

TABLE B-1. Undergraduate enrollment at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1994–2000

Race/ethnicity, citizenship, sex, and status	1994	1995	1996	1997	1998	2000
All enrolled	12,417,701	12,399,826	12,424,570	12,458,456	12,750,061	13,435,923
White	8,916,770	8,806,202	8,731,457	8,684,498	8,691,039	8,659,934
Asian/Pacific Islander	683,508	700,828	721,773	745,299	833,842	791,431
Black	1,319,684	1,336,052	1,354,910	1,382,028	1,463,163	1,505,216
Hispanic	1,109,931	1,167,472	1,218,711	1,253,807	1,341,568	1,418,154
American Indian/Alaskan Native	117,434	120,728	122,943	127,191	181,529	128,716
Other or unknown race/ethnicity	0	0	0	0	0	649,391
Temporary resident	270,374	268,544	274,776	265,633	238,920	283,081
Female	6,933,359	6,932,456	6,948,950	6,990,620	7,191,871	7,418,668
White	4,953,370	4,887,860	4,840,551	4,825,977	4,841,635	4,707,602
Asian/Pacific Islander	347,548	358,744	371,033	385,372	439,484	414,678
Black	816,172	828,672	841,234	860,908	917,878	928,866
Hispanic	624,149	662,310	694,994	718,065	773,438	808,648
American Indian/Alaskan Native	68,784	70,505	71,935	74,540	107,691	75,652
Other or unknown race/ethnicity	0	0	0	0	0	347,413
Temporary resident	123,336	124,365	129,203	125,758	111,745	135,809
Male	5,484,342	5,467,370	5,475,620	5,467,836	5,558,190	6,017,255
White	3,963,400	3,918,342	3,890,906	3,858,521	3,849,404	3,952,332
Asian/Pacific Islander	335,960	342,084	350,740	359,927	394,358	376,753
Black	503,512	507,380	513,676	521,120	545,285	576,350
Hispanic	485,782	505,162	523,717	535,742	568,130	609,506
American Indian/Alaskan Native	48,650	50,223	51,008	52,651	73,838	53,064
Other or unknown race/ethnicity	0	0	0	0	0	301,978
Temporary resident	147,038	144,179	145,573	139,875	127,175	147,272
Full time	7,287,543	7,275,785	7,340,530	7,433,839	7,563,837	7,868,117
White	5,220,478	5,163,690	5,173,725	5,215,055	5,288,147	5,218,794
Asian/Pacific Islander	416,347	428,108	439,215	452,629	478,700	467,236
Black	777,098	778,659	795,368	812,110	832,645	840,272
Hispanic	604,721	636,116	657,342	673,976	697,636	722,012
American Indian/Alaskan Native	65,909	67,369	69,178	72,563	74,120	70,723
Other or unknown race/ethnicity	0	0	0	0	0	324,727
Temporary resident	202,990	201,843	205,702	207,506	192,589	224,353
Female	3,899,481	3,928,344	3,986,969	4,054,682	4,136,520	4,323,326
White	2,756,539	2,748,730	2,767,814	2,802,244	2,846,852	2,824,564
Asian/Pacific Islander	207,695	215,553	222,620	231,388	247,221	244,411
Black	468,089	472,825	485,722	495,764	509,099	514,856
Hispanic	341,016	362,999	378,227	389,448	403,127	421,963
American Indian/Alaskan Native	37,291	38,291	39,615	41,460	42,735	41,289
Other or unknown race/ethnicity	0	0	0	0	0	171,822
Temporary resident	88,851	89,946	92,971	94,378	87,486	104,421
Male	3,388,062	3,347,441	3,353,561	3,379,157	3,427,317	3,544,791
White	2,463,939	2,414,960	2,405,911	2,412,811	2,441,295	2,394,230
Asian/Pacific Islander	208,652	212,555	216,595	221,241	231,479	222,825
Black	309,009	305,834	309,646	316,346	323,546	325,416
Hispanic	263,705	273,117	279,115	284,528	294,509	300,049
American Indian/Alaskan Native	28,618	29,078	29,563	31,103	31,385	29,434
Other or unknown race/ethnicity	0	0	0	0	0	152,905
Temporary resident	114,139	111,897	112,731	113,128	105,103	119,932

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Until 1998, data on "other or unknown race/ethnicity" were distributed across the other race/ethnicity categories, excluding temporary resident. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1994–2000.

TABLE B-2. Enrollment of first-time, first-year undergraduate students at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1994–2000

Race/ethnicity, citizenship, sex, and status	1994	1995	1996	1997	1998	2000
All enrolled	2,163,778	2,207,545	2,230,357	2,182,788	2,194,148	2,376,968
White	1,519,331	1,541,430	1,548,087	1,535,230	1,532,914	1,565,273
Asian/Pacific Islander	122,070	122,882	123,997	119,048	123,022	125,198
Black	252,881	252,464	260,483	257,224	264,909	280,122
Hispanic	205,597	226,463	231,806	208,962	216,521	235,138
American Indian/Alaskan Native	22,817	23,198	23,896	22,546	22,208	22,394
Other or unknown race/ethnicity	0	0	0	0	0	106,116
Temporary resident	41,082	41,108	42,088	39,778	34,574	42,727
Female	1,166,415	1,190,773	1,201,597	1,176,020	1,184,620	1,275,694
White	813,494	824,497	825,270	818,916	816,606	829,549
Asian/Pacific Islander	61,716	62,262	62,981	60,661	63,448	64,422
Black	147,018	146,559	151,885	149,418	155,749	163,443
Hispanic	112,734	125,488	128,582	115,998	120,567	131,604
American Indian/Alaskan Native	12,579	12,809	13,200	12,498	12,361	12,683
Other or unknown race/ethnicity	0	0	0	0	0	54,397
Temporary resident	18,874	19,158	19,679	18,529	15,889	19,596
Male	997,363	1,016,772	1,028,760	1,006,768	1,009,528	1,101,274
White	705,837	716,933	722,817	716,314	716,308	735,724
Asian/Pacific Islander	60,354	60,620	61,016	58,387	59,574	60,776
Black	105,863	105,905	108,598	107,806	109,160	116,679
Hispanic	92,863	100,975	103,224	92,964	95,954	103,534
American Indian/Alaskan Native	10,238	10,389	10,696	10,048	9,847	9,711
Other or unknown race/ethnicity	0	0	0	0	0	51,719
Temporary resident	22,208	21,950	22,409	21,249	18,685	23,131
Full time	1,630,719	1,682,207	1,708,213	1,714,251	1,759,875	1,850,185
White	1,163,754	1,194,415	1,208,127	1,218,565	1,248,333	1,245,642
Asian/Pacific Islander	90,095	91,361	93,351	94,526	99,288	99,737
Black	189,054	190,853	196,937	196,631	204,255	208,355
Hispanic	139,256	156,582	159,434	153,383	160,328	167,164
American Indian/Alaskan Native	15,637	15,935	16,471	16,522	16,767	16,596
Other or unknown race/ethnicity	0	0	0	0	0	75,678
Temporary resident	32,923	33,061	33,893	34,624	30,904	37,013
Female	868,377	900,718	914,989	919,858	946,154	995,634
White	612,067	631,296	638,032	645,870	661,334	661,923
Asian/Pacific Islander	45,643	46,539	47,594	48,627	51,577	51,857
Black	109,596	110,738	115,177	114,102	119,632	122,133
Hispanic	77,878	88,411	89,731	86,437	90,374	95,219
American Indian/Alaskan Native	8,514	8,686	9,088	9,012	9,290	9,281
Other or unknown race/ethnicity	0	0	0	0	0	38,516
Temporary resident	14,679	15,048	15,367	15,810	13,947	16,705
Male	762,342	781,489	793,224	794,393	813,721	854,551
White	551,687	563,119	570,095	572,695	586,999	583,719
Asian/Pacific Islander	44,452	44,822	45,757	45,899	47,711	47,880
Black	79,458	80,115	81,760	82,529	84,623	86,222
Hispanic	61,378	68,171	69,703	66,946	69,954	71,945
American Indian/Alaskan Native	7,123	7,249	7,383	7,510	7,477	7,315
Other or unknown race/ethnicity	0	0	0	0	0	37,162
Temporary resident	18,244	18,013	18,526	18,814	16,957	20,308

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Until 1998, data on "other or unknown race/ethnicity" were distributed across the other race/ethnicity categories, excluding temporary resident. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1994–2000.

TABLE B-3. Undergraduate enrollment at 2-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1994–2000

Race/ethnicity, citizenship, sex, and status	1994	1995	1996	1997	1998	2000
All enrolled	5,499,378	5,459,520	5,476,207	5,467,043	5,660,726	6,155,335
White	3,820,766	3,752,368	3,709,054	3,661,025	3,626,533	3,783,564
Asian/Pacific Islander	318,042	319,542	327,999	340,358	414,967	382,683
Black	609,499	615,301	626,426	638,096	696,898	738,669
Hispanic	595,490	619,649	655,955	680,791	748,375	808,209
American Indian/Alaskan Native	63,361	63,363	64,373	65,469	118,237	68,212
Other or unknown race/ethnicity	0	0	0	0	0	284,683
Temporary resident	92,220	89,297	92,400	81,304	55,716	89,315
Female	3,180,990	3,135,856	3,127,029	3,125,466	3,256,443	3,363,260
White	2,212,780	2,150,761	2,107,152	2,079,042	2,064,169	2,025,831
Asian/Pacific Islander	163,251	164,442	169,229	176,758	222,019	200,015
Black	385,409	387,084	392,171	399,051	440,596	448,863
Hispanic	335,020	350,076	372,396	388,636	430,151	453,694
American Indian/Alaskan Native	37,669	37,380	37,868	38,564	70,671	39,795
Other or unknown race/ethnicity	0	0	0	0	0	148,193
Temporary resident	46,861	46,113	48,213	43,415	28,837	46,869
Male	2,318,388	2,323,664	2,349,178	2,341,577	2,404,283	2,792,075
White	1,607,986	1,601,607	1,601,902	1,581,983	1,562,364	1,757,733
Asian/Pacific Islander	154,791	155,100	158,770	163,600	192,948	182,668
Black	224,090	228,217	234,255	239,045	256,302	289,806
Hispanic	260,470	269,573	283,559	292,155	318,224	354,515
American Indian/Alaskan Native	25,692	25,983	26,505	26,905	47,566	28,417
Other or unknown race/ethnicity	0	0	0	0	0	136,490
Temporary resident	45,359	43,184	44,187	37,889	26,879	42,446
Full time	2,041,011	1,993,537	2,009,906	2,027,351	2,041,036	2,140,533
White	1,382,761	1,337,624	1,334,522	1,339,137	1,341,910	1,317,544
Asian/Pacific Islander	117,904	117,434	117,865	120,433	134,202	128,731
Black	244,657	239,700	247,673	251,566	255,414	260,166
Hispanic	218,992	224,517	234,178	241,164	247,668	265,709
American Indian/Alaskan Native	26,828	26,194	26,740	27,339	27,398	26,473
Other or unknown race/ethnicity	0	0	0	0	0	84,094
Temporary resident	49,869	48,068	48,928	47,712	34,444	57,816
Female	1,120,930	1,102,327	1,112,078	1,119,383	1,120,304	1,175,434
White	746,728	726,198	723,438	723,727	720,060	706,713
Asian/Pacific Islander	57,715	57,771	58,250	60,215	67,936	66,147
Black	152,126	150,091	154,832	154,850	156,706	159,683
Hispanic	124,547	129,270	135,619	140,878	142,773	156,060
American Indian/Alaskan Native	15,500	15,240	15,573	15,757	16,001	15,674
Other or unknown race/ethnicity	0	0	0	0	0	42,137
Temporary resident	24,314	23,757	24,366	23,956	16,828	29,020
Male	920,081	891,210	897,828	907,968	920,732	965,099
White	636,033	611,426	611,084	615,410	621,850	610,831
Asian/Pacific Islander	60,189	59,663	59,615	60,218	66,266	62,584
Black	92,531	89,609	92,841	96,716	98,708	100,483
Hispanic	94,445	95,247	98,559	100,286	104,895	109,649
American Indian/Alaskan Native	11,328	10,954	11,167	11,582	11,397	10,799
Other or unknown race/ethnicity	0	0	0	0	0	41,957
Temporary resident	25,555	24,311	24,562	23,756	17,616	28,796

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Until 1998, data on "other or unknown race/ethnicity" were distributed across other race/ethnicity categories, excluding temporary resident. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1994–2000.

TABLE B-4. Undergraduate enrollment at 4-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1994–2000

Race/ethnicity, citizenship, sex, and status	1994	1995	1996	1997	1998	2000
All enrolled	6,918,323	6,940,306	6,948,363	6,991,413	7,089,335	7,280,588
White	5,096,004	5,053,834	5,022,403	5,023,473	5,064,506	4,876,370
Asian/Pacific Islander	365,466	381,286	393,774	404,941	418,875	408,748
Black	710,185	720,751	728,484	743,932	766,265	766,547
Hispanic	514,441	547,823	562,756	573,016	593,193	609,945
American Indian/Alaskan Native	54,073	57,365	58,570	61,722	63,292	60,504
Other or unknown race/ethnicity	0	0	0	0	0	364,708
Temporary resident	178,154	179,247	182,376	184,329	183,204	193,766
Female	3,752,369	3,796,600	3,821,921	3,865,154	3,935,428	4,055,408
White	2,740,590	2,737,099	2,733,399	2,746,935	2,777,466	2,681,771
Asian/Pacific Islander	184,297	194,302	201,804	208,614	217,465	214,663
Black	430,763	441,588	449,063	461,857	477,282	480,003
Hispanic	289,129	312,234	322,598	329,429	343,287	354,954
American Indian/Alaskan Native	31,115	33,125	34,067	35,976	37,020	35,857
Other or unknown race/ethnicity	0	0	0	0	0	199,220
Temporary resident	76,475	78,252	80,990	82,343	82,908	88,940
Male	3,165,954	3,143,706	3,126,442	3,126,259	3,153,907	3,225,180
White	2,355,414	2,316,735	2,289,004	2,276,538	2,287,040	2,194,599
Asian/Pacific Islander	181,169	186,984	191,970	196,327	201,410	194,085
Black	279,422	279,163	279,421	282,075	288,983	286,544
Hispanic	225,312	235,589	240,158	243,587	249,906	254,991
American Indian/Alaskan Native	22,958	24,240	24,503	25,746	26,272	24,647
Other or unknown race/ethnicity	0	0	0	0	0	165,488
Temporary resident	101,679	100,995	101,386	101,986	100,296	104,826
Full time	5,246,532	5,282,248	5,330,624	5,406,488	5,522,801	5,727,584
White	3,837,717	3,826,066	3,839,203	3,875,918	3,946,237	3,901,250
Asian/Pacific Islander	298,443	310,674	321,350	332,196	344,498	338,505
Black	532,441	538,959	547,695	560,544	577,231	580,106
Hispanic	385,729	411,599	423,164	432,812	449,968	456,303
American Indian/Alaskan Native	39,081	41,175	42,438	45,224	46,722	44,250
Other or unknown race/ethnicity	0	0	0	0	0	240,633
Temporary resident	153,121	153,775	156,774	159,794	158,145	166,537
Female	2,778,551	2,826,017	2,874,891	2,935,299	3,016,216	3,147,892
White	2,009,811	2,022,532	2,044,376	2,078,517	2,126,792	2,117,851
Asian/Pacific Islander	149,980	157,782	164,370	171,173	179,285	178,264
Black	315,963	322,734	330,890	340,914	352,393	355,173
Hispanic	216,469	233,729	242,608	248,570	260,354	265,903
American Indian/Alaskan Native	21,791	23,051	24,042	25,703	26,734	25,615
Other or unknown race/ethnicity	0	0	0	0	0	129,685
Temporary resident	64,537	66,189	68,605	70,422	70,658	75,401
Male	2,467,981	2,456,231	2,455,733	2,471,189	2,506,585	2,579,692
White	1,827,906	1,803,534	1,794,827	1,797,401	1,819,445	1,783,399
Asian/Pacific Islander	148,463	152,892	156,980	161,023	165,213	160,241
Black	216,478	216,225	216,805	219,630	224,838	224,933
Hispanic	169,260	177,870	180,556	184,242	189,614	190,400
American Indian/Alaskan Native	17,290	18,124	18,396	19,521	19,988	18,635
Other or unknown race/ethnicity	0	0	0	0	0	110,948
Temporary resident	88,584	87,586	88,169	89,372	87,487	91,136

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Until 1998, data on "other or unknown race/ethnicity" were distributed across other race/ethnicity categories, excluding temporary resident. Data are not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 1994–2001.

TABLE B-5. Undergraduate enrollment status, by sex, race/ethnicity, citizenship, institution control, and enrollment status: 2000

Sex, race/ethnicity, and citizenship	All institutions			Public			Private		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
All undergraduates	13,435,923	7,868,117	5,567,806	10,858,076	5,807,210	5,050,866	2,577,847	2,060,907	516,940
Female	7,418,668	4,323,326	3,095,342	5,964,599	3,179,920	2,784,679	1,454,069	1,143,406	310,663
Male	6,017,255	3,544,791	2,472,464	4,893,477	2,627,290	2,266,187	1,123,778	917,501	206,277
White	8,659,934	5,218,794	3,441,140	7,013,170	3,876,818	3,136,352	1,646,764	1,341,976	304,788
Female	4,707,602	2,824,564	1,883,038	3,786,014	2,086,322	1,699,692	921,588	738,242	183,346
Male	3,952,332	2,394,230	1,558,102	3,227,156	1,790,496	1,436,660	725,176	603,734	121,442
Asian/Pacific Islander	791,431	467,236	324,195	673,806	365,783	308,023	117,625	101,453	16,172
Female	414,678	244,411	170,267	351,183	189,549	161,634	63,495	54,862	8,633
Male	376,753	222,825	153,928	322,623	176,234	146,389	54,130	46,591	7,539
Black	1,505,216	840,272	664,944	1,224,235	625,433	598,802	280,981	214,839	66,142
Female	928,866	514,856	414,010	753,497	384,181	369,316	175,369	130,675	44,694
Male	576,350	325,416	250,934	470,738	241,252	229,486	105,612	84,164	21,448
Hispanic	1,418,154	722,012	696,142	1,169,016	530,373	638,643	249,138	191,639	57,499
Female	808,648	421,963	386,685	665,145	311,155	353,990	143,503	110,808	32,695
Male	609,506	300,049	309,457	503,871	219,218	284,653	105,635	80,831	24,804
American Indian/Alaskan Native	128,716	70,723	57,993	111,760	58,404	53,356	16,956	12,319	4,637
Female	75,652	41,289	34,363	65,730	34,208	31,522	9,922	7,081	2,841
Male	53,064	29,434	23,630	46,030	24,196	21,834	7,034	5,238	1,796
Other or unknown race/ethnicity	649,391	324,727	324,664	468,725	202,846	265,879	180,666	121,881	58,785
Female	347,413	171,822	175,591	247,156	105,360	141,796	100,257	66,462	33,795
Male	301,978	152,905	149,073	221,569	97,486	124,083	80,409	55,419	24,990
Temporary resident	283,081	224,353	58,728	197,364	147,553	49,811	85,717	76,800	8,917
Female	135,809	104,421	31,388	95,874	69,145	26,729	39,935	35,276	4,659
Male	147,272	119,932	27,340	101,490	78,408	23,082	45,782	41,524	4,258

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Fall Enrollment Survey, 2000.

TABLE B-8. Intentions of freshmen to major in S&E fields, by race/ethnicity and sex: 2002
(Percent)

Race/ethnicity and sex	All S&E majors	Biological/ agricultural sciences	Computer sciences	Engineering	Mathematics/ statistics	Physical sciences	Social/ behavioral sciences
White	30.5	7.0	2.0	9.2	0.8	2.1	9.4
Female	23.8	7.6	0.4	2.5	0.7	1.5	11.1
Male	37.9	6.2	3.8	17.0	0.9	2.8	7.2
Asian/Pacific Islander	42.1	11.9	3.5	15.9	0.8	1.9	8.1
Female	33.1	13.5	1.2	6.1	0.8	1.6	9.9
Male	53.0	10.2	6.1	27.5	0.9	2.2	6.1
Black	34.2	8.4	3.5	8.6	0.5	1.2	12.0
Female	31.9	10.0	1.9	3.7	0.5	1.3	14.5
Male	38.0	5.8	6.0	16.5	0.4	1.3	8.0
Chicano/Puerto Rican	34.1	8.2	1.8	8.6	0.7	1.6	13.2
Female	30.6	9.2	0.5	2.2	0.5	1.5	16.7
Male	39.4	6.8	3.8	18.1	1.0	1.8	7.9
Other Hispanic	34.7	7.8	1.8	8.9	0.7	1.6	13.9
Female	30.9	8.3	0.7	3.2	0.6	1.5	16.6
Male	40.8	6.9	3.4	17.6	0.9	2.0	10.0
American Indian/Alaskan Native	31.0	7.9	1.8	7.5	0.6	1.7	11.5
Female	27.2	8.8	0.5	2.8	0.4	1.4	13.3
Male	37.6	6.1	4.0	15.9	0.8	2.2	8.6

NOTE: Includes first-year students at all 4-year colleges.

SOURCE: Higher Education Research Institute, University of California at Los Angeles, Survey of the American Freshman, special tabulations (Los Angeles, CA, 2002).

TABLE B-10. Undergraduate enrollment in engineering programs, by sex, race/ethnicity, and citizenship: 2002

Sex and status	U.S. citizen/permanent resident							
	All undergraduates	Total	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Temporary resident
	Number							
All enrolled	421,178	398,048	286,246	49,696	26,433	33,311	2,362	23,130
Male	343,226	324,757	240,397	38,223	18,427	25,854	1,856	18,469
Female	77,952	73,291	45,849	11,473	8,006	7,457	506	4,661
Full time, first year	107,086	102,622	74,710	11,157	8,108	7,991	656	4,464
Male	88,639	85,092	63,559	8,879	5,770	6,368	516	3,547
Female	18,447	17,530	11,151	2,278	2,338	1,623	140	917
	Percent distribution							
All enrolled	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	81.5	81.6	84.0	76.9	69.7	77.6	78.6	79.8
Female	18.5	18.4	16.0	23.1	30.3	22.4	21.4	20.2
Full time, first year	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	82.8	82.9	85.1	79.6	71.2	79.7	78.7	79.5
Female	17.2	17.1	14.9	20.4	28.8	20.3	21.3	20.5

NOTE: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: Engineering Workforce Commission, *Engineering & Technology Enrollments: Fall 2002* (Washington, DC, 2003).

