,600	S	1,100	200	S
Physical scientist	139,400	111,100	11,000	5,500	7,800	900
Chemist, except biochemist	68,900	50,600	7,300	4,100	4,600	S
Earth scientist/geologist/oceanographer	33,300	31,200	S	S	900	S
Physicist/astronomer	5,100	3,600	900	S	200	S
Other physical scientist	22,300	18,900	1,100	S	1,100	S
Postsecondary teacher	9,800	6,900	S	200	900	S
Psychologist	15,900	11,500	S	1,400	2,300	S
Psychologist	14,000	10,200	S	S	1,800	S
Postsecondary teacher	1,900	1,300	S	S	S	S
Social scientist	107,600	85,300	4,900	8,600	5,600	S
Economist	8,800	6,000	S	S	500	S
Political scientist	8,600	6,600	S	S	S	S
Sociologist/anthropologist	8,700	6,600	S	S	1,300	S
Other social scientist	74,200	59,600	3,900	5,600	2,700	S
Postsecondary teacher	7,200	6,500	S	S	S	S
Engineer	1,009,500	804,700	84,400	39,500	56,600	4,100
Aerospace engineer	53,200	42,500	3,800	1,900	2,600	S
Chemical engineer	45,200	35,300	4,300	1,200	2,100	S
Civil engineer	173,800	134,900	11,100	6,200	13,200	1,300
Electrical engineer	228,900	164,600	36,600	11,100	13,400	S
Industrial engineer	60,500	46,600	3,400	4,500	5,200	S
Mechanical engineer	187,900	159,000	12,100	4,500	9,800	S
Other engineer	254,600	217,700	12,300	9,800	10,100	600
Postsecondary teacher	5,400	4,000	800	S	300	S
S&E related occupations	2,938,500	2,272,200	246,100	184,600	157,900	14,000
Health related occupation	1,812,700	1,364,800	171,800	131,000	92,200	7,300
S&E manager	219,200	188,100	12,100	8,800	6,200	S
S&E precollege teacher	356,800	292,200	6,500	22,700	26,900	3,000
S&E technician/technologist	401,100	309,100	42,200	16,800	23,500	1,600
Other S&E related occupation	148,700	118,000	13,400	5,300	9,100	S
Non-S&E occupations	4,746,600	3,680,900	346,500	323,900	291,500	22,100
Art, humanities and related occupation	159,900	128,200	6,000	5,700	16,000	S
Management related occupation	793,500	598,800	69,500	58,300	47,300	5,300
Non-S&E manager	455,300	390,000	19,200	21,200	20,800	S
Non-S&E postsecondary teacher	25,800	18,600	2,300	1,600	3,200	S
Non-S&E precollege teacher	303,600	225,500	10,700	28,600	31,500	1,000
Sales and marketing occupation	980,000	811,600	70,800	40,400	38,800	2,600
Social services and related occupation	240,000	158,300	7,900	41,800	24,100	3,300
Other non-S&E occupation	1,788,500	1,350,000	160,100	126,400	109,800	7,300
Master's	4,976,800	3,854,400	524,500	292,200	216,700	19,500
S&E occupations	1,453,300	1,035,400	288,300	53,100	52,900	2,900
Scientist	1,003,700	703,700	207,500	41,800	32,600	2,700
Biological/life scientist	128,700	102,200	14,400	5,100	5,200	S
Agricultural/food scientist	12,500	9,700	1,900	400	S	S

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Biological/medical scientist	62,700	46,600	10,300	1,400	3,600	S
Forestry and conservation scientist	9,000	9,000	S	S	S	S
Postsecondary teacher	44,500	36,900	2,200	3,300	1,200	S
Computer and information scientist	526,900	317,900	164,400	20,700	14,600	700
Computer/information scientist	514,700	308,600	162,700	20,100	14,000	700
Postsecondary teacher	12,200	9,300	1,600	S	S	S
Mathematical scientist	51,300	39,000	5,800	3,900	2,100	S
Mathematical scientist	25,300	19,100	3,700	1,600	800	S
Postsecondary teacher	26,000	19,900	2,100	2,300	1,300	S
Physical scientist	82,900	66,500	10,100	1,900	2,900	S
Chemist, except biochemist	25,300	15,800	7,200	1,100	900	S
Earth scientist/geologist/oceanographer	27,200	25,000	S	S	1,000	S
Physicist/astronomer	8,300	7,200	800	S	S	S
Other physical scientist	10,200	8,500	S	S	700	S
Postsecondary teacher	12,100	10,100	1,500	200	100	S
Psychologist	107,600	91,400	3,800	5,500	5,100	S
Psychologist	99,800	85,500	2,600	5,300	4,900	S
Postsecondary teacher	7,800	5,800	S	S	S	S
Social scientist	106,200	86,700	9,100	4,700	2,600	S
Economist	16,500	13,200	2,000	600	S	S
Political scientist	4,000	3,700	S	S	S	S
Sociologist/anthropologist	7,900	7,000	S	S	S	S
Other social scientist	55,800	44,900	5,600	2,300	1,400	S
Postsecondary teacher	22,100	18,000	1,300	1,200	900	S
Engineer	449,600	331,700	80,800	11,300	20,400	S
Aerospace engineer	36,700	31,300	2,300	S	1,900	S
Chemical engineer	20,500	14,100	5,600	S	500	S
Civil engineer	68,300	49,900	11,400	1,900	4,000	S
Electrical engineer	117,500	76,900	31,600	3,300	4,100	S
Industrial engineer	22,600	15,700	3,900	600	2,200	S
Mechanical engineer	74,100	57,900	11,800	1,100	2,400	S
Other engineer	102,100	80,300	12,800	3,500	5,000	S
Postsecondary teacher	7,800	5,700	1,300	S	500	S
S&E related occupations	1,196,200	983,100	86,600	64,600	43,700	3,500
Health related occupation	568,300	468,500	38,700	31,300	20,800	2,700
S&E manager	135,300	113,900	11,000	3,100	4,800	S
S&E precollege teacher	341,100	290,500	7,400	25,300	12,600	S
S&E technician/technologist	89,400	58,200	25,100	2,900	2,700	S
Other S&E related occupation	62,100	52,000	4,600	2,000	2,900	S
Non-S&E occupations	2,327,400	1,835,900	149,500	174,600	120,100	13,100
Art, humanities and related occupation	73,700	65,300	2,300	3,300	2,800	S
Management related occupation	457,400	337,500	49,700	36,000	22,400	4,500
Non-S&E manager	362,100	302,700	18,300	21,100	13,800	1,500
Non-S&E postsecondary teacher	63,000	48,900	2,900	3,700	5,400	S
Non-S&E precollege teacher	283,100	228,700	7,800	28,300	14,300	S
Sales and marketing occupation	303,500	238,500	26,600	12,000	16,200	S
Social services and related occupation	352,800	272,100	9,300	39,300	24,100	1,600
Other non-S&E occupation	431,700	342,300	32,700	30,900	21,100	S
Doctorate	883,700	660,900	151,200	34,500	29,300	4,400
S&E occupations	581,800	424,300	116,100	19,200	17,200	3,400
Scientist	488,400	365,500	86,700	17,300	14,500	3,000
Biological/life scientist	171,600	122,900	37,200	4,600	5,600	900
Agricultural/food scientist	9,200	7,200	1,300	300	300	S
Biological/medical scientist	102,600	65,700	30,500	2,400	3,500	300
Forestry and conservation scientist	1,800	1,500	S	S	S	S
Postsecondary teacher	58,000	48,400	5,300	1,700	1,800	400

TABLE H-6. Employed scientists and engineers, by occupation, highest degree level, and race/ethnicity: 2003

Highest degree and occupation	All races/ethnicities	White	Asian	Black	Hispanic	American Indian/Alaska Native
Computer and information scientist	53,400	33,400	16,900	1,800	1,000	200
Computer/information scientist	42,600	25,600	14,600	1,300	800	S
Postsecondary teacher	10,900	7,800	2,300	500	300	S
Mathematical scientist	33,000	22,600	6,800	2,700	900	S
Mathematical scientist	11,000	7,300	3,000	300	300	S
Postsecondary teacher	22,100	15,400	3,800	2,400	500	S
Physical scientist	90,500	69,200	17,400	1,400	1,900	500
Chemist, except biochemist	29,900	20,300	8,200	600	600	200
Earth scientist/geologist/oceanographer	10,200	8,000	1,800	S	300	S
Physicist/astronomer	16,800	13,300	3,100	100	200	S
Other physical scientist	4,000	2,600	1,300	100	S	S
Postsecondary teacher	29,600	25,200	2,900	600	800	200
Psychologist	74,700	66,100	2,000	3,000	2,500	700
Psychologist	54,600	48,800	1,400	2,000	1,700	500
Postsecondary teacher	20,100	17,400	600	900	800	200
Social scientist	65,000	51,200	6,400	3,800	2,500	700
Economist	8,500	6,800	1,100	300	300	S
Political scientist	1,500	1,200	S	100	100	S
Sociologist/anthropologist	5,100	4,500	100	300	100	S
Other social scientist	6,200	4,600	600	500	400	S
Postsecondary teacher	43,700	34,200	4,500	2,600	1,600	500
Engineer	93,400	58,700	29,400	1,900	2,600	400
Aerospace engineer	5,100	4,000	1,000	100	S	S
Chemical engineer	9,000	5,300	2,700	300	700	S
Civil engineer	5,100	3,100	1,700	S	200	S
Electrical engineer	20,700	11,300	8,700	300	400	S
Industrial engineer	2,400	1,700	700	S	S	S
Mechanical engineer	9,600	5,500	3,800	100	200	S
Other engineer	21,900	14,400	6,700	200	400	S
Postsecondary teacher	19,600	13,600	4,100	900	700	S
S&E related occupations	81,700	62,100	12,200	3,300	3,200	300
Health related occupation	33,700	24,500	4,800	1,400	2,500	100
S&E manager	26,000	21,000	3,600	800	400	100
S&E precollege teacher	11,900	10,000	300	1,200	300	S
S&E technician/technologist	7,500	4,500	3,000	S	S	S
Other S&E related occupation	2,600	2,200	400	S	S	S
Non-S&E occupations	220,200	174,600	22,800	12,000	8,900	700
Art, humanities and related occupation	9,600	8,400	1,000	100	100	S
Management related occupation	31,300	24,200	4,800	1,100	1,100	S
Non-S&E manager	73,400	61,900	5,900	3,800	1,500	200
Non-S&E postsecondary teacher	45,400	35,200	4,400	2,800	2,100	100
Non-S&E precollege teacher	8,100	6,100	200	300	1,300	S
Sales and marketing occupation	17,700	13,800	3,200	200	400	S
Social services and related occupation	12,300	8,500	700	2,300	600	S
Other non-S&E occupation	22,400	16,500	2,500	1,200	1,700	S

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientist and Engineer Statistical Data System (SESTAT).

TABLE H-7. Employed scientists and engineers, by occupation, highest degree level, race/ethnicity and sex: 2003

Highest degree and occupation	All races/ethnicities		White		Asian		Black		Hispanic		American Indian/ Alaska Native	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
All degrees	7,582,200	10,437,200	5,694,700	8,259,200	704,800	1,017,100	583,000	453,200	427,600	509,300	38,400	37,800
S&E occupations	1,330,500	3,597,100	966,100	2,740,000	186,600	510,500	88,900	126,900	62,900	151,400	5,200	12,200
Scientist	1,158,200	2,214,500	854,700	1,654,400	154,900	347,400	78,300	84,700	49,900	84,600	4,200	8,300
Biological/life scientist	240,400	314,200	181,300	241,200	32,500	46,000	11,600	8,700	11,500	11,700	700	3,200
Computer and information scientist	519,700	1,363,700	359,400	976,500	91,900	251,000	40,700	55,900	18,000	54,700	1,200	2,100
Mathematical scientist	50,100	75,000	36,900	58,900	5,200	9,400	5,900	3,400	1,500	2,300	S	S
Physical scientist	89,900	225,100	65,200	183,700	14,100	24,600	2,700	6,100	5,000	7,600	600	900
Psychologist	136,600	75,400	113,600	66,700	4,200	2,900	8,000	2,300	8,400	2,700	500	500
Social scientist	121,500	161,100	98,400	127,500	7,100	13,600	9,300	8,300	5,500	5,700	800	1,700
Engineers	172,300	1,382,500	111,400	1,085,600	31,700	163,100	10,600	42,200	13,000	66,800	900	3,800
S&E related occupations	2,886,900	2,333,700	2,214,500	1,856,800	265,800	216,400	201,800	85,600	137,400	129,300	13,000	7,800
Non-S&E occupations	3,364,900	4,506,400	2,514,100	3,662,400	252,400	290,300	292,300	240,700	227,400	228,600	20,300	17,800
Bachelor's	4,575,300	5,909,100	3,419,500	4,712,300	397,000	474,500	362,300	285,600	277,800	310,500	26,800	20,200
S&E occupations	696,000	2,103,200	514,700	1,664,000	74,900	204,000	54,500	84,900	37,100	101,800	2,900	8,100
Scientist	588,600	1,201,100	443,600	930,500	59,100	135,400	46,500	53,500	29,000	53,300	2,200	4,600
Biological/life scientist	93,500	102,000	72,500	84,600	9,400	6,500	4,900	2,900	5,300	3,300	S	2,600
Computer and information scientist	367,300	925,400	271,100	705,300	42,200	118,100	32,600	41,300	15,300	41,800	900	1,500
Mathematical scientist	18,200	20,500	15,700	16,800	700	S	1,000	1,700	700	S	S	S
Physical scientist	49,400	90,000	36,500	74,700	5,500	5,500	2,000	3,400	3,100	4,600	500	S
Psychologist	9,300	6,500	6,900	4,600	S	S	S	S	1,600	S	S	S
Social scientist	50,800	56,800	40,900	44,400	S	3,800	5,300	3,300	2,800	2,800	S	S
Engineers	107,400	902,100	71,100	733,600	15,900	68,500	8,100	31,400	8,100	48,500	600	3,500
S&E related occupations	1,837,400	1,101,100	1,397,600	874,600	159,600	86,500	138,300	46,300	90,600	67,300	9,800	4,200
Non-S&E occupations	2,041,800	2,704,800	1,507,200	2,173,600	162,500	184,000	169,500	154,400	150,100	141,400	14,100	8,000
Master's	2,221,900	2,754,900	1,705,700	2,148,700	195,900	328,600	178,100	114,100	105,200	111,500	7,800	11,700
S&E occupations	437,000	1,016,200	305,800	729,600	81,500	206,800	24,400	28,700	17,100	35,900	1,200	1,800
Scientist	381,500	622,100	271,200	432,500	68,500	139,000	22,200	19,600	12,600	20,000	1,000	1,700
Biological/life scientist	66,400	62,300	51,300	50,900	7,500	6,900	4,100	1,000	2,700	2,600	S	S
Computer and information scientist	142,000	384,800	81,700	236,200	46,800	117,500	7,600	13,100	2,300	12,300	S	S
Mathematical scientist	22,300	29,100	15,900	23,100	2,600	3,200	2,800	1,100	700	1,400	S	S
Physical scientist	27,000	55,900	19,000	47,500	5,600	4,400	400	1,500	1,500	1,300	S	S
Psychologist	77,800	29,800	65,300	26,100	2,000	1,800	4,800	700	4,100	1,100	S	S
Social scientist	46,000	60,200	38,100	48,600	3,900	5,200	2,500	2,300	1,300	1,300	S	S
Engineers	55,500	394,100	34,600	297,100	13,000	67,800	2,300	9,000	4,500	15,900	S	S
S&E related occupations	717,200	479,000	592,700	390,300	41,900	44,800	46,200	18,300	26,500	17,200	2,000	1,500
Non-S&E occupations	1,067,700	1,259,700	807,200	1,028,800	72,500	77,000	107,500	67,100	61,600	58,400	4,600	8,500

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-7. Employed scientists and engineers, by occupation, highest degree level, race/ethnicity and sex: 2003

Highest degree and occupation	All races/ethnicities		White		Asian		Black		Hispanic		American Indian/ Alaska Native	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
Doctorate	256,900	626,900	192,700	468,200	35,100	116,100	14,800	19,700	10,900	18,400	1,400	3,000
S&E occupations	162,200	419,600	121,200	303,100	24,400	91,700	8,500	10,600	6,100	11,100	1,100	2,300
Scientist	153,500	334,800	116,200	249,300	21,600	65,100	8,300	8,900	5,700	8,800	900	2,100
Biological/life scientist	61,200	110,500	45,300	77,600	11,200	26,100	1,900	2,700	2,200	3,500	300	500
Computer and information scientist	8,200	45,200	4,600	28,800	2,600	14,300	600	1,200	400	700	S	200
Mathematical scientist	8,500	24,500	4,600	18,000	1,600	5,200	2,100	500	100	700	S	S
Physical scientist	13,300	77,300	9,700	59,600	2,900	14,500	300	1,100	300	1,600	100	400
Psychologist	39,500	35,200	33,600	32,500	1,600	500	2,100	800	1,600	900	300	400
Social scientist	22,800	42,200	18,400	32,900	1,800	4,600	1,200	2,600	1,000	1,500	100	500
Engineers	8,600	84,800	5,000	53,700	2,800	26,600	200	1,700	400	2,300	S	200
S&E related occupations	29,800	51,900	22,700	39,400	4,200	8,000	1,400	2,000	1,000	2,200	100	200
Non-S&E occupations	64,900	155,300	48,800	125,700	6,400	16,400	4,900	7,100	3,800	5,100	200	500

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. All degrees includes professional degrees not shown separately. Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientist and Engineers Statistical Data System (SESTAT).

