

TABLE B-1. Undergraduate enrollment at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1997–2004

Race/ethnicity, citizenship, sex, and status	1997	1998	2000	2001	2002	2003	2004
All enrolled	12,458,456	12,750,061	13,435,923	13,532,275	14,083,538	14,200,204	14,424,448
White	8,684,498	8,303,212	8,659,934	8,561,393	8,794,221	8,849,625	8,894,602
Asian/Pacific Islander	745,299	732,167	791,431	810,599	849,951	845,542	865,669
Black	1,382,028	1,362,622	1,505,216	1,524,759	1,615,596	1,666,483	1,716,696
Hispanic	1,253,807	1,233,658	1,418,154	1,479,485	1,560,538	1,594,700	1,656,529
American Indian/Alaska Native	127,191	122,445	128,716	130,488	136,510	141,263	143,024
Other or unknown race/ethnicity	NA	757,037	649,391	723,108	816,179	795,857	844,641
Temporary resident	265,633	238,920	283,081	302,443	310,543	306,734	303,287
Female	6,990,620	7,191,871	7,418,668	7,639,293	7,990,908	8,113,132	8,251,480
White	4,825,977	4,628,298	4,707,602	4,768,735	4,916,439	4,968,059	4,992,423
Asian/Pacific Islander	385,372	382,966	414,678	430,483	453,553	455,594	467,847
Black	860,908	857,208	928,866	967,782	1,031,739	1,072,135	1,106,821
Hispanic	718,065	711,276	808,648	857,372	910,648	941,667	979,370
American Indian/Alaska Native	74,540	72,395	75,652	78,303	82,291	86,410	87,004
Other or unknown race/ethnicity	NA	427,983	347,413	390,478	442,574	435,250	463,040
Temporary resident	125,758	111,745	135,809	146,140	153,664	154,017	154,975
Male	5,467,836	5,558,190	6,017,255	5,892,982	6,092,630	6,087,072	6,172,968
White	3,858,521	3,674,914	3,952,332	3,792,658	3,877,782	3,881,566	3,902,179
Asian/Pacific Islander	359,927	349,201	376,753	380,116	396,398	389,948	397,822
Black	521,120	505,414	576,350	556,977	583,857	594,348	609,875
Hispanic	535,742	522,382	609,506	622,113	649,890	653,033	677,159
American Indian/Alaska Native	52,651	50,050	53,064	52,185	54,219	54,853	56,020
Other or unknown race/ethnicity	NA	329,054	301,978	332,630	373,605	360,607	381,601
Temporary resident	139,875	127,175	147,272	156,303	156,879	152,717	148,312
Full time	7,433,839	7,563,837	7,868,117	8,238,951	8,621,417	8,861,940	9,050,853
White	5,215,055	5,127,987	5,218,794	5,390,022	5,569,647	5,708,833	5,775,988
Asian/Pacific Islander	452,629	451,912	467,236	489,698	514,704	523,936	537,188
Black	812,110	809,180	840,272	895,346	951,951	998,918	1,030,216
Hispanic	673,976	671,889	722,012	767,268	811,731	855,087	891,142
American Indian/Alaska Native	72,563	71,132	70,723	74,439	78,814	84,004	85,404
Other or unknown race/ethnicity	NA	239,148	324,727	381,849	447,430	444,397	487,045
Temporary resident	207,506	192,589	224,353	240,329	247,140	246,765	243,870
Female	4,054,682	4,136,520	4,323,326	4,531,570	4,753,442	4,904,754	5,019,762
White	2,802,244	2,764,461	2,824,564	2,915,844	3,017,601	3,098,617	3,136,210
Asian/Pacific Islander	231,388	233,583	244,411	256,531	269,692	276,134	283,331
Black	495,764	494,942	514,856	551,501	588,379	620,165	642,180
Hispanic	389,448	388,691	421,963	448,876	475,005	503,353	524,551
American Indian/Alaska Native	41,460	40,963	41,289	43,653	46,303	50,037	50,481
Other or unknown race/ethnicity	NA	126,394	171,822	202,386	237,546	236,455	261,895
Temporary resident	94,378	87,486	104,421	112,779	118,916	119,993	121,114
Male	3,379,157	3,427,317	3,544,791	3,707,381	3,867,975	3,957,186	4,031,091
White	2,412,811	2,363,526	2,394,230	2,474,178	2,552,046	2,610,216	2,639,778
Asian/Pacific Islander	221,241	218,329	222,825	233,167	245,012	247,802	253,857
Black	316,346	314,238	325,416	343,845	363,572	378,753	388,036
Hispanic	284,528	283,198	300,049	318,392	336,726	351,734	366,591
American Indian/Alaska Native	31,103	30,169	29,434	30,786	32,511	33,967	34,923
Other or unknown race/ethnicity	NA	112,754	152,905	179,463	209,884	207,942	225,150
Temporary resident	113,128	105,103	119,932	127,550	128,224	126,772	122,756

NA not available.