TABLE C-3. S&E associate's degrees, by sex, citizenship, race/ethnicity, and field: 2001

Sex, citizenship, and race/ethnicity	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering	Technologies			Inter-disciplinary/ other sciences
											Engineering	Science	Other	
All degrees	82,102	36,272	2,083	1,519	23,106	692	1,317	1,538	6,017	1,791	35,413	1,233	940	6,453
Female	27,991	17,651	781	1,022	9,565	243	610	1,183	4,247	297	5,666	499	110	3,768
Male	54,111	18,621	1,302	497	13,541	449	707	355	1,770	1,494	29,747	734	830	2,685
U.S. citizen/permanent resident	80,232	35,285	2,037	1,484	22,460	650	1,280	1,513	5,861	1,695	34,742	1,213	940	6,357
Female	27,257	17,139	760	999	9,246	229	595	1,166	4,144	273	5,523	490	110	3,722
Male	52,975	18,146	1,277	485	13,214	421	685	347	1,717	1,422	29,219	723	830	2,635
White	55,470	22,768	1,824	979	14,438	358	909	1,005	3,255	1,202	24,999	871	745	4,885
Female	17,718	10,456	685	664	5,480	127	418	781	2,301	182	3,826	341	81	2,832
Male	37,752	12,312	1,139	315	8,958	231	491	224	954	1,020	21,173	530	664	2,053
Asian/Pacific Islander	4,683	2,372	9	94	1,651	106	81	53	378	130	1,725	35	5	416
Female	1,669	1,124	5	60	698	35	45	36	245	25	256	20	2	242
Male	3,014	1,248	4	34	953	71	36	17	133	105	1,469	15	3	174
Black	8,379	4,247	3	127	3,035	50	89	142	801	104	3,372	155	125	376
Female	3,520	2,465	2	82	1,605	19	48	109	600	15	712	75	16	237
Male	4,859	1,782	1	45	1,430	31	41	33	201	89	2,660	80	109	139
Hispanic	8,109	3,945	109	220	2,154	99	114	218	1,031	186	3,369	125	16	468
Female	3,005	2,164	39	146	996	34	47	164	738	32	491	42	4	272
Male	5,104	1,781	70	74	1,158	65	67	54	293	154	2,878	83	12	196
American Indian/Alaskan Native	807	485	48	32	208	12	17	34	134	16	253	9	3	41
Female	378	290	11	25	114	4	7	27	102	3	52	4	1	28
Male	429	195	37	7	94	8	10	7	32	13	201	5	2	13
Other or unknown race/ethnicity	2,784	1,468	44	32	974	25	70	61	262	57	1,024	18	46	171
Female	967	640	18	22	353	10	30	49	158	16	186	8	6	111
Male	1,817	828	26	10	621	15	40	12	104	41	838	10	40	60
Temporary resident	1,870	987	46	35	646	42	37	25	156	96	671	20	0	96
Female	734	512	21	23	319	14	15	17	103	24	143	9	0	46
Male	1,136	475	25	12	327	28	22	8	53	72	528	11	0	50

NOTES: Unlike other degree tables, S&E total here includes degrees in S&E technologies. Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Physical sciences include earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 2001.

TABLE C-13. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
All fields	646,080	643,290	651,815	661,307	673,865	716,963	721,625
S&E	178,888	175,931	181,333	187,011	190,397	200,953	202,583
Sciences	168,495	164,981	170,017	175,541	179,058	188,737	190,669
Agricultural sciences	4,996	5,637	6,504	7,267	7,743	8,464	8,491
Biological sciences	26,899	29,918	32,865	35,266	37,101	37,958	37,084
Computer sciences	6,992	7,063	6,772	6,903	7,439	10,474	11,900
Mathematics	6,677	6,491	5,992	5,889	5,659	5,604	5,497
Physical sciences	6,272	6,816	7,187	7,424	7,593	7,607	7,533
Psychology	51,019	52,963	53,863	55,243	55,400	57,114	57,467
Social sciences	65,640	56,093	56,834	57,549	58,123	61,516	62,697
Engineering	10,393	10,950	11,316	11,470	11,339	12,216	11,914
Non-S&E	467,192	467,359	470,482	474,296	483,468	516,010	519,042
U.S. citizen/permanent resident							
All fields	631,596	627,394	635,459	644,156	656,430	698,782	702,996
S&E	174,421	171,106	176,284	181,754	185,125	194,917	196,328
Sciences	164,576	160,722	165,588	170,960	174,414	183,507	185,191
Agricultural sciences	4,907	5,549	6,393	7,176	7,619	8,339	8,362
Biological sciences	26,319	29,257	32,111	34,473	36,358	37,129	36,227
Computer science	6,386	6,435	6,164	6,330	6,815	9,569	10,844
Mathematics	6,479	6,256	5,820	5,676	5,492	5,429	5,337
Physical science	6,026	6,566	6,938	7,184	7,347	7,382	7,285
Psychology	50,371	52,253	53,122	54,449	54,526	56,124	56,454
Social sciences	64,088	54,406	55,040	55,672	56,257	59,535	60,682
Engineering	9,845	10,384	10,696	10,794	10,711	11,410	11,137
Non-S&E	457,175	456,288	459,175	462,402	471,305	503,865	506,668
White							
All fields	497,913	485,630	484,996	485,218	489,011	506,958	504,580
S&E	132,371	126,169	128,224	129,706	130,189	133,128	132,664
Sciences	125,514	119,219	121,088	122,651	123,267	125,846	125,607
Agricultural sciences	4,400	4,899	5,600	6,236	6,554	7,101	7,121
Biological sciences	19,060	20,892	22,652	23,970	24,977	25,228	24,286
Computer sciences	3,794	3,756	3,568	3,599	3,795	4,971	5,448
Mathematics	5,169	4,954	4,584	4,387	4,164	4,049	3,928
Physical sciences	4,658	4,946	5,122	5,225	5,276	5,218	5,202
Psychology	39,979	40,673	40,735	40,826	40,307	40,003	39,977
Social sciences	48,454	39,099	38,827	38,408	38,194	39,276	39,645
Engineering	6,857	6,950	7,136	7,055	6,922	7,282	7,057
Non-S&E	365,542	359,461	356,772	355,512	358,822	373,830	371,916
Asian/Pacific Islander							
All fields	28,255	30,947	33,163	35,626	37,400	40,697	41,291
S&E	11,453	12,866	13,743	14,942	15,828	16,981	17,423
Sciences	10,172	11,421	12,307	13,468	14,261	15,317	15,739
Agricultural sciences	91	156	171	229	251	274	256
Biological sciences	2,967	3,578	4,087	4,533	4,688	4,460	4,280
Computer sciences	771	782	751	849	892	1,741	2,046
Mathematics	403	451	390	380	390	444	434
Physical sciences	448	563	651	739	773	724	700
Psychology	1,970	2,362	2,541	2,862	3,044	3,150	3,106
Social sciences	3,522	3,529	3,716	3,876	4,223	4,524	4,917
Engineering	1,281	1,445	1,436	1,474	1,567	1,664	1,684
Non-S&E	16,802	18,081	19,420	20,684	21,572	23,716	23,868
Black							
All fields	52,210	54,289	57,331	59,341	62,225	68,564	70,270
S&E	15,483	16,199	17,167	18,330	19,053	20,948	21,327
Sciences	14,608	15,200	16,131	17,273	18,011	19,858	20,301

TABLE C-13. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Agricultural sciences	131	138	171	196	230	267	261
Biological sciences	2,053	2,251	2,576	2,820	3,105	3,359	3,367
Computer sciences	1,237	1,264	1,204	1,179	1,294	1,670	1,989
Mathematics	535	500	493	533	504	471	451
Physical sciences	457	539	618	644	606	669	604
Psychology	4,004	4,339	4,610	5,056	5,308	5,926	6,005
Social sciences	6,191	6,169	6,459	6,845	6,964	7,496	7,624
Engineering	875	999	1,036	1,057	1,042	1,090	1,026
Non-S&E	36,727	38,090	40,164	41,011	43,172	47,616	48,943
Hispanic							
All fields	36,823	38,816	41,680	44,388	46,409	53,667	54,667
S&E	10,339	10,890	11,887	12,945	13,744	15,460	15,580
Sciences	9,691	10,134	11,053	12,016	12,798	14,472	14,618
Agricultural sciences	143	156	222	264	313	319	310
Biological sciences	1,603	1,761	1,969	2,196	2,460	2,710	2,791
Computer sciences	416	434	457	437	512	695	726
Mathematics	243	217	224	234	286	273	295
Physical sciences	318	363	384	385	440	505	497
Psychology	2,994	3,377	3,710	3,997	4,127	4,699	4,782
Social sciences	3,974	3,826	4,087	4,503	4,660	5,271	5,217
Engineering	648	756	834	929	946	988	962
Non-S&E	26,484	27,926	29,793	31,443	32,665	38,207	39,087
American Indian/Alaskan Native							
All fields	3,502	3,785	4,002	4,323	4,627	5,074	5,141
S&E	999	1,005	1,127	1,255	1,270	1,445	1,478
Sciences	960	960	1,079	1,188	1,223	1,356	1,414
Agricultural sciences	43	42	58	70	68	90	97
Biological sciences	134	157	174	184	208	223	237
Computer sciences	19	37	39	28	36	59	78
Mathematics	30	30	23	28	27	38	23
Physical sciences	31	32	30	43	41	53	49
Psychology	281	287	338	372	368	390	405
Social sciences	422	375	417	463	475	503	525
Engineering	39	45	48	67	47	89	64
Non-S&E	2,503	2,780	2,875	3,068	3,357	3,629	3,663
Other or unknown race/ethnicity							
All fields	12,893	13,927	14,287	15,260	16,758	23,822	27,047
S&E	3,776	3,977	4,136	4,576	5,041	6,955	7,856
Sciences	3,631	3,788	3,930	4,364	4,854	6,658	7,512
Agricultural sciences	99	158	171	181	203	288	317
Biological sciences	502	618	653	770	920	1,149	1,266
Computer sciences	149	162	145	238	286	433	557
Mathematics	99	104	106	114	121	154	206
Physical sciences	114	123	133	148	211	213	233
Psychology	1,143	1,215	1,188	1,336	1,372	1,956	2,179
Social sciences	1,525	1,408	1,534	1,577	1,741	2,465	2,754
Engineering	145	189	206	212	187	297	344
Non-S&E	9,117	9,950	10,151	10,684	11,717	16,867	19,191
Temporary resident							
All fields	14,484	15,896	16,356	17,151	17,435	18,181	18,629
S&E	4,467	4,825	5,049	5,257	5,272	6,036	6,255
Sciences	3,919	4,259	4,429	4,581	4,644	5,230	5,478
Agricultural sciences	89	88	111	91	124	125	129
Biological sciences	580	661	754	793	743	829	857
Computer sciences	606	628	608	573	624	905	1,056
Mathematics	198	235	172	213	167	175	160

TABLE C-13. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Physical sciences	246	250	249	240	246	225	248
Psychology	648	710	741	794	874	990	1,013
Social sciences	1,552	1,687	1,794	1,877	1,866	1,981	2,015
Engineering	548	566	620	676	628	806	777
Non-S&E	10,017	11,071	11,307	11,894	12,163	12,145	12,374

NOTES: Physical sciences include earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to the exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E graduate students	159,093	160,190	161,649	161,989	163,403	168,425	170,801	177,644
Sciences	141,043	142,177	143,395	143,269	144,415	148,538	149,989	155,417
Agricultural sciences	4,315	4,459	4,449	4,561	4,719	4,910	4,931	5,202
Biological sciences	28,137	28,851	28,771	28,617	29,079	29,673	29,918	31,096
Anatomy	493	465	467	460	413	416	436	419
Biochemistry	2,377	2,414	2,288	2,176	2,229	2,266	2,224	2,223
Biology	6,748	6,903	7,129	7,287	7,213	7,143	7,009	7,170
Biometry/epidemiology	1,586	1,673	1,774	1,781	2,159	2,242	2,192	2,358
Biophysics	218	241	244	216	209	213	229	265
Botany	1,164	1,144	1,110	1,119	1,118	1,093	1,099	1,084
Cell/molecular biology	1,762	1,848	1,894	1,959	2,052	2,273	2,402	2,446
Ecology	745	774	768	781	823	870	906	960
Entomology/parasitology	417	414	424	410	414	406	442	480
Genetics	912	882	901	959	970	1,007	968	1,041
Microbiology, immunology, and virology	2,490	2,457	2,432	2,396	2,371	2,450	2,434	2,495
Nutrition	3,518	3,775	3,680	3,460	3,413	3,431	3,396	3,436
Pathology	782	780	809	832	804	804	828	901
Pharmacology	1,352	1,311	1,291	1,229	1,325	1,343	1,515	1,606
Physiology	986	1,058	981	934	886	898	877	911
Zoology	844	831	787	722	712	686	660	685
Other	1,743	1,881	1,792	1,896	1,968	2,132	2,301	2,616
Computer sciences	8,087	8,133	8,797	9,881	10,802	12,570	14,163	15,294
Earth, atmospheric, and ocean sciences	5,319	5,434	5,447	5,416	5,568	5,725	5,751	5,892
Atmospheric	242	237	234	263	234	242	268	298
Earth	2,223	2,283	2,320	2,296	2,315	2,400	2,453	2,483
Ocean	1,115	1,107	1,070	1,055	1,162	1,222	1,267	1,255
Other	1,739	1,807	1,823	1,802	1,857	1,861	1,763	1,856
Mathematics/statistics	6,531	6,258	6,219	5,868	5,988	6,043	5,781	6,277
Mathematics/applied mathematics	5,402	5,069	4,986	4,783	4,895	4,862	4,509	4,828
Statistics	1,129	1,189	1,233	1,085	1,093	1,181	1,272	1,449
Physical sciences	9,167	9,085	9,045	8,848	8,753	8,915	9,128	9,332
Astronomy	223	223	227	208	230	225	267	265
Chemistry	6,845	6,828	6,839	6,722	6,564	6,617	6,773	6,848
Physics	1,908	1,835	1,809	1,744	1,780	1,876	1,906	2,045
Other	191	199	170	174	179	197	182	174
Psychology	38,138	37,764	37,747	37,619	37,462	37,370	37,030	37,583
Clinical	8,998	8,932	9,087	9,312	9,173	9,285	9,283	9,389
General	12,369	11,995	11,646	11,874	11,844	11,384	11,087	11,438
Nonclinical	16,771	16,837	17,014	16,433	16,445	16,701	16,660	16,756
Social sciences	41,349	42,193	42,920	42,459	42,044	43,332	43,287	44,741
Agricultural economics	748	783	710	688	680	715	789	835
Anthropology (cultural and social)	4,593	4,553	4,686	4,501	4,556	4,644	4,688	4,562
Economics	3,793	3,876	3,783	3,512	3,464	3,499	3,773	3,982
Geography	1,598	1,585	1,561	1,625	1,663	1,703	1,631	1,786
History and philosophy of science	140	139	152	162	193	212	219	244
Linguistics	2,066	2,000	2,023	2,017	1,953	1,833	1,744	1,793
Political science and public administration	15,584	15,950	15,632	15,404	14,961	15,575	15,944	16,518
Sociology	5,740	5,783	5,785	5,822	5,696	5,739	5,604	5,709
Other	7,087	7,524	8,588	8,728	8,878	9,412	8,895	9,312
Engineering	18,050	18,013	18,254	18,720	18,988	19,887	20,812	22,227
Aerospace	358	351	352	371	382	423	469	485
Agricultural	200	202	210	218	243	251	268	284
Biomedical	697	726	733	826	870	1,004	1,070	1,241
Chemical	1,529	1,567	1,651	1,720	1,727	1,733	1,881	1,829
Civil	4,211	4,232	4,300	4,164	4,102	4,157	4,286	4,479
Electrical	4,102	4,088	4,122	4,438	4,747	4,973	5,351	6,030

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Engineering science/physics	306	297	295	278	331	319	342	363
Industrial/manufacturing	2,857	2,823	2,769	2,656	2,452	2,659	2,734	2,808
Mechanical	1,823	1,677	1,636	1,779	1,762	1,788	1,853	1,939
Metallurgical/materials	1,083	1,074	1,077	1,117	1,130	1,084	1,041	1,173
Mining	50	42	54	63	55	55	46	36
Nuclear	153	145	153	143	134	144	156	157
Petroleum	59	71	60	77	55	82	87	92
Other	622	718	842	870	998	1,215	1,228	1,311
U.S. citizen/permanent resident								
S&E	133,214	134,028	134,535	133,712	133,366	135,475	134,240	137,236
Sciences	120,008	121,051	121,700	121,181	120,985	123,094	122,008	124,722
Agricultural sciences	3,475	3,599	3,607	3,747	3,896	4,084	4,108	4,258
Biological sciences	22,583	23,389	23,493	23,473	23,606	24,215	24,070	24,749
Anatomy	388	358	381	380	341	332	350	330
Biochemistry	1,623	1,670	1,615	1,581	1,596	1,604	1,507	1,467
Biology	5,850	5,973	6,187	6,312	6,192	6,166	5,994	6,063
Biometry/epidemiology	1,299	1,381	1,495	1,525	1,822	1,877	1,766	1,864
Biophysics	165	183	192	171	164	170	174	190
Botany	851	832	838	833	817	810	812	798
Cell/molecular biology	1,376	1,474	1,496	1,565	1,640	1,817	1,862	1,859
Ecology	672	713	702	719	751	796	821	876
Entomology/parasitology	311	309	326	325	334	322	357	395
Genetics	751	745	748	780	775	837	788	843
Microbiology, immunology, and virology	1,919	1,934	1,945	1,943	1,907	1,968	1,961	1,951
Nutrition	2,789	3,040	2,971	2,764	2,707	2,745	2,668	2,672
Pathology	644	640	674	707	671	678	696	765
Pharmacology	1,052	1,059	1,012	960	1,043	1,064	1,196	1,256
Physiology	765	843	797	765	702	710	687	698
Zoology	733	738	693	647	634	618	566	586
Other	1,395	1,497	1,421	1,496	1,510	1,701	1,865	2,136
Computer sciences	5,668	5,537	5,736	6,198	6,577	7,437	7,528	7,742
Earth, atmospheric, and ocean sciences	4,442	4,637	4,675	4,697	4,805	4,868	4,855	4,916
Atmospheric	157	151	151	165	146	137	166	195
Earth	1,842	1,950	2,001	2,006	2,021	2,069	2,098	2,100
Ocean	902	938	903	891	980	1,038	1,065	1,049
Other	1,541	1,598	1,620	1,635	1,658	1,624	1,526	1,572
Mathematics/statistics	4,842	4,602	4,557	4,169	4,205	3,982	3,670	3,941
Mathematics/applied mathematics	4,101	3,849	3,759	3,513	3,563	3,367	3,043	3,309
Statistics	741	753	798	656	642	615	627	632
Physical sciences	6,198	6,050	6,004	5,837	5,833	5,862	5,868	5,910
Astronomy	174	170	178	169	181	172	197	191
Chemistry	4,653	4,582	4,611	4,537	4,441	4,477	4,510	4,500
Physics	1,197	1,120	1,070	981	1,062	1,047	1,002	1,079
Other	174	178	145	150	149	166	159	140
Psychology	36,736	36,534	36,482	36,361	36,074	35,921	35,523	35,846
Clinical	8,756	8,735	8,884	9,084	8,923	9,005	8,977	9,058
General	11,946	11,608	11,258	11,495	11,458	10,949	10,591	10,835
Nonclinical	16,034	16,191	16,340	15,782	15,693	15,967	15,955	15,953
Social sciences	36,064	36,703	37,146	36,699	35,989	36,725	36,386	37,360
Agricultural economics	473	480	441	414	390	393	413	423
Anthropology (cultural and social)	4,200	4,210	4,324	4,127	4,169	4,196	4,227	4,141
Economics	2,345	2,284	2,135	1,867	1,808	1,719	1,837	1,832
Geography	1,426	1,408	1,397	1,428	1,454	1,466	1,388	1,496
History and philosophy of science	126	126	137	141	170	194	189	219
Linguistics	1,479	1,423	1,403	1,388	1,297	1,233	1,130	1,161

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Political science and public administration	14,394	14,653	14,277	14,045	13,537	13,934	14,148	14,608
Sociology	5,094	5,196	5,237	5,239	5,098	5,074	4,885	4,923
Other	6,527	6,923	7,795	8,050	8,066	8,516	8,169	8,557
Engineering	13,206	12,977	12,835	12,531	12,381	12,381	12,232	12,514
Aerospace	261	256	246	227	224	255	282	282
Agricultural	100	101	108	128	141	150	173	182
Biomedical	522	562	569	646	676	744	778	871
Chemical	1,054	1,045	1,064	1,076	1,059	1,020	1,067	998
Civil	3,310	3,265	3,317	3,115	3,046	2,955	2,923	2,943
Electrical	2,686	2,570	2,464	2,440	2,461	2,339	2,281	2,402
Engineering science/physics	222	228	216	209	220	215	195	209
Industrial/manufacturing	2,298	2,306	2,219	2,079	1,869	2,003	1,923	1,891
Mechanical	1,369	1,224	1,144	1,166	1,153	1,141	1,085	1,125
Metallurgical/materials	766	742	703	701	677	618	581	622
Mining	35	27	41	55	51	43	32	32
Nuclear	103	100	105	100	88	87	95	88
Petroleum	23	27	16	18	15	17	40	40
Other	457	524	623	571	701	794	777	829
White								
S&E	102,070	99,828	98,687	96,493	94,913	94,939	91,972	92,678
Sciences	92,844	90,954	90,067	88,222	86,747	87,075	84,298	85,117
Agricultural sciences	2,995	3,018	3,033	3,135	3,247	3,435	3,411	3,478
Biological sciences	17,910	18,118	18,037	17,526	17,536	17,838	17,771	17,890
Anatomy	281	264	281	287	268	256	277	267
Biochemistry	1,246	1,223	1,172	1,088	1,144	1,158	1,122	1,017
Biology	4,465	4,448	4,607	4,591	4,486	4,459	4,352	4,365
Biometry/epidemiology	985	1,011	1,057	1,044	1,198	1,266	1,148	1,225
Biophysics	122	137	143	126	111	117	120	138
Botany	739	727	709	693	670	684	693	658
Cell/molecular biology	1,127	1,195	1,200	1,219	1,216	1,311	1,299	1,254
Ecology	599	637	625	634	666	698	699	744
Entomology/parasitology	266	263	277	271	291	283	310	341
Genetics	644	630	632	639	633	625	591	632
Microbiology, immunology, and virology	1,515	1,485	1,481	1,395	1,382	1,387	1,390	1,353
Nutrition	2,281	2,444	2,353	2,171	2,100	2,124	2,083	2,009
Pathology	512	525	544	531	501	490	525	558
Pharmacology	783	766	736	686	734	737	864	869
Physiology	586	598	552	494	492	484	473	465
Zoology	657	657	622	585	542	545	502	526
Other	1,102	1,108	1,046	1,072	1,102	1,214	1,323	1,469
Computer sciences	3,269	3,083	3,040	3,143	3,198	3,534	3,649	3,758
Earth, atmospheric, and ocean sciences	3,920	4,045	4,053	4,039	4,065	4,134	4,198	4,213
Atmospheric	125	120	118	117	108	111	126	156
Earth	1,629	1,718	1,772	1,771	1,753	1,810	1,868	1,853
Ocean	791	818	772	765	829	885	921	897
Other	1,375	1,389	1,391	1,386	1,375	1,328	1,283	1,307
Mathematics/statistics	3,668	3,426	3,290	3,035	3,040	2,861	2,608	2,798
Mathematics/applied mathematics	3,104	2,848	2,704	2,558	2,586	2,431	2,184	2,357
Statistics	564	578	586	477	454	430	424	441
Physical sciences	4,684	4,482	4,371	4,180	4,170	4,165	4,165	4,158
Astronomy	144	142	146	137	145	146	163	154
Chemistry	3,483	3,347	3,338	3,220	3,176	3,182	3,169	3,167
Physics	906	833	771	717	759	739	743	753
Other	151	160	116	106	90	98	90	84