TABLE H-8. Employed scientists and engineers, by occupation, highest degree level, and disability status: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Total	No disability	With disability	Total	No disability	With disability	Total	No disability	With disability	Total	No disability	With disability
All occupations	18,019,400	17,022,100	997,300	10,484,300	9,911,900	572,500	4,976,800	4,697,000	279,900	883,700	824,600	59,200
S&E occupations	4,927,500	4,678,100	249,500	2,799,200	2,663,100	136,200	1,453,300	1,382,900	70,400	581,800	543,700	38,100
Scientist	3,372,700	3,200,800	171,800	1,789,700	1,702,700	87,000	1,003,700	955,400	48,300	488,400	456,600	31,800
Biological/life scientist	554,500	523,600	31,000	195,500	183,100	12,300	128,700	121,800	7,000	171,600	161,500	10,100
Agricultural/food scientist	48,500	45,300	3,200	26,100	24,500	1,500	12,500	11,500	1,000	9,200	8,700	500
Biological/medical scientist	298,500	284,800	13,700	118,200	112,300	5,900	62,700	60,300	2,500	102,600	97,400	5,200
Forestry and conservation scientist	39,500	35,300	4,200	28,600	25,600	3,000	9,000	7,900	S	1,800	1,700	S
Postsecondary teacher	168,100	158,100	9,900	22,600	20,700	1,900	44,500	42,100	2,400	58,000	53,600	4,300
Computer and information scientist	1,883,400	1,796,600	86,800	1,292,700	1,231,200	61,500	526,900	505,300	21,600	53,400	50,500	2,900
Computer/information scientist	1,849,000	1,763,900	85,100	1,281,400	1,220,500	60,900	514,700	493,500	21,200	42,600	40,300	2,300
Postsecondary teacher	34,400	32,800	1,600	11,300	10,700	S	12,200	11,800	S	10,900	10,200	700
Mathematical scientist	125,100	117,100	8,000	38,700	36,400	2,300	51,300	47,800	3,500	33,000	31,300	1,800
Mathematical scientist	67,000	62,800	4,300	28,800	26,800	2,100	25,300	24,100	1,200	11,000	10,400	600
Postsecondary teacher	58,000	54,300	3,700	9,900	9,600	S	26,000	23,700	2,300	22,100	20,900	1,200
Physical scientist	315,100	299,500	15,600	139,400	134,400	5,000	82,900	78,300	4,600	90,500	85,300	5,200
Chemist, except biochemist	124,200	118,800	5,400	68,900	65,600	3,300	25,300	24,500	S	29,900	28,600	1,400
Earth scientist/geologist/oceanographer	71,300	67,200	4,100	33,300	32,300	1,000	27,200	25,500	1,700	10,200	9,400	800
Physicist/astronomer	30,500	29,300	1,200	5,100	5,100	S	8,300	8,100	S	16,800	15,900	900
Other physical scientist	37,300	36,300	1,000	22,300	21,700	S	10,200	9,900	S	4,000	3,900	100
Postsecondary teacher	51,700	47,900	3,900	9,800	9,700	S	12,100	10,300	S	29,600	27,600	2,100
Psychologist	212,000	197,200	14,800	15,900	15,400	S	107,600	100,400	7,200	74,700	68,700	6,000
Psychologist	180,800	168,900	11,900	14,000	13,500	S	99,800	93,700	6,100	54,600	50,400	4,200
Postsecondary teacher	31,200	28,300	3,000	1,900	1,900	S	7,800	6,700	1,100	20,100	18,300	1,900
Social scientist	282,600	266,900	15,700	107,600	102,100	5,500	106,200	101,800	4,400	65,000	59,300	5,700
Economist	34,500	32,700	1,800	8,800	8,400	S	16,500	15,700	S	8,500	7,900	600
Political scientist	14,200	12,700	1,500	8,600	7,600	S	4,000	3,800	S	1,500	1,200	300
Sociologist/anthropologist	21,700	20,200	1,500	8,700	7,800	S	7,900	7,700	S	5,100	4,800	300
Other social scientist	137,800	133,000	4,800	74,200	71,200	3,000	55,800	54,600	S	6,200	5,700	500
Postsecondary teacher	74,400	68,300	6,100	7,200	7,100	S	22,100	20,100	2,000	43,700	39,700	4,000
Engineer	1,554,900	1,477,200	77,600	1,009,500	960,300	49,200	449,600	427,500	22,100	93,400	87,100	6,300
Aerospace engineer	95,200	91,000	4,200	53,200	50,700	2,500	36,700	35,300	1,400	5,100	4,800	300
Chemical engineer	74,600	71,300	3,400	45,200	42,900	2,200	20,500	20,000	500	9,000	8,300	600
Civil engineer	247,300	233,500	13,800	173,800	163,800	10,000	68,300	64,800	3,500	5,100	4,800	300
Electrical engineer	367,400	352,400	15,100	228,900	221,200	7,700	117,500	111,100	6,400	20,700	19,900	900
Industrial engineer	85,700	81,000	4,700	60,500	57,900	2,600	22,600	21,400	1,100	2,400	1,500	S
Mechanical engineer	272,100	259,500	12,600	187,900	178,600	9,300	74,100	71,400	2,700	9,600	9,000	600
Other engineer	379,600	358,500	21,000	254,600	240,200	14,400	102,100	96,800	5,300	21,900	20,600	1,300
Postsecondary teacher	33,000	30,100	2,900	5,400	5,100	S	7,800	6,700	1,100	19,600	18,300	1,300

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-8. Employed scientists and engineers, by occupation, highest degree level, and disability status: 2003

Occupation	All degrees			Bachelor's			Master's			Doctorate		
	Total	No disability	With disability	Total	No disability	With disability	Total	No disability	With disability	Total	No disability	With disability
S&E related occupations	5,220,600	4,970,100	250,500	2,938,500	2,788,600	149,900	1,196,200	1,136,100	60,100	81,700	77,600	4,100
Health related occupation	3,404,800	3,262,300	142,500	1,812,700	1,730,500	82,200	568,300	545,600	22,800	33,700	32,000	1,600
S&E manager	385,700	370,100	15,600	219,200	210,800	8,400	135,300	130,000	5,300	26,000	24,300	1,700
S&E precollege teacher	715,900	667,200	48,700	356,800	331,300	25,400	341,100	318,300	22,800	11,900	11,500	400
S&E technician/technologist	499,600	473,700	25,900	401,100	379,700	21,400	89,400	85,200	4,200	7,500	7,300	300
Other S&E related occupation	214,500	196,700	17,700	148,700	136,300	12,500	62,100	57,000	5,100	2,600	2,500	S
Non-S&E occupations	7,871,300	7,373,900	497,400	4,746,600	4,460,200	286,400	2,327,400	2,178,000	149,400	220,200	203,300	17,000
Art, humanities and related occupation	247,700	237,100	10,600	159,900	153,700	6,200	73,700	70,400	3,400	9,600	8,800	800
Management related occupation	1,310,600	1,232,800	77,700	793,500	743,200	50,300	457,400	432,800	24,600	31,300	29,800	1,500
Non-S&E manager	919,700	865,800	53,900	455,300	428,500	26,800	362,100	341,500	20,600	73,400	68,300	5,000
Non-S&E postsecondary teacher	139,200	124,400	14,700	25,800	23,300	2,600	63,000	57,000	6,000	45,400	40,400	5,000
Non-S&E precollege teacher	599,800	566,400	33,300	303,600	287,700	15,800	283,100	265,800	17,300	8,100	7,900	200
Sales and marketing occupation	1,322,100	1,249,100	73,000	980,000	934,400	45,700	303,500	278,800	24,700	17,700	16,000	1,700
Social services and related occupation	621,000	577,800	43,100	240,000	227,100	12,900	352,800	325,100	27,700	12,300	11,600	800
Other non-S&E occupation	2,711,400	2,520,400	191,000	1,788,500	1,662,300	126,200	431,700	406,500	25,200	22,400	20,400	2,000

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. All degrees includes professional degrees not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-9. Employment status of scientists and engineers, by age, sex, race/ethnicity, and disability status: 2003

Age in years, sex, race/ethnicity, and disability status	Total	Employed			Not employed		Retired
		Full time	Part time	Postdoctoral appointment	Seeking employment	Not seeking employment	
All ages	21,644,100	15,958,600	2,041,000	19,800	595,000	1,418,500	1,611,200
Female	9,514,800	6,122,600	1,451,800	7,800	254,700	1,152,300	525,600
Male	12,129,300	9,836,000	589,200	12,000	340,300	266,300	1,085,600
White	16,863,200	12,226,000	1,715,300	12,500	406,600	1,088,100	1,414,600
Asian	2,048,800	1,560,400	155,800	5,700	94,000	174,400	58,400
Black	1,199,200	974,400	61,200	600	46,000	50,000	66,900
Hispanic	1,093,800	866,300	69,800	800	33,700	76,000	47,200
American Indian/Alaska Native	94,500	68,300	7,800	S	4,100	8,800	5,400
No disability	20,137,300	15,112,600	1,890,700	18,800	533,500	1,254,300	1,327,400
With disability	1,506,900	846,000	150,300	1,000	61,500	164,300	283,800
29 and younger	2,367,000	1,814,400	223,600	1,200	76,600	251,100	S
Female	1,316,800	957,100	148,000	500	40,600	170,600	S
Male	1,050,200	857,300	75,600	700	36,100	80,500	S
White	1,661,300	1,297,800	155,400	900	45,100	162,100	S
Asian	333,600	232,400	32,500	300	15,000	53,400	S
Black	147,900	116,800	12,200	S	7,200	11,600	S
Hispanic	153,500	116,500	13,300	S	6,900	16,700	S
American Indian/Alaska Native	7,500	5,500	1,000	S	S	1,000	S
No disability	2,307,700	1,769,300	218,800	1,200	72,600	245,700	S
With disability	59,300	45,100	4,800	S	4,000	5,400	S
30-39	5,575,500	4,440,300	510,100	14,500	152,500	454,300	3,800
Female	2,643,700	1,707,000	443,800	5,700	81,700	401,800	3,700
Male	2,931,800	2,733,300	66,300	8,800	70,800	52,600	S
White	4,079,700	3,215,600	419,000	9,100	88,200	344,500	3,200
Asian	684,700	541,900	47,000	4,500	30,700	60,600	S
Black	326,000	282,700	13,100	400	14,100	15,100	S
Hispanic	350,300	287,700	20,800	400	15,900	25,600	S
American Indian/Alaska Native	19,500	17,000	700	S	S	S	S
No disability	5,421,400	4,328,200	494,500	13,900	145,100	436,100	3,800
With disability	154,100	112,100	15,600	600	7,500	18,300	S
40-49	5,885,300	4,777,900	544,200	3,000	154,400	375,900	29,900
Female	2,703,600	1,814,200	464,200	1,200	68,600	335,900	19,500
Male	3,181,600	2,963,700	80,000	1,800	85,800	40,000	10,400
White	4,568,600	3,668,800	466,600	1,700	109,800	296,000	25,700
Asian	535,800	435,900	38,800	800	20,800	38,100	1,400
Black	342,000	308,000	10,800	100	11,300	10,300	S
Hispanic	329,700	279,700	19,500	300	6,400	23,200	S
American Indian/Alaska Native	36,100	25,000	2,700	S	S	5,600	S
No disability	5,541,700	4,543,100	503,100	2,700	136,200	330,700	25,900
With disability	343,600	234,800	41,200	200	18,200	45,200	4,000
50 and older	7,816,300	4,926,000	763,100	1,100	211,400	337,200	1,577,500
Female	2,850,700	1,644,300	395,800	400	63,800	244,000	502,400
Male	4,965,700	3,281,700	367,300	700	147,600	93,200	1,075,100
White	6,553,500	4,043,800	674,300	800	163,500	285,400	1,385,800
Asian	494,700	350,100	37,500	S	27,400	22,400	57,000
Black	383,300	266,900	25,100	S	13,400	13,100	64,900
Hispanic	260,200	182,400	16,200	100	4,500	10,600	46,500
American Indian/Alaska Native	31,300	20,900	3,400	S	S	2,100	4,800
No disability	6,866,400	4,472,000	674,400	1,000	179,600	241,800	1,297,700
With disability	949,900	454,000	88,700	200	31,800	95,400	279,800

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-10. Employment status of scientists and engineers with disabilities, by age at onset of disability: 2003

Employment status	All ages	Since birth	Younger than					50 years or older
			10 years	10-19 years	20-29 years	30-39 years	40-49 years	
All scientists and engineers	1,506,900	86,000	105,100	178,000	159,400	198,200	393,000	387,200
Employed in S&E occupations	499,900	36,700	39,400	77,000	62,500	65,800	136,000	82,400
Employed in non-S&E occupations	497,400	34,300	39,900	63,500	48,700	64,900	156,400	89,600
Not employed, seeking employment	61,500	1,800	5,300	11,200	10,800	8,900	13,800	9,800
Not employed, not seeking employment	448,100	13,200	20,500	26,200	37,400	58,500	86,800	205,400

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-11. Scientists and engineers employed part time, by preference for full-time employment and reason for working part time, sex, race/ethnicity, and disability status: 2003

Preference and reason for part time	Race/ethnicity									
	Total	Sex		White	Asian	Black	Hispanic	American Indian/Alaska Native	Disability status	
		Female	Male						No disability	With disability
All part time	2,041,900	1,452,200	589,700	1,716,000	156,000	61,300	69,900	7,900	1,891,600	150,300
Preference for full-time status										
Did not want	1,758,900	1,299,500	459,400	1,513,100	120,600	42,300	53,800	6,000	1,644,000	114,900
Wanted	283,000	152,700	130,300	202,900	35,400	19,000	16,100	1,900	247,600	35,400
Reason for part-time status										
Chronic illness or permanent disability	71,100	38,200	32,900	59,000	3,100	4,800	3,000	500	44,500	26,600
Did not need/want to work full time	661,800	531,500	130,300	594,700	31,400	12,600	14,000	1,300	624,700	37,200
Family responsibilities	763,300	709,200	54,100	660,400	56,000	8,500	26,400	1,700	733,200	30,000
Retired	384,700	114,900	269,800	341,500	14,900	16,200	7,000	1,900	335,500	49,200
Student	230,000	139,100	90,900	151,600	43,800	11,800	14,100	1,300	220,800	9,300
Suitable full-time job not available	221,000	125,600	95,400	163,500	26,400	12,500	11,200	1,900	200,800	20,200
Other	241,300	173,800	67,500	196,600	17,900	11,700	9,800	1,500	222,000	19,300

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding and because respondents could select more than one reason. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-12. S&E doctorate holders who are unemployed or out of labor force, by reason for not working, sex, race/ethnicity, and disability status: 2003

Reason for not working	Race/ethnicity									
	Total	Sex		White	Asian	Black	Hispanic	American Indian/Alaska Native	Disability status	
		Female	Male						No disability	With disability
All not working	140,100	42,000	98,100	114,000	15,900	4,500	4,000	500	117,400	22,700
Chronic illness or permanent disability	6,800	1,800	4,900	4,900	900	600	400	S	2,500	4,200
Did not need/want to work	18,400	8,000	10,400	16,300	1,400	300	300	S	16,100	2,300
Family responsibilities	12,800	11,300	1,500	8,200	2,100	800	1,300	S	12,100	700
Laid off	12,100	3,200	8,900	8,200	3,300	400	100	S	11,300	800
Retired	97,400	18,300	79,100	84,300	7,400	2,600	1,700	300	79,400	18,000
Student	4,300	1,800	2,500	3,300	700	200	S	S	4,200	S
Suitable job not available	14,100	6,100	8,000	9,400	2,900	1,300	500	S	12,900	1,200
Other	6,600	3,500	3,100	4,700	1,400	100	300	S	5,300	1,300
	Percent distribution									
All not working	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Chronic illness or permanent disability	4.8	4.3	5.0	4.3	5.4	13.0	10.1	S	2.2	18.7
Did not need/want to work	13.1	19.1	10.6	14.3	9.0	5.9	6.5	S	13.7	9.9
Family responsibilities	9.1	26.9	1.5	7.2	13.4	18.4	32.0	S	10.3	3.1
Laid off	8.6	7.6	9.1	7.2	21.1	9.3	2.5	S	9.6	3.5
Retired	69.5	43.4	80.7	73.9	46.7	56.6	42.8	63.2	67.6	79.6
Student	3.0	4.2	2.5	2.9	4.5	4.5	S	S	3.6	S
Suitable job not available	10.1	14.4	8.2	8.3	18.1	28.2	11.9	S	11.0	5.4
Other	4.7	8.4	3.1	4.1	8.9	1.9	8.6	S	4.5	5.8

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding and because respondents could select more than one reason. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-13. Primary education/employment status and median salary of 2001 and 2002 S&E bachelor's degree recipients, by field, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All bachelor's degree recipients	Full-time student	Not full-time student				Median salary for full-time employed ^a (\$)
			S&E occupation	Employed in S&E-related occupation	Employed in non-S&E occupation	Not employed	
All S&E and health fields	937,700	222,000	157,700	129,500	358,700	69,800	36,000
Sciences	682,200	185,100	89,700	25,200	327,400	54,700	32,000
Female	383,600	106,100	34,300	18,600	189,900	34,700	30,000
Male	298,600	79,000	55,400	6,600	137,600	20,100	35,000
White	457,600	129,900	55,600	16,500	221,600	34,000	31,000
Asian	92,400	25,100	21,700	3,600	33,500	8,500	38,000
Underrepresented minority	132,200	30,200	12,400	5,100	72,300	12,200	32,000
No disability	652,300	179,000	85,800	23,700	313,000	50,800	32,000
With disability	29,800	6,000	3,900	1,500	14,500	3,900	34,000
Biological/life sciences	150,700	61,400	21,300	13,900	44,400	9,800	30,000
Female	89,200	34,000	12,400	9,800	26,400	6,600	29,000
Male	61,600	27,500	8,900	4,000	18,000	3,200	32,000
White	102,400	40,100	14,500	9,100	32,900	5,800	29,000
Asian	23,500	12,700	3,400	S	4,000	S	30,000
Underrepresented minority	24,900	8,600	3,400	2,900	7,400	2,500	32,000
No disability	146,500	60,500	21,100	13,000	42,600	9,200	30,000
With disability	4,300	900	S	S	1,700	S	33,000
Computer and information sciences	84,800	6,400	38,600	S	33,600	5,700	45,000
Female	24,700	2,500	9,300	S	11,500	1,400	44,000
Male	60,100	3,900	29,300	S	22,100	4,300	46,000
White	43,000	3,300	20,000	S	17,000	2,300	46,000
Asian	27,500	S	13,700	S	9,800	2,000	47,000
Underrepresented minority	14,300	1,200	4,900	S	6,800	1,400	40,000
No disability	79,400	6,300	35,800	S	31,800	5,100	45,000
With disability	5,400	S	2,800	S	1,800	S	50,000
Mathematical sciences	25,600	6,000	4,100	S	13,700	1,500	36,000
Female	11,800	2,100	2,200	S	6,500	900	35,000
Male	13,800	3,900	2,000	S	7,200	600	38,000
White	17,800	4,500	2,700	S	9,700	800	36,000
Asian	4,400	900	800	S	2,200	S	40,000
Underrepresented minority	3,400	700	600	S	1,800	300	36,000
No disability	24,100	5,800	3,900	S	12,800	1,400	37,000
With disability	1,500	S	S	S	900	S	34,000
Physical and related sciences	35,700	15,500	8,500	1,000	8,800	1,900	35,000
Female	16,800	7,100	3,700	900	4,200	1,000	34,000
Male	18,900	8,400	4,800	S	4,600	900	36,000
White	26,500	11,200	6,700	400	6,800	1,400	35,000
Asian	4,200	2,100	700	S	1,000	S	40,000
Underrepresented minority	5,000	2,200	1,100	500	1,000	200	34,000
No disability	34,600	15,100	8,200	1,000	8,400	1,900	35,000
With disability	1,100	500	300	S	300	S	35,000
Psychology	153,000	44,600	4,400	6,300	82,700	15,200	28,000
Female	114,200	31,800	2,100	5,400	62,200	12,700	28,000
Male	38,800	12,800	2,200	S	20,400	2,400	30,000
White	110,800	36,200	2,700	4,600	55,300	12,000	29,000
Asian	7,800	S	S	S	4,600	S	24,000
Underrepresented minority	34,400	7,800	1,000	S	22,700	2,500	28,000
No disability	146,200	43,500	4,400	5,800	78,400	14,200	29,000
With disability	6,800	1,100	S	S	4,200	S	27,000
Social and related sciences	232,300	51,000	12,900	3,400	144,400	20,600	30,000
Female	126,900	28,600	4,800	2,500	79,200	12,000	29,000
Male	105,300	22,500	8,100	900	65,200	8,600	35,000

TABLE H-13. Primary education/employment status and median salary of 2001 and 2002 S&E bachelor's degree recipients, by field, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All bachelor's degree recipients	Full-time student	Not full-time student				Median salary for full-time employed ^a (\$)
			S&E occupation	Employed in S&E-related occupation	Employed in non-S&E occupation	Not employed	
White	157,100	34,600	9,000	2,000	99,800	11,800	30,000
Asian	25,000	6,800	2,400	S	11,900	3,500	36,000
Underrepresented minority	50,200	9,700	1,400	1,000	32,700	5,300	30,000
No disability	221,600	47,800	12,600	3,200	138,900	19,100	30,000
With disability	10,700	3,200	S	S	5,500	1,500	30,000
Engineering	112,300	19,100	67,500	700	17,700	7,300	50,000
Female	24,000	4,100	13,300	300	4,100	2,200	49,000
Male	88,300	15,000	54,200	S	13,700	5,100	50,000
White	71,400	11,100	45,300	S	10,800	4,000	49,000
Asian	23,300	5,400	12,000	S	3,400	2,100	52,000
Underrepresented minority	17,600	2,700	10,200	S	3,500	1,200	48,000
No disability	108,600	18,500	65,200	600	17,400	6,900	50,000
With disability	3,700	600	2,200	S	300	S	48,000
Health	143,300	17,700	S	103,700	13,600	7,700	44,000
Female	122,800	13,500	S	90,500	11,100	7,400	44,000
Male	20,500	4,300	S	13,100	2,500	S	42,000
White	108,800	11,100	S	81,000	10,800	5,600	43,000
Asian	5,400	S	S	S	S	S	46,000
Underrepresented minority	29,100	4,600	S	19,500	2,700	2,100	43,000
No disability	140,900	17,500	S	102,700	13,100	7,100	43,000
With disability	2,400	S	S	S	S	S	46,000

S = suppressed data with weighted cases less than 100 or unweighted sample sizes less than 20 for reasons of respondent confidentiality or data reliability.