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. In 1997, 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, 1997–2004.

TABLE B-2. Enrollment of first-time, first-year undergraduate students at all institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1997–2004

Race/ethnicity, citizenship, sex, and status	1997	1998	2000	2001	2002	2003	2004
All enrolled	2,182,788	2,194,148	2,376,968	2,394,388	2,475,168	2,494,265	2,505,637
White	1,535,230	1,480,364	1,565,273	1,548,045	1,587,781	1,595,855	1,575,137
Asian/Pacific Islander	119,048	114,720	125,198	129,933	132,352	130,972	135,686
Black	257,224	256,200	280,122	285,558	304,378	313,737	319,920
Hispanic	208,962	206,921	235,138	242,413	258,153	263,707	276,017
American Indian/Alaska Native	22,546	21,170	22,394	23,103	23,779	24,712	24,113
Other or unknown race/ethnicity	NA	80,199	106,116	119,903	125,901	123,012	132,344
Temporary resident	39,778	34,574	42,727	45,433	42,824	42,270	42,420
Female	1,176,020	1,184,620	1,275,694	1,297,715	1,353,212	1,364,626	1,368,853
White	818,916	789,825	829,549	828,131	855,610	859,483	845,163
Asian/Pacific Islander	60,661	59,295	64,422	67,563	68,842	68,963	71,186
Black	149,418	150,754	163,443	168,633	180,987	186,423	190,596
Hispanic	115,998	115,388	131,604	136,766	146,027	149,943	156,550
American Indian/Alaska Native	12,498	11,741	12,683	13,041	13,510	14,186	13,673
Other or unknown race/ethnicity	NA	41,728	54,397	62,242	66,957	64,580	70,374
Temporary resident	18,529	15,889	19,596	21,339	21,279	21,048	21,311
Male	1,006,768	1,009,528	1,101,274	1,096,673	1,121,956	1,129,639	1,136,784
White	716,314	690,539	735,724	719,914	732,171	736,372	729,974
Asian/Pacific Islander	58,387	55,425	60,776	62,370	63,510	62,009	64,500
Black	107,806	105,446	116,679	116,925	123,391	127,314	129,324
Hispanic	92,964	91,533	103,534	105,647	112,126	113,764	119,467
American Indian/Alaska Native	10,048	9,429	9,711	10,062	10,269	10,526	10,440
Other or unknown race/ethnicity	NA	38,471	51,719	57,661	58,944	58,432	61,970
Temporary resident	21,249	18,685	23,131	24,094	21,545	21,222	21,109
Full time	1,714,251	1,759,875	1,850,185	1,909,576	1,976,669	2,019,262	2,044,074
White	1,218,565	1,208,675	1,245,642	1,265,978	1,301,363	1,323,373	1,319,054
Asian/Pacific Islander	94,526	93,126	99,737	104,581	107,814	107,005	111,224
Black	196,631	198,111	208,355	218,159	230,820	242,483	248,861
Hispanic	153,383	154,084	167,164	174,847	187,393	196,178	204,470
American Indian/Alaska Native	16,522	15,973	16,596	17,466	17,964	19,218	19,088
Other or unknown race/ethnicity	NA	59,002	75,678	89,234	94,243	94,682	104,565
Temporary resident	34,624	30,904	37,013	39,311	37,072	36,323	36,812
Female	919,858	946,154	995,634	1,027,170	1,070,251	1,093,934	1,107,308
White	645,870	641,544	661,923	671,774	694,002	705,232	701,386
Asian/Pacific Islander	48,627	48,433	51,857	54,656	56,272	56,244	58,271
Black	114,102	116,086	122,133	127,820	135,763	142,829	147,051
Hispanic	86,437	86,956	95,219	99,677	106,814	112,088	116,588
American Indian/Alaska Native	9,012	8,812	9,281	9,815	10,092	10,849	10,739
Other or unknown race/ethnicity	NA	30,376	38,516	45,221	49,144	48,966	55,092
Temporary resident	15,810	13,947	16,705	18,207	18,164	17,726	18,181
Male	794,393	813,721	854,551	882,406	906,418	925,328	936,766
White	572,695	567,131	583,719	594,204	607,361	618,141	617,668
Asian/Pacific Islander	45,899	44,693	47,880	49,925	51,542	50,761	52,953
Black	82,529	82,025	86,222	90,339	95,057	99,654	101,810
Hispanic	66,946	67,128	71,945	75,170	80,579	84,090	87,882
American Indian/Alaska Native	7,510	7,161	7,315	7,651	7,872	8,369	8,349
Other or unknown race/ethnicity	NA	28,626	37,162	44,013	45,099	45,716	49,473
Temporary resident	18,814	16,957	20,308	21,104	18,908	18,597	18,631

NA Not available.