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Psychology	29,350	28,163	27,753	27,408	26,707	26,128	24,537	24,557
Clinical	7,054	6,896	6,941	6,924	6,617	6,577	6,320	6,144
General	9,360	8,912	8,483	8,705	8,511	8,065	7,432	7,401
Nonclinical	12,936	12,355	12,329	11,779	11,579	11,486	10,785	11,012
Social sciences	27,048	26,619	26,490	25,756	24,784	24,980	23,959	24,265
Agricultural economics	380	378	355	315	295	309	331	331
Anthropology (cultural and social)	3,542	3,482	3,569	3,364	3,359	3,310	3,266	3,148
Economics	1,809	1,713	1,575	1,351	1,227	1,150	1,225	1,195
Geography	1,216	1,198	1,192	1,230	1,239	1,242	1,165	1,255
History and philosophy of science	116	112	119	120	149	163	158	182
Linguistics	1,127	1,058	1,071	995	934	901	801	830
Political science and public administration	10,381	10,007	9,442	9,244	8,645	8,765	8,565	8,749
Sociology	3,767	3,794	3,778	3,701	3,509	3,506	3,319	3,376
Other	4,710	4,877	5,389	5,436	5,427	5,634	5,129	5,199
Engineering	9,226	8,874	8,620	8,271	8,166	7,864	7,674	7,561
Aerospace	212	210	198	183	175	198	218	210
Agricultural	79	79	86	82	103	113	118	117
Biomedical	386	410	410	472	483	520	542	550
Chemical	725	705	705	742	704	643	672	610
Civil	2,530	2,401	2,408	2,312	2,206	2,098	2,124	2,097
Electrical	1,497	1,431	1,308	1,152	1,211	1,083	964	994
Engineering science/physics	167	166	154	142	150	137	134	138
Industrial/manufacturing	1,666	1,636	1,544	1,438	1,272	1,315	1,227	1,162
Mechanical	954	818	766	762	791	749	705	723
Metallurgical/materials	577	573	547	500	506	443	426	449
Mining	30	24	30	43	37	33	29	29
Nuclear	80	76	84	71	71	66	69	64
Petroleum	19	18	10	9	9	13	15	10
Other	304	327	370	363	448	453	431	408
Asian/Pacific Islander								
S&E	9,319	9,530	9,982	10,330	10,829	11,527	10,899	11,662
Sciences	7,500	7,749	8,200	8,548	8,995	9,518	9,008	9,498
Agricultural sciences	110	129	140	138	150	167	138	146
Biological sciences	1,928	2,134	2,210	2,320	2,354	2,371	2,247	2,536
Anatomy	51	46	50	52	32	33	29	32
Biochemistry	236	277	283	260	244	235	190	211
Biology	447	435	449	471	454	438	389	424
Biometry/epidemiology	131	151	197	200	246	262	285	294
Biophysics	31	33	27	21	18	29	29	35
Botany	42	33	38	37	53	48	51	57
Cell/molecular biology	132	143	161	174	229	260	252	270
Ecology	18	15	19	26	29	27	26	29
Entomology/parasitology	20	19	16	17	17	10	15	19
Genetics	50	56	61	66	65	82	56	73
Microbiology, immunology, and virology	166	197	209	253	234	216	217	244
Nutrition	182	217	225	226	212	199	173	201
Pathology	64	67	63	86	82	86	71	96
Pharmacology	133	146	138	129	149	142	150	180
Physiology	75	118	115	121	97	106	100	133
Zoology	24	25	27	21	30	28	15	16
Other	126	156	132	160	163	170	199	222
Computer sciences	1,357	1,337	1,432	1,648	1,920	2,322	2,100	2,092
Earth, atmospheric, and ocean sciences	155	159	160	164	186	192	172	173
Atmospheric	20	19	16	20	17	8	16	14
Earth	49	48	49	48	57	66	60	55

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Ocean	33	32	32	25	26	36	35	30
Other	53	60	63	71	86	82	61	74
Mathematics/statistics	473	452	522	429	470	437	419	439
Mathematics/applied mathematics	393	355	397	321	369	328	309	345
Statistics	80	97	125	108	101	109	110	94
Physical sciences	670	621	648	594	610	636	602	591
Astronomy	14	8	15	17	15	13	14	15
Chemistry	497	483	513	478	485	495	499	475
Physics	149	123	108	86	96	117	79	94
Other	10	7	12	13	14	11	10	7
Psychology	1,148	1,182	1,292	1,399	1,468	1,507	1,543	1,626
Clinical	355	358	378	432	426	453	453	466
General	385	392	424	455	514	503	529	549
Nonclinical	408	432	490	512	528	551	561	611
Social sciences	1,659	1,735	1,796	1,856	1,837	1,886	1,787	1,895
Agricultural economics	19	27	25	22	25	18	13	15
Anthropology (cultural and social)	117	130	155	162	167	183	192	186
Economics	230	214	204	202	225	240	220	205
Geography	49	66	71	61	45	54	46	55
History and philosophy of science	5	7	8	6	9	9	9	10
Linguistics	125	120	126	150	133	114	78	106
Political science and public administration	546	624	614	653	632	634	681	700
Sociology	265	244	268	258	262	254	236	240
Other	303	303	325	342	339	380	312	378
Engineering	1,819	1,781	1,782	1,782	1,834	2,009	1,891	2,164
Aerospace	23	15	19	16	21	21	26	34
Agricultural	8	12	12	15	13	15	19	21
Biomedical	72	73	83	85	86	105	125	160
Chemical	140	121	137	151	148	176	171	173
Civil	342	365	351	290	313	316	246	282
Electrical	679	650	671	691	705	704	729	783
Engineering science/physics	33	39	32	45	44	43	19	25
Industrial/manufacturing	179	165	176	176	156	198	170	195
Mechanical	177	181	163	143	138	179	146	180
Metallurgical/materials	83	74	59	77	75	85	73	78
Mining	4	2	3	10	13	10	1	1
Nuclear	11	11	7	12	8	6	5	8
Petroleum	1	4	5	2	4	1	1	4
Other	67	69	64	69	110	150	160	220
Black								
S&E	9,564	10,075	10,819	11,012	11,329	11,743	12,615	13,291
Sciences	8,747	9,175	9,875	10,096	10,450	10,767	11,581	12,308
Agricultural sciences	121	146	139	126	164	142	148	192
Biological sciences	1,041	1,192	1,287	1,386	1,388	1,463	1,490	1,564
Anatomy	29	24	22	21	20	21	22	17
Biochemistry	56	60	65	63	76	76	81	76
Biology	329	386	459	483	481	482	502	507
Biometry/epidemiology	71	96	94	104	122	131	117	125
Biophysics	5	6	6	7	8	8	7	7
Botany	24	24	42	56	30	23	14	21
Cell/molecular biology	36	40	47	59	63	63	74	77
Ecology	6	8	7	5	8	11	11	13
Entomology/parasitology	6	8	10	8	6	8	8	6
Genetics	33	26	20	24	29	30	30	31
Microbiology, immunology, and virology	82	100	109	122	111	124	124	121
Nutrition	118	156	141	158	169	176	172	185

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Pathology	28	21	23	30	30	35	31	32
Pharmacology	63	64	67	73	85	96	91	108
Physiology	58	68	65	71	58	51	61	56
Zoology	14	15	12	9	11	11	8	5
Other	83	90	98	93	81	117	137	177
Computer sciences	486	503	560	535	591	677	678	773
Earth, atmospheric, and ocean sciences	85	99	104	98	99	101	100	102
Atmospheric	2	6	7	4	3	4	9	7
Earth	25	27	29	20	24	31	24	25
Ocean	15	16	14	15	15	14	14	15
Other	43	50	54	59	57	52	53	55
Mathematics/statistics	330	304	343	310	274	270	275	271
Mathematics/applied mathematics	302	273	306	286	254	248	241	242
Statistics	28	31	37	24	20	22	34	29
Physical sciences	359	368	436	444	432	402	423	413
Astronomy	4	5	7	5	3	3	4	4
Chemistry	298	298	343	348	332	318	340	341
Physics	51	61	78	71	83	70	67	53
Other	6	4	8	20	14	11	12	15
Psychology	2,678	2,542	2,644	2,736	2,926	2,872	3,382	3,674
Clinical	487	464	505	574	560	545	593	603
General	1,028	1,098	1,101	1,124	1,137	1,052	1,146	1,330
Nonclinical	1,163	980	1,038	1,038	1,229	1,275	1,643	1,741
Social sciences	3,647	4,021	4,362	4,461	4,576	4,840	5,085	5,319
Agricultural economics	35	33	28	36	25	35	38	35
Anthropology (cultural and social)	142	145	167	175	184	209	198	216
Economics	121	149	159	127	126	133	155	151
Geography	49	37	35	36	43	44	44	53
History and philosophy of science	3	1	3	2	4	7	6	9
Linguistics	47	38	31	30	32	36	31	32
Political science and public administration	1,832	2,076	2,187	2,254	2,339	2,530	2,634	2,788
Sociology	586	601	658	669	727	688	662	685
Other	832	941	1,094	1,132	1,096	1,158	1,317	1,350
Engineering	817	900	944	916	879	976	1,034	983
Aerospace	7	9	8	7	7	8	8	4
Agricultural	5	6	6	7	10	6	10	16
Biomedical	32	42	46	49	44	50	59	62
Chemical	79	90	97	87	80	79	78	89
Civil	136	158	161	144	133	173	177	158
Electrical	191	187	167	193	193	200	202	191
Engineering science/physics	10	9	12	8	7	7	13	10
Industrial/manufacturing	205	228	241	219	208	232	256	242
Mechanical	74	84	90	104	104	88	103	81
Metallurgical/materials	34	35	47	44	31	43	43	46
Mining	1	0	0	0	0	0	1	0
Nuclear	3	6	9	9	4	8	11	6
Petroleum	3	2	1	3	0	0	0	1
Other	37	44	59	42	58	82	73	77
Hispanic								
S&E	6,079	6,712	6,924	7,289	7,645	8,329	8,939	9,454
Sciences	5,499	6,100	6,255	6,650	6,958	7,627	8,200	8,613
Agricultural sciences	124	134	168	162	177	208	210	211
Biological sciences	881	974	1,001	1,091	1,132	1,219	1,226	1,331
Anatomy	12	15	17	7	4	11	12	8
Biochemistry	48	59	54	77	69	70	70	84
Biology	292	306	321	369	376	358	379	387

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Biometry/epidemiology	69	71	79	97	111	114	111	103
Biophysics	4	4	3	4	1	2	2	3
Botany	23	22	21	19	29	27	20	21
Cell/molecular biology	56	54	53	54	60	77	87	97
Ecology	19	20	25	20	20	26	33	40
Entomology/parasitology	12	11	15	16	8	11	13	18
Genetics	16	18	17	25	27	34	33	43
Microbiology, immunology, and virology	92	102	94	101	103	107	107	120
Nutrition	118	119	136	125	145	155	127	134
Pathology	13	15	21	25	23	28	29	36
Pharmacology	41	42	43	43	45	52	62	62
Physiology	18	36	33	32	27	40	26	26
Zoology	17	20	18	13	18	10	12	13
Other	31	60	51	64	66	97	103	136
Computer sciences	160	162	177	210	195	213	249	245
Earth, atmospheric, and ocean sciences	127	142	144	163	168	200	169	201
Atmospheric	3	2	2	3	2	3	4	7
Earth	54	53	44	59	54	70	56	78
Ocean	38	45	47	57	60	70	59	65
Other	32	42	51	44	52	57	50	51
Mathematics/statistics	128	152	159	173	178	177	150	169
Mathematics/applied mathematics	110	136	139	152	153	158	136	156
Statistics	18	16	20	21	25	19	14	13
Physical sciences	231	262	287	283	307	346	337	357
Astronomy	2	2	3	2	2	3	3	5
Chemistry	188	222	235	235	247	289	287	292
Physics	38	33	44	40	43	41	40	58
Other	3	5	5	6	15	13	7	2
Psychology	1,780	2,037	2,130	2,215	2,347	2,617	3,113	3,273
Clinical	483	618	634	680	858	922	1,080	1,155
General	564	569	623	632	635	653	706	736
Nonclinical	733	850	873	903	854	1,042	1,327	1,382
Social sciences	2,068	2,237	2,189	2,353	2,454	2,647	2,746	2,826
Agricultural economics	20	21	21	21	21	17	16	18
Anthropology (cultural and social)	175	202	194	195	195	198	219	224
Economics	99	102	100	92	98	88	78	102
Geography	46	38	30	31	34	47	41	47
History and philosophy of science	1	1	2	2	4	8	6	6
Linguistics	120	108	92	106	117	100	103	93
Political science and public administration	908	1,017	967	1,040	1,087	1,187	1,294	1,258
Sociology	294	320	322	368	359	379	373	364
Other	405	428	461	498	539	623	616	714
Engineering	580	612	669	639	687	702	739	841
Aerospace	8	11	9	8	9	10	13	17
Agricultural	3	2	2	5	5	4	11	16
Biomedical	16	12	18	17	27	36	29	32
Chemical	51	69	70	37	65	54	69	72
Civil	155	171	204	206	219	203	238	237
Electrical	125	113	121	121	120	138	99	142
Engineering science/physics	7	7	6	9	12	15	10	11
Industrial/manufacturing	103	106	118	115	117	135	140	167
Mechanical	55	55	60	62	57	52	49	66
Metallurgical/materials	39	37	31	34	30	26	24	26
Mining	0	1	2	1	0	0	1	2

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Nuclear	4	4	2	6	4	5	8	9
Petroleum	0	2	0	2	1	2	16	17
Other	14	22	26	16	21	22	32	27
American Indian/Alaskan Native								
S&E	689	763	770	795	810	811	870	879
Sciences	627	714	727	736	747	744	800	814
Agricultural sciences	17	30	26	28	25	22	22	22
Biological sciences	106	118	107	106	104	106	109	110
Anatomy	1	0	3	2	2	2	1	1
Biochemistry	7	6	4	8	4	4	3	6
Biology	33	40	36	30	27	32	36	25
Biometry/epidemiology	7	10	8	7	5	4	9	9
Biophysics	1	2	0	1	1	1	1	1
Botany	5	3	3	3	2	4	3	5
Cell/molecular biology	5	7	5	7	7	8	10	9
Ecology	5	6	3	6	3	2	3	5
Entomology/parasitology	0	1	1	0	2	1	1	1
Genetics	0	0	1	5	3	3	5	6
Microbiology, immunology, and virology	10	5	6	4	9	4	5	3
Nutrition	9	15	14	11	13	13	12	15
Pathology	1	1	4	3	3	1	1	2
Pharmacology	9	8	3	2	4	10	4	3
Physiology	6	3	3	4	5	5	2	4
Zoology	2	5	6	2	3	3	4	3
Other	5	6	7	11	11	9	9	12
Computer sciences	8	15	14	17	24	24	30	29
Earth, atmospheric, and ocean sciences	23	21	29	35	40	31	28	33
Atmospheric	2	1	1	1	0	0	0	1
Earth	15	15	14	17	18	13	10	15
Ocean	2	2	5	8	7	5	4	6
Other	4	3	9	9	15	13	14	11
Mathematics/statistics	12	27	17	14	18	18	10	16
Mathematics/applied mathematics	8	23	15	13	15	15	6	14
Statistics	4	4	2	1	3	3	4	2
Physical sciences	18	19	18	24	23	29	21	27
Astronomy	1	1	1	1	1	1	0	0
Chemistry	13	13	14	20	18	23	18	23
Physics	3	5	3	3	4	5	3	4
Other	1	0	0	0	0	0	0	0
Psychology	220	237	248	223	224	215	259	253
Clinical	61	70	79	72	84	63	72	69
General	76	84	86	74	68	70	87	80
Nonclinical	83	83	83	77	72	82	100	104
Social sciences	223	247	268	289	289	299	321	324
Agricultural economics	2	2	2	3	3	1	1	0
Anthropology (cultural and social)	55	63	62	59	70	60	59	56
Economics	6	12	7	8	5	9	13	9
Geography	7	9	5	5	5	5	7	10
History and philosophy of science	1	1	0	0	0	1	2	2
Linguistics	4	5	2	4	7	10	8	9
Political science and public administration	76	72	80	86	84	91	90	98
Sociology	36	36	43	50	45	40	48	41
Other	36	47	67	74	70	82	93	99
Engineering	62	49	43	59	63	67	70	65
Aerospace	2	2	0	0	0	0	2	2
Agricultural	0	1	0	2	2	0	2	2

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Biomedical	5	1	1	1	2	1	1	1
Chemical	6	8	8	8	8	5	11	8
Civil	17	10	10	17	12	13	10	14
Electrical	7	5	5	7	8	11	11	6
Engineering science/physics	1	1	0	1	1	1	2	2
Industrial/manufacturing	7	7	4	6	11	16	14	13
Mechanical	10	7	7	8	5	8	9	9
Metallurgical/materials	1	1	1	2	6	5	2	2
Mining	0	0	0	0	0	0	0	0
Nuclear	2	1	1	1	1	1	1	0
Petroleum	0	0	0	1	0	0	0	0
Other	4	5	6	5	7	6	5	6
Other race/ethnicity								
S&E	5,493	7,120	7,353	7,793	7,840	8,126	8,945	9,272
Sciences	4,791	6,359	6,576	6,929	7,088	7,363	8,121	8,372
Agricultural sciences	108	142	101	158	133	110	179	209
Biological sciences	717	853	851	1,044	1,092	1,218	1,227	1,318
Anatomy	14	9	8	11	15	9	9	5
Biochemistry	30	45	37	85	59	61	41	73
Biology	284	358	315	368	368	397	336	355
Biometry/epidemiology	36	42	60	73	140	100	96	108
Biophysics	2	1	13	12	25	13	15	6
Botany	18	23	25	25	33	24	31	36
Cell/molecular biology	20	35	30	52	65	98	140	152
Ecology	25	27	23	28	25	32	49	45
Entomology/parasitology	7	7	7	13	10	9	10	10
Genetics	8	15	17	21	18	63	73	58
Microbiology, immunology, and virology	54	45	46	68	68	130	118	110
Nutrition	81	89	102	73	68	78	101	128
Pathology	26	11	19	32	32	38	39	41
Pharmacology	23	33	25	27	26	27	25	34
Physiology	22	20	29	43	23	24	25	14
Zoology	19	16	8	17	30	21	25	23
Other	48	77	87	96	87	94	94	120
Computer sciences	388	437	513	645	649	667	822	845
Earth, atmospheric, and ocean sciences	132	171	185	198	247	210	188	194
Atmospheric	5	3	7	20	16	11	11	10
Earth	70	89	93	91	115	79	80	74
Ocean	23	25	33	21	43	28	32	36
Other	34	54	52	66	73	92	65	74
Mathematics/statistics	231	241	226	208	225	219	208	248
Mathematics/applied mathematics	184	214	198	183	186	187	167	195
Statistics	47	27	28	25	39	32	41	53
Physical sciences	236	298	244	312	291	284	320	364
Astronomy	9	12	6	7	15	6	13	13
Chemistry	174	219	168	236	183	170	197	202
Physics	50	65	66	64	77	75	70	117
Other	3	2	4	5	16	33	40	32
Psychology	1,560	2,373	2,415	2,380	2,402	2,582	2,689	2,463
Clinical	316	329	347	402	378	445	459	621
General	533	553	541	505	593	606	691	739
Nonclinical	711	1,491	1,527	1,473	1,431	1,531	1,539	1,103
Social sciences	1,419	1,844	2,041	1,984	2,049	2,073	2,488	2,731
Agricultural economics	17	19	10	17	21	13	14	24
Anthropology (cultural and social)	169	188	177	172	194	236	293	311

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Economics	80	94	90	87	127	99	146	170
Geography	59	60	64	65	88	74	85	76
History and philosophy of science	0	4	5	11	4	6	8	10
Linguistics	56	94	81	103	74	72	109	91
Political science and public administration	651	857	987	768	750	727	884	1,015
Sociology	146	201	168	193	196	207	247	217
Other	241	327	459	568	595	639	702	817
Engineering	702	761	777	864	752	763	824	900
Aerospace	9	9	12	13	12	18	15	15
Agricultural	5	1	2	17	8	12	13	10
Biomedical	11	24	11	22	34	32	22	66
Chemical	53	52	47	51	54	63	66	46
Civil	130	160	183	146	163	152	128	155
Electrical	187	184	192	276	224	203	276	286
Engineering science/physics	4	6	12	4	6	12	17	23
Industrial/manufacturing	138	164	136	125	105	107	116	112
Mechanical	99	79	58	87	58	65	73	66
Metallurgical/materials	32	22	18	44	29	16	13	21
Mining	0	0	6	1	1	0	0	0
Nuclear	3	2	2	1	0	1	1	1
Petroleum	0	1	0	1	1	1	8	8
Other	31	57	98	76	57	81	76	91
Temporary resident								
S&E	25,879	26,162	27,114	28,277	30,037	32,950	36,561	40,408
Sciences	21,035	21,126	21,695	22,088	23,430	25,444	27,981	30,695
Agricultural sciences	840	860	842	814	823	826	823	944
Biological sciences	5,554	5,462	5,278	5,144	5,473	5,458	5,848	6,347
Anatomy	105	107	86	80	72	84	86	89
Biochemistry	754	744	673	595	633	662	717	756
Biology	898	930	942	975	1,021	977	1,015	1,107
Biometry/epidemiology	287	292	279	256	337	365	426	494
Biophysics	53	58	52	45	45	43	55	75
Botany	313	312	272	286	301	283	287	286
Cell/molecular biology	386	374	398	394	412	456	540	587
Ecology	73	61	66	62	72	74	85	84
Entomology/parasitology	106	105	98	85	80	84	85	85
Genetics	161	137	153	179	195	170	180	198
Microbiology, immunology, and virology	571	523	487	453	464	482	473	544
Nutrition	729	735	709	696	706	686	728	764
Pathology	138	140	135	125	133	126	132	136
Pharmacology	300	252	279	269	282	279	319	350
Physiology	221	215	184	169	184	188	190	213
Zoology	111	93	94	75	78	68	94	99
Other	348	384	371	400	458	431	436	480
Computer sciences	2,419	2,596	3,061	3,683	4,225	5,133	6,635	7,552
Earth, atmospheric, and ocean sciences	877	797	772	719	763	857	896	976
Atmospheric	85	86	83	98	88	105	102	103
Earth	381	333	319	290	294	331	355	383
Ocean	213	169	167	164	182	184	202	206
Other	198	209	203	167	199	237	237	284
Mathematics/statistics	1,689	1,656	1,662	1,699	1,783	2,061	2,111	2,336
Mathematics/applied mathematics	1,301	1,220	1,227	1,270	1,332	1,495	1,466	1,519
Statistics	388	436	435	429	451	566	645	817
Physical sciences	2,969	3,035	3,041	3,011	2,920	3,053	3,260	3,422
Astronomy	49	53	49	39	49	53	70	74
Chemistry	2,192	2,246	2,228	2,185	2,123	2,140	2,263	2,348

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Physics	711	715	739	763	718	829	904	966
Other	17	21	25	24	30	31	23	34
Psychology	1,402	1,230	1,265	1,258	1,388	1,449	1,507	1,737
Clinical	242	197	203	228	250	280	306	331
General	423	387	388	379	386	435	496	603
Nonclinical	737	646	674	651	752	734	705	803
Social sciences	5,285	5,490	5,774	5,760	6,055	6,607	6,901	7,381
Agricultural economics	275	303	269	274	290	322	376	412
Anthropology (cultural and social)	393	343	362	374	387	448	461	421
Economics	1,448	1,592	1,648	1,645	1,656	1,780	1,936	2,150
Geography	172	177	164	197	209	237	243	290
History and philosophy of science	14	13	15	21	23	18	30	25
Linguistics	587	577	620	629	656	600	614	632
Political science and public administration	1,190	1,297	1,355	1,359	1,424	1,641	1,796	1,910
Sociology	646	587	548	583	598	665	719	786
Other	560	601	793	678	812	896	726	755
Engineering	4,844	5,036	5,419	6,189	6,607	7,506	8,580	9,713
Aerospace	97	95	106	144	158	168	187	203
Agricultural	100	101	102	90	102	101	95	102
Biomedical	175	164	164	180	194	260	292	370
Chemical	475	522	587	644	668	713	814	831
Civil	901	967	983	1,049	1,056	1,202	1,363	1,536
Electrical	1,416	1,518	1,658	1,998	2,286	2,634	3,070	3,628
Engineering science/physics	84	69	79	69	111	104	147	154
Industrial/manufacturing	559	517	550	577	583	656	811	917
Mechanical	454	453	492	613	609	647	768	814
Metallurgical/materials	317	332	374	416	453	466	460	551
Mining	15	15	13	8	4	12	14	4
Nuclear	50	45	48	43	46	57	61	69
Petroleum	36	44	44	59	40	65	47	52
Other	165	194	219	299	297	421	451	482

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1994–2001.