^a Salary data are for principal jobs only. Full-time employed are those working at least 35 hours per week at their principal jobs. Full-time students are excluded from salary data.

NOTES: Numbers are rounded to nearest 100, and median salaries are rounded to nearest \$1,000. Detail may not add to total because of rounding. The underrepresented minority category includes black, Hispanic, American Indian/Alaska Native, and Native Hawaiian/other Pacific Islander. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 2003.

TABLE H-14. Primary education/employment status and median salary of 2001 and 2002 S&E master's degree recipients, by field, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All master's degree recipients	Full-time student	Not full-time student				Median salary for full-time employed ^a (\$)
			Employed in S&E occupation	Employed in S&E-related occupation	Employed in non-S&E occupation	Not employed	
All S&E and health fields	246,700	40,900	75,800	58,900	51,600	19,400	52,000
Sciences	117,000	27,900	42,000	2,000	36,200	9,000	45,000
Female	62,800	14,400	18,900	1,600	22,000	5,900	40,000
Male	54,200	13,500	23,000	400	14,200	3,100	50,000
White	64,200	13,100	21,400	1,700	24,700	3,300	42,000
Asian	37,100	10,600	16,500	S	5,300	4,500	56,000
Underrepresented minority	15,700	4,200	4,100	200	6,100	1,100	43,000
No disability	112,100	26,300	40,700	2,000	34,500	8,600	45,000
With disability	4,900	1,600	1,300	S	1,700	300	40,000
Biological/life sciences	16,800	4,500	7,300	1,300	2,800	800	41,000
Female	9,400	2,400	3,600	1,200	1,600	700	38,000
Male	7,400	2,200	3,800	S	1,200	S	42,000
White	11,300	2,500	5,200	1,100	2,100	500	41,000
Asian	3,600	1,300	1,900	S	S	S	40,000
Underrepresented minority	1,900	700	300	S	500	200	38,000
No disability	16,400	4,300	7,200	1,300	2,800	800	41,000
With disability	400	S	S	S	S	S	39,000
Computer and information sciences	27,200	4,800	13,600	S	4,900	4,000	60,000
Female	10,200	2,200	4,400	S	1,500	2,100	58,000
Male	17,000	2,600	9,100	S	3,400	1,900	67,000
White	4,800	700	1,500	S	2,300	S	70,000
Asian	20,600	3,900	11,200	S	2,200	3,200	60,000
Underrepresented minority	1,800	S	900	S	300	400	54,000
No disability	26,000	4,500	13,100	S	4,400	3,900	63,000
With disability	1,200	S	S	S	S	S	50,000
Mathematical sciences	5,900	1,800	2,700	S	1,000	400	55,000
Female	2,300	500	1,000	S	500	300	51,000
Male	3,600	1,300	1,700	S	500	S	57,000
White	2,500	700	1,300	S	500	S	50,000
Asian	2,900	1,000	1,200	S	500	S	57,000
Underrepresented minority	400	100	200	S	100	S	55,000
No disability	5,900	1,800	2,700	S	1,000	400	55,000
With disability	S	S	S	S	S	S	S
Physical and related sciences	9,600	3,100	4,800	S	1,300	400	50,000
Female	3,400	700	1,800	S	600	200	45,000
Male	6,200	2,400	3,000	S	700	S	52,000
White	5,400	1,500	2,800	S	900	200	50,000
Asian	2,900	1,200	1,300	S	S	S	54,000
Underrepresented minority	1,300	400	700	S	100	S	48,000
No disability	9,300	3,000	4,700	S	1,300	400	50,000
With disability	200	S	S	S	S	S	62,000
Psychology	32,000	6,800	9,200	S	14,400	1,100	38,000
Female	23,500	4,500	6,500	S	11,300	900	38,000
Male	8,400	2,300	2,700	S	3,200	S	37,000
White	23,700	3,900	7,600	S	11,100	800	37,000
Asian	2,700	S	S	S	S	S	46,000
Underrepresented minority	5,600	1,500	1,100	S	2,700	300	38,000
No disability	29,900	6,600	8,600	S	13,500	900	38,000
With disability	2,000	S	S	S	1,000	S	30,000
Social and related sciences	25,500	6,800	4,400	300	11,700	2,400	43,000
Female	14,000	4,100	1,600	S	6,500	1,600	41,000
Male	11,600	2,700	2,700	S	5,200	800	43,000
White	16,500	3,800	3,100	S	7,900	1,400	43,000

TABLE H-14. Primary education/employment status and median salary of 2001 and 2002 S&E master's degree recipients, by field, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All master's degree recipients	Full-time student	Not full-time student				Median salary for full-time employed ^a (\$)
			Employed in S&E occupation	Employed in S&E-related occupation	Employed in non-S&E occupation	Not employed	
Asian	4,300	1,600	S	S	1,600	800	43,000
Underrepresented minority	4,700	1,300	900	S	2,300	200	42,000
No disability	24,600	6,100	4,400	300	11,400	2,300	43,000
With disability	1,000	600	S	S	300	S	45,000
Engineering	47,000	10,800	29,900	S	3,600	2,600	65,000
Female	9,200	2,000	5,200	S	900	1,000	60,000
Male	37,800	8,800	24,700	S	2,800	1,600	65,000
White	18,900	2,200	13,700	S	2,200	700	65,000
Asian	23,900	7,500	13,600	S	1,100	1,700	64,000
Underrepresented minority	4,200	1,100	2,600	S	300	200	65,000
No disability	45,700	10,600	29,100	S	3,500	2,400	65,000
With disability	1,300	S	700	S	S	S	65,000
Health	82,700	2,300	3,900	56,800	11,800	7,900	53,000
Female	64,300	S	2,600	45,500	7,300	7,900	50,000
Male	18,400	S	S	11,300	4,500	S	56,000
White	68,100	S	S	49,900	7,800	6,800	53,000
Asian	4,100	S	S	S	S	S	58,000
Underrepresented minority	10,500	S	1,900	3,400	4,000	S	52,000
No disability	79,200	2,300	3,900	55,400	11,000	6,600	53,000
With disability	3,500	S	S	S	S	S	43,000

S = suppressed data for weighted cases less than 100 or unweighted sample sizes less than 20 for respondent confidentiality and/or data reliability.

^a Salary data are for principal jobs only. Full-time employed are those working at least 35 hours per week at their principal jobs. Full-time students are excluded from salary data.

NOTES: Numbers are rounded to nearest 100, and median salaries are rounded to nearest \$1,000. Detail may not add to total because of rounding. The underrepresented minority category includes black, Hispanic, American Indian/Alaska Native, and Native Hawaiian/other Pacific Islander. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, National Survey of Recent College Graduates, 2003.

TABLE H-15. Employment status and median salary of 2001 and 2002 S&E doctoral degree recipients, by broad field of doctorate, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All recipients	Employed				Not employed		Median salary for full-time employed ^a (\$)
		Total	Full time	Part time	Postdoc appointment	Seeking work	Not seeking work	
All S&E fields	49,700	47,400	33,100	2,900	11,400	1,100	1,200	53,000
Female	20,200	18,900	12,400	2,100	4,400	500	900	50,000
Male	29,500	28,500	20,700	800	7,000	600	400	55,000
White	32,500	31,100	21,500	2,300	7,300	700	700	52,000
Asian	12,300	11,600	8,000	300	3,300	300	400	60,000
Black	2,500	2,400	1,900	100	300	S	S	55,000
Hispanic	1,900	1,800	1,300	100	400	S	100	51,000
American Indian/Alaska Native	300	200	200	S	S	S	S	56,000
No disability	47,500	45,300	31,700	2,700	10,900	1,100	1,100	53,000
With disability	2,200	2,100	1,400	200	500	S	S	55,000
Sciences	37,600	35,700	23,300	2,400	10,000	800	1,000	50,000
Female	16,600	15,400	9,600	1,800	4,000	400	800	48,000
Male	21,000	20,300	13,700	600	6,000	400	300	50,000
White	26,200	24,900	16,300	1,900	6,700	700	700	50,000
Asian	7,600	7,200	4,300	200	2,700	100	300	48,000
Black	1,900	1,900	1,400	100	300	S	S	50,000
Hispanic	1,500	1,400	1,000	100	300	S	100	49,000
American Indian/Alaska Native	200	200	100	S	S	S	S	50,000
No disability	35,800	34,100	22,300	2,200	9,500	800	1,000	50,000
With disability	1,700	1,600	1,000	200	500	S	S	48,000
Biological/life sciences	12,500	11,700	5,600	300	5,800	300	500	41,000
Female	5,500	5,000	2,200	200	2,600	100	300	40,000
Male	6,900	6,700	3,400	S	3,200	S	100	42,000
White	8,100	7,700	3,600	300	3,800	200	300	41,000
Asian	3,200	3,000	1,300	S	1,600	100	200	40,000
Black	500	500	300	S	100	S	S	45,000
Hispanic	500	500	300	S	200	S	S	45,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	12,000	11,300	5,400	300	5,600	300	500	41,000
With disability	400	400	200	S	200	S	S	38,000
Computer and information sciences	1,600	1,500	1,300	S	100	S	S	78,000
Female	300	300	200	S	S	S	S	75,000
Male	1,300	1,200	1,100	S	S	S	S	78,000
White	900	800	700	S	S	S	S	72,000
Asian	500	500	500	S	S	S	S	84,000
Black	100	100	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	1,500	1,500	1,300	S	100	S	S	78,000
With disability	S	S	S	S	S	S	S	S
Health sciences	3,100	3,000	2,400	300	400	S	S	59,000
Female	2,000	1,900	1,500	300	200	S	S	60,000
Male	1,100	1,100	900	S	100	S	S	55,000
White	2,100	2,100	1,600	300	200	S	S	59,000
Asian	600	600	500	S	100	S	S	62,000
Black	200	200	200	S	S	S	S	67,000
Hispanic	100	100	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	3,000	2,900	2,300	300	300	S	S	59,000
With disability	S	S	S	S	S	S	S	S
Mathematical sciences	1,900	1,800	1,400	S	400	S	S	57,000
Female	600	500	300	S	200	S	S	50,000
Male	1,300	1,300	1,100	S	200	S	S	60,000
White	1,300	1,300	900	S	300	S	S	57,000
Asian	400	400	300	S	S	S	S	60,000

TABLE H-15. Employment status and median salary of 2001 and 2002 S&E doctoral degree recipients, by broad field of doctorate, sex, race/ethnicity, and disability status: 2003

Field, sex, race/ethnicity, and disability status	All recipients	Employed				Not employed		Median salary for full-time employed ^a (\$)
		Total	Full time	Part time	Postdoc appointment	Seeking work	Not seeking work	
Black	100	100	S	S	S	S	S	S
Hispanic	100	100	S	S	S	S	S	S
No disability	1,800	1,700	1,300	S	400	S	S	58,000
With disability	S	S	S	S	S	S	S	S
Physical and related sciences	7,400	7,100	4,500	200	2,300	S	200	55,000
Female	2,000	1,800	1,300	100	400	S	100	58,000
Male	5,400	5,300	3,300	100	1,900	S	S	54,000
White	4,900	4,700	3,000	200	1,500	S	200	56,000
Asian	1,900	1,900	1,100	S	700	S	S	50,000
Black	300	300	200	S	S	S	S	52,000
Hispanic	200	200	100	S	100	S	S	57,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	7,200	6,900	4,500	200	2,200	S	200	55,000
With disability	200	200	S	S	S	S	S	33,000
Psychology	7,300	6,900	4,800	1,100	1,000	200	200	50,000
Female	5,100	4,800	3,100	1,100	600	S	100	51,000
Male	2,300	2,100	1,700	S	400	S	S	50,000
White	5,900	5,600	3,900	1,000	700	200	S	50,000
Asian	500	500	300	S	200	S	S	45,000
Black	500	500	300	S	100	S	S	50,000
Hispanic	300	300	200	100	S	S	S	51,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	6,700	6,400	4,400	1,000	900	100	200	50,000
With disability	600	500	400	S	S	S	S	60,000
Social sciences	6,900	6,600	5,600	600	400	200	200	52,000
Female	3,200	2,900	2,400	300	200	S	100	50,000
Male	3,800	3,700	3,200	300	200	S	S	53,000
White	5,100	4,800	4,100	400	300	200	100	50,000
Asian	900	900	800	S	S	S	S	60,000
Black	500	500	400	S	S	S	S	54,000
Hispanic	300	300	300	S	S	S	S	49,000
American Indian/Alaska Native	100	100	S	S	S	S	S	S
No disability	6,600	6,300	5,400	500	400	200	100	52,000
With disability	400	300	300	S	S	S	S	48,000
Engineering	9,100	8,700	7,500	200	1,000	300	100	73,000
Female	1,600	1,600	1,300	S	200	S	S	78,000
Male	7,400	7,100	6,100	200	800	200	S	72,000
White	4,200	4,200	3,600	S	500	S	S	72,000
Asian	4,100	3,800	3,300	S	500	200	S	74,000
Black	300	300	300	S	S	S	S	78,000
Hispanic	300	300	300	S	S	S	S	70,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S
No disability	8,700	8,300	7,100	200	1,000	S	S	71,000
With disability	400	400	400	S	S	S	S	82,000

S = suppressed data with weighted cases less than 50 or fewer than 5 respondents and with weighted cases less than 200 for salary data.

^a Salary data for those whose principal job was less than 35 hours per week are not included. Salary data are for principal job only.

NOTES: Numbers are rounded to nearest 10 and median salaries to nearest \$1,000. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2003.

TABLE H-16. Median annual salary of scientists and engineers employed full time, by highest degree, broad occupation, age group, and sex: 2003

(Dollars)

Occupation and age (years)	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
All occupations	60,000	49,000	70,000	53,600	44,900	62,000	63,100	52,000	74,000	77,000	63,000	83,000
29 and younger	40,000	38,000	45,000	39,000	35,000	45,000	45,000	41,000	50,000	44,000	40,000	53,000
30-39	58,500	48,700	65,000	54,000	45,000	60,000	61,000	49,000	70,000	62,400	55,000	70,000
40-49	68,000	54,000	78,500	60,900	50,000	70,000	70,000	56,600	80,000	78,000	65,000	83,500
50 and older	65,000	52,000	75,000	57,000	45,200	65,000	65,000	55,000	73,500	86,500	70,000	90,000
S&E occupations	69,500	58,000	72,000	65,000	55,000	69,500	72,100	60,000	78,000	75,000	61,000	80,000
29 and younger	49,000	43,000	52,000	48,000	42,000	51,000	52,000	45,800	58,000	40,000	40,000	53,600
30-39	65,000	59,000	68,500	65,000	59,000	66,000	70,000	60,000	75,000	60,500	54,000	65,000
40-49	75,000	65,000	80,000	73,400	63,000	75,000	80,000	65,400	84,100	75,300	65,000	80,000
50 and older	76,000	62,000	80,000	73,000	60,000	75,000	76,000	60,000	80,000	85,000	70,000	90,000
Scientist	65,000	56,000	70,000	62,000	52,000	66,200	69,000	57,000	75,000	71,400	60,000	76,000
29 and younger	45,000	40,000	50,000	44,400	40,000	50,000	50,000	43,500	56,500	40,000	40,000	45,000
30-39	64,000	56,000	67,500	63,000	56,000	65,000	68,000	58,000	75,000	57,000	53,000	60,000
40-49	72,000	63,000	76,000	70,000	62,000	74,000	75,000	61,800	80,000	72,500	64,000	76,200
50 and older	72,000	61,900	77,000	68,900	60,000	70,000	70,000	60,000	75,000	82,000	70,000	86,000
Biological/life scientist	52,000	48,600	55,000	42,000	40,000	45,000	50,000	46,000	52,000	67,900	60,000	72,000
29 and younger	32,000	31,000	32,000	30,000	28,000	31,000	37,500	38,000	37,500	36,000	36,000	32,500
30-39	48,000	48,000	46,000	48,000	49,000	45,800	43,000	42,400	43,000	48,000	48,000	48,500
40-49	60,000	56,500	62,200	47,000	50,000	46,000	52,000	46,000	54,500	70,000	62,000	73,000
50 and older	68,000	60,900	72,000	52,000	52,800	52,000	55,000	55,000	55,000	83,000	70,000	89,000
Computer and information scientist	70,000	63,000	74,000	68,000	60,000	70,000	79,000	70,000	81,000	85,000	72,000	85,000
29 and younger	55,000	51,000	57,500	53,000	50,000	54,600	65,000	60,000	70,000	90,000	S	90,000
30-39	70,000	63,000	72,000	67,500	62,000	70,000	77,000	66,000	80,000	78,000	65,000	80,000
40-49	77,000	67,000	80,000	75,000	65,000	77,600	82,400	70,000	88,000	88,000	75,000	90,000
50 and older	75,000	67,000	79,000	71,000	60,000	75,000	80,000	75,000	82,200	85,000	71,400	87,000
Mathematical scientist	60,000	50,000	70,000	56,000	47,000	68,600	58,000	49,000	65,000	67,000	53,000	71,000
29 and younger	40,000	40,000	42,000	42,000	42,000	42,000	43,000	48,000	40,000	40,000	40,000	63,000
30-39	56,000	50,000	60,000	50,000	40,000	54,000	60,000	54,000	62,000	56,500	60,700	56,000
40-49	71,000	55,500	76,000	87,000	71,000	99,200	68,000	55,000	75,000	72,000	60,600	73,300
50 and older	70,000	52,000	78,700	75,000	55,000	82,500	57,000	42,300	63,000	80,000	70,000	80,400
Physical scientist	60,000	47,500	65,000	47,000	44,500	50,000	65,500	59,000	70,000	79,000	66,000	80,000
29 and younger	38,000	40,000	35,000	38,000	40,000	35,000	42,300	42,300	38,000	52,000	40,000	55,600
30-39	52,000	50,000	53,500	48,000	42,000	50,000	58,000	60,000	55,000	64,000	61,100	65,000
40-49	68,000	61,000	71,600	60,000	51,700	60,000	70,000	65,500	75,000	80,000	70,000	80,100
50 and older	74,300	59,000	79,000	60,000	52,000	60,000	82,000	64,000	82,000	91,000	70,100	93,000

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-16. Median annual salary of scientists and engineers employed full time, by highest degree, broad occupation, age group, and sex: 2003