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. In 1997, 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, 1997–2004.

TABLE B-3. Undergraduate enrollment at 2-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1997–2004

Race/ethnicity, citizenship, sex, and status	1997	1998	2000	2001	2002	2003	2004
All enrolled	5,275,828	5,461,849	5,952,854	5,835,309	6,141,433	6,105,211	6,183,174
White	3,556,108	3,324,918	3,676,724	3,506,826	3,644,457	3,626,485	3,635,590
Asian/Pacific Islander	334,494	333,577	376,625	380,453	402,192	386,918	394,444
Black	612,560	597,564	711,182	697,022	755,242	774,783	793,079
Hispanic	632,410	619,177	759,213	788,706	837,726	836,109	871,303
American Indian/Alaska Native	64,042	61,124	66,394	66,420	69,699	70,149	71,103
Other or unknown race/ethnicity	NA	474,619	279,117	301,011	332,535	315,665	327,626
Temporary resident	76,214	50,870	83,599	94,871	99,582	95,102	90,029
Female	3,026,540	3,155,741	3,261,910	3,352,149	3,560,740	3,585,753	3,636,523
White	2,029,622	1,906,922	1,977,338	1,996,530	2,090,450	2,100,327	2,107,121
Asian/Pacific Islander	173,596	176,010	196,995	203,902	216,839	211,387	216,616
Black	383,525	381,314	432,547	448,813	491,698	511,395	523,792
Hispanic	360,851	355,614	425,148	452,275	486,401	493,256	514,592
American Indian/Alaska Native	38,047	36,873	39,229	40,399	42,626	43,539	44,170
Other or unknown race/ethnicity	NA	272,540	146,403	159,632	178,776	173,583	180,045
Temporary resident	40,899	26,468	44,250	50,598	53,950	52,266	50,187
Male	2,249,288	2,306,108	2,690,944	2,483,160	2,580,693	2,519,458	2,546,651
White	1,526,486	1,417,996	1,699,386	1,510,296	1,554,007	1,526,158	1,528,469
Asian/Pacific Islander	160,898	157,567	179,630	176,551	185,353	175,531	177,828
Black	229,035	216,250	278,635	248,209	263,544	263,388	269,287
Hispanic	271,559	263,563	334,065	336,431	351,325	342,853	356,711
American Indian/Alaska Native	25,995	24,251	27,165	26,021	27,073	26,610	26,933
Other or unknown race/ethnicity	NA	202,079	132,714	141,379	153,759	142,082	147,581
Temporary resident	35,315	24,402	39,349	44,273	45,632	42,836	39,842
Full time	1,904,441	1,914,481	2,008,860	2,157,210	2,333,018	2,412,411	2,448,916
White	1,267,211	1,226,939	1,245,236	1,316,471	1,408,972	1,459,031	1,474,874
Asian/Pacific Islander	117,429	123,880	125,544	132,118	142,254	142,069	142,584
Black	236,513	233,895	244,454	271,175	303,654	322,783	328,116
Hispanic	214,204	214,866	237,904	257,525	279,264	292,299	303,624
American Indian/Alaska Native	25,491	25,132	24,314	26,550	28,714	30,464	31,061
Other or unknown race/ethnicity	NA	59,367	78,587	92,414	104,885	103,962	112,862
Temporary resident	43,593	30,402	52,821	60,957	65,275	61,803	55,795
Female	1,058,961	1,059,867	1,113,159	1,195,326	1,299,519	1,353,640	1,378,501
White	692,025	667,932	675,851	713,265	766,681	797,567	808,768
Asian/Pacific Islander	58,665	62,935	64,653	67,781	72,815	73,051	73,357
Black	146,193	144,579	151,093	169,460	191,396	205,703	209,197
Hispanic	125,105	124,044	139,615	150,376	162,881	171,695	177,682
American Indian/Alaska Native	14,960	14,972	14,794	16,063	17,363	18,539	18,997
Other or unknown race/ethnicity	NA	30,469	40,363	47,074	54,383	54,738	60,865
Temporary resident	22,013	14,936	26,790	31,307	34,000	32,347	29,635
Male	845,480	854,614	895,701	961,884	1,033,499	1,058,771	1,070,415
White	575,186	559,007	569,385	603,206	642,291	661,464	666,106
Asian/Pacific Islander	58,764	60,945	60,891	64,337	69,439	69,018	69,227
Black	90,320	89,316	93,361	101,715	112,258	117,080	118,919
Hispanic	89,099	90,822	98,289	107,149	116,383	120,604	125,942
American Indian/Alaska Native	10,531	10,160	9,520	10,487	11,351	11,925	12,064
Other or unknown race/ethnicity	NA	28,898	38,224	45,340	50,502	49,224	51,997
Temporary resident	21,580	15,466	26,031	29,650	31,275	29,456	26,160