TABLE D-5. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2001

Field	All institutions			HBCUs			Black students in HBCUs		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
S&E	21,773	13,291	8,482	3,753	2,443	1,310	17.2	18.4	15.4
Sciences	18,852	12,308	6,544	3,451	2,325	1,126	18.3	18.9	17.2
Agricultural sciences	301	192	109	151	109	42	50.2	56.8	38.5
Biological sciences	2,369	1,564	805	561	395	166	23.7	25.3	20.6
Anatomy	26	17	9	1	0	1	3.8	0.0	11.1
Biochemistry	129	76	53	22	10	12	17.1	13.2	22.6
Biology	755	507	248	259	190	69	34.3	37.5	27.8
Biometry and epidemiology	171	125	46	0	0	0	0.0	0.0	0.0
Biophysics	17	7	10	0	0	0	0.0	0.0	0.0
Botany	48	21	27	21	5	16	43.8	23.8	59.3
Cell and molecular biology	137	77	60	0	0	0	0.0	0.0	0.0
Ecology	26	13	13	0	0	0	0.0	0.0	0.0
Entomology and parasitology	15	6	9	0	0	0	0.0	0.0	0.0
Genetics	54	31	23	19	13	6	35.2	41.9	26.1
Microbiology, immunology, and virology	178	121	57	36	23	13	20.2	19.0	22.8
Nutrition	231	185	46	68	61	7	29.4	33.0	15.2
Pathology	50	32	18	0	0	0	0.0	0.0	0.0
Pharmacology	166	108	58	51	33	18	30.7	30.6	31.0
Physiology	98	56	42	27	20	7	27.6	35.7	16.7
Zoology	10	5	5	0	0	0	0.0	0.0	0.0
Other	258	177	81	57	40	17	22.1	22.6	21.0
Computer sciences	1,726	773	953	202	103	99	11.7	13.3	10.4
Earth, atmospheric, and ocean sciences	227	102	125	60	25	35	26.4	24.5	28.0
Atmospheric	19	7	12	12	4	8	63.2	57.1	66.7
Earth	57	25	32	0	0	0	0.0	0.0	0.0
Ocean	31	15	16	0	0	0	0.0	0.0	0.0
Other	120	55	65	48	21	27	40.0	38.2	41.5
Mathematics and statistics	591	271	320	121	58	63	20.5	21.4	19.7
Mathematics and applied mathematics	526	242	284	121	58	63	23.0	24.0	22.2
Statistics	65	29	36	0	0	0	0.0	0.0	0.0
Physical sciences	879	413	466	170	79	91	19.3	19.1	19.5
Astronomy	12	4	8	0	0	0	0.0	0.0	0.0
Chemistry	631	341	290	106	62	44	16.8	18.2	15.2
Physics	215	53	162	64	17	47	29.8	32.1	29.0
Other	21	15	6	0	0	0	0.0	0.0	0.0
Psychology	4,621	3,674	947	981	768	213	21.2	20.9	22.5
Clinical	751	603	148	0	0	0	0.0	0.0	0.0
Nonclinical	2,146	1,741	405	469	390	79	21.9	22.4	19.5
General	1,724	1,330	394	512	378	134	29.7	28.4	34.0
Social sciences	8,138	5,319	2,819	1,205	788	417	14.8	14.8	14.8
Agricultural economics	76	35	41	24	15	9	31.6	42.9	22.0
Anthropology (cultural and social)	274	216	58	0	0	0	0.0	0.0	0.0
Economics	314	151	163	18	9	9	5.7	6.0	5.5
Geography	114	53	61	0	0	0	0.0	0.0	0.0
History and philosophy of science	16	9	7	1	1	0	6.3	11.1	0.0
Linguistics	47	32	15	0	0	0	0.0	0.0	0.0
Political science and public administration	4,255	2,788	1,467	661	431	230	15.5	15.5	15.7
Sociology	999	685	314	162	111	51	16.2	16.2	16.2
Other	2,043	1,350	693	339	221	118	16.6	16.4	17.0
Engineering	2,921	983	1,938	302	118	184	10.3	12.0	9.5
Aerospace	45	4	41	0	0	0	0.0	0.0	0.0
Agricultural	26	16	10	1	1	0	3.8	6.3	0.0
Biomedical	121	62	59	0	0	0	0.0	0.0	0.0
Chemical	167	89	78	17	11	6	10.2	12.4	7.7

TABLE D-5. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2001

Field	All institutions			HBCUs			Black students in HBCUs		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
Civil	431	158	273	60	21	39	13.9	13.3	14.3
Electrical	813	191	622	41	10	31	5.0	5.2	5.0
Engineering sciences/physics	33	10	23	0	0	0	0.0	0.0	0.0
Industrial/manufacturing	591	242	349	49	28	21	8.3	11.6	6.0
Mechanical	354	81	273	48	17	31	13.6	21.0	11.4
Metallurgical and materials	107	46	61	9	5	4	8.4	10.9	6.6
Mining	1	0	1	0	0	0	0.0	0.0	0.0
Nuclear	13	6	7	0	0	0	0.0	0.0	0.0
Petroleum	4	1	3	0	0	0	0.0	0.0	0.0
Other	215	77	138	77	25	52	35.8	32.5	37.7

HBCUs historically black colleges and universities

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2001.

TABLE D-6. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HSIs, by field and sex: 2001

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Field	All institutions			HSIs			Hispanic students in HSIs		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
S&E	22,321	12,656	9,665	7,476	4,620	2,856	33.5	36.5	29.5
Sciences	19,123	11,815	7,308	6,681	4,401	2,280	34.9	37.2	31.2
Agricultural sciences	422	211	211	179	86	93	42.4	40.8	44.1
Biological sciences	2,338	1,331	1,007	604	373	231	25.8	28.0	22.9
Anatomy	22	8	14	7	3	4	31.8	37.5	28.6
Biochemistry	171	84	87	30	15	15	17.5	17.9	17.2
Biology	700	387	313	360	212	148	51.4	54.8	47.3
Biometry and epidemiology	148	103	45	29	26	3	19.6	25.2	6.7
Biophysics	20	3	17	0	0	0	0.0	0.0	0.0
Botany	44	21	23	0	0	0	0.0	0.0	0.0
Cell and molecular biology	180	97	83	9	4	5	5.0	4.1	6.0
Ecology	58	40	18	0	0	0	0.0	0.0	0.0
Entomology and parasitology	39	18	21	0	0	0	0.0	0.0	0.0
Genetics	67	43	24	2	2	0	3.0	4.7	0.0
Microbiology, immunology, and virology	220	120	100	27	16	11	12.3	13.3	11.0
Nutrition	162	134	28	53	42	11	32.7	31.3	39.3
Pathology	67	36	31	2	2	0	3.0	5.6	0.0
Pharmacology	113	62	51	8	5	3	7.1	8.1	5.9
Physiology	60	26	34	8	6	2	13.3	23.1	5.9
Zoology	29	13	16	0	0	0	0.0	0.0	0.0
Other	238	136	102	69	40	29	29.0	29.4	28.4
Computer sciences	901	245	656	134	37	97	14.9	15.1	14.8
Earth, atmospheric, and ocean sciences	397	201	196	126	60	66	31.7	29.9	33.7
Atmospheric	15	7	8	0	0	0	0.0	0.0	0.0
Earth	155	78	77	41	24	17	26.5	30.8	22.1
Ocean	137	65	72	76	35	41	55.5	53.8	56.9
Other	90	51	39	9	1	8	10.0	2.0	20.5
Mathematics and statistics	498	169	329	157	53	104	31.5	31.4	31.6
Mathematics and applied mathematics	458	156	302	149	48	101	32.5	30.8	33.4
Statistics	40	13	27	8	5	3	20.0	38.5	11.1
Physical sciences	896	357	539	341	161	180	38.1	45.1	33.4
Astronomy	17	5	12	1	0	1	5.9	0.0	8.3
Chemistry	629	292	337	242	134	108	38.5	45.9	32.0
Physics	239	58	181	93	27	66	38.9	46.6	36.5
Other	11	2	9	5	0	5	45.5	0.0	55.6
Psychology	4,323	3,273	1,050	1,784	1,355	429	41.3	41.4	40.9
Clinical	1,488	1,155	333	808	633	175	54.3	54.8	52.6
Nonclinical	1,818	1,382	436	685	507	178	37.7	36.7	40.8
General	1,017	736	281	291	215	76	28.6	29.2	27.0
Social sciences	5,010	2,826	2,184	1,558	918	640	31.1	32.5	29.3
Agricultural economics	40	18	22	9	5	4	22.5	27.8	18.2
Anthropology (cultural and social)	383	224	159	30	21	9	7.8	9.4	5.7
Economics	306	102	204	88	38	50	28.8	37.3	24.5
Geography	106	47	59	10	2	8	9.4	4.3	13.6
History and philosophy of science	18	6	12	0	0	0	0.0	0.0	0.0
Linguistics	126	93	33	31	22	9	24.6	23.7	27.3
Political science and public administration	2,171	1,258	913	793	494	299	36.5	39.3	32.7
Sociology	605	364	241	137	81	56	22.6	22.3	23.2
Other	1,255	714	541	460	255	205	36.7	35.7	37.9
Engineering	3,198	841	2,357	795	219	576	24.9	26.0	24.4
Aerospace	70	17	53	0	0	0	0.0	0.0	0.0
Agricultural	27	16	11	0	0	0	0.0	0.0	0.0
Biomedical	101	32	69	7	2	5	6.9	6.3	7.2
Chemical	180	72	108	43	15	28	23.9	20.8	25.9

TABLE D-6. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HSIs, by field and sex: 2001

Field	All institutions			HSIs			Hispanic students in HSIs		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number						Percent		
Civil	746	237	509	227	74	153	30.4	31.2	30.1
Electrical	825	142	683	239	44	195	29.0	31.0	28.6
Engineering sciences/physics	40	11	29	0	0	0	0.0	0.0	0.0
Industrial/manufacturing	469	167	302	134	58	76	28.6	34.7	25.2
Mechanical	425	66	359	93	15	78	21.9	22.7	21.7
Metallurgical and materials	80	26	54	8	3	5	10.0	11.5	9.3
Mining	3	2	1	0	0	0	0.0	0.0	0.0
Nuclear	34	9	25	5	1	4	14.7	11.1	16.0
Petroleum	63	17	46	3	1	2	4.8	5.9	4.3
Other	135	27	108	36	6	30	26.7	22.2	27.8

HSIs Hispanic-serving institutions

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2001.

TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994 2001	
								Number	Percent
All fields	212,246	220,230	228,572	239,497	246,810	265,026	273,639	54.6	58.6
S&E	30,619	35,791	37,453	38,262	38,583	41,470	43,393	35.6	43.8
Sciences	26,198	31,159	32,701	33,567	33,420	36,130	37,765	45.7	52.1
Agricultural sciences	1,395	1,471	1,707	1,695	1,709	1,819	1,837	40.6	49.0
Biology sciences	2,742	2,858	3,341	3,518	3,354	3,510	3,755	52.6	57.9
Computer sciences	2,694	2,786	2,850	2,979	3,414	4,868	5,508	25.9	33.7
Mathematics/statistics	1,567	1,579	1,506	1,489	1,470	1,498	1,389	38.1	42.3
Physical sciences	1,658	1,734	1,886	1,820	1,934	1,728	1,865	29.1	36.6
Psychology	8,857	9,397	9,373	9,918	9,540	10,293	10,858	72.2	75.7
Social sciences	7,285	11,334	12,038	12,148	11,999	12,414	12,553	44.9	54.2
Engineering	4,421	4,632	4,752	4,695	5,163	5,340	5,628	15.4	21.2
Non-S&E	181,627	184,439	191,119	201,235	208,227	223,556	230,246	60.0	62.6
U.S. citizen/permanent resident									
All fields	195,881	202,633	210,372	220,221	226,085	242,244	248,590	57.2	61.3
S&E	25,501	30,119	31,300	31,983	31,669	33,169	34,334	39.1	48.0
Sciences	22,291	26,822	27,940	28,737	28,229	29,856	30,961	48.6	55.2
Agricultural sciences	1,131	1,239	1,447	1,448	1,466	1,601	1,611	41.5	49.1
Biological sciences	2,271	2,426	2,810	3,010	2,850	3,051	3,248	53.0	57.9
Computer sciences	1,730	1,807	1,853	1,867	2,020	2,546	2,774	26.6	32.3
Mathematics/statistics	1,210	1,205	1,147	1,142	1,100	1,011	888	40.2	43.3
Physical sciences	1,124	1,202	1,338	1,315	1,415	1,288	1,388	28.7	37.6
Psychology	8,626	9,069	9,070	9,641	9,193	9,947	10,521	72.4	75.8
Social sciences	6,199	9,874	10,275	10,314	10,185	10,412	10,531	46.0	55.6
Engineering	3,210	3,297	3,360	3,246	3,440	3,313	3,373	16.6	21.7
Non-S&E	170,380	172,514	179,072	188,238	194,416	209,075	214,256	61.4	64.2
White									
All fields	157,155	160,782	165,154	170,411	173,498	179,311	179,684	57.4	61.2
S&E	19,865	22,680	23,175	23,213	22,717	22,749	22,792	39.2	46.7
Sciences	17,628	20,440	20,985	21,108	20,496	20,712	20,751	48.6	54.1
Agricultural sciences	921	1,017	1,238	1,211	1,251	1,350	1,328	40.7	47.7
Biological sciences	1,810	1,889	2,165	2,275	2,196	2,278	2,381	52.4	57.7
Computer sciences	977	1,033	1,015	965	1,027	1,162	1,163	22.8	25.6
Mathematics/statistics	959	942	864	860	815	753	652	40.3	43.0
Physical sciences	893	923	1,038	1,001	1,085	1,007	1,067	28.4	36.6
Psychology	7,190	7,405	7,181	7,557	7,049	7,240	7,343	72.2	74.9
Social sciences	4,878	7,231	7,484	7,239	7,073	6,922	6,817	45.3	53.9
Engineering	2,237	2,240	2,190	2,105	2,221	2,037	2,041	15.5	19.5
Non-S&E	137,290	138,102	141,979	147,198	150,781	156,562	156,892	61.5	64.1
Asian/Pacific Islander									
All fields	6,768	7,521	8,404	9,327	10,298	11,307	11,802	46.5	53.8
S&E	1,861	2,115	2,428	2,575	2,678	3,045	3,033	34.3	43.1
Sciences	1,350	1,566	1,807	2,014	2,050	2,385	2,406	45.3	52.0
Agricultural sciences	47	53	61	72	40	58	63	57.3	64.9
Biological sciences	181	210	286	324	294	304	305	54.5	56.5
Computer sciences	443	460	473	530	629	860	860	36.1	41.9
Mathematics/statistics	107	104	101	116	105	94	104	45.9	50.7
Physical sciences	102	101	136	140	128	108	106	35.9	42.7
Psychology	196	213	244	279	289	365	372	72.6	74.7
Social sciences	274	425	506	553	565	596	596	49.8	60.2
Engineering	511	549	621	561	628	660	627	20.9	26.0
Non-S&E	4,907	5,406	5,976	6,752	7,620	8,262	8,769	53.7	58.8
Black									
All fields	13,929	15,318	16,590	18,504	19,509	22,996	24,658	66.5	70.3
S&E	1,473	2,319	2,520	2,887	2,828	3,294	3,855	51.7	63.0

TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994	2001
	Number							Percent	
Sciences	1,306	2,118	2,310	2,662	2,584	3,087	3,609	57.8	66.6
Agricultural sciences	32	39	39	40	59	47	51	41.0	53.1
Biological sciences	94	113	122	167	122	150	221	66.2	70.6
Computer sciences	160	159	201	182	162	255	309	43.8	47.2
Mathematics/statistics	47	82	71	79	77	52	48	43.1	42.5
Physical sciences	53	61	57	70	65	59	69	41.7	45.7
Psychology	475	598	647	814	766	1,035	1,297	74.7	81.2
Social sciences	445	1,066	1,173	1,310	1,333	1,489	1,614	55.4	64.8
Engineering	167	201	210	225	244	207	246	28.4	35.1
Non-S&E	12,456	12,999	14,070	15,617	16,681	19,702	20,803	68.9	71.9
Hispanic									
All fields	7,694	8,180	9,322	9,894	10,568	12,799	13,925	58.4	62.8
S&E	1,087	1,333	1,426	1,502	1,667	1,836	2,119	43.2	52.0
Sciences	950	1,200	1,258	1,326	1,489	1,635	1,898	52.9	58.6
Agricultural sciences	79	40	40	54	58	74	74	42.9	60.2
Biological sciences	73	92	109	104	95	146	168	52.9	54.2
Computer sciences	49	51	51	59	77	89	156	29.0	35.5
Mathematics/statistics	31	22	33	17	39	41	32	41.3	44.4
Physical sciences	34	41	47	53	62	49	57	29.8	38.8
Psychology	417	454	495	518	578	607	701	74.7	74.8
Social sciences	267	500	483	521	580	629	710	47.9	58.7
Engineering	137	133	168	176	178	201	221	19.1	26.4
Non-S&E	6,607	6,847	7,896	8,392	8,901	10,963	11,806	62.0	65.3
American Indian/Alaskan Native									
All fields	964	919	1,028	1,147	1,212	1,321	1,446	59.6	63.6
S&E	112	150	154	174	190	190	255	41.0	54.0
Sciences	100	147	149	167	182	174	238	46.9	57.8
Agricultural sciences	3	3	8	8	8	5	7	27.3	38.9
Biological sciences	5	9	8	14	12	12	14	29.4	48.3
Computer sciences	6	5	7	9	3	10	29	33.3	42.6
Mathematics/statistics	1	6	1	6	6	4	3	16.7	33.3
Physical sciences	3	8	4	5	11	5	11	18.8	55.0
Psychology	43	51	56	63	76	54	77	69.4	72.6
Social sciences	39	65	65	62	66	84	97	47.0	59.9
Engineering	12	3	5	7	8	16	17	20.0	28.3
Non-S&E	852	769	874	973	1,022	1,131	1,191	63.3	66.1
Other or unknown race/ethnicity									
All fields	9,371	9,913	9,874	10,938	11,000	14,510	17,075	51.2	55.8
S&E	1,103	1,522	1,597	1,632	1,589	2,055	2,280	32.1	45.1
Sciences	957	1,351	1,431	1,460	1,428	1,863	2,059	40.5	51.3
Agricultural sciences	49	87	61	63	50	67	88	44.1	53.3
Biological sciences	108	113	120	126	131	161	159	53.5	53.4
Computer sciences	95	99	106	122	122	170	257	21.4	30.6
Mathematics/statistics	65	49	77	64	58	67	49	30.8	36.0
Physical sciences	39	68	56	46	64	60	78	16.8	37.9
Psychology	305	348	447	410	435	646	731	71.4	78.3
Social sciences	296	587	564	629	568	692	697	40.2	48.5
Engineering	146	171	166	172	161	192	221	13.6	21.2
Non-S&E	8,268	8,391	8,277	9,306	9,411	12,455	14,795	55.6	57.9
Temporary resident									
All fields	16,365	17,597	18,200	19,276	20,725	22,782	25,049	35.2	40.9
S&E	5,118	5,672	6,153	6,279	6,914	8,301	9,059	24.5	33.0
Sciences	3,907	4,337	4,761	4,830	5,191	6,274	6,804	33.9	41.4

TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994	2001
								Number	
Agricultural sciences	264	232	260	247	243	218	226	37.3	48.0
Biological sciences	471	432	531	508	504	459	507	50.5	58.1
Computer sciences	964	979	997	1,112	1,394	2,322	2,734	24.6	35.3
Mathematics/statistics	357	374	359	347	370	487	501	32.6	40.7
Physical sciences	534	532	548	505	519	440	477	30.2	33.8
Psychology	231	328	303	277	347	346	337	64.0	72.6
Social sciences	1,086	1,460	1,763	1,834	1,814	2,002	2,022	39.6	47.8
Engineering	1,211	1,335	1,392	1,449	1,723	2,027	2,255	12.9	20.5
Non-S&E	11,247	11,925	12,047	12,997	13,811	14,481	15,990	43.9	47.4

NOTES: Physical sciences include earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	18,187	18,997	18,650	18,398	18,257	17,565	17,106	16,262
Female	6,494	6,913	6,967	6,990	7,170	7,071	7,123	6,867
Male	11,692	12,082	11,683	11,392	11,069	10,494	9,981	9,395
Unknown	1	2	0	16	18	0	2	0
White	13,882	13,889	13,997	13,827	14,001	13,717	13,431	12,708
Female	5,154	5,215	5,351	5,268	5,492	5,456	5,503	5,257
Male	8,728	8,674	8,646	8,557	8,509	8,261	7,928	7,451
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,981	3,659	3,079	2,530	2,135	1,936	1,705	1,636
Female	817	1,111	974	889	760	717	678	686
Male	2,163	2,548	2,105	1,640	1,369	1,219	1,027	950
Unknown	1	0	0	1	6	0	0	0
Black	499	550	573	615	646	714	711	696
Female	216	263	251	285	351	367	392	373
Male	283	287	322	330	295	347	319	323
Hispanic	548	573	626	659	754	721	728	669
Female	230	232	273	266	326	362	348	332
Male	318	341	353	393	428	359	379	337
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	64	67	96	79	97	114	88	74
Female	24	25	35	34	42	55	45	32
Male	40	42	61	45	55	59	43	42
Other or unknown race/ethnicity	213	259	279	688	624	363	443	479
Female	53	67	83	248	199	114	157	187
Male	160	190	196	427	413	249	285	292
Unknown	0	2	0	13	12	0	1	0
Sciences	15,134	15,655	15,261	15,066	15,211	14,677	14,537	13,827
Female	6,046	6,393	6,441	6,478	6,718	6,579	6,633	6,393
Male	9,088	9,260	8,820	8,573	8,481	8,098	7,902	7,434
Unknown	0	2	0	15	12	0	2	0
White	11,862	11,797	11,734	11,540	11,831	11,607	11,545	10,962
Female	4,849	4,894	5,003	4,936	5,185	5,104	5,170	4,940
Male	7,013	6,903	6,731	6,602	6,646	6,503	6,375	6,022
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,116	2,627	2,183	1,823	1,581	1,424	1,266	1,214
Female	698	941	840	770	663	633	569	590
Male	1,418	1,686	1,343	1,052	915	791	697	624
Unknown	0	0	0	1	3	0	0	0
Black	445	480	499	517	563	616	630	604
Female	203	248	232	262	329	343	368	348
Male	242	232	267	255	234	273	262	256
Hispanic	482	496	527	562	644	639	646	578
Female	224	221	258	243	313	339	335	310
Male	258	275	269	319	331	300	310	268
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	58	58	82	62	84	102	80	67
Female	22	25	33	31	38	53	41	30
Male	36	33	49	31	46	49	39	37
Other or unknown race/ethnicity	171	197	236	562	508	289	370	402
Female	50	64	75	236	190	107	150	175
Male	121	131	161	314	309	182	219	227
Unknown	0	2	0	12	9	0	1	0
Agricultural sciences	616	598	576	550	543	494	502	429
Female	160	135	175	155	183	161	166	164
Male	456	463	401	394	360	333	336	265