(Dollars)

Occupation and age (years)	All degrees			Bachelor's			Master's			Doctorate		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Psychologist	55,000	50,000	61,000	31,000	34,000	27,500	47,500	45,000	53,100	67,000	60,000	75,000
29 and younger	35,000	36,000	30,500	27,500	24,700	27,500	39,800	38,800	40,000	50,000	50,000	55,000
30-39	45,500	47,000	44,600	26,000	48,800	26,000	42,000	44,000	41,000	55,000	54,000	56,300
40-49	60,000	54,000	68,000	47,000	30,000	47,000	50,000	46,000	60,000	66,800	65,000	70,000
50 and older	62,000	58,000	70,000	38,000	38,000	21,500	55,000	52,000	60,000	75,000	65,000	80,700
Social scientist	58,000	50,000	65,000	49,000	44,500	52,000	60,000	50,000	75,000	67,600	62,300	70,000
29 and younger	40,000	40,000	40,000	40,000	40,000	38,000	40,000	40,000	40,000	65,000	S	73,600
30-39	55,000	51,000	57,000	53,000	53,000	50,500	56,200	50,000	72,000	58,000	56,000	60,000
40-49	65,000	57,000	70,000	52,000	60,000	52,000	70,000	57,000	75,000	62,200	58,000	67,000
50 and older	75,000	68,000	81,000	75,000	61,800	84,000	75,000	66,000	82,000	75,000	72,000	78,700
Engineer	74,000	65,000	75,000	70,000	60,200	70,500	80,000	70,000	80,000	90,000	80,000	90,000
29 and younger	54,900	52,000	55,000	54,000	52,000	54,000	57,500	50,000	60,000	66,000	66,000	66,000
30-39	70,000	68,500	70,000	67,000	65,000	67,000	74,000	70,000	74,000	81,000	75,000	82,000
40-49	80,000	78,600	81,000	79,000	70,000	79,500	86,000	84,000	86,000	90,000	82,000	91,000
50 and older	82,000	70,000	82,400	80,000	70,000	80,000	85,000	70,000	86,000	100,000	89,500	100,000
S&E related occupations	57,000	50,000	70,000	50,000	47,000	57,500	56,000	53,000	60,000	85,000	55,000	100,000
29 and younger	40,000	40,000	40,500	38,700	38,000	40,000	41,100	41,000	45,000	48,000	80,000	40,000
30-39	52,000	48,000	60,000	48,000	45,000	52,000	50,000	49,000	56,000	55,000	55,000	82,000
40-49	62,000	55,000	80,000	55,000	50,000	63,000	61,100	60,000	68,000	96,000	72,000	110,000
50 and older	65,000	52,600	80,000	54,000	50,000	64,000	60,000	56,500	70,000	90,000	55,000	102,000
Non-S&E occupations	54,000	43,000	65,000	48,000	38,000	57,000	60,000	49,500	73,000	85,000	68,700	90,000
29 and younger	35,000	32,000	40,000	32,000	30,000	36,700	40,000	39,000	45,000	45,000	S	45,000
30-39	53,000	44,000	62,400	50,000	40,000	55,000	60,000	46,800	75,000	75,500	55,000	87,000
40-49	62,000	49,000	75,000	55,000	41,000	65,000	65,000	51,000	80,000	80,000	63,000	93,000
50 and older	60,000	48,000	65,900	50,000	40,000	60,000	62,000	52,000	70,000	90,000	77,000	93,600

S = suppressed because fewer than 200 weighted cases.

NOTES: Salaries rounded to nearest \$100. All degrees includes professional degrees not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2003
(Dollars)

Sex, occupation, and age in years	All races/ ethnicities	White	Asian	Black	Hispanic	American Indian/ Alaska Native
Both sexes						
All occupations	60,000	61,000	63,000	50,000	50,000	50,000
29 and younger	40,000	40,000	50,000	35,000	36,000	42,000
30-39	58,500	58,000	68,000	50,000	50,000	46,500
40-49	68,000	70,000	65,400	55,000	55,000	50,000
50 and older	65,000	66,800	64,000	55,000	59,800	63,000
S&E occupations	69,500	70,000	71,000	60,000	60,000	60,000
29 and younger	49,000	48,000	55,000	45,600	45,000	47,100
30-39	65,000	65,000	73,000	58,000	60,000	60,000
40-49	75,000	76,000	78,000	65,000	67,000	56,500
50 and older	76,000	77,000	80,000	65,000	70,000	72,400
Scientist	65,000	66,000	70,000	58,000	55,000	56,000
29 and younger	45,000	43,000	55,000	40,000	42,000	47,100
30-39	64,000	62,500	72,000	57,000	53,000	60,000
40-49	72,000	73,000	75,000	64,000	63,000	50,000
50 and older	72,000	72,400	78,000	62,000	60,000	72,000
Biological/life scientist	52,000	53,000	50,000	53,000	50,000	45,000
29 and younger	32,000	32,000	31,000	40,000	32,000	47,100
30-39	48,000	47,000	44,000	54,000	46,000	35,000
40-49	60,000	60,000	64,000	54,000	65,000	45,000
50 and older	68,000	68,000	70,000	65,000	70,000	72,000
Computer and information scientist	70,000	71,000	75,000	63,000	60,000	56,000
29 and younger	55,000	54,000	60,000	60,000	48,000	S
30-39	70,000	70,000	75,000	60,000	61,000	56,000
40-49	77,000	78,000	80,000	70,000	65,000	60,000
50 and older	75,000	75,000	83,000	65,000	60,000	62,000
Mathematical scientist	60,000	63,000	68,000	42,000	45,500	S
29 and younger	40,000	42,000	35,000	40,000	37,000	S
30-39	56,000	56,000	70,000	40,000	45,500	S
40-49	71,000	76,500	70,000	55,000	40,000	S
50 and older	70,000	73,000	58,000	56,000	60,000	S
Physical scientist	60,000	60,600	60,000	53,500	47,000	60,000
29 and younger	38,000	40,000	38,000	37,000	35,000	S
30-39	52,000	52,000	53,000	53,000	40,000	60,000
40-49	68,000	70,000	65,500	55,000	70,000	56,500
50 and older	74,300	76,000	70,000	59,000	50,000	80,000
Psychologist	55,000	55,000	55,000	58,000	45,000	61,000
29 and younger	35,000	36,000	40,000	24,700	30,000	S
30-39	45,500	44,100	55,000	58,000	45,000	61,000
40-49	60,000	60,000	55,000	65,000	62,000	S
50 and older	62,000	62,900	70,000	57,000	60,000	75,000
Social scientist	58,000	60,000	65,000	49,800	50,000	60,000
29 and younger	40,000	40,000	45,000	36,000	45,000	S
30-39	55,000	55,000	65,000	48,000	50,000	60,000
40-49	65,000	67,000	68,000	65,000	43,500	60,000
50 and older	75,000	80,000	72,000	52,000	69,500	65,000
Engineer	74,000	75,000	75,000	65,000	66,700	75,000
29 and younger	54,900	54,500	56,000	55,000	50,000	65,000
30-39	70,000	69,000	75,000	67,000	66,500	70,000
40-49	80,000	82,000	80,000	71,600	77,800	76,000
50 and older	82,000	83,000	82,000	75,000	75,000	85,000

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2003
(Dollars)

Sex, occupation, and age in years	All races/ ethnicities	White	Asian	Black	Hispanic	American
						Indian/ Alaska Native
S&E related occupations	57,000	58,000	60,000	50,000	50,000	48,000
29 and younger	40,000	40,000	45,000	35,000	35,000	35,000
30-39	52,000	52,000	63,000	47,000	48,000	39,000
40-49	62,000	65,000	62,400	56,000	60,000	65,000
50 and older	65,000	65,000	67,400	55,000	60,000	65,000
Non-S&E occupations	54,000	58,000	50,000	45,000	45,000	46,000
29 and younger	35,000	35,000	42,000	32,000	34,500	42,000
30-39	53,000	54,000	60,000	45,000	48,000	37,500
40-49	62,000	68,400	50,000	49,500	49,000	41,000
50 and older	60,000	61,000	46,700	51,000	52,000	56,300
Female						
All occupations	49,000	49,000	55,000	47,000	42,000	43,000
29 and younger	38,000	37,500	44,000	33,500	34,000	42,000
30-39	48,700	48,000	60,000	46,000	44,000	45,000
40-49	54,000	55,000	56,000	51,000	46,000	41,000
50 and older	52,000	52,000	52,500	51,000	47,400	52,000
S&E occupations	58,000	56,100	65,000	55,000	50,000	60,000
29 and younger	43,000	42,800	45,000	40,000	42,000	46,000
30-39	59,000	57,000	67,000	55,000	52,000	60,000
40-49	65,000	64,100	68,900	62,000	55,000	60,000
50 and older	62,000	62,000	75,000	57,000	55,000	60,000
Scientist	56,000	55,000	64,000	55,000	48,800	60,000
29 and younger	40,000	40,000	43,500	40,000	35,600	46,000
30-39	56,000	55,000	64,000	55,000	50,000	60,000
40-49	63,000	62,000	66,000	62,400	52,000	54,000
50 and older	61,900	62,000	74,000	57,000	54,000	60,000
Biological/life scientist	48,600	48,000	47,500	52,800	48,000	59,000
29 and younger	31,000	30,000	30,000	46,000	31,000	S
30-39	48,000	45,000	56,000	54,000	48,600	S
40-49	56,500	58,000	54,000	57,400	52,000	52,000
50 and older	60,900	60,900	65,000	53,700	55,100	72,400
Computer and information scientist	63,000	62,700	68,800	56,300	54,000	54,000
29 and younger	51,000	50,000	60,000	57,500	43,200	S
30-39	63,000	64,000	68,000	55,000	55,000	S
40-49	67,000	67,400	70,000	64,000	59,500	60,000
50 and older	67,000	66,900	80,000	52,000	47,400	44,000
Mathematical scientist	50,000	50,000	69,900	40,000	40,000	S
29 and younger	40,000	42,000	35,000	40,000	37,000	S
30-39	50,000	50,000	70,000	40,000	36,000	S
40-49	55,500	62,700	80,000	55,000	40,000	S
50 and older	52,000	51,000	81,000	S	S	S
Physical scientist	47,500	48,000	52,000	50,000	42,000	47,000
29 and younger	40,000	41,600	40,000	40,000	35,000	S
30-39	50,000	51,000	56,000	50,000	30,000	S
40-49	61,000	63,000	62,100	62,400	52,000	36,000
50 and older	59,000	55,000	65,000	47,000	60,000	S
Psychologist	50,000	50,000	50,000	58,000	44,000	61,000
29 and younger	36,000	36,000	40,000	24,000	43,000	S
30-39	47,000	44,000	50,000	58,000	48,800	S
40-49	54,000	52,100	70,000	65,000	58,000	S
50 and older	58,000	60,000	50,000	57,000	57,000	S

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2003
(Dollars)

Sex, occupation, and age in years	All races/ ethnicities	White	Asian	Black	Hispanic	American Indian/ Alaska Native
Social scientist	50,000	51,000	60,000	45,000	48,000	60,000
29 and younger	40,000	40,100	45,000	36,000	44,000	S
30-39	51,000	54,000	50,000	48,000	48,100	60,000
40-49	57,000	55,000	68,000	65,000	43,500	S
50 and older	68,000	67,000	72,000	70,000	48,000	S
Engineer	65,000	63,000	72,000	62,000	62,000	63,000
29 and younger	52,000	52,000	54,000	50,000	50,000	S
30-39	68,500	65,000	80,100	70,000	67,000	51,000
40-49	78,600	79,500	80,000	55,000	70,000	63,000
50 and older	70,000	70,000	75,000	95,000	72,000	S
S&E related occupations	50,000	50,000	55,000	49,000	42,000	46,500
29 and younger	40,000	39,100	45,600	35,000	33,000	35,000
30-39	48,000	48,500	59,000	46,000	41,600	46,000
40-49	55,000	55,000	55,400	55,000	48,000	60,000
50 and older	52,600	52,400	59,000	52,000	43,300	46,800
Non-S&E occupations	43,000	44,000	45,000	43,000	40,000	40,000
29 and younger	32,000	32,000	38,000	30,000	33,000	42,000
30-39	44,000	43,500	55,200	41,000	40,000	30,000
40-49	49,000	50,000	44,800	46,000	42,000	30,000
50 and older	48,000	48,600	35,000	50,000	46,000	52,000
Male						
All occupations	70,000	70,000	70,000	57,000	60,000	60,500
29 and younger	45,000	45,000	53,000	36,000	40,000	47,100
30-39	65,000	65,000	74,000	55,600	57,000	56,000
40-49	78,500	80,000	75,000	60,000	62,000	60,000
50 and older	75,000	75,000	70,000	60,000	70,000	75,000
S&E occupations	72,000	72,800	75,000	64,500	65,000	60,000
29 and younger	52,000	50,200	58,200	55,000	48,000	47,100
30-39	68,500	68,000	75,000	62,100	62,000	60,000
40-49	80,000	80,000	80,000	70,000	73,900	55,000
50 and older	80,000	80,000	81,000	69,000	70,500	80,000
Scientist	70,000	70,000	75,000	63,000	60,000	56,000
29 and younger	50,000	47,000	58,000	48,400	47,000	47,100
30-39	67,500	67,000	75,000	60,000	58,000	56,000
40-49	76,000	76,400	80,000	67,000	70,000	45,000
50 and older	77,000	78,000	80,000	65,000	70,000	72,500
Biological/life scientist	55,000	56,500	53,000	55,000	56,000	45,000
29 and younger	32,000	32,000	32,000	34,000	44,000	47,100
30-39	46,000	48,000	42,000	53,400	42,500	35,000
40-49	62,200	62,200	70,000	50,000	70,000	45,000
50 and older	72,000	72,000	78,000	82,000	70,000	72,000
Computer and information scientist	74,000	75,000	75,000	65,000	65,000	56,000
29 and younger	57,500	55,000	60,000	60,000	49,000	S
30-39	72,000	72,000	78,000	65,000	65,000	56,000
40-49	80,000	80,000	84,000	70,000	73,000	S
50 and older	79,000	80,000	83,000	70,000	69,000	80,000
Mathematical scientist	70,000	73,000	65,400	55,000	61,100	S
29 and younger	42,000	43,000	27,000	42,000	S	S
30-39	60,000	58,000	70,000	52,000	62,000	S
40-49	76,000	80,000	70,000	38,000	75,000	S
50 and older	78,700	80,000	55,000	56,000	60,000	S

TABLE H-17. Median annual salary of scientists and engineers employed full time, by sex, broad occupation, age, and race/ethnicity: 2003
(Dollars)

Sex, occupation, and age in years	All races/ethnicities					American Indian/ Alaska Native
	All races/ethnicities	White	Asian	Black	Hispanic	
Physical scientist	65,000	65,500	64,000	55,400	50,000	60,000
29 and younger	35,000	38,000	26,000	35,000	32,500	S
30-39	53,500	54,000	53,000	60,000	45,700	49,000
40-49	71,600	72,500	73,000	55,000	70,000	60,000
50 and older	79,000	80,000	75,000	59,000	50,000	S
Psychologist	61,000	62,400	55,000	50,000	45,000	65,000
29 and younger	30,500	33,000	S	S	27,500	S
30-39	44,600	45,500	55,000	26,000	40,000	S
40-49	68,000	70,000	55,000	52,000	68,000	S
50 and older	70,000	70,000	85,000	94,000	73,000	S
Social scientist	65,000	66,000	72,000	52,400	55,000	60,000
29 and younger	40,000	40,000	40,000	S	54,300	S
30-39	57,000	55,000	80,000	48,000	55,000	137,500
40-49	70,000	75,000	67,000	75,000	45,000	60,000
50 and older	81,000	84,000	75,000	40,000	76,100	65,000
Engineer	75,000	75,000	75,000	65,000	68,000	80,000
29 and younger	55,000	55,000	60,000	55,000	48,700	S
30-39	70,000	69,800	75,000	66,000	65,000	75,000
40-49	81,000	82,000	83,000	74,200	78,000	80,000
50 and older	82,400	84,000	82,400	75,000	78,000	85,000
S&E related occupations	70,000	72,800	74,000	55,000	60,000	65,000
29 and younger	40,500	42,000	41,000	32,000	36,000	S
30-39	60,000	60,000	72,000	60,000	50,000	34,000
40-49	80,000	84,000	84,000	64,000	65,000	65,000
50 and older	80,000	81,200	82,000	55,000	74,000	75,000
Non-S&E occupations	65,000	68,000	52,000	50,000	53,000	60,500
29 and younger	40,000	40,000	45,000	35,000	35,000	45,000
30-39	62,400	65,000	65,000	53,000	55,000	52,000
40-49	75,000	80,000	50,000	54,000	58,000	55,000
50 and older	65,900	70,000	50,000	58,000	60,000	80,000

S = suppressed because fewer than 200 weighted cases

NOTES: Salaries rounded to nearest \$100. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-18. Median annual salary of scientists and engineers employed full time, by broad occupation, age, and disability status: 2003

(Dollars)

Occupation and age (years)	Total	No disability	With disability
All occupations	60,000	60,000	56,000
29 and younger	40,000	40,000	39,000
30-39	58,500	59,000	48,000
40-49	68,000	69,000	59,000
50 and older	65,000	65,000	60,000
S&E occupations	69,500	69,800	68,000
29 and younger	49,000	49,000	49,000
30-39	65,000	65,000	62,000
40-49	75,000	75,100	68,000
50 and older	76,000	76,000	75,000
Scientist	65,000	65,000	63,000
29 and younger	45,000	45,000	45,600
30-39	64,000	64,000	60,500
40-49	72,000	72,100	61,000
50 and older	72,000	72,000	70,000
Biological/life scientist	52,000	52,000	53,800
29 and younger	32,000	32,000	20,000
30-39	48,000	48,000	45,600
40-49	60,000	60,000	54,000
50 and older	68,000	69,000	58,000
Computer and information scientist	70,000	70,000	70,000
29 and younger	55,000	55,000	60,000
30-39	70,000	70,000	65,000
40-49	77,000	78,000	70,000
50 and older	75,000	75,000	75,000
Mathematical scientist	60,000	60,000	50,000
29 and younger	40,000	40,000	S
30-39	56,000	56,000	50,000
40-49	71,000	72,000	50,000
50 and older	70,000	70,000	64,100
Physical scientist	60,000	60,000	62,000
29 and younger	38,000	38,500	35,000
30-39	52,000	52,000	50,000
40-49	68,000	70,000	57,000
50 and older	74,300	74,300	79,000
Psychologist	55,000	54,000	61,000
29 and younger	35,000	36,000	24,700
30-39	45,500	45,000	58,000
40-49	60,000	60,000	50,000
50 and older	62,000	62,000	63,000
Social scientist	58,000	58,000	65,000
29 and younger	40,000	40,000	60,000
30-39	55,000	55,000	49,000
40-49	65,000	65,000	62,000
50 and older	75,000	75,000	76,000
Engineer	74,000	74,000	75,000
29 and younger	54,900	55,000	49,800
30-39	70,000	70,000	65,000
40-49	80,000	80,100	78,000
50 and older	82,000	82,000	81,000

TABLE H-18. Median annual salary of scientists and engineers employed full time, by broad occupation, age, and disability status: 2003

(Dollars)

Occupation and age (years)	Total	No disability	With disability
S&E-related occupations	57,000	57,800	50,200
29 and younger	40,000	40,000	39,000
30-39	52,000	53,000	42,000
40-49	62,000	62,700	55,000
50 and older	65,000	65,000	55,500
Non-S&E occupations	54,000	54,600	50,000
29 and younger	35,000	35,000	35,000
30-39	53,000	53,000	44,000
40-49	62,000	62,500	48,000
50 and older	60,000	60,000	55,000

S = suppressed because fewer than 200 weighted cases.