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Unknown	0	0	0	1	0	0	0	0
White	487	473	443	411	417	398	414	371
Female	120	104	136	118	140	125	136	135
Male	367	369	307	293	277	273	278	236
Asian/Pacific Islander	72	78	80	63	47	46	30	16
Female	20	16	29	18	18	18	9	9
Male	52	62	51	45	29	28	21	7
Black	22	17	24	24	19	24	18	12
Female	6	6	0	6	4	8	8	6
Male	16	11	24	18	15	16	10	6
Hispanic	25	21	13	26	35	15	26	19
Female	12	5	4	7	13	7	11	9
Male	13	16	9	19	22	8	15	10
American Indian/Alaskan Native	1	2	6	5	9	1	4	0
Female	0	0	4	0	2	0	1	0
Male	1	2	2	5	7	1	3	0
Other or unknown race/ethnicity	9	7	10	21	16	10	10	11
Female	2	4	2	6	6	3	1	5
Male	7	3	8	14	10	7	9	6
Unknown	0	0	0	1	0	0	0	0
Biological sciences	4,088	4,329	4,365	4,256	4,308	4,124	4,265	4,216
Female	1,743	1,859	1,941	1,920	1,921	1,864	1,984	1,958
Male	2,345	2,469	2,424	2,333	2,385	2,260	2,281	2,258
Unknown	0	1	0	3	2	0	0	0
White	3,105	3,115	3,171	3,158	3,246	3,128	3,306	3,240
Female	1,347	1,345	1,399	1,398	1,436	1,402	1,508	1,480
Male	1,758	1,770	1,772	1,759	1,810	1,726	1,798	1,760
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	719	920	885	721	657	609	538	552
Female	268	409	403	348	291	277	262	269
Male	451	511	482	373	365	332	276	283
Unknown	0	0	0	0	1	0	0	0
Black	78	107	98	112	111	116	118	136
Female	45	43	40	60	70	66	74	82
Male	33	64	58	52	41	50	44	54
Hispanic	131	127	131	146	168	175	173	164
Female	62	47	66	63	79	76	91	76
Male	69	80	65	83	89	99	82	88
American Indian/Alaskan Native	16	15	20	7	12	20	17	15
Female	5	5	9	3	6	10	7	7
Male	11	10	11	4	6	10	10	8
Other or unknown race/ethnicity	39	45	60	112	114	76	113	109
Female	16	10	24	48	39	33	42	44
Male	23	34	36	62	74	43	71	65
Unknown	0	1	0	2	1	0	0	0
Computer sciences	543	616	514	520	561	492	457	420
Female	94	143	91	100	123	105	86	98
Male	449	473	423	419	437	387	371	322
Unknown	0	0	0	1	1	0	0	0
White	401	450	356	361	412	356	335	319
Female	75	103	61	66	84	71	62	60
Male	326	347	295	295	328	285	273	259
Asian/Pacific Islander	116	137	111	107	90	87	76	61
Female	16	30	16	26	23	19	15	20
Male	100	107	95	81	67	68	61	41
Black	10	11	12	4	14	18	18	15

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Female	2	4	3	1	8	9	5	10
Male	8	7	9	3	6	9	13	5
Hispanic	7	6	16	16	15	14	14	8
Female	0	4	7	2	1	3	3	4
Male	7	2	9	14	14	11	11	4
American Indian/Alaskan Native	1	0	4	1	4	1	1	1
Female	1	0	2	1	0	1	0	0
Male	0	0	2	0	4	0	1	1
Other or unknown race/ethnicity	8	12	15	31	26	16	13	16
Female	0	2	2	4	7	2	1	4
Male	8	10	13	26	18	14	12	12
Unknown	0	0	0	1	1	0	0	0
Earth, atmospheric, and ocean sciences	613	594	558	607	562	525	508	464
Female	144	144	130	164	171	152	167	162
Male	469	450	428	442	391	373	341	302
Unknown	0	0	0	1	0	0	0	0
White	504	464	449	487	464	433	430	394
Female	123	108	109	129	140	126	140	139
Male	381	356	340	357	324	307	290	255
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	89	104	77	71	51	39	27	35
Female	17	28	12	19	19	11	11	10
Male	72	76	65	52	32	28	16	25
Black	6	3	4	8	8	14	7	5
Female	1	0	2	1	2	5	4	2
Male	5	3	2	7	6	9	3	3
Hispanic	8	13	19	16	16	21	18	15
Female	2	6	6	5	6	4	3	9
Male	6	7	13	11	10	17	15	6
American Indian/Alaskan Native	1	0	2	2	3	6	5	0
Female	0	0	0	1	1	3	1	0
Male	1	0	2	1	2	3	4	0
Other or unknown race/ethnicity	5	10	7	23	20	12	21	15
Female	1	2	1	9	3	3	8	2
Male	4	8	6	14	17	9	13	13
Mathematics and statistics	657	771	648	629	669	605	573	522
Female	151	183	145	177	198	192	163	153
Male	506	588	503	452	470	413	409	369
Unknown	0	0	0	0	1	0	1	0
White	479	535	478	479	526	505	463	427
Female	118	126	105	135	150	158	125	119
Male	361	409	373	344	376	347	338	308
Asian/Pacific Islander	142	207	140	97	71	57	70	48
Female	26	49	36	28	27	21	21	16
Male	116	158	104	69	44	36	49	32
Black	11	5	8	7	16	12	14	19
Female	3	1	2	2	7	6	7	7
Male	8	4	6	5	9	6	7	12
Hispanic	13	15	11	20	27	15	15	15
Female	3	4	0	6	7	5	7	5
Male	10	11	11	14	20	10	8	10
American Indian/Alaskan Native	2	2	1	1	3	1	2	2
Female	0	1	0	0	2	0	1	1
Male	2	1	1	1	1	1	1	1
Other or unknown race/ethnicity	10	7	10	25	26	15	9	11
Female	1	2	2	6	5	2	2	5

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	9	5	8	19	20	13	6	6
Unknown	0	0	0	0	1	0	1	0
Physical sciences	2,789	2,841	2,570	2,497	2,455	2,277	2,092	2,043
Female	625	708	610	587	604	553	546	526
Male	2,164	2,132	1,960	1,909	1,849	1,724	1,546	1,517
Unknown	0	1	0	1	2	0	0	0
White	2,024	1,924	1,884	1,883	1,915	1,839	1,691	1,647
Female	408	448	430	412	449	396	419	394
Male	1,616	1,476	1,454	1,471	1,466	1,443	1,272	1,253
Asian/Pacific Islander	598	749	501	400	331	253	203	202
Female	177	210	145	132	101	93	71	74
Male	421	539	356	267	228	160	132	128
Unknown	0	0	0	1	2	0	0	0
Black	46	42	60	52	56	66	62	54
Female	13	18	13	11	31	29	21	20
Male	33	24	47	41	25	37	41	34
Hispanic	90	73	67	69	54	63	78	65
Female	21	21	12	15	11	22	25	22
Male	69	52	55	54	43	41	53	43
American Indian/Alaskan Native	6	7	6	10	10	9	9	12
Female	1	2	1	0	1	3	2	2
Male	5	5	5	10	9	6	7	10
Other or unknown race/ethnicity	25	46	52	83	89	47	49	63
Female	5	9	9	17	11	10	8	14
Male	20	36	43	66	78	37	41	49
Unknown	0	1	0	0	0	0	0	0
Psychology	3,136	3,185	3,235	3,130	3,274	3,293	3,230	3,013
Female	1,967	2,057	2,186	2,108	2,211	2,229	2,177	2,035
Male	1,169	1,128	1,049	1,015	1,058	1,064	1,052	978
Unknown	0	0	0	7	5	0	1	0
White	2,729	2,723	2,745	2,525	2,645	2,702	2,603	2,438
Female	1,701	1,742	1,836	1,692	1,763	1,789	1,723	1,617
Male	1,028	981	909	833	882	913	880	821
Asian/Pacific Islander	108	121	121	126	113	132	146	120
Female	76	78	90	95	84	98	99	91
Male	32	43	31	31	29	34	47	29
Black	124	149	152	151	158	172	190	174
Female	78	110	114	110	115	135	145	124
Male	46	39	38	41	43	37	45	50
Hispanic	133	146	173	171	208	215	211	174
Female	90	97	120	107	152	158	151	128
Male	43	49	53	64	56	57	59	46
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	12	14	18	18	31	35	22	17
Female	7	8	9	12	18	23	19	12
Male	5	6	9	6	13	12	3	5
Other or unknown race/ethnicity	30	32	26	139	119	37	58	90
Female	15	22	17	92	79	26	40	63
Male	15	10	9	40	35	11	18	27
Unknown	0	0	0	7	5	0	0	0
Social sciences	2,692	2,721	2,795	2,877	2,839	2,867	2,910	2,720
Female	1,162	1,164	1,163	1,267	1,307	1,323	1,344	1,297
Male	1,530	1,557	1,632	1,609	1,531	1,544	1,566	1,423
Unknown	0	0	0	1	1	0	0	0
White	2,133	2,113	2,208	2,236	2,206	2,246	2,303	2,126
Female	957	918	927	986	1,023	1,037	1,057	996

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	1,176	1,195	1,281	1,250	1,183	1,209	1,246	1,130
Asian/Pacific Islander	272	311	268	238	221	201	176	180
Female	98	121	109	104	100	96	81	101
Male	174	190	159	134	121	105	95	79
Black	148	146	141	159	181	194	203	189
Female	55	66	58	71	92	85	104	97
Male	93	80	83	88	89	109	99	92
Hispanic	75	95	97	98	121	121	111	118
Female	34	37	43	38	44	64	44	57
Male	41	58	54	60	77	57	67	61
American Indian/Alaskan Native	19	18	25	18	12	29	20	20
Female	8	9	8	14	8	13	10	8
Male	11	9	17	4	4	16	10	12
Other or unknown race/ethnicity	45	38	56	128	98	76	97	87
Female	10	13	18	54	40	28	48	38
Male	35	25	38	73	57	48	49	49
Unknown	0	0	0	1	1	0	0	0
Engineering	3,053	3,342	3,389	3,332	3,046	2,888	2,569	2,435
Female	448	520	526	512	452	492	490	474
Male	2,604	2,822	2,863	2,819	2,588	2,396	2,079	1,961
Unknown	1	0	0	1	6	0	0	0
White	2,020	2,092	2,263	2,287	2,170	2,110	1,886	1,746
Female	305	321	348	332	307	352	333	317
Male	1,715	1,771	1,915	1,955	1,863	1,758	1,553	1,429
Asian/Pacific Islander	865	1,032	896	707	554	512	439	422
Female	119	170	134	119	97	84	109	96
Male	745	862	762	588	454	428	330	326
Unknown	1	0	0	0	3	0	0	0
Black	54	70	74	98	83	98	81	92
Female	13	15	19	23	22	24	24	25
Male	41	55	55	75	61	74	57	67
Hispanic	66	77	99	97	110	82	82	91
Female	6	11	15	23	13	23	13	22
Male	60	66	84	74	97	59	69	69
American Indian/Alaskan Native	6	9	14	17	13	12	8	7
Female	2	0	2	3	4	2	4	2
Male	4	9	12	14	9	10	4	5
Other or unknown race/ethnicity	42	62	43	126	116	74	73	77
Female	3	3	8	12	9	7	7	12
Male	39	59	35	113	104	67	66	65
Unknown	0	0	0	1	3	0	0	0

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2001
(Percent distribution)

Page 1 of 2

Sex, race/ethnicity, and field	All U.S. citizen/ permanent resident	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other or unknown race/ethnicity
	Female (number)	6,867	5,257	686	373	332	32
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sciences							
Agricultural sciences	2.4	2.6	1.3	1.6	2.7	0.0	2.7
Biological sciences	28.5	28.2	39.2	22.0	22.9	21.9	23.5
Computer sciences	1.4	1.1	2.9	2.7	1.2	0.0	2.1
Earth, atmospheric, and ocean sciences	2.4	2.6	1.5	0.5	2.7	0.0	1.1
Atmospheric	0.2	0.2	0.3	0.0	0.0	0.0	0.0
Earth	1.3	1.5	0.6	0.0	1.2	0.0	0.5
Ocean	0.4	0.5	0.1	0.5	0.3	0.0	0.5
Other	0.4	0.4	0.4	0.0	1.2	0.0	0.0
Mathematics/statistics	2.2	2.3	2.3	1.9	1.5	3.1	2.7
Physical sciences	7.7	7.5	10.8	5.4	6.6	6.3	7.5
Astronomy	0.4	0.5	0.0	0.0	0.3	0.0	0.5
Chemistry	5.9	5.6	8.9	5.1	5.1	6.3	6.4
Physics	1.3	1.3	1.9	0.3	1.2	0.0	0.5
Other	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Psychology	29.6	30.8	13.3	33.2	38.6	37.5	33.7
Social sciences	18.9	18.9	14.7	26.0	17.2	25.0	20.3
Anthropology	3.2	3.2	2.2	2.4	4.2	6.3	5.9
Area/ethnic studies	1.2	1.2	0.3	3.5	1.2	3.1	2.1
Economics	2.2	2.2	3.8	0.5	1.5	3.1	3.2
History of science	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Linguistics	1.1	1.1	0.9	1.3	0.9	0.0	2.7
Political science/public administration	4.0	4.0	3.1	7.5	2.1	6.3	3.2
Sociology	4.2	4.2	2.6	7.0	5.7	3.1	1.1
Other	2.9	3.0	1.7	3.8	1.5	3.1	2.1
Engineering	6.9	6.0	14.0	6.7	6.6	6.3	6.4
Aerospace	0.3	0.3	0.6	0.0	0.0	0.0	0.5
Chemical	1.3	1.1	2.8	2.7	1.5	0.0	0.0
Civil	1.0	1.0	1.3	0.0	0.6	0.0	2.1
Electrical	1.0	0.7	4.1	0.3	0.9	0.0	0.0
Industrial	0.4	0.3	0.9	0.8	0.6	0.0	0.0
Materials	0.8	0.7	1.3	1.1	1.5	0.0	0.5
Mechanical	0.6	0.5	1.2	0.3	0.0	0.0	1.1
Other	1.6	1.5	1.9	1.6	1.5	6.3	2.1
Male (number)	9,395	7,451	950	323	337	42	292
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sciences							
Agricultural sciences	2.8	3.2	0.7	1.9	3.0	0.0	2.1
Biological sciences	24.0	23.6	29.8	16.7	26.1	19.0	22.3
Computer sciences	3.4	3.5	4.3	1.5	1.2	2.4	4.1
Earth, atmospheric, and ocean sciences	3.2	3.4	2.6	0.9	1.8	0.0	4.5
Atmospheric	0.5	0.5	0.3	0.0	0.3	0.0	1.4
Earth	1.8	1.9	1.6	0.6	0.9	0.0	2.4
Ocean	0.5	0.5	0.3	0.3	0.0	0.0	0.7
Other	0.5	0.5	0.4	0.0	0.6	0.0	0.0
Mathematics/statistics	3.9	4.1	3.4	3.7	3.0	2.4	2.1
Physical sciences	16.1	16.8	13.5	10.5	12.8	23.8	16.8
Astronomy	1.0	1.0	0.6	0.3	1.8	2.4	1.4
Chemistry	8.7	9.1	6.7	7.1	7.7	21.4	7.5
Physics	6.3	6.5	6.1	3.1	3.3	0.0	7.9

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2001
(Percent distribution)

Sex, race/ethnicity, and field	All U.S. citizen/ permanent resident	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other or unknown race/ethnicity
	Other	0.1	0.2	0.0	0.0	0.0	0.0
Psychology	10.4	11.0	3.1	15.5	13.6	11.9	9.2
Social sciences	15.1	15.2	8.3	28.5	18.1	28.6	16.8
Anthropology	1.6	1.7	0.4	1.2	1.8	14.3	2.4
Area/ethnic studies	0.5	0.5	0.2	1.2	0.3	2.4	0.0
Economics	3.2	3.3	3.2	3.1	3.9	2.4	2.4
History of science	0.3	0.3	0.2	0.3	0.6	0.0	0.7
Linguistics	0.5	0.6	0.3	0.3	0.3	0.0	0.7
Political science/public administration	5.0	5.0	1.6	13.3	4.2	7.1	7.5
Sociology	1.9	1.7	1.3	5.6	5.6	2.4	1.4
Other	2.0	2.1	1.2	3.4	1.5	0.0	1.7
Engineering	20.9	19.2	34.3	20.7	20.5	11.9	22.3
Aerospace	0.9	0.9	0.8	0.3	1.5	0.0	1.4
Chemical	2.8	2.8	3.5	2.2	0.6	2.4	3.4
Civil	2.2	1.9	2.9	3.4	2.1	0.0	4.8
Electrical	5.3	4.5	11.1	6.5	5.6	2.4	4.5
Industrial	0.6	0.5	1.7	0.9	0.3	2.4	1.0
Materials	1.8	1.7	3.1	0.6	1.2	2.4	1.7
Mechanical	4.1	3.7	7.2	5.0	6.2	2.4	3.4
Other	3.2	3.2	4.1	1.9	3.0	0.0	2.1

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001.

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

(Thousands) Page 1 of 26

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
All occupations	123,060	124,900	126,708	129,558	131,463	133,488	136,891	136,933	136,485
Managerial and professional specialty	33,847	35,318	36,497	37,686	38,937	40,467	41,337	42,271	42,482
Executive, administrative, and managerial	16,312	17,186	17,746	18,440	19,054	19,584	19,968	20,506	20,561
Professional specialty	17,536	18,132	18,752	19,245	19,883	20,883	21,368	21,765	21,921
Engineers, architects, and surveyors	2,030	2,117	2,140	2,220	2,224	2,291	2,357	2,362	2,249
Architects	141	163	160	169	158	194	218	217	197
Engineers	1,866	1,934	1,960	2,036	2,052	2,081	2,120	2,121	2,028
Aerospace	75	78	80	87	86	79	77	86	90
Agricultural	S	S	S	S	S	S	S	S	S
Chemical	56	80	95	92	69	82	85	75	77
Civil	240	231	243	248	296	287	292	296	267
Electrical and electronic	556	611	601	652	629	639	738	740	677
Industrial	245	250	257	258	262	260	246	258	235
Marine and naval architects	S	S	S	S	S	S	S	S	S
Mechanical	341	330	350	352	335	340	345	341	301
Metallurgical and materials	S	S	S	S	S	S	S	S	S
Mining	S	S	S	S	S	S	S	S	S
Nuclear	S	S	S	S	S	S	S	S	S
Petroleum	S	S	S	S	S	S	S	S	S
Other	255	267	252	258	276	303	259	257	310
Surveyors and mapping scientists	S	S	S	S	S	S	S	S	S
Health assessment and treating	2,708	2,762	2,812	2,886	2,898	3,019	3,009	3,112	3,267
Dietitians	86	94	105	101	90	92	98	101	74
Pharmacists	182	170	184	200	180	216	214	220	231
Physicians' assistants	53	55	63	65	68	67	73	82	89
Registered nurses	1,956	1,977	1,986	2,065	2,032	2,128	2,142	2,202	2,311
Therapists	430	466	474	455	528	517	482	508	562
Occupational	50	52	64	61	71	71	55	63	78
Physical	106	130	118	110	134	144	147	156	167
Respiratory	98	94	96	85	103	90	78	89	97
Speech	92	91	97	102	105	99	102	112	117
Other	84	101	99	97	114	114	99	89	102
Health diagnosing	932	1,002	960	1,027	1,083	1,071	1,066	1,115	1,176
Dentists	148	155	137	138	155	173	171	169	180
Optometrists	S	S	S	S	S	S	S	S	S
Physicians	628	693	667	724	740	720	742	781	825
Podiatrists	S	S	S	S	S	S	S	S	S
Veterinarians	61	59	54	S	58	53	56	56	S
Other	55	51	54	69	73	74	57	63	73
Mathematical and computer scientists	1,186	1,195	1,345	1,494	1,747	1,847	2,109	2,125	2,030
Actuaries	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
Operations and systems researchers and analysts	222	217	209	201	212	241	228	233	238
Statisticians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Natural scientists	535	519	536	529	519	578	576	590	545
Agricultural and food scientists	S	S	S	S	S	S	53	S	51
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S
Biological and life scientists	120	110	116	106	104	109	116	127	119
Chemists, except biochemists	144	140	149	144	133	136	157	165	130
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S
Geologists and geodesists	57	60	S	59	63	56	S	S	S
Medical scientists	62	61	73	77	83	100	87	101	89
Physicists and astronomers	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	63	55	S	S

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Social scientists and urban planners	440	453	438	441	430	460	454	457	457
Economists	106	148	148	135	137	141	141	135	123
Psychologists	280	260	245	256	232	266	267	271	277
Sociologists	S	S	S	S	S	S	S	S	S
Urban planners	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Teachers, postsecondary (college and university)	838	846	889	869	919	978	980	1,027	1,015
Agriculture and forestry	S	S	S	S	S	S	S	S	S
Biological sciences	S	S	S	S	S	S	S	S	S
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	51	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	546	535	584	554	589	646	645	715	697
Teachers, except postsecondary (college and university)	4,330	4,507	4,724	4,798	4,962	5,277	5,393	5,498	5,652
Elementary school	1,634	1,738	1,846	1,872	1,951	2,072	2,191	2,225	2,341
Prekindergarten and kindergarten	496	498	543	574	586	600	630	656	647
Secondary school	1,197	1,232	1,228	1,173	1,225	1,342	1,333	1,318	1,289
Special education	308	311	340	384	381	369	365	362	374
Other	696	729	767	796	819	893	875	936	1,001
Other	4,537	4,730	4,908	4,981	5,099	5,364	5,425	5,480	5,530
Technical, sales, and administrative support	37,306	37,417	37,683	38,309	38,521	38,921	39,815	39,469	38,947
Administrative support, including clerical	18,620	18,389	18,353	18,361	18,410	18,448	18,917	18,710	18,184
Sales	14,817	15,119	15,404	15,734	15,850	16,118	16,470	16,201	16,254
Technicians and related support	3,869	3,909	3,926	4,214	4,261	4,355	4,427	4,558	4,509
Engineering and related technologists and technicians	916	880	919	960	970	973	1,010	1,025	980
Drafting	239	229	233	222	228	235	219	225	247
Electrical and electronic technicians	316	334	361	391	431	437	472	486	433
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	68	62	73	76	71	67	79	68	65
Other	270	234	230	243	212	215	216	219	209
Science technicians	266	276	245	287	285	293	273	295	291
Biological	89	96	79	106	108	106	109	127	131
Chemical	77	84	78	85	75	79	71	69	64
Other	100	96	87	96	102	108	93	99	96
Health technologists and technicians	1,590	1,648	1,605	1,693	1,733	1,701	1,742	1,831	1,879
Clinical lab technologists and technicians	341	374	376	388	359	338	348	363	384
Dental hygienists	97	95	94	107	112	106	112	111	133
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	397	399	395	408	381	357	378	383	382
Radiologic technicians	154	154	135	148	170	167	163	168	182
Other	569	607	588	624	694	715	724	788	777