NOTES: Salaries rounded to nearest \$100. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity									
	Sex			Race/ethnicity					Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability
All sectors	18,019,400	7,582,200	10,437,200	13,953,800	1,721,900	1,036,200	936,900	76,200	17,022,100	997,300
S&E occupations	4,927,500	1,330,500	3,597,100	3,706,100	697,100	215,800	214,300	17,300	4,678,100	249,500
Scientist	3,372,700	1,158,200	2,214,500	2,509,100	502,300	163,000	134,500	12,500	3,200,800	171,800
Biological/life scientist	554,500	240,400	314,200	422,500	78,500	20,400	23,100	3,900	523,600	31,000
Computer and information scientist	1,883,400	519,700	1,363,700	1,335,800	342,900	96,600	72,800	3,200	1,796,600	86,800
Mathematical scientist	125,100	50,100	75,000	95,700	14,600	9,300	3,800	400	117,100	8,000
Physical scientist	315,100	89,900	225,100	248,900	38,600	8,800	12,600	1,500	299,500	15,600
Psychologist	212,000	136,600	75,400	180,200	7,000	10,300	11,100	1,000	197,200	14,800
Social scientist	282,600	121,500	161,100	225,900	20,700	17,700	11,200	2,500	266,900	15,700
Engineers	1,554,900	172,300	1,382,500	1,197,000	194,800	52,800	79,700	4,800	1,477,200	77,600
S&E-related occupations	5,220,600	2,886,900	2,333,700	4,071,300	482,100	287,400	266,700	20,800	4,970,100	250,500
Non-S&E occupations	7,871,300	3,364,900	4,506,400	6,176,500	542,700	533,000	456,000	38,100	7,373,900	497,400
Business or industry	9,677,900	3,198,700	6,479,100	7,472,200	1,121,900	421,000	477,900	33,400	9,202,600	475,300
S&E occupations	3,092,900	651,600	2,441,300	2,296,100	492,100	122,800	128,000	8,500	2,952,900	140,000
Scientist	1,888,700	531,000	1,357,700	1,359,000	343,500	84,100	69,300	5,000	1,805,100	83,600
Biological/life scientist	125,300	53,200	72,100	94,800	18,700	4,500	6,200	200	119,100	6,100
Computer and information scientist	1,449,600	364,000	1,085,600	1,015,700	290,000	68,700	50,300	2,800	1,386,300	63,300
Mathematical scientist	33,500	9,400	24,000	27,200	4,100	1,200	500	S	31,300	2,100
Physical scientist	161,900	48,900	113,000	125,200	21,400	5,100	6,900	800	155,500	6,400
Psychologist	33,200	21,500	11,700	27,800	700	1,600	2,400	200	31,200	2,000
Social scientist	85,200	34,000	51,200	68,200	8,600	3,000	3,000	S	81,600	3,700
Engineers	1,204,300	120,600	1,083,600	937,100	148,600	38,700	58,700	3,500	1,147,900	56,400
S&E-related occupations	2,336,200	1,102,900	1,233,300	1,796,300	269,700	99,600	124,100	8,300	2,238,300	97,900
Non-S&E occupations	4,248,700	1,444,200	2,804,500	3,379,900	360,100	198,700	225,800	16,600	4,011,300	237,400
Federal government	803,200	254,900	548,300	608,400	60,400	69,300	44,200	4,500	751,300	51,900
S&E occupations	285,800	76,400	209,400	219,500	25,500	19,500	14,200	1,700	268,700	17,100
Scientist	179,200	62,300	116,900	135,900	14,600	15,400	8,600	1,400	167,800	11,400
Biological/life scientist	48,900	17,400	31,500	38,400	4,400	2,600	1,900	600	47,100	1,800
Computer and information scientist	66,700	23,200	43,500	46,100	7,200	8,200	3,600	S	60,700	6,100
Mathematical scientist	13,100	6,100	7,000	9,900	600	1,400	900	S	12,300	800
Physical scientist	25,400	5,400	20,000	21,000	1,800	1,100	1,000	300	23,900	1,400
Psychologist	5,600	3,300	2,300	4,900	S	200	300	100	5,200	S
Social scientist	19,400	6,900	12,500	15,500	400	2,000	900	S	18,700	700
Engineers	106,600	14,100	92,500	83,600	10,900	4,000	5,600	S	100,900	5,700
S&E-related occupations	156,900	70,600	86,300	120,500	11,400	10,200	9,500	1,100	149,300	7,500
Non-S&E occupations	360,600	107,900	252,700	268,400	23,500	39,700	20,500	1,700	333,300	27,300

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity										
	Sex			Race/ethnicity						Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability	
Nonprofit	1,558,100	1,039,500	518,700	1,247,900	112,400	97,800	67,300	4,900	1,487,500	70,600	
S&E occupations	179,700	76,500	103,200	133,000	22,100	10,300	9,300	1,100	171,900	7,800	
Scientist	158,500	71,300	87,200	119,300	18,100	9,500	6,600	1,000	151,400	7,100	
Biological/life scientist	25,700	9,900	15,800	18,900	4,300	1,300	500	S	25,100	600	
Computer and information scientist	73,800	28,600	45,100	52,900	9,500	5,200	4,400	S	70,400	3,300	
Mathematical scientist	2,900	1,800	1,100	2,600	200	S	S	S	2,800	S	
Physical scientist	5,500	2,100	3,400	4,200	1,100	100	S	S	5,400	S	
Psychologist	20,100	12,600	7,500	17,500	900	700	900	S	18,500	1,700	
Social scientist	30,500	16,300	14,200	23,200	2,100	2,100	700	S	29,300	1,200	
Engineers	21,100	5,200	16,000	13,600	3,900	800	2,600	S	20,400	700	
S&E-related occupations	754,600	577,700	176,900	608,400	60,600	43,100	23,500	1,400	728,900	25,700	
Non-S&E occupations	623,900	385,300	238,500	506,500	29,800	44,400	34,500	2,500	586,700	37,100	
Self-employed	1,240,800	488,600	752,100	1,036,200	85,500	35,200	60,500	7,900	1,151,600	89,200	
S&E occupations	187,700	67,200	120,500	160,700	11,600	6,800	5,300	500	173,400	14,300	
Scientist	139,700	61,600	78,100	120,500	7,400	6,100	3,200	400	129,600	10,100	
Biological/life scientist	9,200	3,200	6,000	8,400	600	S	S	S	7,000	2,300	
Computer and information scientist	58,900	17,500	41,400	47,900	6,100	2,200	1,000	S	57,100	1,800	
Mathematical scientist	2,000	600	1,400	2,000	S	S	S	S	2,000	S	
Physical scientist	7,000	600	6,400	6,500	S	S	200	S	6,700	300	
Psychologist	44,900	30,900	14,000	41,000	400	1,600	1,200	400	40,600	4,300	
Social scientist	17,500	8,700	8,800	14,700	S	2,000	700	S	16,100	S	
Engineers	48,000	5,600	42,400	40,200	4,200	800	2,100	S	43,800	4,200	
S&E-related occupations	375,400	157,200	218,200	307,100	31,200	9,600	20,100	3,200	352,500	22,900	
Non-S&E occupations	677,700	264,200	413,400	568,400	42,800	18,800	35,000	4,300	625,700	52,000	
State/local government	1,339,600	637,500	702,100	966,300	90,000	157,100	87,400	9,500	1,237,700	102,000	
S&E occupations	313,600	98,600	215,000	239,900	28,100	18,600	19,700	2,000	292,600	21,000	
Scientist	212,500	84,000	128,500	167,100	16,800	13,000	12,300	1,300	198,000	14,500	
Biological/life scientist	42,700	13,700	29,000	35,900	3,300	1,300	1,100	S	39,700	2,900	
Computer and information scientist	85,200	32,400	52,800	62,300	9,600	5,800	6,200	S	79,600	5,600	
Mathematical scientist	7,200	3,800	3,400	4,700	1,600	S	S	S	6,400	S	
Physical scientist	28,000	8,300	19,700	23,700	1,100	1,200	1,400	S	25,800	2,300	
Psychologist	14,200	9,000	5,200	11,700	300	600	1,400	S	12,900	1,300	
Social scientist	35,200	16,800	18,400	28,700	1,000	3,600	2,000	S	33,700	1,500	
Engineers	101,100	14,600	86,500	72,800	11,300	5,600	7,400	S	94,600	6,500	
S&E-related occupations	307,000	192,800	114,300	217,100	25,600	31,500	20,900	1,500	282,400	24,600	
Non-S&E occupations	719,000	346,200	372,800	509,400	36,200	106,900	46,700	6,000	662,600	56,400	
Universities and 4-year colleges	1,505,300	754,600	750,700	1,110,300	202,000	88,700	73,000	7,900	1,422,300	83,000	
S&E occupations	703,600	266,800	436,800	517,700	110,900	28,700	31,000	3,400	665,100	38,500	
Scientist	635,400	256,200	379,200	472,900	95,400	26,100	28,100	3,100	600,500	34,900	
Biological/life scientist	271,900	120,900	151,000	200,000	45,600	8,300	13,200	1,500	257,500	14,400	
Computer and information scientist	107,200	33,200	74,000	74,300	18,800	5,500	5,000	S	102,400	4,800	

Women, Minorities, and Persons with Disabilities in Science and Engineering

TABLE H-19. Employed scientists and engineers, by sector of employment, broad occupation, sex, race/ethnicity, and disability status: 2003

Sector and occupation	Race/ethnicity										
	Sex			Race/ethnicity						Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability	
Mathematical scientist	46,900	18,400	28,400	33,600	6,300	4,700	1,600	S	44,200	2,600	
Physical scientist	80,100	22,700	57,400	61,800	12,800	1,100	3,000	300	75,600	4,500	
Psychologist	49,400	27,500	21,900	40,200	3,800	2,100	2,400	300	46,800	2,600	
Social scientist	79,800	33,500	46,400	63,100	8,100	4,400	2,900	700	73,900	5,900	
Engineers	68,200	10,600	57,600	44,800	15,600	2,600	2,900	300	64,600	3,600	
S&E-related occupations	456,100	303,400	152,700	328,300	65,700	35,500	18,200	2,200	439,200	16,900	
Non-S&E occupations	345,600	184,400	161,200	264,300	25,300	24,500	23,900	2,300	318,000	27,600	
Other educational institutions	1,894,400	1,208,400	686,000	1,512,500	49,600	167,100	126,700	8,200	1,769,200	125,300	
S&E occupations	164,300	93,300	70,900	139,200	6,800	9,200	6,800	300	153,400	10,900	
Scientist	158,700	91,800	66,900	134,400	6,500	9,000	6,500	300	148,400	10,300	
Biological/life scientist	30,800	22,100	8,700	26,000	1,500	2,300	100	S	28,000	2,700	
Computer and information scientist	41,900	20,800	21,200	36,600	1,600	1,100	2,200	S	40,100	1,800	
Mathematical scientist	19,500	9,900	9,500	15,700	1,700	1,400	500	S	18,100	1,300	
Physical scientist	7,100	1,900	5,200	6,600	300	100	100	S	6,500	600	
Psychologist	44,500	31,800	12,700	37,000	900	3,500	2,600	S	42,000	2,500	
Social scientist	14,900	5,300	9,600	12,500	500	600	1,100	S	13,600	1,300	
Engineers	5,600	1,600	4,000	4,800	300	S	S	S	5,000	600	
S&E-related occupations	834,300	482,300	352,000	693,700	17,900	57,900	50,300	3,200	779,400	54,900	
Non-S&E occupations	895,900	632,700	263,200	679,600	25,000	100,000	69,600	4,700	836,400	59,500	

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Differences in estimates of scientists and engineers in the tables in this report reflect different data sources. Data from the Current Population Survey cover employed persons 16 years and older regardless of degree status. Data based on the SESTAT surveys cover persons with bachelor's or higher degrees who were either educated as or working as scientists or engineers.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientist and Engineers Statistical Data System (SESTAT).

TABLE H-20. Scientists and engineers employed in schools and academic institutions, by institution type, sex, race/ethnicity, and disability status: 2003

Institution type	Race/ethnicity									
	Total	Sex		Race/ethnicity					Disability status	
		Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability
All educational institutions	3,399,700	1,963,000	1,436,800	2,622,800	251,600	255,800	199,700	16,100	3,191,400	208,300
Preschool, elementary, middle, or secondary school	1,719,500	1,113,200	606,300	1,374,500	40,800	153,200	117,900	6,600	1,613,500	106,000
2-year college, junior college, or technical institute	160,700	86,500	74,200	128,000	7,900	12,300	7,600	1,200	142,600	18,100
4-year college or university	738,100	316,400	421,700	563,300	84,100	41,000	34,600	5,000	689,900	48,200
Medical school	560,700	336,500	224,200	405,300	85,800	34,200	24,500	1,800	538,200	22,400
University research institute	206,500	101,600	104,900	141,700	32,100	13,500	13,900	1,100	194,100	12,400
Other	14,200	8,600	5,600	10,000	800	1,600	S	S	13,100	1,200

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-21. S&E doctorate holders employed full time in universities and 4-year colleges, by Carnegie classification of academic institution, sex, race/ethnicity, and disability status: 2003

Carnegie classification	Race/ethnicity										
	Sex			Race/ethnicity						Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability	
All academic institutions	357,900	110,300	247,600	270,200	55,100	16,500	12,900	2,100	333,500	24,400	
Research university I	105,100	30,200	74,900	81,800	16,100	3,300	3,200	600	98,500	6,700	
Research university II	18,700	4,300	14,400	14,600	2,800	500	500	200	16,800	1,900	
Doctorate granting I	12,100	3,400	8,600	9,400	1,700	600	300	S	11,100	1,000	
Doctorate granting II	14,300	3,700	10,600	11,400	1,700	400	600	200	13,200	1,100	
Comprehensive I	40,100	11,600	28,500	31,700	4,000	2,300	1,600	400	36,600	3,500	
Comprehensive II	3,200	1,000	2,200	2,800	200	100	S	S	3,000	200	
Liberal arts	18,100	5,400	12,700	15,800	1,000	900	400	S	16,800	1,300	
2-year institutions	1,100	200	900	900	S	S	100	S	1,100	S	
Medical schools and medical centers	12,300	4,700	7,600	9,100	2,100	400	700	S	11,400	900	
Other specialized institutions	3,600	1,000	2,500	2,700	500	100	100	S	3,400	100	
Missing	129,200	44,700	84,600	90,000	24,700	8,000	5,500	500	121,600	7,600	

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2003

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
All occupations	385,200	122,900	79,900	78,700	20,000	83,800
Female	122,200	25,300	26,300	31,000	9,900	29,700
Fewer than 10	61,900	2,100	9,000	23,700	6,600	20,600
10-19	35,500	8,600	13,000	6,500	1,600	5,800
20-29	18,500	10,700	3,900	800	1,400	1,800
30 or more	6,300	3,900	500	100	300	1,400
Male	263,000	97,600	53,600	47,700	10,000	54,100
Fewer than 10	92,400	3,700	13,800	36,400	4,800	33,700
10-19	65,400	21,300	24,500	8,800	1,800	9,100
20-29	57,000	36,500	10,600	1,900	1,600	6,300
30 or more	48,100	36,100	4,700	600	1,900	4,900
S&E occupations	294,800	92,400	65,100	63,300	13,700	60,300
Female	90,400	16,400	21,400	24,300	7,000	21,300
Fewer than 10	47,600	1,600	7,600	18,100	4,500	15,800
10-19	26,500	5,300	10,500	5,500	1,500	3,700
20-29	12,000	6,500	2,900	600	700	1,300
30 or more	4,300	2,900	400	100	300	600
Male	204,400	76,000	43,700	39,000	6,700	39,000
Fewer than 10	70,000	1,900	10,200	29,400	3,100	25,400
10-19	54,000	16,300	21,000	7,400	1,400	7,900
20-29	43,400	28,900	8,500	1,700	800	3,500
30 or more	37,000	28,800	4,100	500	1,500	2,200
Scientist	267,100	81,500	59,500	57,700	13,100	55,300
Female	87,100	15,900	20,900	23,000	6,700	20,500
Fewer than 10	45,200	1,600	7,300	17,000	4,300	15,000
10-19	25,700	5,000	10,200	5,400	1,400	3,700
20-29	11,900	6,400	2,900	600	700	1,200
30 or more	4,300	2,900	400	100	300	600
Male	180,000	65,600	38,600	34,600	6,400	34,800
Fewer than 10	61,800	1,700	8,800	25,900	3,000	22,400
10-19	47,500	13,300	18,700	6,700	1,300	7,500
20-29	38,000	25,100	7,400	1,600	700	3,100
30 or more	32,600	25,400	3,700	400	1,400	1,800
Biological/life scientist	112,900	29,700	22,200	23,000	5,400	32,600
Female	41,900	7,500	7,800	10,200	2,800	13,600
Fewer than 10	22,100	1,200	2,000	6,600	1,800	10,500
10-19	12,900	2,500	4,400	3,200	700	2,100
20-29	5,200	2,700	1,200	400	300	700
30 or more	1,800	1,200	200	S	S	300
Male	71,000	22,200	14,500	12,800	2,600	19,000
Fewer than 10	25,300	400	2,200	7,800	1,500	13,500
10-19	20,200	3,800	7,600	4,000	600	4,200
20-29	13,800	8,600	3,300	800	S	800
30 or more	11,700	9,400	1,300	S	400	500
Computer and information scientist	14,800	3,500	3,400	3,600	600	3,600
Female	2,400	300	500	600	300	700
Fewer than 10	1,600	S	200	600	S	500
10-19	400	100	300	S	S	S
20-29	300	100	S	S	S	S
30 or more	S	S	S	S	S	S
Male	12,400	3,200	2,900	3,000	400	2,900
Fewer than 10	5,800	S	1,000	2,700	200	1,800
10-19	3,100	1,000	1,100	200	S	700
20-29	2,200	1,300	500	S	S	300
30 or more	1,400	800	400	S	S	S

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2003

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
Mathematical scientist	23,500	8,600	7,000	5,200	1,200	1,600
Female	6,600	1,000	3,000	1,600	500	500
Fewer than 10	4,300	S	2,400	1,400	300	200
10-19	1,300	300	500	200	S	S
20-29	700	500	100	S	S	S
30 or more	200	S	S	S	S	S
Male	17,000	7,600	4,000	3,600	700	1,200
Fewer than 10	5,000	200	1,000	3,200	200	500
10-19	5,300	2,600	1,900	300	S	300
20-29	3,000	2,000	600	S	200	200
30 or more	3,700	2,800	500	S	100	200
Physical scientist	41,900	13,800	7,600	8,400	1,800	10,400
Female	6,500	1,000	1,300	1,700	700	1,900
Fewer than 10	3,100	S	300	1,300	500	1,000
10-19	2,200	500	900	400	S	400
20-29	700	200	S	S	100	200
30 or more	600	300	S	S	S	S
Male	35,400	12,700	6,300	6,700	1,100	8,500
Fewer than 10	12,200	500	1,400	4,900	300	5,000
10-19	8,800	2,300	3,100	1,400	300	1,700
20-29	7,100	4,400	1,100	300	S	1,100
30 or more	7,300	5,500	700	S	300	700
Psychologist	26,900	8,500	5,700	6,700	1,700	4,300
Female	13,500	2,300	3,100	4,100	1,200	2,700
Fewer than 10	6,900	S	900	3,200	800	1,800
10-19	3,900	700	1,600	800	100	700
20-29	1,900	900	500	S	S	200
30 or more	800	600	200	S	S	S
Male	13,400	6,200	2,600	2,500	500	1,600
Fewer than 10	3,500	S	600	1,800	300	800
10-19	2,900	800	1,100	500	S	400
20-29	4,000	2,800	700	200	S	200
30 or more	3,000	2,500	300	S	S	S
Social scientist	47,000	17,400	13,500	10,800	2,400	2,900
Female	16,200	3,700	5,200	4,800	1,200	1,200
Fewer than 10	7,300	200	1,700	3,900	700	1,000
10-19	4,900	900	2,600	800	400	300
20-29	3,100	1,900	900	S	100	S
30 or more	800	800	S	S	S	S
Male	30,800	13,700	8,400	6,000	1,100	1,600
Fewer than 10	10,000	500	2,700	5,400	500	800
10-19	7,300	2,700	3,800	300	200	200
20-29	7,900	5,900	1,300	200	S	400
30 or more	5,600	4,500	500	S	400	200
Engineer	27,800	10,900	5,600	5,600	600	5,000
Female	3,300	500	500	1,300	300	800
Fewer than 10	2,400	S	200	1,200	S	700
10-19	700	400	300	S	S	S
20-29	100	100	S	S	S	S
30 or more	S	S	S	S	S	S
Male	24,500	10,400	5,100	4,400	300	4,300
Fewer than 10	8,200	200	1,400	3,500	S	3,100
10-19	6,500	3,000	2,300	700	S	400
20-29	5,300	3,800	1,000	S	S	400
30 or more	4,400	3,400	400	S	S	400

TABLE H-22. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank: 2003

Occupation, sex, and years since doctorate	Total	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
S&E related occupations	14,500	3,200	1,300	1,900	800	7,300
Female	5,900	1,500	300	800	200	3,100
Fewer than 10	2,700	S	S	400	200	2,100
10-19	1,700	200	200	400	S	800
20-29	1,300	1,100	S	S	S	S
30 or more	S	S	S	S	S	S
Male	8,600	1,700	1,000	1,100	600	4,100
Fewer than 10	3,500	S	S	700	300	2,300
10-19	1,900	300	700	200	S	600
20-29	1,700	700	200	S	S	700
30 or more	1,400	700	S	S	S	500
Non-S&E occupations	75,800	27,200	13,500	13,500	5,400	16,200
Female	25,900	7,400	4,600	5,900	2,700	5,300
Fewer than 10	11,600	400	1,400	5,200	1,900	2,700
10-19	7,400	3,100	2,300	600	S	1,300
20-29	5,300	3,100	900	S	S	400
30 or more	1,700	800	S	S	S	800
Male	49,900	19,800	8,900	7,600	2,700	10,900
Fewer than 10	18,900	1,800	3,600	6,200	1,400	6,000
10-19	9,500	4,700	2,900	1,200	200	600
20-29	11,900	6,800	2,000	200	700	2,100
30 or more	9,600	6,500	400	S	400	2,200

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-23. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and faculty rank: 2003

Occupation, race/ethnicity, and years since doctorate	All faculty	Professor	Associate professor	Assistant professor	Other	Rank not applicable
All occupations	385,200	122,900	79,900	78,700	20,000	83,800
White	292,600	101,900	62,200	56,300	15,700	56,600
Fewer than 10	105,500	4,500	15,700	42,800	8,500	33,900
10-19	75,000	22,200	29,500	10,800	2,400	10,200
20-29	64,500	40,400	12,500	2,000	2,800	6,700
30 or more	47,600	34,700	4,500	600	1,900	5,800
Asian	58,100	12,800	9,000	13,000	2,600	20,800
Fewer than 10	30,100	500	2,600	9,700	1,700	15,600
10-19	17,100	5,100	4,800	2,700	600	3,800
20-29	6,700	4,000	1,100	500	S	900
30 or more	4,200	3,200	400	S	S	400
Black	17,500	3,900	5,900	3,900	800	3,000
Fewer than 10	9,500	400	3,200	3,300	500	2,100
10-19	4,100	1,100	1,800	500	200	500
20-29	2,800	1,600	700	100	S	300
30 or more	1,100	700	200	S	S	S
Hispanic	13,600	3,200	2,400	4,300	700	3,000
Fewer than 10	7,800	400	1,000	3,300	600	2,400
10-19	3,800	1,100	1,200	1,000	100	400
20-29	1,100	800	100	S	S	100
30 or more	1,000	900	S	S	S	S
American Indian/Alaska Native	2,200	900	400	600	S	300
Fewer than 10	800	S	200	500	S	100
10-19	600	200	200	100	S	S
20-29	400	200	S	S	S	S
30 or more	400	400	S	S	S	S
S&E occupations	294,800	92,400	65,100	63,300	13,700	60,300
White	220,100	76,400	50,700	45,500	10,300	37,200
Fewer than 10	77,700	2,600	12,500	34,000	5,400	23,300
10-19	59,900	16,200	24,500	9,300	2,100	7,800
20-29	46,900	30,200	9,800	1,700	1,400	3,800
30 or more	35,700	27,500	4,000	400	1,500	2,400
Asian	49,400	10,300	7,500	11,400	2,300	17,900
Fewer than 10	26,000	400	1,800	8,400	1,600	13,800
10-19	14,100	3,900	4,300	2,400	500	3,000
20-29	5,600	3,500	1,000	500	S	600
30 or more	3,600	2,600	400	S	S	400
Black	12,400	2,400	4,500	2,600	500	2,400
Fewer than 10	7,100	400	2,500	2,200	200	1,800
10-19	3,000	600	1,400	400	200	400
20-29	1,600	900	500	S	S	200
30 or more	700	500	200	S	S	S
Hispanic	10,100	2,400	2,000	2,900	400	2,500
Fewer than 10	5,700	200	800	2,400	300	2,000
10-19	2,800	800	1,100	500	100	300
20-29	800	600	100	S	S	100
30 or more	800	700	S	S	S	S
American Indian/Alaska Native	1,900	800	300	600	S	200
Fewer than 10	800	S	200	400	S	100
10-19	400	200	S	100	S	S
20-29	400	200	S	S	S	S
30 or more	400	400	S	S	S	S

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-24. S&E doctorate holders employed in academic institutions, by type of academic position, sex, race/ethnicity, and disability status: 2003

Academic position	Total	Sex		Race/ethnicity					Disability status	
		Female	Male	White	Asian	Black	Hispanic	American	No disability	With disability
								Indian/ Alaska Native		
All faculty	442,100	144,500	297,600	338,600	61,000	22,000	16,200	2,300	410,300	31,900
President, provost, chancellor	4,900	900	4,000	4,400	S	300	100	S	4,800	200
Dean, department head, chair	36,700	11,800	24,900	30,400	2,400	2,300	1,500	100	33,500	3,200
Research faculty	139,600	41,300	98,300	100,200	26,600	6,000	5,500	900	130,500	9,100
Teaching faculty	236,000	70,100	165,900	188,700	26,400	10,000	8,100	1,500	216,200	19,800
Adjunct faculty	22,600	9,600	13,000	19,000	1,900	800	500	S	19,300	3,300
Postdoc	30,000	11,400	18,600	17,000	10,600	1,000	1,400	S	29,000	1,000
Research assistant	3,200	900	2,300	1,200	1,800	S	100	S	3,100	S
Teaching assistant	600	200	400	400	200	S	S	S	600	S
Other	29,700	10,200	19,500	24,400	2,700	1,300	800	200	26,800	2,900

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. Respondents could answer "yes" to more than one category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2003

Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
All occupations	385,200	122,900	79,900	78,700	20,000	83,800
Female	122,200	25,300	26,300	31,000	9,900	29,700
White	92,100	21,700	20,200	22,600	7,900	19,700
Asian	15,100	1,100	1,800	4,100	1,000	7,100
Black	8,900	1,600	3,400	1,900	400	1,600
Hispanic	4,900	700	800	1,700	500	1,100
American Indian/Alaska Native	600	100	100	300	S	100
Male	263,000	97,600	53,600	47,700	10,000	54,100
White	200,500	80,200	42,000	33,700	7,700	37,000
Asian	43,000	11,700	7,200	8,900	1,600	13,700
Black	8,600	2,300	2,500	1,900	500	1,400
Hispanic	8,700	2,500	1,600	2,600	200	1,800
American Indian/Alaska Native	1,600	700	300	300	S	200
S&E occupations	294,800	92,400	65,100	63,300	13,700	60,300
Female	90,400	16,400	21,400	24,300	7,000	21,300
White	67,200	14,200	16,300	18,300	5,400	13,100
Asian	12,200	900	1,400	3,200	1,000	5,700
Black	6,300	700	2,900	1,000	300	1,300
Hispanic	3,800	400	600	1,400	300	1,000
American Indian/Alaska Native	600	100	100	300	S	100
Male	204,400	76,000	43,700	39,000	6,700	39,000
White	152,900	62,200	34,400	27,200	4,900	24,200
Asian	37,200	9,400	6,100	8,200	1,400	12,200
Black	6,200	1,700	1,600	1,600	200	1,000
Hispanic	6,400	1,900	1,300	1,500	100	1,500
American Indian/Alaska Native	1,300	700	200	300	S	100
Scientist	267,100	81,500	59,500	57,700	13,100	55,300
Female	87,100	15,900	20,900	23,000	6,700	20,500
White	65,000	13,800	16,000	17,600	5,100	12,700
Asian	11,600	900	1,300	3,000	1,000	5,400
Black	6,200	700	2,900	1,000	300	1,300
Hispanic	3,500	400	600	1,200	300	1,000
American Indian/Alaska Native	400	100	100	100	S	S
Male	180,000	65,600	38,600	34,600	6,400	34,800
White	136,300	54,900	30,800	24,400	4,700	21,500
Asian	31,400	7,100	5,100	7,000	1,300	10,900
Black	5,200	1,300	1,300	1,400	200	1,000
Hispanic	5,500	1,600	1,100	1,400	100	1,200
American Indian/Alaska Native	1,200	600	200	300	S	S
Biological/life scientist	112,900	29,700	22,200	23,000	5,400	32,600
Female	41,900	7,500	7,800	10,200	2,800	13,600
White	31,200	6,900	6,500	8,000	1,800	8,100
Asian	7,200	200	700	1,400	700	4,200
Black	1,600	200	300	400	100	600
Hispanic	1,700	200	300	500	200	600
American Indian/Alaska Native	200	S	S	S	S	S
Male	71,000	22,200	14,500	12,800	2,600	19,000
White	51,000	19,200	11,400	8,300	1,300	10,600
Asian	15,700	1,900	2,200	3,300	1,100	7,100
Black	1,600	300	300	500	S	400
Hispanic	2,400	600	400	500	S	800
American Indian/Alaska Native	300	S	S	S	S	S

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2003

Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
Computer and information scientist	14,800	3,500	3,400	3,600	600	3,600
Female	2,400	300	500	600	300	700
White	1,300	200	300	400	S	200
Asian	500	100	100	200	S	100
Black	500	S	100	S	S	S
Hispanic	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	12,400	3,200	2,900	3,000	400	2,900
White	8,700	2,500	1,900	2,100	300	1,800
Asian	2,900	600	800	700	S	800
Black	500	S	S	100	S	S
Hispanic	200	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Mathematical scientist	23,500	8,600	7,000	5,200	1,200	1,600
Female	6,600	1,000	3,000	1,600	500	500
White	3,400	900	800	1,000	300	400
Asian	1,000	100	200	500	100	S
Black	2,100	S	2,000	S	S	S
Hispanic	100	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	17,000	7,600	4,000	3,600	700	1,200
White	12,900	5,600	3,300	2,400	600	900
Asian	3,100	1,700	300	900	S	100
Black	400	100	100	100	S	S
Hispanic	600	200	200	200	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Physical scientist	41,900	13,800	7,600	8,400	1,800	10,400
Female	6,500	1,000	1,300	1,700	700	1,900
White	5,100	900	1,100	1,400	600	1,100
Asian	1,000	100	100	100	S	600
Black	200	S	S	100	S	S
Hispanic	200	100	S	100	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	35,400	12,700	6,300	6,700	1,100	8,500
White	28,100	10,600	5,300	5,600	1,000	5,600
Asian	5,800	1,500	700	800	S	2,700
Black	400	100	100	100	S	S
Hispanic	800	400	200	S	S	200
American Indian/Alaska Native	200	S	S	S	S	S
Psychologist	26,900	8,500	5,700	6,700	1,700	4,300
Female	13,500	2,300	3,100	4,100	1,200	2,700
White	11,100	1,800	2,700	3,400	1,100	2,100
Asian	700	S	100	200	S	200
Black	800	200	200	200	S	200
Hispanic	800	100	100	300	S	200
American Indian/Alaska Native	100	S	S	S	S	S
Male	13,400	6,200	2,600	2,500	500	1,600
White	12,200	5,800	2,300	2,200	500	1,300
Asian	200	100	S	S	S	S
Black	400	S	200	100	S	100
Hispanic	400	S	100	100	S	100
American Indian/Alaska Native	100	S	S	S	S	S
Social scientist	47,000	17,400	13,500	10,800	2,400	2,900
Female	16,200	3,700	5,200	4,800	1,200	1,200
White	12,900	3,100	4,600	3,400	1,000	800
Asian	1,200	200	200	500	100	100

TABLE H-25. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2003

Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
Black	900	300	200	300	S	100
Hispanic	800	100	100	400	S	200
American Indian/Alaska Native	100	S	S	S	S	S
Male	30,800	13,700	8,400	6,000	1,100	1,600
White	23,500	11,100	6,500	3,700	900	1,300
Asian	3,700	1,200	1,100	1,300	S	S
Black	2,000	700	600	500	S	100
Hispanic	1,100	400	100	400	S	100
American Indian/Alaska Native	500	200	S	S	S	S
Engineer	27,800	10,900	5,600	5,600	600	5,000
Female	3,300	500	500	1,300	300	800
White	2,200	400	400	700	300	400
Asian	600	S	S	200	S	300
Black	100	S	S	S	S	S
Hispanic	300	S	100	200	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	24,500	10,400	5,100	4,400	300	4,300
White	16,600	7,400	3,600	2,800	200	2,600
Asian	5,800	2,400	1,000	1,200	S	1,300
Black	1,000	400	300	200	S	S
Hispanic	900	300	300	100	S	300
American Indian/Alaska Native	S	S	S	S	S	S
S&E related occupations	14,500	3,200	1,300	1,900	800	7,300
Female	5,900	1,500	300	800	200	3,100
White	4,200	1,400	300	500	200	1,900
Asian	1,500	S	S	200	S	1,200
Black	200	S	S	100	S	S
Hispanic	100	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	8,600	1,700	1,000	1,100	600	4,100
White	6,300	1,400	900	800	400	2,800
Asian	1,900	S	S	200	S	1,200
Black	100	S	S	S	S	S
Hispanic	100	S	S	S	S	100
American Indian/Alaska Native	S	S	S	S	S	S
Non-S&E occupations	75,800	27,200	13,500	13,500	5,400	16,200
Female	25,900	7,400	4,600	5,900	2,700	5,300
White	20,700	6,100	3,600	3,900	2,400	4,700
Asian	1,400	200	400	700	S	200
Black	2,400	800	500	800	S	300
Hispanic	1,100	300	100	300	S	S
American Indian/Alaska Native	S	S	S	S	S	S
Male	49,900	19,800	8,900	7,600	2,700	10,900
White	41,300	16,500	6,700	5,600	2,400	10,000
Asian	4,000	2,100	1,000	500	S	300
Black	2,300	600	900	300	S	300
Hispanic	2,200	600	200	1,100	S	300
American Indian/Alaska Native	200	S	S	S	S	S

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers are rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-26. S&E doctorate holders employed in universities and 4-year colleges, by occupation, disability status and faculty rank: 2003

Occupation and disability status	All faculty	Professor	Associate professor	Assistant professor	Other faculty	Rank not applicable
All occupations	385,200	122,900	79,900	78,700	20,000	83,800
No disability	357,300	111,600	74,500	73,800	17,800	79,600
With disability	27,800	11,200	5,400	4,900	2,200	4,200
S&E occupations	294,800	92,400	65,100	63,300	13,700	60,300
No disability	275,200	84,000	60,700	60,400	12,500	57,700
With disability	19,600	8,400	4,400	2,900	1,200	2,700
Scientist	267,100	81,500	59,500	57,700	13,100	55,300
No disability	249,100	74,200	55,300	55,000	11,900	52,800
With disability	17,900	7,300	4,200	2,700	1,200	2,500
Biological/life scientist	112,900	29,700	22,200	23,000	5,400	32,600
No disability	106,100	27,400	20,700	21,800	4,700	31,500
With disability	6,900	2,300	1,500	1,200	700	1,100
Computer and information scientist	14,800	3,500	3,400	3,600	600	3,600
No disability	14,000	3,200	3,200	3,500	600	3,400
With disability	800	300	200	100	S	S
Mathematical scientist	23,500	8,600	7,000	5,200	1,200	1,600
No disability	22,500	8,100	6,800	5,000	1,100	1,500
With disability	1,100	500	200	100	S	200
Physical scientist	41,900	13,800	7,600	8,400	1,800	10,400
No disability	39,400	12,500	7,100	8,200	1,700	9,900
With disability	2,500	1,300	500	200	100	500
Psychologist	26,900	8,500	5,700	6,700	1,700	4,300
No disability	24,900	7,600	5,300	6,200	1,700	4,100
With disability	2,000	900	400	500	S	200
Social scientist	47,000	17,400	13,500	10,800	2,400	2,900
No disability	42,300	15,400	12,200	10,200	2,100	2,400
With disability	4,600	2,000	1,300	600	300	400
Engineer	27,800	10,900	5,600	5,600	600	5,000
No disability	26,100	9,800	5,400	5,400	600	4,900
With disability	1,700	1,100	200	200	S	200
S&E related occupations	14,500	3,200	1,300	1,900	800	7,300
No disability	13,900	3,100	1,200	1,700	800	7,100
With disability	600	200	S	200	S	200
Non-S&E occupations	75,800	27,200	13,500	13,500	5,400	16,200
No disability	68,200	24,500	12,600	11,700	4,500	14,900
With disability	7,600	2,700	900	1,800	900	1,300

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Details may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2003