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Geologists and geodesists	S	S	S	S	S	S	S	S	S
Medical scientists	S	S	S	S	S	S	S	S	54
Other	S	S	S	S	S	S	S	S	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	236	246	249	242	235	269	267	262	272
Economists	50	75	81	71	64	72	75	70	68
Psychologists	164	154	150	152	144	172	172	165	182
Sociologists	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Urban planners	S	S	S	S	S	S	S	S	S
Teachers, postsecondary (college and university)	356	382	387	371	389	414	426	439	433
Agriculture and forestry	S	S	S	S	S	S	S	S	S
Biological sciences	S	S	S	S	S	S	S	S	S
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	S	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	248	261	285	260	267	299	306	321	310
Teachers, except postsecondary (college and university)	3,244	3,365	3,517	3,632	3,737	3,952	4,068	4,125	4,242
Elementary school	1,398	1,461	1,538	1,571	1,639	1,736	1,827	1,836	1,942
Prekindergarten and kindergarten	486	489	533	561	573	591	620	643	632
Secondary school	665	702	686	685	697	772	773	775	749
Special education	258	262	288	318	312	311	301	310	320
Other	437	451	472	497	516	542	548	560	599
Other	2,135	2,280	2,414	2,423	2,563	2,699	2,766	2,769	2,809
Technical, sales, and administrative support	23,984	24,107	24,194	24,549	24,728	24,842	25,388	25,160	24,680
Administrative support, including clerical	14,697	14,613	14,511	14,469	14,469	14,512	14,920	14,719	14,270
Sales	7,273	7,485	7,622	7,894	7,975	8,069	8,175	8,021	7,969
Technicians and related support	2,013	2,009	2,061	2,186	2,285	2,261	2,293	2,421	2,441
Engineering and related technologists and technicians	179	157	183	178	202	185	207	215	204
Drafting	S	S	S	S	S	S	51	S	53
Electrical and electronic technicians	S	S	S	56	73	63	81	90	83
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S
Other	73	65	77	74	71	68	66	66	58
Science technicians	98	98	92	113	123	119	114	134	138
Biological	S	S	S	61	74	68	65	79	78
Chemical	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health technologists and technicians	1,298	1,314	1,293	1,357	1,414	1,380	1,402	1,489	1,531
Clinical lab technologists and technicians	263	268	275	295	282	266	260	284	294
Dental hygienists	97	94	93	105	111	105	110	108	131

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S
Biological and life scientists	76	75	71	59	64	61	64	70	66
Chemists, except biochemists	91	95	106	108	89	99	109	115	91
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S
Geologists and geodesists	S	51	S	S	55	53	S	S	S
Medical scientists	S	S	S	S	S	55	S	52	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	204	207	189	199	195	191	187	195	184
Economists	56	74	67	65	74	69	66	65	55
Psychologists	116	106	94	104	88	93	95	106	94
Sociologists	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Urban planners	S	S	S	S	S	S	S	S	S
Teachers, postsecondary (college and university)	482	464	502	498	530	563	553	588	582
Agriculture and forestry	S	S	S	S	S	S	S	S	S
Biological sciences	S	S	S	S	S	S	S	S	S
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	S	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	296	275	298	297	323	344	341	393	386
Teachers, except postsecondary (college and university)	1,087	1,142	1,207	1,166	1,225	1,325	1,325	1,373	1,411
Elementary school	236	277	309	301	312	336	365	389	399
Prekindergarten and kindergarten	S	S	S	S	S	S	S	S	S
Secondary school	531	530	542	487	528	570	560	544	540
Special education	50	S	52	66	68	58	64	51	54
Other	260	278	295	299	303	352	327	376	402
Other	2,401	2,452	2,494	2,558	2,536	2,664	2,657	2,711	2,721
Technical, sales, and administrative support	13,322	13,310	13,489	13,760	13,792	14,079	14,427	14,309	14,267
Administrative support, including clerical	3,923	3,776	3,842	3,892	3,941	3,936	3,997	3,991	3,914
Sales	7,543	7,634	7,782	7,840	7,875	8,049	8,295	8,180	8,285
Technicians and related support	1,856	1,900	1,865	2,028	1,976	2,094	2,135	2,137	2,068
Engineering and related technologists and technicians	737	723	736	781	768	787	802	810	777
Drafting	191	187	185	185	184	192	167	180	193
Electrical and electronic technicians	268	297	315	335	358	374	392	396	351
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	63	53	63	68	62	59	73	58	59
Other	198	169	153	170	141	147	150	153	150

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Science technicians	168	178	153	173	162	174	159	161	154
Biological	S	S	S	S	S	S	S	S	53
Chemical	58	66	57	65	59	56	56	51	S
Other	69	64	62	63	68	79	59	63	58
Health technologists and technicians	292	334	312	336	319	320	340	342	347
Clinical lab technologists and technicians	78	106	100	94	77	73	87	79	90
Dental hygienists	S	S	S	S	S	S	S	S	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	S	S	S	S	S	S	S	S	S
Radiologic technicians	S	S	S	S	52	S	51	50	S
Other	153	165	150	170	173	186	174	187	187
Technicians, except health, engineering, and sciences	659	665	664	737	728	813	833	823	790
Other occupations	35,544	35,688	35,974	36,676	37,034	36,921	38,111	37,762	37,600
White	105,190	106,490	107,808	109,856	110,931	112,235	114,424	114,430	114,013
Managerial and professional specialty	30,045	31,323	32,116	33,089	34,063	35,125	35,476	36,242	36,405
Executive, administrative, and managerial	14,605	15,398	15,807	16,420	16,903	17,235	17,462	17,880	17,944
Professional specialty	15,439	15,924	16,309	16,669	17,160	17,890	18,014	18,362	18,460
Engineers, architects, and surveyors	1,827	1,903	1,870	1,934	1,942	1,994	1,967	1,998	1,919
Architects	131	153	145	154	147	181	197	193	179
Engineers	1,677	1,732	1,705	1,766	1,781	1,797	1,754	1,782	1,716
Aerospace	70	72	74	79	71	67	67	78	83
Agricultural	S	S	S	S	S	S	S	S	S
Chemical	50	69	71	74	61	78	74	61	63
Civil	216	203	207	222	263	241	239	244	220
Electrical and electronic	488	537	516	540	519	523	573	598	549
Industrial	221	225	237	236	233	238	217	227	210
Marine and naval architects	S	S	S	S	S	S	S	S	S
Mechanical	311	301	307	306	298	309	302	302	268
Metallurgical and materials	S	S	S	S	S	S	S	S	S
Mining	S	S	S	S	S	S	S	S	S
Nuclear	S	S	S	S	S	S	S	S	S
Petroleum	S	S	S	S	S	S	S	S	S
Other	230	243	218	226	240	255	214	211	262
Surveyors and mapping scientists	S	S	S	S	S	S	S	S	S
Health assessment and treating	2,345	2,392	2,413	2,473	2,460	2,540	2,531	2,605	2,694
Dietitians	70	73	70	69	68	64	73	73	58
Pharmacists	163	147	154	169	155	173	175	184	180
Physicians' assistants	S	S	61	60	60	61	66	73	77
Registered nurses	1,685	1,713	1,697	1,764	1,715	1,789	1,794	1,829	1,892
Therapists	380	411	430	411	462	455	424	446	486
Occupational	S	S	60	57	64	65	52	57	70
Physical	96	121	107	99	116	124	125	138	148
Respiratory	83	76	85	74	82	68	68	75	78
Speech	86	88	95	97	100	96	97	106	109
Other	71	77	84	85	99	103	82	70	81
Health diagnosing	804	874	827	868	912	882	859	901	940
Dentists	133	143	130	125	140	160	149	141	145
Optometrists	S	S	S	S	S	S	S	S	S
Physicians	526	583	555	590	598	557	567	607	639
Podiatrists	S	S	S	S	S	S	S	S	S
Veterinarians	59	57	S	S	56	51	54	53	S
Other	50	S	53	65	68	68	54	57	69

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Mathematical and computer scientists	1,022	1,032	1,112	1,228	1,430	1,488	1,639	1,578	1,559
Actuaries	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
Operations and systems researchers and analysts	204	184	180	171	182	202	193	189	187
Statisticians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Natural scientists	471	447	455	433	441	490	476	482	451
Agricultural and food scientists	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S
Biological and life scientists	97	87	94	89	90	92	95	105	97
Chemists, except biochemists	127	123	125	115	105	106	115	128	96
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S
Geologists and geodesists	52	57	S	57	62	54	S	S	S
Medical scientists	52	S	52	S	60	70	64	71	68
Physicists and astronomers	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	58	54	S	S
Social scientists and urban planners	396	402	386	389	386	405	401	407	397
Economists	97	135	136	117	125	126	119	118	105
Psychologists	251	229	211	228	204	231	243	244	243
Sociologists	S	S	S	S	S	S	S	S	S
Urban planners	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Teachers, postsecondary (college and university)	726	730	758	737	774	845	824	849	844
Agriculture and forestry	S	S	S	S	S	S	S	S	S
Biological sciences	S	S	S	S	S	S	S	S	S
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	S	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	469	464	495	475	504	547	541	592	578
Teachers, except postsecondary (college and university)	3,842	3,985	4,170	4,205	4,340	4,617	4,686	4,803	4,900
Elementary school	1,436	1,530	1,633	1,624	1,696	1,809	1,894	1,943	2,026
Prekindergarten and kindergarten	422	412	460	490	487	503	531	538	522
Secondary school	1,081	1,120	1,113	1,054	1,094	1,210	1,172	1,189	1,166
Special education	282	276	288	335	335	329	323	320	328
Other	621	648	676	702	728	766	766	813	857
Other	4,007	4,159	4,318	4,401	4,476	4,629	4,631	4,740	4,758
Technical, sales, and administrative support	32,232	32,184	32,177	32,624	32,490	32,779	33,346	32,969	32,665
Administrative support, including clerical	15,696	15,457	15,323	15,323	15,229	15,201	15,497	15,333	14,931
Sales	13,235	13,366	13,519	13,730	13,704	13,956	14,227	13,889	14,018

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

(Thousands)

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Technicians and related support	3,301	3,361	3,334	3,571	3,557	3,622	3,621	3,747	3,716
Engineering and related technologists and technicians	800	770	789	841	820	813	833	855	830
Drafting	220	209	212	200	212	206	192	208	224
Electrical and electronic technicians	260	280	306	341	349	352	382	399	349
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	63	55	64	70	67	61	70	63	64
Other	236	206	189	205	171	178	172	162	175
Science technicians	223	240	204	243	240	244	232	250	247
Biological	73	85	68	88	96	93	95	110	114
Chemical	68	73	64	70	60	64	63	60	53
Other	83	82	72	85	84	87	73	80	80
Health technologists and technicians	1,303	1,369	1,334	1,393	1,404	1,372	1,393	1,464	1,518
Clinical lab technologists and technicians	267	297	284	287	273	243	257	269	285
Dental hygienists	96	92	93	105	106	103	109	106	127
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	310	308	329	335	304	279	283	278	293
Radiologic technicians	136	141	119	131	148	148	143	147	163
Other	469	516	495	519	559	585	588	651	632
Technicians, except health, engineering, and sciences	975	981	1,008	1,094	1,092	1,193	1,163	1,178	1,122
Other occupations	42,912	42,983	43,514	44,143	44,378	44,333	45,602	45,219	44,943
Female	47,738	48,344	48,920	49,859	50,327	51,096	52,136	52,218	52,164
Managerial and professional specialty	14,223	14,808	15,413	15,978	16,428	17,073	17,396	17,890	18,134
Executive, administrative, and managerial	6,164	6,452	6,781	7,124	7,323	7,527	7,702	8,029	8,062
Professional specialty	8,059	8,356	8,632	8,855	9,105	9,546	9,694	9,862	10,072
Engineers, architects, and surveyors	159	171	163	187	217	201	209	213	202
Architects	S	S	S	S	S	S	S	S	S
Engineers	136	140	136	158	190	172	164	167	165
Aerospace	S	S	S	S	S	S	S	S	S
Agricultural	S	S	S	S	S	S	S	S	S
Chemical	S	S	S	S	S	S	S	S	S
Civil	S	S	S	S	S	S	S	S	S
Electrical and electronic	S	S	S	S	S	S	50	51	S
Industrial	S	S	S	S	S	S	S	S	S
Marine and naval architects	S	S	S	S	S	S	S	S	S
Mechanical	S	S	S	S	S	S	S	S	S
Metallurgical and materials	S	S	S	S	S	S	S	S	S
Mining	S	S	S	S	S	S	S	S	S
Nuclear	S	S	S	S	S	S	S	S	S
Petroleum	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Surveyors and mapping scientists	S	S	S	S	S	S	S	S	S
Health assessment and treating	2,020	2,061	2,069	2,131	2,106	2,178	2,161	2,242	2,341
Dietitians	65	70	65	63	59	55	67	67	53
Pharmacists	62	51	62	70	63	74	73	86	92
Physicians' assistants	S	S	S	S	S	S	S	S	S
Registered nurses	1,581	1,600	1,585	1,647	1,596	1,666	1,662	1,700	1,764
Therapists	287	315	323	313	356	351	323	346	387
Occupational	S	S	52	S	54	59	S	54	63
Physical	65	86	66	66	85	91	80	94	106
Respiratory	50	S	51	S	50	S	S	S	S
Speech	82	81	88	92	93	89	92	97	103
Other	52	58	65	67	74	74	62	55	67

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Health diagnosing	165	187	193	205	226	196	208	231	256
Dentists	S	S	S	S	S	S	S	S	S
Optometrists	S	S	S	S	S	S	S	S	S
Physicians	111	132	134	144	152	126	140	156	184
Podiatrists	S	S	S	S	S	S	S	S	S
Veterinarians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	332	326	327	361	400	463	512	465	469
Actuaries	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	234	238	238	278	310	353	408	356	361
Operations and systems researchers and analysts	83	72	75	68	73	92	85	88	88
Statisticians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Natural scientists	135	116	130	129	130	137	150	161	154
Agricultural and food scientists	S	S	S	S	S	S	S	S	S
Atmospheric and space scientists	S	S	S	S	S	S	S	S	S
Biological and life scientists	S	S	S	S	S	S	S	S	S
Chemists, except biochemists	S	S	S	S	S	S	S	S	S
Forestry and conservation scientists	S	S	S	S	S	S	S	S	S
Geologists and geodesists	S	S	S	S	S	S	S	S	S
Medical scientists	S	S	S	S	S	S	S	S	S
Physicists and astronomers	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Social scientists and urban planners	216	220	218	209	209	236	234	233	238
Economists	S	68	75	61	58	64	60	60	59
Psychologists	150	137	127	131	125	150	156	149	160
Sociologists	S	S	S	S	S	S	S	S	S
Urban planners	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Teachers, postsecondary (college and university)	313	333	326	313	329	355	358	364	369
Agriculture and forestry	S	S	S	S	S	S	S	S	S
Biological sciences	S	S	S	S	S	S	S	S	S
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	S	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	220	233	241	220	227	257	255	264	263
Teachers, except postsecondary (college and university)	2,864	2,953	3,100	3,187	3,254	3,467	3,524	3,584	3,664
Elementary school	1,227	1,283	1,362	1,366	1,419	1,523	1,584	1,595	1,682
Prekindergarten and kindergarten	414	405	453	479	480	496	522	529	512
Secondary school	598	630	624	614	613	697	674	704	678

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

(Thousands)

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Special education	236	236	244	283	281	280	267	272	280
Other	389	399	418	444	461	471	478	484	512
Other	1,855	1,988	2,108	2,132	2,233	2,312	2,338	2,369	2,380
Technical, sales, and administrative support	20,594	20,569	20,510	20,746	20,692	20,726	21,110	20,844	20,622
Administrative support, including clerical	12,521	12,410	12,246	12,204	12,069	12,064	12,383	12,189	11,856
Sales	6,375	6,461	6,531	6,701	6,728	6,810	6,876	6,690	6,757
Technicians and related support	1,699	1,698	1,733	1,840	1,895	1,852	1,851	1,965	2,009
Engineering and related technologists and technicians	152	133	152	154	162	147	152	166	165
Drafting	S	S	S	S	S	S	S	S	S
Electrical and electronic technicians	S	S	S	51	57	S	53	67	63
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S
Other	63	54	60	60	57	54	S	S	S
Science technicians	80	82	74	98	102	103	94	114	118
Biological	S	S	S	52	64	61	56	70	71
Chemical	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health technologists and technicians	1,075	1,101	1,087	1,137	1,157	1,118	1,133	1,203	1,243
Clinical lab technologists and technicians	211	217	212	224	215	197	196	216	222
Dental hygienists	96	91	92	103	105	102	108	103	125
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	295	294	312	316	291	265	268	264	277
Radiologic technicians	104	106	87	96	108	113	98	107	129
Other	347	382	371	383	423	429	451	500	476
Technicians, except health, engineering, and sciences	392	382	421	450	473	484	472	482	482
Other occupations	12,920	12,966	12,997	13,136	13,208	13,298	13,630	13,483	13,407
Male	57,452	58,146	58,888	59,998	60,604	61,139	62,289	62,212	61,849
Managerial and professional specialty	15,821	16,515	16,703	17,111	17,635	18,052	18,080	18,351	18,271
Executive, administrative, and managerial	8,441	8,947	9,026	9,297	9,580	9,708	9,760	9,851	9,883
Professional specialty	7,380	7,568	7,677	7,814	8,055	8,344	8,320	8,500	8,388
Engineers, architects, and surveyors	1,668	1,731	1,707	1,747	1,725	1,792	1,758	1,784	1,717
Architects	109	123	121	126	120	153	153	148	144
Engineers	1,542	1,593	1,570	1,608	1,592	1,625	1,589	1,614	1,551
Aerospace	60	68	71	76	65	59	61	71	77
Agricultural	S	S	S	S	S	S	S	S	S
Chemical	S	61	63	62	52	65	67	55	54
Civil	201	189	191	205	233	218	215	220	198
Electrical and electronic	457	494	482	499	477	481	523	547	503
Industrial	191	195	208	196	193	198	186	191	176
Marine and naval architects	S	S	S	S	S	S	S	S	S
Mechanical	295	287	285	288	277	289	283	284	249
Metallurgical and materials	S	S	S	S	S	S	S	S	S
Mining	S	S	S	S	S	S	S	S	S
Nuclear	S	S	S	S	S	S	S	S	S
Petroleum	S	S	S	S	S	S	S	S	S
Other	206	221	199	203	207	233	191	190	237
Surveyors and mapping scientists	S	S	S	S	S	S	S	S	S
Health assessment and treating	325	331	344	342	354	362	370	362	353
Dietitians	S	S	S	S	S	S	S	S	S
Pharmacists	101	96	92	99	92	98	102	98	88
Physicians' assistants	S	S	S	S	S	S	S	S	S
Registered nurses	104	113	112	116	119	122	131	129	128

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

(Thousands) Page 17 of 26

Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Chemistry	S	S	S	S	S	S	S	S	S
Computer sciences	S	S	S	S	S	S	S	S	S
Earth, environmental, and marine sciences	S	S	S	S	S	S	S	S	S
Economics	S	S	S	S	S	S	S	S	S
Engineering	S	S	S	S	S	S	S	S	S
Health specialties	S	S	S	S	S	S	S	S	S
Mathematical sciences	S	S	S	S	S	S	S	S	S
Medical sciences	S	S	S	S	S	S	S	S	S
Natural sciences NEC	S	S	S	S	S	S	S	S	S
Physics	S	S	S	S	S	S	S	S	S
Political sciences	S	S	S	S	S	S	S	S	S
Psychology	S	S	S	S	S	S	S	S	S
Social sciences NEC	S	S	S	S	S	S	S	S	S
Sociology	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Teachers, except postsecondary (college and university)	299	332	349	368	392	383	429	431	444
Elementary school	142	148	151	169	177	170	200	203	213
Prekindergarten and kindergarten	54	68	71	75	79	78	82	93	93
Secondary school	51	60	51	56	70	60	72	51	50
Special education	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	52	56
Other	213	219	240	217	253	295	293	290	299
Technical, sales, and administrative support	2,531	2,673	2,723	2,835	3,007	3,065	3,100	3,088	2,881
Administrative support, including clerical	1,672	1,711	1,745	1,776	1,858	1,917	1,931	1,905	1,788
Sales	633	732	754	823	879	871	871	880	800
Technicians and related support	227	230	224	237	270	278	298	303	294
Engineering and related technologists and technicians	S	S	S	S	S	S	S	S	S
Drafting	S	S	S	S	S	S	S	S	S
Electrical and electronic technicians	S	S	S	S	S	S	S	S	S
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Science technicians	S	S	S	S	S	S	S	S	S
Biological	S	S	S	S	S	S	S	S	S
Chemical	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health technologists and technicians	179	165	155	168	196	197	206	210	222
Clinical lab technologists and technicians	S	S	S	S	S	S	S	S	61
Dental hygienists	S	S	S	S	S	S	S	S	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	72	76	55	57	64	63	68	83	76
Radiologic technicians	S	S	S	S	S	S	S	S	S
Other	57	S	S	56	75	69	74	68	76
Technicians, except health, engineering, and sciences	S	S	S	S	S	S	51	56	S
Other occupations	2,658	2,672	2,751	2,874	2,898	2,995	2,967	2,880	2,948
Male	6,241	6,422	6,456	6,607	6,871	7,027	7,082	6,938	6,959
Managerial and professional specialty	1,000	1,139	1,094	1,112	1,167	1,263	1,306	1,293	1,294
Executive, administrative, and managerial	526	589	537	559	589	596	629	651	668

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Chemical	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health technologists and technicians	S	S	S	S	S	S	S	S	S
Clinical lab technologists and technicians	S	S	S	S	S	S	S	S	S
Dental hygienists	S	S	S	S	S	S	S	S	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	S	S	S	S	S	S	S	S	S
Radiologic technicians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Technicians, except health, engineering, and sciences	S	S	S	S	S	S	S	S	S
Other occupations	1,881	1,964	2,030	2,270	2,388	2,545	2,812	2,872	3,031
Male	6,530	6,725	7,039	7,728	8,018	8,067	9,428	9,668	9,845
Managerial and professional specialty	805	805	851	982	1,019	1,015	1,056	1,110	1,192
Executive, administrative, and managerial	454	451	463	565	601	588	581	631	668
Professional specialty	351	354	388	417	417	426	474	480	524
Engineers, architects, and surveyors	61	69	71	77	74	76	86	83	81
Architects	S	S	S	S	S	S	S	S	S
Engineers	55	59	65	69	66	69	77	74	72
Aerospace	S	S	S	S	S	S	S	S	S
Agricultural	S	S	S	S	S	S	S	S	S
Chemical	S	S	S	S	S	S	S	S	S
Civil	S	S	S	S	S	S	S	S	S
Electrical and electronic	S	S	S	S	S	S	S	S	S
Industrial	S	S	S	S	S	S	S	S	S
Marine and naval architects	S	S	S	S	S	S	S	S	S
Mechanical	S	S	S	S	S	S	S	S	S
Metallurgical and materials	S	S	S	S	S	S	S	S	S
Mining	S	S	S	S	S	S	S	S	S
Nuclear	S	S	S	S	S	S	S	S	S
Petroleum	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Surveyors and mapping scientists	S	S	S	S	S	S	S	S	S
Health assessment and treating	S	S	S	S	S	S	S	S	S
Dietitians	S	S	S	S	S	S	S	S	S
Pharmacists	S	S	S	S	S	S	S	S	S
Physicians' assistants	S	S	S	S	S	S	S	S	S
Registered nurses	S	S	S	S	S	S	S	S	S
Therapists	S	S	S	S	S	S	S	S	S
Occupational	S	S	S	S	S	S	S	S	S
Physical	S	S	S	S	S	S	S	S	S
Respiratory	S	S	S	S	S	S	S	S	S
Speech	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health diagnosing	S	S	S	S	S	S	S	S	S
Dentists	S	S	S	S	S	S	S	S	S
Optometrists	S	S	S	S	S	S	S	S	S
Physicians	S	S	S	S	S	S	S	S	S
Podiatrists	S	S	S	S	S	S	S	S	S
Veterinarians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Mathematical and computer scientists	S	S	S	S	55	S	57	59	77
Actuaries	S	S	S	S	S	S	S	S	S
Computer systems analysts and scientists	S	S	S	S	S	S	51	54	68

TABLE H-5. Employed persons 16 years and older, by detailed occupation, sex, and race/ethnicity: 1994–2002 annual averages

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Occupation, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001	2002
Industrial engineering technicians	S	S	S	S	S	S	S	S	S
Mechanical engineering technicians	S	S	S	S	S	S	S	S	S
Surveying and mapping technicians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Science technicians	S	S	S	S	S	S	S	S	S
Biological	S	S	S	S	S	S	S	S	S
Chemical	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Health technologists and technicians	S	S	S	S	S	S	S	S	53
Clinical lab technologists and technicians	S	S	S	S	S	S	S	S	S
Dental hygienists	S	S	S	S	S	S	S	S	S
Health record technologists and technicians	S	S	S	S	S	S	S	S	S
Licensed practical nurses	S	S	S	S	S	S	S	S	S
Radiologic technicians	S	S	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Technicians, except health, engineering, and sciences	S	S	S	S	S	S	S	S	S
Other occupations	4,752	4,896	5,108	5,564	5,784	5,849	6,963	7,111	7,270

NEC not elsewhere classified

S suppressed because fewer than 50,000 weighted cases

NOTES: Data for 2001 and 2002 reflect weights calculated on the basis of the 2000 decennial census and do not match the data in tables H-2–H-4, which reflect weights based on the 1990 decennial census. Hispanics may be of any race and are classified by race as well as ethnicity.