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
All occupations	385,200	169,100	66,300	48,500	101,300
Female	122,200	40,600	23,400	20,400	37,800
Fewer than 10	61,900	6,700	19,200	10,600	25,400
10-19	35,500	18,500	3,800	5,200	8,000
20-29	18,500	11,300	400	3,400	3,500
30 or more	6,300	4,000	S	1,300	900
Male	263,000	128,500	42,900	28,000	63,600
Fewer than 10	92,400	12,600	31,800	12,200	35,800
10-19	65,400	38,300	8,800	7,300	11,100
20-29	57,000	41,100	1,800	4,700	9,300
30 or more	48,100	36,500	400	3,800	7,400
S&E occupations	294,800	132,400	51,900	36,300	74,300
Female	90,400	30,000	18,200	14,500	27,700
Fewer than 10	47,600	5,700	14,500	7,700	19,800
10-19	26,500	13,200	3,300	4,600	5,300
20-29	12,000	8,100	400	1,600	1,900
30 or more	4,300	3,100	S	600	600
Male	204,400	102,400	33,700	21,800	46,600
Fewer than 10	70,000	9,300	24,500	10,100	26,100
10-19	54,000	31,400	7,400	6,000	9,200
20-29	43,400	32,800	1,300	2,900	6,300
30 or more	37,000	29,000	400	2,800	4,900
Scientist	267,100	117,900	46,400	34,300	68,600
Female	87,100	29,200	17,000	14,300	26,700
Fewer than 10	45,200	5,500	13,400	7,500	18,900
10-19	25,700	12,600	3,300	4,600	5,300
20-29	11,900	8,000	400	1,600	1,900
30 or more	4,300	3,100	S	600	600
Male	180,000	88,700	29,400	20,000	41,900
Fewer than 10	61,800	8,000	21,400	9,000	23,400
10-19	47,500	26,700	6,500	5,700	8,600
20-29	38,000	28,400	1,200	2,900	5,600
30 or more	32,600	25,600	300	2,500	4,300
Biological/life scientist	112,900	40,600	18,500	18,800	35,100
Female	41,900	12,100	7,300	8,300	14,300
Fewer than 10	22,100	2,600	4,900	4,000	10,600
10-19	12,900	5,100	2,200	3,300	2,400
20-29	5,200	3,200	200	800	1,000
30 or more	1,800	1,200	S	300	300
Male	71,000	28,500	11,200	10,500	20,800
Fewer than 10	25,300	1,800	6,200	4,100	13,300
10-19	20,200	8,000	4,300	3,600	4,300
20-29	13,800	9,900	600	1,500	1,700
30 or more	11,700	8,800	S	1,200	1,500
Computer and information scientist	14,800	5,800	3,300	1,400	4,200
Female	2,400	600	700	300	800
Fewer than 10	1,600	100	700	100	700
10-19	400	300	S	S	S
20-29	300	200	S	S	S
30 or more	S	S	S	S	S

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2003

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Male	12,400	5,200	2,600	1,200	3,400
Fewer than 10	5,800	800	2,200	700	2,100
10-19	3,100	1,700	300	300	800
20-29	2,200	1,600	S	S	300
30 or more	1,400	1,000	S	100	S
Mathematical scientist	23,500	12,600	3,900	2,000	5,000
Female	6,600	1,800	1,200	800	2,900
Fewer than 10	4,300	500	1,100	400	2,400
10-19	1,300	700	S	200	300
20-29	700	500	S	S	S
30 or more	200	S	S	S	S
Male	17,000	10,800	2,700	1,300	2,200
Fewer than 10	5,000	1,000	2,400	600	1,000
10-19	5,300	4,300	200	400	400
20-29	3,000	2,500	S	S	400
30 or more	3,700	3,000	S	S	500
Physical scientist	41,900	18,500	6,700	4,900	11,800
Female	6,500	2,100	1,400	1,000	2,000
Fewer than 10	3,100	200	1,000	600	1,200
10-19	2,200	1,200	400	S	500
20-29	700	400	S	100	200
30 or more	600	200	S	S	S
Male	35,400	16,400	5,300	3,900	9,800
Fewer than 10	12,200	1,300	3,900	1,900	5,000
10-19	8,800	5,000	1,300	600	2,000
20-29	7,100	4,800	S	700	1,500
30 or more	7,300	5,300	S	600	1,300
Psychologist	26,900	11,800	4,300	3,200	7,600
Female	13,500	4,500	2,500	2,000	4,500
Fewer than 10	6,900	800	1,900	1,400	2,700
10-19	3,900	1,700	500	400	1,300
20-29	1,900	1,200	S	200	300
30 or more	800	700	S	S	S
Male	13,400	7,300	1,800	1,200	3,100
Fewer than 10	3,500	500	1,600	400	1,000
10-19	2,900	1,700	100	400	700
20-29	4,000	2,600	S	200	1,100
30 or more	3,000	2,600	S	S	300
Social scientist	47,000	28,500	9,600	3,900	4,900
Female	16,200	8,100	3,900	1,900	2,200
Fewer than 10	7,300	1,200	3,700	1,000	1,300
10-19	4,900	3,500	200	600	600
20-29	3,100	2,600	S	300	200
30 or more	800	700	S	S	S
Male	30,800	20,400	5,700	2,000	2,700
Fewer than 10	10,000	2,600	5,100	1,200	1,100
10-19	7,300	6,000	400	300	500
20-29	7,900	7,000	S	200	500
30 or more	5,600	4,700	S	300	600
Engineer	27,800	14,600	5,500	2,000	5,700
Female	3,300	900	1,200	200	1,000
Fewer than 10	2,400	200	1,100	200	1,000
10-19	700	600	S	S	S

TABLE H-27. S&E doctorate holders employed in universities and 4-year colleges, by occupation, sex, years since doctorate, and tenure status: 2003

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
20-29	100	100	S	S	S
30 or more	S	S	S	S	S
Male	24,500	13,700	4,300	1,800	4,700
Fewer than 10	8,200	1,300	3,200	1,100	2,700
10-19	6,500	4,700	900	300	600
20-29	5,300	4,300	200	S	800
30 or more	4,400	3,400	S	300	600
S&E related occupations	14,500	2,300	1,000	3,200	8,100
Female	5,900	600	400	1,600	3,400
Fewer than 10	2,700	S	200	400	2,000
10-19	1,700	200	S	300	1,000
20-29	1,300	200	S	S	300
30 or more	S	S	S	S	S
Male	8,600	1,700	600	1,600	4,700
Fewer than 10	3,500	S	300	700	2,400
10-19	1,900	300	300	200	1,100
20-29	1,700	600	S	400	700
30 or more	1,400	700	S	200	500
Non-S&E occupations	75,800	34,400	13,400	9,000	19,000
Female	25,900	10,000	4,900	4,300	6,700
Fewer than 10	11,600	1,000	4,500	2,500	3,500
10-19	7,400	5,100	400	200	1,700
20-29	5,300	3,000	S	900	1,300
30 or more	1,700	800	S	S	200
Male	49,900	24,500	8,600	4,600	12,300
Fewer than 10	18,900	3,300	7,000	1,400	7,300
10-19	9,500	6,600	1,000	1,100	800
20-29	11,900	7,700	500	1,400	2,300
30 or more	9,700	6,900	S	800	1,900

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-28. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and tenure status: 2003

Occupation, race/ethnicity, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
All occupations	385,200	169,100	66,300	48,500	101,300
White	292,600	139,400	47,800	35,000	70,300
Fewer than 10	105,500	15,100	36,700	15,000	38,600
10-19	75,000	44,000	9,100	8,400	13,500
20-29	64,500	44,900	1,700	7,200	10,600
30 or more	47,600	35,400	300	4,300	7,600
Asian	58,100	17,800	10,400	8,700	21,200
Fewer than 10	30,100	2,200	7,500	4,900	15,500
10-19	17,100	7,900	2,400	2,600	4,200
20-29	6,700	4,500	400	700	1,100
30 or more	4,200	3,200	S	500	400
Black	17,500	6,000	3,800	1,700	6,000
Fewer than 10	9,500	900	3,400	900	4,400
10-19	4,100	2,500	300	600	600
20-29	2,800	1,800	100	100	800
30 or more	1,100	700	S	S	200
Hispanic	13,600	4,600	3,100	2,700	3,200
Fewer than 10	7,800	1,000	2,600	1,900	2,300
10-19	3,800	1,900	500	700	700
20-29	1,100	800	S	100	200
30 or more	1,000	800	S	S	S
American Indian/Alaska Native	2,200	1,200	600	100	300
Fewer than 10	800	200	400	S	200
10-19	600	400	S	S	S
20-29	400	300	S	S	S
30 or more	400	300	S	S	S
S&E occupations	294,800	132,400	51,900	36,300	74,300
White	220,100	108,900	37,400	25,300	48,600
Fewer than 10	77,700	11,800	28,300	11,200	26,400
10-19	59,900	34,500	7,800	7,500	10,200
20-29	46,900	34,900	1,200	3,800	7,000
30 or more	35,700	27,700	200	2,800	5,000
Asian	49,400	14,700	9,000	7,800	17,900
Fewer than 10	26,000	1,800	6,300	4,500	13,400
10-19	14,100	6,400	2,100	2,300	3,300
20-29	5,600	3,800	400	600	800
30 or more	3,600	2,700	S	400	300
Black	12,400	4,100	2,500	1,100	4,800
Fewer than 10	7,100	500	2,100	500	4,000
10-19	3,000	1,900	300	400	400
20-29	1,600	1,200	S	S	300
30 or more	700	500	S	S	S
Hispanic	10,100	3,600	2,200	1,900	2,500
Fewer than 10	5,700	700	1,700	1,500	1,800
10-19	2,800	1,600	500	300	600
20-29	800	600	S	S	200
30 or more	800	700	S	S	S
American Indian/Alaska Native	1,900	1,100	600	S	300
Fewer than 10	800	200	400	S	100
10-19	400	300	S	S	S
20-29	400	300	S	S	S
30 or more	400	300	S	S	S
S&E-related occupations	14,500	2,300	1,000	3,200	8,100
White	10,500	1,900	700	2,500	5,400

TABLE H-28. S&E doctorate holders employed in universities and 4-year colleges, by occupation, race/ethnicity, years since doctorate, and tenure status: 2003

Occupation, race/ethnicity, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Fewer than 10	3,900	S	400	800	2,600
10-19	2,300	400	200	300	1,300
20-29	2,800	700	S	1,200	900
30 or more	1,400	600	S	200	600
Asian	3,400	300	200	500	2,400
Fewer than 10	2,000	S	S	300	1,600
10-19	1,100	S	S	S	700
20-29	200	S	S	S	S
30 or more	S	S	S	S	S
Black	300	S	S	100	100
Fewer than 10	200	S	S	S	100
10-19	S	S	S	S	S
20-29	S	S	S	S	S
30 or more	S	S	S	S	S
Hispanic	200	S	S	S	100
Fewer than 10	100	S	S	S	100
10-19	S	S	S	S	S
20-29	S	S	S	S	S
30 or more	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S
Fewer than 10	S	S	S	S	S
10-19	S	S	S	S	S
20-29	S	S	S	S	S
30 or more	S	S	S	S	S
Non-S&E occupations	75,800	34,400	13,400	9,000	19,000
White	62,000	28,600	9,800	7,200	16,400
Fewer than 10	23,900	3,200	8,000	3,100	9,600
10-19	12,800	9,000	1,100	600	2,000
20-29	14,800	9,300	500	2,200	2,800
30 or more	10,400	7,100	S	1,300	2,000
Asian	5,400	2,800	1,300	400	900
Fewer than 10	2,100	400	1,100	S	400
10-19	2,000	1,500	S	S	200
20-29	900	600	S	S	200
30 or more	400	200	S	S	S
Black	4,700	1,900	1,300	500	1,000
Fewer than 10	2,200	400	1,300	300	300
10-19	1,000	700	S	200	200
20-29	1,100	600	S	S	500
30 or more	300	200	S	S	S
Hispanic	3,300	1,000	900	800	600
Fewer than 10	2,000	300	900	400	500
10-19	900	300	S	S	S
20-29	300	200	S	S	S
30 or more	200	100	S	S	S
American Indian/Alaska Native	200	S	S	S	S
Fewer than 10	S	S	S	S	S
10-19	100	S	S	S	S
20-29	S	S	S	S	S
30 or more	S	S	S	S	S

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-29. S&E doctorate holders employed in universities and 4-year colleges, by occupation, disability status, and tenure status: 2003

Occupation and disability status	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
All occupations	385,200	169,100	66,300	48,500	101,300
No disability	357,300	154,400	62,300	44,900	95,800
With disability	27,800	14,700	4,000	3,600	5,600
S&E occupations	294,800	132,400	51,900	36,300	74,300
No disability	275,200	120,800	49,700	34,000	70,700
With disability	19,600	11,600	2,100	2,300	3,600
Scientist	267,100	117,900	46,400	34,300	68,600
No disability	249,100	107,400	44,400	32,100	65,300
With disability	17,900	10,500	2,000	2,200	3,300
Biological/life scientist	112,900	40,600	18,500	18,800	35,100
No disability	106,100	37,100	17,700	17,600	33,700
With disability	6,900	3,500	800	1,200	1,400
Computer and information scientist	14,800	5,800	3,300	1,400	4,200
No disability	14,000	5,300	3,200	1,400	4,100
With disability	800	500	100	S	S
Mathematical scientist	23,500	12,600	3,900	2,000	5,000
No disability	22,500	11,900	3,700	2,000	4,800
With disability	1,100	700	100	S	200
Physical scientist	41,900	18,500	6,700	4,900	11,800
No disability	39,400	17,000	6,600	4,400	11,300
With disability	2,500	1,500	100	500	500
Psychologist	26,900	11,800	4,300	3,200	7,600
No disability	24,900	10,700	4,000	3,100	7,200
With disability	2,000	1,200	300	S	400
Social scientist	47,000	28,500	9,600	3,900	4,900
No disability	42,300	25,400	9,200	3,600	4,200
With disability	4,600	3,100	500	300	700
Engineer	27,800	14,600	5,500	2,000	5,700
No disability	26,100	13,400	5,300	1,900	5,400
With disability	1,700	1,200	200	S	300
S&E related occupations	14,500	2,300	1,000	3,200	8,100
No disability	13,900	2,100	900	3,000	7,900
With disability	600	200	S	200	200
Non-S&E occupations	75,800	34,400	13,400	9,000	19,000
No disability	68,200	31,500	11,600	7,900	17,200
With disability	7,600	2,900	1,800	1,100	1,800

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-30. Percentage of full-time ranked S&E doctorate holders employed in 4-year colleges or universities who are supported by federal grants or contracts, by occupation, sex, race/ethnicity, and disability status: 2003

(Percent)

Occupation	Total	Sex		Race/ethnicity					Disability status	
		Female	Male	White	Asian	Black	Hispanic	American	No disability	With disability
								Indian/ Alaska Native		
All occupations (number)	119,000	30,200	88,800	93,400	16,100	3,800	4,300	800	109,800	9,100
All occupations	42.3	35.8	45.0	42.5	45.8	28.0	42.9	41.3	42.1	44.0
S&E occupations	46.7	40.5	49.2	46.9	50.9	28.6	50.8	39.2	47.0	42.0
Scientist	44.8	39.4	47.2	45.0	48.6	26.0	48.7	44.3	45.1	40.2
Biological/life scientist	58.0	51.2	61.6	56.9	60.9	62.0	68.8	65.2	58.6	49.6
Computer and information scientist	45.4	33.5	47.4	43.6	47.1	50.0	71.4	S	45.8	39.7
Mathematical scientist	30.9	26.3	32.7	35.5	30.2	3.0	36.8	S	30.8	32.4
Physical scientist	60.1	53.6	61.2	59.6	63.4	37.3	69.9	72.4	60.6	51.9
Psychologist	30.8	32.7	29.1	30.4	37.2	22.3	37.5	46.7	30.9	29.5
Social scientist	21.5	22.3	21.2	23.1	17.8	15.7	9.8	S	21.1	25.7
Engineer	63.9	68.4	63.4	65.5	63.2	52.2	66.5	S	64.4	58.2
S&E-related occupations	43.7	35.2	48.9	45.0	30.2	45.8	S	S	41.4	77.9
Non-S&E occupations	24.9	20.3	27.2	25.4	16.5	25.6	23.4	S	22.6	47.0

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-31. Full-time natural science and engineering doctorate holders employed in 4-year colleges or universities, by sex, race, disability status, and number of refereed publications and patents since 1998: 2003

Sex, race/ethnicity, and disability status	Publications since 1998							Patents since 1998	
	Total	None	1 or 2	3-5	6-10	11-20	More than 20	No	Yes
Total	357,900	30,400	26,500	41,800	71,500	83,800	103,800	326,200	31,700
Female	110,300	10,800	10,800	14,400	24,000	26,100	24,200	104,200	6,000
Male	247,600	19,700	15,700	27,400	47,500	57,700	79,500	222,000	25,600
White	270,200	23,900	19,900	30,800	53,500	61,300	80,900	246,800	23,500
Asian	55,100	3,800	2,100	5,800	12,000	15,400	16,100	48,400	6,700
Black	16,500	1,600	3,400	3,400	3,300	2,600	2,200	16,100	400
Hispanic	12,900	1,000	900	1,700	2,100	3,500	3,700	12,100	800
American Indian/Alaskan Native	2,100	S	100	100	300	800	700	1,900	200
No disability	333,500	27,700	25,400	39,000	66,400	79,300	95,700	304,400	29,100
With disability	24,400	2,800	1,100	2,800	5,100	4,500	8,100	21,800	2,500

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Natural sciences includes biological, life, computer, mathematical, and physical sciences. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-32. Scientists and engineers employed in government, by managerial status, age, sex, race/ethnicity, and disability status: 2003

Primary or secondary work activity and age (years)	Race/ethnicity									
	Sex			Race/ethnicity					Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability
All ages	2,142,900	892,400	1,250,400	1,574,700	150,400	226,400	131,500	13,900	1,989,000	153,900
Managers	863,200	309,200	553,900	664,800	43,900	87,500	44,300	3,900	802,300	60,900
Nonmanagers	1,279,700	583,200	696,500	909,900	106,500	138,900	87,200	10,100	1,186,700	93,000
Percent who are managers	40.3	34.7	44.3	42.2	29.2	38.6	33.7	27.9	40.3	39.6
Younger than 35	457,200	214,000	243,200	330,100	30,500	46,300	33,400	4,600	445,500	11,700
Managers	145,500	55,600	89,900	112,000	7,700	14,000	8,400	S	139,400	6,100
Nonmanagers	311,700	158,500	153,300	218,100	22,900	32,400	25,100	4,000	306,100	5,600
Percent who are managers	31.8	26.0	37.0	33.9	25.1	30.2	25.0	S	31.3	52.2
35-44	582,600	243,500	339,100	401,800	43,600	71,500	46,800	4,400	552,600	30,000
Managers	234,800	94,000	140,700	171,500	12,600	28,400	13,900	2,200	225,600	9,100
Nonmanagers	347,800	149,500	198,300	230,300	31,000	43,000	32,900	2,200	327,000	20,800
Percent who are managers	40.3	38.6	41.5	42.7	28.8	39.8	29.7	49.7	40.8	30.5
45-54	714,600	295,900	418,700	543,100	46,900	72,900	37,800	2,600	647,300	67,300
Managers	322,700	116,200	206,400	255,600	14,500	30,500	14,800	S	294,000	28,700
Nonmanagers	391,900	179,700	212,300	287,500	32,500	42,400	23,000	2,200	353,400	38,600
Percent who are managers	45.2	39.3	49.3	47.1	30.8	41.8	39.2	S	45.4	42.7
55 or older	388,500	139,000	249,500	299,700	29,300	35,700	13,400	2,300	343,600	44,900
Managers	160,200	43,400	116,800	125,600	9,200	14,600	7,200	S	143,300	16,900
Nonmanagers	228,300	95,600	132,600	174,100	20,100	21,100	6,200	1,600	200,300	28,000
Percent who are managers	41.2	31.2	46.8	41.9	31.4	40.8	53.7	S	41.7	37.7

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability." Managers include anyone who reported management as either a primary or secondary work activity.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-33. Primary or secondary work activity of scientists and engineers employed in business or industry, by age, sex, race/ethnicity, and disability status: 2003