SOURCE: Bureau of Labor Statistics, Current Population Survey, 1994–2002.

TABLE H-8. Employed S&E doctorate holders, by occupation, race/ethnicity and sex: 2001

Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Number of doctorate holders																	
All occupations	574,890	147,110	427,770	454,940	117,240	337,710	87,770	18,600	69,170	15,050	5,730	9,320	15,020	4,940	10,080	1,840	500	1,330
S&E occupations	427,740	105,400	322,330	334,210	83,060	251,160	70,010	14,730	55,280	9,980	3,420	6,560	11,920	3,790	8,130	1,390	340	1,040
Scientists	352,320	99,320	252,990	283,850	79,110	204,760	48,130	12,990	35,140	8,780	3,280	5,490	10,140	3,560	6,580	1,220	S	900
Computer and information scientists	34,660	4,720	29,950	21,950	2,780	19,170	11,340	1,790	9,560	600	80	530	710	80	640	S	S	S
Computer/information	28,300	3,810	24,500	17,220	2,070	15,160	10,020	1,630	8,400	430	S	390	570	70	500	S	S	S
Postsecondary teachers	6,360	910	5,450	4,720	710	4,010	1,320	160	1,160	170	S	140	140	S	140	S	S	S
Life and related scientists	107,850	32,210	75,640	85,150	24,340	60,810	17,240	5,930	11,310	2,150	770	1,390	3,000	1,060	1,940	280	80	200
Agricultural and food	8,780	1,430	7,350	6,930	1,040	5,890	1,160	220	930	250	S	220	400	130	260	50	S	S
Biological and medical	61,880	21,030	40,850	45,740	14,860	30,880	13,150	5,050	8,110	1,060	410	660	1,730	640	1,090	180	60	120
Environmental life	1,120	210	910	1,060	190	870	S	S	S	S	S	S	S	S	S	S	S	S
Postsecondary teachers	36,070	9,540	26,530	31,430	8,260	23,170	2,920	660	2,270	840	320	510	840	290	550	S	S	S
Mathematical scientists	21,900	4,460	17,450	16,880	3,050	13,840	3,810	1,090	2,710	550	200	350	610	110	510	50	S	S
Mathematicians	8,520	2,150	6,370	6,020	1,350	4,680	2,080	650	1,430	250	110	130	140	S	120	S	S	S
Postsecondary teachers	13,390	2,310	11,080	10,860	1,700	9,160	1,730	440	1,280	300	80	210	470	80	390	S	S	S
Physical and related scientists	73,840	10,280	63,560	59,870	7,600	52,270	10,660	2,200	8,460	1,190	180	1,010	1,840	270	1,570	240	S	220
Chemists (excluding biochemists)	24,220	3,860	20,360	17,820	2,410	15,410	5,380	1,290	4,090	450	70	380	540	90	460	S	S	S
Earth scientists, geologists, and oceanographers	8,910	980	7,940	7,580	820	6,770	1,010	140	870	60	S	60	230	S	220	S	S	S
Physicists and astronomers	13,960	1,080	12,870	11,610	720	10,890	1,940	310	1,630	90	S	80	270	S	240	S	S	S
Postsecondary teachers	25,620	4,190	21,430	21,860	3,530	18,330	2,220	430	1,790	580	80	500	780	130	650	150	S	140
Other	1,140	170	970	1,000	130	870	120	S	90	S	S	S	S	S	S	S	S	S
Psychologists	66,860	33,280	33,590	60,450	29,300	31,150	1,480	920	510	2,280	1,410	870	2,260	1,430	840	370	170	200
Postsecondary teachers	17,020	7,320	9,700	15,010	6,190	8,820	480	270	210	790	500	290	640	340	290	80	S	60
Psychologists	49,840	25,960	23,890	45,440	23,110	22,330	1,000	700	300	1,490	910	580	1,630	1,080	550	290	150	130
Social scientists	47,200	14,380	32,820	39,560	12,030	27,530	3,610	990	2,540	2,010	660	1,360	1,710	630	1,090	250	S	220
Economists	7,520	1,720	5,800	5,970	1,390	4,590	1,050	260	790	140	S	120	350	50	300	S	S	S
Political	1,430	330	1,100	1,170	250	920	70	S	S	50	S	S	100	S	60	50	S	50
Postsecondary teachers	32,100	9,290	22,800	26,970	7,740	19,240	2,240	570	1,670	1,540	470	1,080	1,100	470	630	190	S	170
Sociologists and anthropologists	3,800	1,890	1,900	3,370	1,630	1,740	100	80	S	190	120	70	140	60	70	S	S	S
Other	2,360	1,140	1,220	2,080	1,020	1,060	150	80	80	90	S	60	S	S	S	S	S	S
Engineers	75,420	6,080	69,340	50,360	3,950	46,400	21,880	1,740	20,140	1,200	140	1,070	1,780	230	1,550	170	S	140
Aerospace and related	4,280	250	4,030	3,270	170	3,100	880	S	840	S	S	S	90	S	60	S	S	S

TABLE H-8. Employed S&E doctorate holders, by occupation, race/ethnicity and sex: 2001

Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
Number of doctorate holders																		
Chemical	7,980	850	7,130	4,930	540	4,390	2,750	290	2,460	110	S	100	180	S	180	S	S	S
Civil	4,000	220	3,790	2,660	200	2,460	1,080	S	1,070	100	S	100	150	S	150	S	S	S
Electrical and related	16,110	1,060	15,060	9,520	460	9,060	6,060	540	5,520	210	S	190	290	S	250	S	S	S
Industrial	1,330	250	1,080	850	140	710	440	80	350	S	S	S	S	S	S	S	S	S
Mechanical	8,320	370	7,950	5,110	210	4,900	3,010	150	2,860	100	S	90	90	S	90	S	S	S
Postsecondary teachers	16,870	1,230	15,640	12,500	1,000	11,500	3,250	140	3,110	490	S	440	550	S	510	60	S	60
Other	16,530	1,870	14,660	11,530	1,240	10,290	4,410	480	3,930	140	S	90	410	90	310	S	S	S
Non-S&E occupations	147,150	41,710	105,440	120,730	34,180	86,550	17,760	3,870	13,890	5,070	2,310	2,760	3,100	1,150	1,950	450	160	290
Arts, humanities, and related	4,950	2,340	2,610	4,530	2,060	2,480	230	200	S	90	S	70	90	70	S	S	S	S
Health related	17,260	6,150	11,100	13,930	4,950	8,980	2,370	770	1,610	580	280	300	300	130	170	60	S	S
Managers and administrators	76,190	15,520	60,670	62,480	12,670	49,810	9,480	1,360	8,130	2,530	1,050	1,470	1,490	380	1,110	200	60	140
Postsecondary teachers	18,800	9,860	8,940	16,010	8,270	7,750	1,180	570	610	880	590	290	650	370	280	80	60	S
Precollege teachers	4,540	1,850	2,690	3,800	1,590	2,210	230	110	120	330	80	250	140	60	80	S	S	S
Sales and marketing	6,600	1,420	5,190	5,250	1,120	4,140	1,030	170	870	150	60	100	140	50	80	S	S	S
Social services and related	2,700	1,160	1,540	2,290	1,010	1,290	140	S	110	220	90	120	S	S	S	S	S	S
Technologists and technicians	7,030	890	6,140	4,660	420	4,240	2,230	470	1,760	60	S	60	80	S	80	S	S	S
Other	9,090	2,520	6,570	7,770	2,100	5,660	860	200	660	230	130	100	180	70	110	60	S	S
Percent distribution																		
All occupations	100.0	25.6	74.4	100.0	25.8	74.2	100.0	21.2	78.8	100.0	38.1	61.9	100.0	32.9	67.1	100.0	27.2	72.3
S&E occupations	100.0	18.3	75.4	100.0	18.3	75.2	100.0	16.8	79.0	100.0	22.7	65.7	100.0	25.2	68.2	100.0	18.5	74.8
Scientists	100.0	23.2	71.8	100.0	23.7	72.1	100.0	18.6	73.0	100.0	32.9	62.5	100.0	29.9	64.9	100.0	S	S
Computer and information scientists	100.0	13.6	86.4	100.0	12.7	87.3	100.0	15.8	84.3	100.0	13.3	88.3	100.0	11.3	90.1	100.0	S	S
Computer/information Postsecondary teachers	100.0	13.5	86.6	100.0	12.0	88.0	100.0	16.3	83.8	100.0	S	90.7	100.0	12.3	87.7	100.0	S	S
Life and related scientists	100.0	14.3	85.7	100.0	15.0	85.0	100.0	12.1	87.9	100.0	S	82.4	100.0	S	100.0	100.0	S	S
Agricultural and food	100.0	29.9	70.1	100.0	28.6	71.4	100.0	34.4	65.6	100.0	35.8	64.7	100.0	35.3	64.7	100.0	28.6	71.4
Biological and medical	100.0	16.3	83.7	100.0	15.0	85.0	100.0	19.0	80.2	100.0	S	88.0	100.0	32.5	65.0	100.0	S	S
Environmental life	100.0	34.0	66.0	100.0	32.5	67.5	100.0	38.4	61.7	100.0	38.7	62.3	100.0	37.0	63.0	100.0	33.3	66.7
Postsecondary teachers	100.0	18.8	81.3	100.0	17.9	82.1	100.0	S	S	100.0	S	S	S	S	S	100.0	S	S
Mathematical scientists	100.0	26.4	73.6	100.0	26.3	73.7	100.0	22.6	77.7	100.0	38.1	60.7	100.0	34.5	65.5	100.0	S	S
Mathematicians	100.0	20.4	79.7	100.0	18.1	82.0	100.0	28.6	71.1	100.0	36.4	63.6	100.0	18.0	83.6	100.0	S	S
Postsecondary teachers	100.0	25.2	74.8	100.0	22.4	77.7	100.0	31.3	68.8	100.0	44.0	52.0	100.0	S	85.7	100.0	S	S
Physical and related scientists	100.0	17.3	82.7	100.0	15.7	84.3	100.0	25.4	74.0	100.0	26.7	70.0	100.0	17.0	83.0	100.0	S	S
Chemists (excluding biochemists)	100.0	13.9	86.1	100.0	12.7	87.3	100.0	20.6	79.4	100.0	15.1	84.9	100.0	14.7	85.3	100.0	S	91.7

TABLE H-8. Employed S&E doctorate holders, by occupation, race/ethnicity and sex: 2001

Occupation	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
	Percent distribution																	
Earth scientists, geologists, and oceanographers	100.0	11.0	89.1	100.0	10.8	89.3	100.0	13.9	86.1	100.0	S	100.0	100.0	S	95.7	100.0	S	S
Physicists and astronomers	100.0	7.7	92.2	100.0	6.2	93.8	100.0	16.0	84.0	100.0	S	88.9	100.0	S	88.9	100.0	S	S
Postsecondary teachers	100.0	16.4	83.6	100.0	16.1	83.9	100.0	19.4	80.6	100.0	13.8	86.2	100.0	16.7	83.3	100.0	S	93.3
Other	100.0	14.9	85.1	100.0	13.0	87.0	100.0	S	75.0	100.0	S	S	S	S	S	100.0	S	S
Psychologists	100.0	49.8	50.2	100.0	48.5	51.5	100.0	62.2	34.5	100.0	61.8	38.2	100.0	63.3	37.2	100.0	45.9	54.1
Postsecondary teachers	100.0	43.0	57.0	100.0	41.2	58.8	100.0	56.3	43.8	100.0	63.3	36.7	100.0	53.1	45.3	100.0	S	75.0
Psychologists	100.0	52.1	47.9	100.0	50.9	49.1	100.0	70.0	30.0	100.0	61.1	38.9	100.0	66.3	33.7	100.0	51.7	44.8
Social scientists	100.0	30.5	69.5	100.0	30.4	69.6	100.0	27.4	70.4	100.0	32.8	67.7	100.0	36.8	63.7	100.0	S	88.0
Economists	100.0	22.9	77.1	100.0	23.3	76.9	100.0	24.8	75.2	100.0	S	85.7	100.0	14.3	85.7	100.0	S	S
Political	100.0	23.1	76.9	100.0	21.4	78.6	100.0	S	S	100.0	S	S	100.0	S	60.0	100.0	S	100.0
Postsecondary teachers	100.0	28.9	71.0	100.0	28.7	71.3	100.0	25.4	74.6	100.0	30.5	70.1	100.0	42.7	57.3	100.0	S	89.5
Sociologists and anthropologists	100.0	49.7	50.0	100.0	48.4	51.6	100.0	80.0	S	100.0	63.2	36.8	100.0	42.9	50.0	100.0	S	S
Other	100.0	48.3	51.7	100.0	49.0	51.0	100.0	53.3	53.3	100.0	S	66.7	100.0	S	S	100.0	S	S
Engineers	100.0	8.1	91.9	100.0	7.8	92.1	100.0	8.0	92.0	100.0	11.7	89.2	100.0	12.9	87.1	100.0	S	82.4
Aerospace and related	100.0	5.8	94.2	100.0	5.2	94.8	100.0	S	95.5	100.0	S	S	100.0	S	66.7	100.0	S	S
Chemical	100.0	10.7	89.3	100.0	11.0	89.0	100.0	10.5	89.5	100.0	S	90.9	100.0	S	100.0	100.0	S	S
Civil	100.0	5.5	94.8	100.0	7.5	92.5	100.0	S	99.1	100.0	S	100.0	100.0	S	100.0	100.0	S	S
Electrical and related	100.0	6.6	93.5	100.0	4.8	95.2	100.0	8.9	91.1	100.0	S	90.5	100.0	S	86.2	100.0	S	S
Industrial	100.0	18.8	81.2	100.0	16.5	83.5	100.0	18.2	79.5	100.0	S	S	100.0	S	S	100.0	S	S
Mechanical	100.0	4.4	95.6	100.0	4.1	95.9	100.0	5.0	95.0	100.0	S	90.0	100.0	S	100.0	100.0	S	S
Postsecondary teachers	100.0	7.3	92.7	100.0	8.0	92.0	100.0	4.3	95.7	100.0	S	89.8	100.0	S	92.7	100.0	S	100.0
Other	100.0	11.3	88.7	100.0	10.8	89.2	100.0	10.9	89.1	100.0	S	64.3	100.0	22.0	75.6	100.0	S	S
Non-S&E occupations	100.0	28.3	71.7	100.0	28.3	71.7	100.0	21.8	78.2	100.0	45.6	54.4	100.0	37.1	62.9	100.0	35.6	64.4
Arts, humanities, and related	100.0	47.3	52.7	100.0	45.5	54.7	100.0	87.0	S	100.0	S	77.8	100.0	77.8	S	100.0	S	S
Health related	100.0	35.6	64.3	100.0	35.5	64.5	100.0	32.5	67.9	100.0	48.3	51.7	100.0	43.3	56.7	100.0	S	S
Managers and administrators	100.0	20.4	79.6	100.0	20.3	79.7	100.0	14.3	85.8	100.0	41.5	58.1	100.0	25.5	74.5	100.0	30.0	70.0
Postsecondary teachers	100.0	52.4	47.6	100.0	51.7	48.4	100.0	48.3	51.7	100.0	67.0	33.0	100.0	56.9	43.1	100.0	75.0	S
Precollege teachers	100.0	40.7	59.3	100.0	41.8	58.2	100.0	47.8	52.2	100.0	24.2	75.8	100.0	42.9	57.1	100.0	S	S
Sales and marketing	100.0	21.5	78.6	100.0	21.3	78.9	100.0	16.5	84.5	100.0	40.0	66.7	100.0	35.7	57.1	100.0	S	S
Social services and related	100.0	43.0	57.0	100.0	44.1	56.3	100.0	S	78.6	100.0	40.9	54.5	100.0	S	S	100.0	S	S
Technologists and technicians	100.0	12.7	87.3	100.0	9.0	91.0	100.0	21.1	78.9	100.0	S	100.0	100.0	S	100.0	100.0	S	S
Other	100.0	27.7	72.3	100.0	27.0	72.8	100.0	23.3	76.7	100.0	56.5	43.5	100.0	38.9	61.1	100.0	S	S

S suppressed because fewer than 50 weighted cases.

NOTES: Table limited to those who earned a doctorate in an S&E field from a U.S. institution. Numbers are rounded to nearest 10. Details may not add to total because of rounding. Total includes "other race/ethnicity" not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2001.

TABLE H-17. Median annual salary of S&E doctorate holders employed full time, by sex, broad occupation, age, and race/ethnicity: 2001

(Dollars)

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Sex, occupation, age in years, and race/ethnicity	Total	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other
Both sexes							
All occupations	77,000	77,000	80,000	67,000	69,000	64,000	45,000
29 and younger	52,000	48,000	75,000	S	S	S	S
30-39	65,000	60,000	73,500	60,000	58,000	58,500	S
40-49	76,000	76,000	80,000	61,000	67,000	61,000	S
50 and older	85,000	85,000	89,000	75,000	80,000	73,000	S
S&E occupations	75,000	75,000	77,600	63,000	67,500	63,000	46,000
29 and younger	50,000	47,000	72,000	S	S	S	S
30-39	63,000	60,000	72,000	58,000	58,000	58,500	S
40-49	74,000	74,000	80,000	59,600	65,400	56,000	S
50 and older	82,000	82,300	85,000	75,000	80,000	73,000	S
Scientists	70,000	70,000	71,500	61,000	65,000	60,000	S
29 and younger	44,000	43,900	62,000	S	S	S	S
30-39	56,600	54,000	76,000	52,000	55,000	58,500	S
40-49	70,000	70,000	72,500	57,000	63,500	51,000	S
50 and older	80,000	80,000	80,000	73,000	78,000	65,000	S
Computer and mathematical scientists	80,000	80,000	85,000	70,000	78,000	S	S
29 and younger	62,000	50,000	80,000	S	S	S	S
30-39	79,000	72,000	84,000	73,000	75,800	S	S
40-49	82,000	80,000	85,000	72,000	90,000	S	S
50 and older	84,000	85,000	83,200	67,000	70,000	S	S
Life and related scientists	67,000	69,500	60,000	60,000	57,000	62,400	S
29 and younger	32,000	31,500	S	S	S	S	S
30-39	48,000	48,000	50,000	48,500	45,000	S	S
40-49	68,300	70,000	63,000	60,000	57,000	S	S
50 and older	80,000	80,000	77,200	73,000	87,000	S	S
Physical and related scientists	77,000	78,300	74,000	67,500	74,000	55,400	S
29 and younger	48,000	48,000	S	S	S	S	S
30-39	61,000	60,000	67,400	63,000	70,000	S	S
40-49	77,000	78,000	75,000	45,000	72,000	S	S
50 and older	88,000	89,000	83,000	73,000	86,000	S	S
Social and related scientists	64,000	65,000	59,000	59,000	59,200	58,400	S
29 and younger	45,500	46,000	S	S	S	S	S
30-39	51,000	50,400	55,000	51,300	53,000	S	S
40-49	61,000	62,000	59,000	55,000	58,000	S	S
50 and older	72,000	71,900	71,000	76,000	73,000	64,000	S
Engineers	88,000	90,000	87,000	80,000	78,000	S	S
29 and younger	72,000	71,000	75,000	S	S	S	S
30-39	80,000	78,000	84,000	80,000	74,000	S	S
40-49	89,000	90,000	89,500	71,900	75,000	S	S
50 and older	100,000	100,000	93,000	85,000	85,800	S	S
Non-S&E occupations	90,200	92,000	95,000	70,000	76,200	64,000	S
29 and younger	63,000	55,000	S	S	S	S	S
30-39	75,000	72,000	90,000	60,000	65,000	S	S
40-49	92,000	93,000	96,000	70,000	77,300	S	S
50 and older	96,100	98,000	100,000	74,000	82,000	98,000	S
Female							
All occupations	62,000	62,000	65,000	60,000	55,000	64,000	S
29 and younger	46,000	46,000	70,000	S	S	S	S

TABLE H-17. Median annual salary of S&E doctorate holders employed full time, by sex, broad occupation, age, and race/ethnicity: 2001

(Dollars)

Page 2 of 3

Sex, occupation, age in years, and race/ethnicity	Total	White	Asian/ Islander	Black	Hispanic	American Indian/ Alaskan Native	Other
30-39	52,300	50,800	60,000	51,300	50,000	S	S
40-49	65,000	64,800	70,000	59,000	58,000	S	S
50 and older	70,000	70,000	73,300	71,000	56,800	72,000	S
S&E occupations	60,000	60,000	65,000	56,000	54,000	65,000	S
29 and younger	45,500	44,000	70,000	S	S	S	S
30-39	51,000	50,000	60,000	51,300	50,000	S	S
40-49	63,000	62,500	70,000	53,200	57,000	S	S
50 and older	69,000	69,400	72,000	72,100	56,000	S	S
Scientists	60,000	60,000	62,000	54,000	54,000	65,000	S
29 and younger	40,000	40,000	60,000	36,300	30,000	S	S
30-39	50,000	48,500	56,000	48,000	47,100	S	S
40-49	62,000	60,500	70,000	53,200	57,000	S	S
50 and older	68,000	68,000	70,000	72,000	56,000	S	S
Computer and mathematical scientists	72,500	70,000	79,000	71,000	S	S	S
29 and younger	65,000	S	S	S	S	S	S
30-39	72,000	65,000	80,000	S	S	S	S
40-49	73,000	75,000	72,000	S	S	S	S
50 and older	75,000	75,000	74,600	S	S	S	S
Life and related scientists	58,000	60,000	56,000	55,000	50,000	S	S
29 and younger	32,000	32,000	S	S	S	S	S
30-39	43,000	42,400	45,000	39,900	42,000	S	S
40-49	64,000	64,000	65,000	59,000	57,000	S	S
50 and older	72,000	72,000	65,000	S	S	S	S
Physical and related scientists	62,600	60,000	69,500	S	57,900	S	S
29 and younger	S	S	S	S	S	S	S
30-39	54,000	52,500	59,000	S	S	S	S
40-49	70,000	67,400	74,000	S	S	S	S
50 and older	70,000	70,000	75,000	S	S	S	S
Social and related scientists	57,000	58,000	52,400	52,000	55,000	S	S
29 and younger	44,000	44,000	S	S	S	S	S
30-39	50,000	50,000	50,000	50,000	52,500	S	S
40-49	57,000	58,000	54,000	50,000	57,000	S	S
50 and older	63,400	64,000	S	70,000	56,000	S	S
Engineers	80,000	80,000	77,500	S	S	S	S
29 and younger	72,000	S	S	S	S	S	S
30-39	79,000	79,800	75,000	S	S	S	S
40-49	85,000	85,000	87,000	S	S	S	S
50 and older	84,000	87,000	S	S	S	S	S
Non-S&E occupations	69,000	70,000	70,000	62,800	65,000	S	S
29 and younger	S	S	S	S	S	S	S
30-39	60,000	60,000	63,000	58,000	54,000	S	S
40-49	70,000	70,000	75,000	64,000	77,300	S	S
50 and older	71,500	72,000	74,000	69,000	65,000	S	S
Male							
All occupations	81,000	82,000	82,000	70,000	75,000	63,000	S
29 and younger	58,000	50,000	76,000	S	S	S	S
30-39	70,000	67,000	78,000	63,000	68,000	58,500	S
40-49	80,000	80,000	83,000	66,000	71,500	60,000	S

TABLE H-17. Median annual salary of S&E doctorate holders employed full time, by sex, broad occupation, age, and race/ethnicity: 2001

(Dollars)

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Sex, occupation, age in years, and race/ethnicity	Total	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other
50 and older	90,000	90,000	90,000	76,100	86,000	73,000	S
S&E occupations	78,000	78,000	80,000	68,000	73,000	62,000	S
29 and younger	56,000	48,000	74,000	S	S	S	S
30-39	68,100	65,000	75,000	62,500	67,000	58,500	S
40-49	77,600	77,000	80,000	60,000	70,900	S	S
50 and older	85,000	85,000	86,000	75,000	83,000	73,000	S
Scientists	75,000	75,000	75,000	64,900	70,200	S	S
29 and younger	45,000	44,500	62,000	S	S	S	S
30-39	61,700	59,000	70,000	60,000	58,000	S	S
40-49	73,000	74,000	75,000	59,000	67,000	S	S
50 and older	81,000	82,000	80,000	75,000	83,000	64,000	S
Computer and mathematical scientists	83,000	82,100	85,000	70,000	80,500	S	S
29 and younger	61,100	50,000	S	S	S	S	S
30-39	80,000	75,000	84,000	S	81,000	S	S
40-49	85,000	82,100	88,000	75,500	90,000	S	S
50 and older	85,000	85,000	85,000	67,000	70,000	S	S
Life and related scientists	70,000	72,000	62,000	62,000	65,000	60,000	S
29 and younger	31,000	30,500	S	S	S	S	S
30-39	52,000	51,000	54,500	50,000	55,000	S	S
40-49	70,000	71,000	61,200	60,000	60,000	S	S
50 and older	83,000	83,100	78,000	72,000	97,000	S	S
Physical and related scientists	80,000	80,000	75,400	68,100	75,000	55,400	S
29 and younger	45,000	45,000	S	S	S	S	S
30-39	64,000	61,500	70,000	64,900	70,200	S	S
40-49	78,000	80,000	76,000	45,000	75,000	S	S
50 and older	89,000	90,000	84,000	73,000	86,000	S	S
Social and related scientists	69,000	70,000	63,000	62,000	65,000	58,400	S
29 and younger	54,000	54,000	S	S	S	S	S
30-39	54,000	53,000	61,500	55,000	53,000	S	S
40-49	65,000	67,000	62,000	59,000	60,000	S	S
50 and older	75,000	75,000	74,000	78,200	80,000	60,000	S
Engineers	89,000	90,000	88,000	80,000	76,000	S	S
29 and younger	72,000	71,500	S	S	S	S	S
30-39	80,000	78,000	84,000	80,000	72,000	S	S
40-49	89,000	90,000	89,500	71,900	75,000	S	S
50 and older	100,000	100,000	95,000	86,000	85,800	S	S
Non-S&E occupations	100,000	100,000	100,000	79,000	85,000	75,900	S
29 and younger	65,000	52,000	S	S	S	S	S
30-39	81,000	78,400	95,000	70,000	75,000	S	S
40-49	102,000	103,000	100,000	80,000	82,000	S	S
50 and older	104,000	105,000	101,000	77,000	105,000	S	S

S suppressed because fewer than 200 weighted cases

NOTES: Salaries rounded to nearest 100. Table limited to those who earned a doctorate in an S&E field from a U.S. institution.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2001.

TABLE H-23. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2001

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Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
All occupations	245,050	86,400	52,920	47,790	14,620	43,340
Female	69,520	13,380	15,660	18,580	6,180	15,730
White	55,960	11,820	13,340	14,530	4,830	11,450
Asian/Pacific Islander	7,440	640	990	2,070	790	2,940
Black	3,220	470	750	1,050	170	780
Hispanic	2,660	430	510	850	360	500
American Indian/Alaskan Native	190	S	60	70	S	S
Male	175,530	73,020	37,260	29,210	8,440	27,610
White	144,540	63,360	30,280	22,550	7,140	21,200
Asian/Pacific Islander	20,290	6,150	4,170	4,440	840	4,680
Black	4,950	1,420	1,460	1,110	240	720
Hispanic	5,010	1,770	1,200	910	190	930
American Indian/Alaskan Native	650	290	140	130	S	70
S&E occupations	228,110	82,510	48,890	43,680	13,450	39,580
Female	55,600	9,870	12,190	15,340	5,280	12,920
White	54,670	11,760	13,130	14,140	4,700	10,930
Asian/Pacific Islander	6,290	460	750	1,790	700	2,600
Black	2,730	350	670	860	120	720
Hispanic	2,560	410	470	830	360	480
American Indian/Alaskan Native	190	S	60	70	S	40
Male	151,670	61,860	33,220	26,930	7,390	22,260
White	142,400	62,650	30,070	22,140	7,050	20,490
Asian/Pacific Islander	19,380	5,830	3,950	4,290	820	4,490
Black	4,180	1,080	1,340	1,020	200	550
Hispanic	4,960	1,770	1,200	900	190	900
American Indian/Alaskan Native	650	290	140	130	S	70
Scientists	206,180	73,290	43,760	39,680	12,540	36,900
Female	53,880	9,610	11,710	14,780	5,150	12,630
White	53,370	11,550	12,740	13,700	4,610	10,760
Asian/Pacific Islander	6,010	420	700	1,730	660	2,500
Black	2,670	350	650	840	110	710
Hispanic	2,500	410	460	800	360	470
American Indian/Alaskan Native	190	S	60	70	S	S
Male	131,450	52,900	28,570	23,490	6,620	19,870
White	127,080	56,040	26,600	19,600	6,390	18,450
Asian/Pacific Islander	15,640	3,930	3,120	3,660	710	4,220
Black	3,710	930	1,120	930	200	540
Hispanic	4,350	1,500	1,060	770	190	830
American Indian/Alaskan Native	580	250	140	110	S	60
Computer and information scientists						
Female	1,030	130	430	230	60	180
White	810	80	370	160	50	140
Asian/Pacific Islander	170	S	S	50	S	S
Black	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Male	7,060	2,110	2,260	1,040	230	1,420
White	5,370	1,710	1,640	770	150	1,100

TABLE H-23. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2001

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Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
Asian/Pacific Islander	1,380	290	500	250	S	290
Black	150	S	70	S	S	S
Hispanic	160	70	S	S	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Life and related scientists						
Female	20,080	3,110	3,750	4,510	1,600	7,110
White	15,560	2,790	3,280	3,500	1,110	4,870
Asian/Pacific Islander	3,270	180	250	690	370	1,790
Black	450	80	90	120	S	150
Hispanic	780	60	130	190	100	300
American Indian/Alaskan Native	S	S	S	S	S	S
Male	45,320	16,560	9,330	8,570	1,930	8,940
White	36,210	14,840	7,800	6,150	1,580	5,840
Asian/Pacific Islander	6,810	1,210	1,000	1,850	300	2,450
Black	960	180	230	280	S	270
Hispanic	1,260	320	280	250	S	370
American Indian/Alaskan Native	80	S	S	S	S	S
Mathematical scientists						
Female	2,750	530	780	940	290	210
White	1,940	370	580	670	190	130
Asian/Pacific Islander	620	150	160	190	60	50
Black	100	S	S	S	S	S
Hispanic	80	S	S	S	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Male	11,660	5,300	2,850	1,920	940	650
White	9,570	4,560	2,220	1,440	780	560
Asian/Pacific Islander	1,400	440	460	340	130	S
Black	400	190	100	80	S	S
Hispanic	250	90	60	50	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Physical and related scientists						
Female	5,110	980	1,080	1,550	500	1,000
White	4,130	830	980	1,200	400	720
Asian/Pacific Islander	710	90	60	220	80	260
Black	90	S	S	S	S	S
Hispanic	160	60	S	70	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Male	27,090	10,880	5,130	4,180	1,380	5,510
White	22,830	9,600	4,050	3,580	1,210	4,390
Asian/Pacific Islander	2,730	800	590	380	120	830
Black	530	90	180	110	S	90
Hispanic	810	280	270	90	S	170
American Indian/Alaskan Native	140	80	S	S	S	S
Psychologists						
Female	11,490	1,990	2,320	3,460	1,300	2,420
White	9,680	1,810	1,920	2,820	1,110	2,020
Asian/Pacific Islander	430	S	80	140	S	180
Black	790	100	220	340	S	120
Hispanic	570	80	100	150	140	100
American Indian/Alaskan Native	S	S	S	S	S	S

TABLE H-23. S&E doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, race/ethnicity, and faculty rank: 2001

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Occupation, sex, and race/ethnicity	Total	Professor	Associate professor	Assistant professor	Other faculty	Not applicable
Male	12,020	5,220	2,520	2,430	690	1,170
White	10,840	4,960	2,180	2,180	520	990
Asian/Pacific Islander	270	60	60	70	S	S
Black	410	S	200	S	60	90
Hispanic	400	100	80	130	60	S
American Indian/Alaskan Native	70	50	S	S	S	S
Social scientists						
Female	10,410	2,500	2,790	3,220	1,140	760
White	8,620	2,220	2,340	2,500	970	590
Asian/Pacific Islander	660	90	140	330	70	S
Black	560	90	130	190	S	110
Hispanic	510	100	170	180	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Male	24,450	11,450	5,930	4,690	1,300	1,080
White	20,530	9,920	4,880	3,610	1,200	930
Asian/Pacific Islander	1,820	740	500	510	S	70
Black	1,110	400	250	360	60	S
Hispanic	760	310	210	150	S	50
American Indian/Alaskan Native	210	80	90	S	S	S
Engineers						
Female	1,710	250	480	560	140	290
White	1,300	210	390	440	90	170
Asian/Pacific Islander	290	S	60	60	S	90
Black	60	S	S	S	S	S
Hispanic	60	S	S	S	S	S
American Indian/Alaskan Native	S	S	S	S	S	S
Male	20,220	8,960	4,640	3,450	770	2,390
White	15,310	6,600	3,470	2,540	660	2,040
Asian/Pacific Islander	3,740	1,900	830	640	110	270
Black	470	150	210	100	S	S
Hispanic	610	270	130	140	S	70
American Indian/Alaskan Native	70	S	S	S	S	S
Non-S&E occupations						
Female	16,950	3,890	4,030	4,110	1,160	3,750
White	13,930	3,510	3,470	3,240	890	2,810
Asian/Pacific Islander	1,290	60	210	380	130	520
Black	1,140	190	240	280	90	350
Hispanic	490	110	80	180	50	60
American Indian/Alaskan Native	90	S	S	S	S	S
Male	27,720	12,550	4,590	2,940	1,200	6,440
White	23,870	11,160	4,040	2,280	1,040	5,340
Asian/Pacific Islander	2,140	720	210	410	90	710
Black	910	320	220	150	S	190
Hispanic	760	340	120	90	S	170
American Indian/Alaskan Native	S	S	S	S	S	S

S Suppressed because fewer than 50 weighted cases

NOTES: Table limited to those who earned a doctorate in an S&E field from a U.S. institution. Numbers are rounded to nearest 10. Details may not add to total because of rounding. Total includes "other race/ethnicity" not shown separately.

SOURCE: National Science Foundation, Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients.

TABLE H-32. Demographic characteristics of employed S&E doctorate holders, by race/ethnicity and sex: 2001

(Percent distribution)

Demographic characteristic	All races/ethnicities			White			Asian/Pacific Islander			Black			Hispanic			American Indian/ Alaskan Native		
	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male	Total	Female	Male
S&E doctorate holders (number)	574,890	147,110	427,770	454,940	117,240	337,710	87,770	18,600	69,170	15,050	5,730	9,320	15,020	4,940	10,080	1,840	500	1,330
Age in 2001 (years)																		
29 and younger	0.8	1.1	0.7	0.8	1.0	0.7	1.0	1.9	0.8	1.0	1.3	0.9	0.8	0.9	0.7	0.4	0.7	0.3
30-39	22.7	28.7	20.6	19.3	25.0	17.3	39.3	50.9	36.2	22.0	27.0	18.9	28.1	34.7	24.8	19.6	21.4	18.9
40-49	31.3	34.5	30.2	30.4	34.6	28.9	34.8	32.5	35.4	33.5	34.9	32.7	37.2	39.1	36.3	23.3	31.8	20.1
50 and older	45.3	35.8	48.5	49.6	39.5	53.1	24.9	14.7	27.6	43.5	36.8	47.6	33.9	25.2	38.2	56.7	46.1	60.7
Marital status																		
Married	79.1	67.2	83.2	78.3	66.7	82.4	87.0	78.4	89.3	64.7	47.2	75.5	72.6	62.1	77.7	72.6	59.5	77.5
Widowed	0.9	1.5	0.7	1.0	1.7	0.7	0.5	0.6	0.5	1.1	1.9	0.6	0.3	0.1	0.5	0.7	2.6	0.0
Separated	1.0	1.2	0.9	1.0	1.1	1.0	0.6	0.7	0.6	3.5	4.9	2.7	1.8	2.3	1.5	0.7	1.3	0.4
Divorced	7.4	11.8	5.8	8.1	12.6	6.5	2.7	5.2	2.0	11.0	15.7	8.0	9.2	12.7	7.4	11.7	17.5	9.5
Never married	11.6	18.2	9.3	11.6	17.9	9.4	9.2	15.1	7.6	19.7	30.4	13.2	16.2	22.7	13.0	14.4	19.1	12.6
If married, spouse's employment status																		
Employed																		
Full time	54.3	84.4	45.9	52.6	83.7	43.9	59.2	89.0	52.1	69.0	84.3	63.1	59.8	84.2	50.2	54.9	66.0	51.7
Part time	17.4	6.4	20.5	19.2	7.1	22.6	10.7	2.4	12.6	9.5	3.7	11.8	13.7	6.0	16.7	23.5	21.6	24.1
Not employed	28.3	9.2	33.6	28.2	9.2	33.5	30.1	8.6	35.2	21.5	12.0	25.1	26.5	9.8	33.0	21.5	12.4	24.2
If spouse is employed, field in which spouse's job required technical expertise at bachelor's level or above ^a																		
Engineering, computer sciences, or natural sciences	36.3	50.2	31.1	31.2	45.5	25.7	62.8	78.7	57.6	27.3	35.1	23.7	35.2	48.3	28.3	26.1	44.4	20.0
Social sciences	21.9	21.0	22.2	22.9	22.6	22.9	14.6	11.2	15.8	29.9	26.0	31.6	30.5	22.8	34.6	24.6	17.4	27.0
Other	35.9	30.7	37.9	38.0	32.4	40.1	25.1	20.2	26.7	44.5	38.0	47.4	34.9	31.7	36.5	37.4	34.2	38.5
Children living in household																		
No	50.1	55.2	48.4	52.6	56.7	51.2	37.5	44.4	35.6	50.7	60.1	44.9	47.2	51.9	44.9	61.2	66.6	59.1
Yes	49.9	44.8	51.6	47.4	43.3	48.8	62.5	55.6	64.4	49.3	39.9	55.1	52.8	48.1	55.1	38.8	33.4	40.9
Citizenship																		
U.S. citizen																		
Native	76.7	80.9	75.2	90.8	92.3	90.3	8.4	13.2	7.1	65.0	85.0	52.8	56.5	59.6	55.0	97.5	100.0	96.5
Naturalized	13.4	10.5	14.4	5.4	4.2	5.8	52.1	47.2	53.4	21.3	9.7	28.4	23.8	24.1	23.6	2.4	0.0	3.3
Non-U.S. citizen																		
Permanent resident	7.0	6.0	7.3	2.7	2.5	2.7	27.9	28.1	27.9	9.3	3.6	12.9	13.2	9.5	15.1	0.0	0.0	0.0
Temporary resident	2.9	2.5	3.1	1.1	1.0	1.1	11.6	11.5	11.6	4.3	1.8	5.9	6.5	6.8	6.3	0.2	0.0	0.2

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

NOTES: Data are limited to those who earned a doctorate in an S&E field from a U.S. institution. Figures rounded to nearest 10. Total includes "other race/ethnicity" not shown separately. Details may not add to total because of rounding.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, 2001.

TABLE H-33. Demographic characteristics of employed S&E doctorate holders, by disability status and sex: 2001

(Percent)

Demographic characteristic	All doctorate holders			No disability			With disability		
	Total	Female	Male	Total	Female	Male	Total	Female	Male
Employed S&E doctorate holders (number)	574,890	147,110	427,770	539,260	139,280	399,980	35,630	7,840	27,800
Age in 2001 (years)									
29 and younger	0.8	1.1	0.7	0.8	1.1	0.7	0.3	0.2	0.3
30–39	22.7	28.7	20.6	23.7	29.7	21.7	6.4	10.7	5.1
40–49	31.3	34.5	30.2	31.8	34.5	30.8	24.0	33.2	21.4
50 and older	45.3	35.8	48.5	43.7	34.7	46.8	69.4	55.9	73.2
Race/ethnicity									
White	79.1	79.7	78.9	78.6	79.5	78.3	86.7	83.0	87.7
Asian/Pacific Islander	15.3	12.6	16.2	15.8	12.9	16.8	7.7	8.8	7.4
Black	2.6	3.9	2.2	2.6	3.9	2.2	2.2	3.7	1.7
Hispanic	2.6	3.4	2.4	2.6	3.3	2.3	2.8	3.7	2.5
American Indian/Alaskan Native	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.5	0.6
Other	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.4	0.0
Marital status									
Married	79.1	67.2	83.2	79.1	67.4	83.2	79.6	64.1	84.0
Widowed	0.9	1.5	0.7	0.9	1.5	0.7	1.5	2.6	1.1
Separated	1.0	1.2	0.9	1.0	1.3	0.9	1.2	1.0	1.2
Divorced	7.4	11.8	5.8	7.2	11.5	5.7	9.8	18.0	7.4
Never married	11.6	18.2	9.3	11.8	18.4	9.5	8.0	14.2	6.2
If married, spouse's employment status									
Employed									
Full time	54.3	84.4	45.9	54.4	84.6	45.9	52.4	81.1	46.2
Part time	17.4	6.4	20.5	17.2	6.4	20.3	20.1	6.0	23.1
Not employed	28.3	9.2	33.6	28.4	9.0	33.8	27.5	12.9	30.7
If spouse is employed, field in which spouse's job required technical expertise at bachelor's level or above ^a									
Engineering, computer sciences, or natural sciences	36.3	50.2	31.1	38.0	32.9	39.3	28.1	42.7	24.2
Social sciences	21.9	21.0	22.2	21.2	20.4	21.5	26.5	29.2	25.7
Other	35.9	30.7	37.9	34.2	28.0	36.6	38.0	32.9	39.3
Children living in household									
No	50.1	55.2	48.4	49.4	54.7	47.6	61.3	63.0	60.8
Yes	49.9	44.8	51.6	50.6	45.3	52.4	38.7	37.0	39.2
Citizenship									
U.S. citizen									
Native	76.7	80.9	75.2	76.1	80.7	74.5	86.1	85.4	86.3
Naturalized	13.4	10.5	14.4	13.6	10.7	14.7	10.0	7.5	10.7
Non-U.S. citizen									
Permanent resident	7.0	6.0	7.3	7.2	6.1	7.6	2.8	4.5	2.3
Temporary resident	2.9	2.5	3.1	3.0	2.5	3.2	1.1	2.6	0.6

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

NOTES: Data are limited to those who earned a doctorate in an S&E field from a U.S. institution. Figures rounded to nearest 10. Details may 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, 2001.

TABLE H-34. Employed S&E doctorate holders with disabilities, by age at onset of disability: 2001

Age at onset (years)	Number	Percent distribution
All ages	35,630	100.0
Since birth	2,000	5.6
Younger than 10	2,140	6.0
10–19	3,160	8.9
20–29	3,530	9.9
30–39	4,220	11.8
40–49	11,560	32.4
50 or older	9,010	25.3

NOTES: Data are limited to those who earned a doctorate in an S&E field from a U.S. institution. Numbers rounded to nearest 10. 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, Survey of Doctorate Recipients, 2001.