Age in years and work activity	Total	Sex		Race/ethnicity					Disability status	
		Female	Male	White	Asian	Black	Hispanic	American	No disability	With disability
								Indian/ Alaska Native		
All ages	9,677,900	3,198,700	6,479,100	7,472,200	1,121,900	421,000	477,900	33,400	9,202,600	475,300
Computer applications	1,961,900	539,600	1,422,300	1,396,300	361,300	77,700	89,900	3,100	1,873,600	88,300
Management/administration	3,589,800	986,500	2,603,300	2,928,300	291,900	142,700	154,500	13,800	3,435,200	154,600
Research and development	1,965,200	528,100	1,437,100	1,433,100	307,000	87,300	95,900	7,900	1,868,300	96,900
Teaching	439,200	257,600	181,600	355,400	29,700	28,900	18,200	1,900	420,000	19,200
Other	7,819,700	2,715,400	5,104,300	6,124,800	806,100	340,500	395,600	28,700	7,422,700	397,000
Younger than 35	2,574,700	1,044,000	1,530,700	1,851,000	397,400	120,100	145,300	4,900	2,516,500	58,200
Computer applications	646,400	180,400	466,000	402,200	173,400	22,900	33,200	1,500	630,300	16,000
Management/administration	822,900	292,500	530,400	629,000	90,800	36,900	42,600	1,400	808,100	14,800
Research and development	614,500	212,300	402,300	409,900	122,400	32,800	33,800	2,600	597,500	17,100
Teaching	104,000	72,900	31,100	82,500	8,200	5,700	4,600	S	102,400	1,600
Other	1,891,200	837,300	1,053,900	1,406,600	240,800	87,600	111,500	2,800	1,847,700	43,500
35-44	3,046,800	1,029,600	2,017,200	2,284,900	371,800	145,600	185,300	9,600	2,950,800	96,000
Computer applications	686,400	191,500	495,000	490,100	115,100	31,400	34,500	1,100	666,200	20,300
Management/administration	1,230,400	348,700	881,700	982,300	114,500	47,000	63,600	4,600	1,197,100	33,300
Research and development	644,800	170,700	474,100	447,400	112,300	33,100	37,300	1,700	626,000	18,800
Teaching	146,800	89,800	57,000	120,400	8,700	10,400	6,300	S	142,200	4,700
Other	2,389,200	860,000	1,529,200	1,816,500	257,500	117,700	150,400	7,600	2,312,700	76,400
45-54	2,583,000	810,500	1,772,500	2,096,700	232,500	114,600	99,100	13,500	2,404,100	178,900
Computer applications	426,100	118,100	308,000	334,800	51,700	19,600	15,300	S	398,100	27,900
Management/administration	1,031,700	262,000	769,700	876,200	59,200	43,500	33,300	6,600	967,300	64,400
Research and development	451,100	99,100	352,000	365,200	50,300	15,300	15,300	1,500	420,900	30,200
Teaching	122,400	72,400	50,000	102,100	6,000	8,200	4,800	S	114,600	7,800
Other	2,151,900	701,700	1,450,300	1,748,400	187,400	94,800	85,500	12,700	2,001,600	150,300
55 and older	1,473,300	314,500	1,158,800	1,239,700	120,200	40,800	48,100	5,400	1,331,200	142,100
Computer applications	203,000	49,600	153,400	169,200	21,100	3,700	6,900	S	179,000	24,000
Management/administration	504,800	83,400	421,400	440,700	27,500	15,300	15,000	1,200	462,700	42,100
Research and development	254,700	45,900	208,700	210,500	22,100	6,100	9,500	2,100	223,900	30,800
Teaching	65,900	22,400	43,500	50,500	6,700	4,500	2,500	S	60,900	5,100
Other	1,276,400	276,800	999,600	1,075,900	104,200	33,500	40,700	5,100	1,152,800	123,600

S = suppressed because fewer than 50 weighted cases.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Sum of primary/secondary work activity categories exceeds total because of multiple response. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-34. Median number of direct subordinates for managerial scientists and engineers employed in business or industry, by age, sex, race/ethnicity, and disability status: 2003

Sex, race/ethnicity, and disability status	All ages	Younger			
	(years)	than 35	35-44	45-54	55 or older
Total	6	4	6	8	7
Female	5	3	5	6	5
Male	7	4	7	9	8
White	6	4	7	8	7
Asian	5	3	5	6	7
Black	7	7	7	7	4
Hispanic	6	3	6	8	6
American Indian/Alaska Native	9	5	5	9	12
No disability	6	4	6	8	7
With disability	6	4	4	9	6

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-35. Scientists and engineers employed full time in business or industry, by occupation, number of publications since 1998, applications for a U.S. patent since 1998, sex, race/ethnicity, and disability status: 2003

Occupation, publications, and patents	Race/ethnicity										
	Sex			Race/ethnicity						Disability status	
	Total	Female	Male	White	Asian	Black	Hispanic	American Indian/ Alaska Native	No disability	With disability	
Publications since 1998											
All occupations	8,850,100	2,611,800	6,238,300	6,772,600	1,055,700	398,700	453,600	29,800	8,433,200	416,900	
None	7,407,500	2,286,700	5,120,800	5,640,800	887,600	345,500	391,800	24,200	7,053,700	353,800	
1 or 2	645,400	163,400	482,000	515,100	72,300	24,500	25,200	2,100	614,500	30,900	
3 to 5	371,800	73,600	298,200	282,100	47,700	15,900	17,500	1,800	354,200	17,600	
6 to 10	221,200	59,400	161,900	170,500	26,400	7,000	9,300	700	214,100	7,100	
11 to 20	128,000	16,600	111,300	105,000	13,800	2,900	4,900	S	123,900	4,000	
More than 20	76,100	12,100	64,000	59,000	7,900	3,000	5,000	S	72,800	3,400	
Patents since 1998											
All natural scientists and engineers ^a	2,879,400	546,900	2,332,400	2,115,700	475,600	117,400	121,100	7,200	2,750,100	129,300	
No	2,610,900	521,400	2,089,500	1,910,600	427,600	113,000	113,600	6,700	2,493,200	117,700	
Yes	268,500	25,500	242,900	205,100	48,100	4,400	7,500	500	256,900	11,600	
Biological/life scientist	119,000	49,000	69,900	88,900	18,400	4,500	6,200	200	113,500	5,500	
No	100,800	43,600	57,200	76,300	13,500	4,300	5,800	S	96,000	4,800	
Yes	18,100	5,400	12,700	12,600	4,900	200	400	S	17,400	700	
Computer and information scientist	1,398,700	330,200	1,068,500	971,200	285,900	68,400	49,400	2,800	1,337,500	61,200	
No	1,325,000	321,800	1,003,200	916,100	272,500	66,400	47,900	2,700	1,266,900	58,100	
Yes	73,700	8,400	65,300	55,100	13,400	2,000	1,500	S	70,600	3,100	
Engineer	1,174,800	113,100	1,061,800	909,900	146,800	38,700	58,400	3,500	1,120,200	54,600	
No	1,027,000	105,500	921,500	793,600	123,300	37,200	53,200	3,200	979,600	47,400	
Yes	147,800	7,500	140,300	116,300	23,500	1,400	5,200	S	140,700	7,200	
Mathematical scientist	30,600	8,800	21,700	25,000	3,600	1,200	300	S	28,600	2,000	
No	29,100	8,800	20,300	23,700	3,400	1,200	200	S	27,200	1,900	
Yes	1,500	100	1,400	1,200	200	S	S	S	1,400	S	
Physical scientist	156,300	45,800	110,500	120,600	21,000	4,500	6,900	800	150,200	6,100	
No	129,000	41,700	87,300	100,800	14,900	3,800	6,500	700	123,500	5,500	
Yes	27,300	4,200	23,100	19,800	6,100	700	400	S	26,700	600	

S = suppressed because fewer than 50 weighted cases.

^a The prevalence of patents by social scientists was so low they were excluded from this analysis, as were those in S&E related and non-S&E occupations.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. Total includes Native Hawaiian/Other Pacific Islander and multiple race not shown separately. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-36. Demographic characteristics of employed scientists and engineers, by sex: 2003

(Percent distribution)

Demographic characteristic	Both sexes	Female	Male
Employed scientists and engineers (number)	18,019,400	7,582,000	10,437,200
Age in 2003 (years)	100.0	100.0	100.0
29 and younger	11.3	14.6	8.9
30-39	27.6	28.4	26.9
40-49	29.6	30.1	29.2
50 and older	31.6	26.9	35.0
Race/ethnicity			
White	77.4	75.1	79.1
Asian	9.6	9.3	9.7
Black	5.8	7.7	4.3
Hispanic	5.2	5.6	4.9
American Indian/Alaska Native	0.4	0.5	0.4
Other race/ethnicity ^a	1.6	1.8	1.5
Disability status			
No disability	94.5	94.9	94.1
With disability	5.5	5.1	5.9
Marital status			
Married	75.2	68.8	79.9
Widowed	1.0	1.6	0.6
Separated	1.0	1.2	0.9
Divorced	6.9	9.6	5.0
Never married	15.8	18.8	13.5
If married, spouse's employment status			
Employed	56.2	60.9	52.8
Full time	46.3	57.0	38.5
Part time	9.9	3.8	14.3
Not employed	19.0	7.9	27.1
If spouse is employed, field in which spouse's job required bachelor's in ^b			
Engineering, computer sciences, or natural sciences	12.4	18.1	8.3
Social sciences	6.4	5.7	6.8
Other	22.7	21.0	24.0
Children living in household			
No	48.4	50.4	46.9
Yes	51.6	49.6	53.1
Citizenship			
U.S. citizen	94.2	95.3	93.4
Native	84.3	85.6	83.4
Naturalized	9.9	9.7	10.0
Non-U.S. citizen	5.8	4.7	6.6
Permanent resident	4.1	3.6	4.4
Temporary resident	1.7	1.1	2.2

^a Includes Native Hawaiian/other Pacific Islander and multiple race.^b Percents represent the proportion responding "yes" to each category. Respondents could answer "yes" to more than one category.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-37. Demographic characteristics of employed S&E doctorate holders, by race/ethnicity and sex: 2003

Demographic characteristic	All races/ethnicities			White			Asian			Black			Hispanic			American Indian/ Alaska Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Employed scientists and engineers (number)	883,700	256,900	626,900	660,900	192,700	468,200	151,200	35,100	116,100	34,500	14,800	19,700	29,300	10,900	18,400	4,400	1,400	3,000
Age in 2003 (years)																		
29 and younger	16,000	8,200	7,800	10,100	4,800	5,400	2,800	1,000	1,800	2,200	2,200	S	800	100	600	S	S	S
30–39	194,000	67,500	126,400	124,800	45,500	79,400	51,700	14,000	37,700	7,400	3,800	3,600	8,800	3,500	5,200	800	500	300
40–49	258,500	79,200	179,300	180,900	58,100	122,800	56,900	13,900	43,000	9,600	3,000	6,600	8,800	3,100	5,700	1,200	400	800
50 and older	415,200	101,900	313,300	345,100	84,400	260,700	39,800	6,200	33,600	15,300	5,800	9,500	10,900	4,100	6,800	2,400	600	1,800
Disability status																		
No disability	824,600	241,100	583,500	613,300	180,900	432,400	144,000	32,700	111,300	32,600	14,100	18,500	27,600	10,300	17,300	3,800	1,200	2,600
With disability	59,200	15,800	43,400	47,600	11,900	35,800	7,200	2,400	4,800	1,900	700	1,200	1,700	600	1,100	600	200	500
Marital status																		
Married	716,900	183,600	533,200	536,900	138,400	398,500	127,800	26,700	101,200	23,300	7,900	15,400	22,400	7,600	14,800	3,500	1,200	2,300
Widowed	10,000	5,900	4,200	7,700	4,500	3,300	1,100	500	600	500	400	S	700	S	200	S	S	S
Separated	8,700	3,400	5,300	6,400	2,100	4,300	1,100	400	600	500	300	200	700	600	100	S	S	S
Divorced	55,600	23,900	31,600	44,100	19,400	24,700	5,100	1,500	3,600	4,200	2,200	2,000	1,500	700	800	500	100	400
Never married	92,500	40,000	52,500	65,800	28,400	37,400	16,000	6,000	10,100	6,000	4,000	2,000	4,000	1,500	2,500	300	100	200
If married, spouse's employment status																		
Employed	509,500	160,100	349,400	383,800	120,100	263,800	87,900	24,400	63,500	17,100	6,800	10,300	15,700	6,300	9,300	2,600	1,000	1,700
Full time	393,700	147,000	246,700	287,600	109,000	178,600	73,800	23,100	50,700	15,000	6,500	8,500	13,000	6,100	6,900	2,200	900	1,300
Part time	115,800	13,100	102,700	96,300	11,100	85,200	14,100	1,300	12,900	2,100	300	1,800	2,700	300	2,400	500	100	300
Not employed	207,400	23,600	183,800	153,000	18,400	134,700	39,900	2,300	37,600	6,200	1,100	5,100	6,800	1,300	5,500	800	200	700
If spouse is employed, field in which spouse's job required bachelor's in ^a																		
Engineering, computer sciences, or natural sciences	183,000	77,800	105,200	120,000	53,000	67,000	51,700	17,700	33,900	5,100	3,400	1,700	4,900	3,000	1,900	800	400	400
Social sciences	106,600	31,400	75,200	85,400	25,900	59,500	12,800	2,900	9,900	3,600	700	2,900	3,900	1,500	2,400	600	200	400
Other	253,200	64,000	189,200	200,200	49,500	150,700	32,000	7,500	24,500	10,000	2,900	7,100	8,100	2,900	5,200	1,500	400	1,100
Children living in household																		
No	456,900	140,900	316,000	362,100	110,000	252,000	59,100	15,400	43,700	17,100	7,900	9,300	14,200	5,800	8,400	2,500	800	1,800
Yes	426,800	115,900	310,900	298,900	82,700	216,200	92,000	19,700	72,300	17,400	6,900	10,400	15,100	5,100	10,000	1,900	600	1,300
Citizenship																		
U.S. citizen	746,200	224,300	521,900	606,200	180,600	425,600	84,200	20,700	63,500	27,300	12,000	15,300	21,300	7,800	13,500	4,400	1,400	3,000
Native	603,000	189,500	413,500	550,500	165,900	384,600	10,300	4,000	6,400	21,100	10,600	10,400	14,500	5,900	8,600	4,400	1,400	3,000
Naturalized	143,200	34,900	108,400	55,600	14,600	41,000	73,900	16,700	57,200	6,200	1,300	4,900	6,800	1,900	4,900	S	S	S

TABLE H-37. Demographic characteristics of employed S&E doctorate holders, by race/ethnicity and sex: 2003

Demographic characteristic	All races/ethnicities			White			Asian			Black			Hispanic			American Indian/ Alaska Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Non-U.S. citizen	137,500	32,500	105,000	54,800	12,200	42,600	66,900	14,400	52,500	7,200	2,800	4,400	8,000	3,100	4,800	S	S
Permanent resident	92,000	22,800	69,200	38,500	8,300	30,300	41,500	9,600	31,900	6,200	2,600	3,600	5,400	2,300	3,000	S	S	S
Temporary resident	45,400	9,600	35,700	16,200	3,900	12,300	25,400	4,700	20,600	1,100	200	800	2,600	800	1,800	S	S	S

^a Percents represent the proportion responding "yes" to each category. Respondents could answer "yes" to more than one category.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

TABLE H-38. Demographic characteristics of employed scientists and engineers, by disability status and sex: 2003

(Percent distribution)

Demographic characteristic	Total			No disability			With disability		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Employed scientists and engineers (number)	18,019,400	7,582,200	10,437,200	17,022,100	7,195,800	9,826,200	997,300	386,400	610,900
Age in 2003 (years)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29 and younger	11.3	14.6	8.9	11.7	15.0	9.3	5.0	7.5	3.4
30-39	27.6	28.4	26.9	28.4	29.2	27.8	12.9	13.8	12.3
40-49	29.6	30.1	29.2	29.7	29.8	29.5	27.7	34.5	23.4
50 and older	31.6	26.9	35.0	30.2	26.0	33.4	54.4	44.3	60.9
Disability status									
No disability	94.5	94.9	94.1	100.0	100.0	100.0	S	S	S
With disability	5.5	5.1	5.9	S	S	S	100.0	100.0	100.0
Race/ethnicity									
White	77.4	75.1	79.1	77.5	75.4	79.0	76.2	69.1	80.8
Asian	9.6	9.3	9.7	9.6	9.3	9.9	8.0	8.9	7.5
Black	5.8	7.7	4.3	5.7	7.6	4.4	5.8	9.5	3.5
Hispanic	5.2	5.6	4.9	5.2	5.6	4.9	5.7	7.0	4.9
American Indian/Alaska Native	0.4	0.5	0.4	0.4	0.4	0.3	1.2	1.6	1.0
Other race/ethnicity ^a	1.6	1.8	1.5	1.6	1.6	1.5	3.0	4.0	2.4
Marital status									
Married	75.2	68.8	79.9	75.3	69.1	79.9	73.9	62.3	81.1
Widowed	1.0	1.6	0.6	1.0	1.6	0.6	1.5	2.9	0.6
Separated	1.0	1.2	0.9	1.0	1.2	0.9	1.0	1.2	0.9
Divorced	6.9	9.6	5.0	6.8	9.3	4.9	10.1	14.9	7.1
Never married	15.8	18.8	13.5	15.9	18.8	13.7	13.5	18.7	10.3
If married, spouse's employment status									
Employed	56.2	60.9	52.8	56.3	61.3	52.6	54.4	52.2	55.8
Full time	46.3	57.0	38.5	46.5	57.5	38.4	43.9	48.4	41.0
Part time	9.9	3.8	14.3	9.8	3.8	14.2	10.5	3.8	14.8
Not employed	19.0	7.9	27.1	19.0	7.8	27.3	19.5	10.2	25.4
If spouse is employed, field in which spouse's job required bachelor's in ^b									
Engineering, computer sciences, or natural sciences	12.4	18.1	8.3	12.5	18.2	8.4	10.5	16.6	6.7
Social sciences	6.4	5.7	6.8	6.3	5.7	6.8	6.6	5.7	7.1
Other	22.7	21.0	24.0	22.7	21.0	23.9	23.7	20.5	25.7
Children living in household									
No	48.4	50.4	46.9	48.0	50.1	46.5	54.4	57.2	52.6
Yes	51.6	49.6	53.1	52.0	49.9	53.5	45.6	42.8	47.4
Citizenship									
U.S. citizen	94.2	95.3	93.4	94.1	95.3	93.2	96.3	96.7	96.1
Native	84.3	85.6	83.4	84.2	85.6	83.2	86.8	85.9	87.3
Naturalized	9.9	9.7	10.0	9.9	9.7	10.1	9.6	10.9	8.7

TABLE H-38. Demographic characteristics of employed scientists and engineers, by disability status and sex: 2003

(Percent distribution)

Demographic characteristic	Total			No disability			With disability		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
Non-U.S. citizen	5.8	4.7	6.6	5.9	4.7	6.8	3.7	3.3	3.9
Permanent resident	4.1	3.6	4.4	4.1	3.6	4.5	2.7	2.8	2.7
Temporary resident	1.7	1.1	2.2	1.8	1.1	2.2	1.0	0.5	1.3

S = suppressed because percent based on fewer than 50 weighted cases.

^a Includes Native Hawaiian/other Pacific Islander and multiple race.

^b Percents represent the proportion responding "yes" to each category. Respondents could answer "yes" to more than one category.

NOTES: Numbers rounded to nearest 100. Detail may not add to total because of rounding. For disability status, those who reported any difficulty (from moderate to unable to do) in any category of seeing (with glasses/contact lenses), hearing (with hearing aid), walking, or lifting are classified as "with disability."

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).