NA Not available.

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. In 1997, 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, 1997–2004.

TABLE B-4. Undergraduate enrollment at 4-year institutions, by race/ethnicity, citizenship, sex, and enrollment status: 1997–2004

Race/ethnicity, citizenship, sex, and status	1997	1998	2000	2001	2002	2003	2004
All enrolled	7,182,628	7,288,212	7,483,069	7,696,966	7,942,105	8,094,993	8,241,274
White	5,128,390	4,978,294	4,983,210	5,054,567	5,149,764	5,223,140	5,259,012
Asian/Pacific Islander	410,805	398,590	414,806	430,146	447,759	458,624	471,225
Black	769,468	765,058	794,034	827,737	860,354	891,700	923,617
Hispanic	621,397	614,481	658,941	690,779	722,812	758,591	785,226
American Indian/Alaska Native	63,149	61,321	62,322	64,068	66,811	71,114	71,921
Other or unknown race/ethnicity	NA	282,418	370,274	422,097	483,644	480,192	517,015
Temporary resident	189,419	188,050	199,482	207,572	210,961	211,632	213,258
Female	3,964,080	4,036,130	4,156,758	4,287,144	4,430,168	4,527,379	4,614,957
White	2,796,355	2,721,376	2,730,264	2,772,205	2,825,989	2,867,732	2,885,302
Asian/Pacific Islander	211,776	206,956	217,683	226,581	236,714	244,207	251,231
Black	477,383	475,894	496,319	518,969	540,041	560,740	583,029
Hispanic	357,214	355,662	383,500	405,097	424,247	448,411	464,778
American Indian/Alaska Native	36,493	35,522	36,423	37,904	39,665	42,871	42,834
Other or unknown race/ethnicity	NA	155,443	201,010	230,846	263,798	261,667	282,995
Temporary resident	84,859	85,277	91,559	95,542	99,714	101,751	104,788
Male	3,218,548	3,252,082	3,326,311	3,409,822	3,511,937	3,567,614	3,626,317
White	2,332,035	2,256,918	2,252,946	2,282,362	2,323,775	2,355,408	2,373,710
Asian/Pacific Islander	199,029	191,634	197,123	203,565	211,045	214,417	219,994
Black	292,085	289,164	297,715	308,768	320,313	330,960	340,588
Hispanic	264,183	258,819	275,441	285,682	298,565	310,180	320,448
American Indian/Alaska Native	26,656	25,799	25,899	26,164	27,146	28,243	29,087
Other or unknown race/ethnicity	NA	126,975	169,264	191,251	219,846	218,525	234,020
Temporary resident	104,560	102,773	107,923	112,030	111,247	109,881	108,470
Full time	5,529,398	5,649,356	5,859,257	6,081,741	6,288,399	6,449,529	6,601,937
White	3,947,844	3,901,048	3,973,558	4,073,551	4,160,675	4,249,802	4,301,114
Asian/Pacific Islander	335,200	328,032	341,692	357,580	372,450	381,867	394,604
Black	575,597	575,285	595,818	624,171	648,297	676,135	702,100
Hispanic	459,772	457,023	484,108	509,743	532,467	562,788	587,518
American Indian/Alaska Native	47,072	46,000	46,409	47,889	50,100	53,540	54,343
Other or unknown race/ethnicity	NA	179,781	246,140	289,435	342,545	340,435	374,183
Temporary resident	163,913	162,187	171,532	179,372	181,865	184,962	188,075
Female	2,995,721	3,076,653	3,210,167	3,336,244	3,453,923	3,551,114	3,641,261
White	2,110,219	2,096,529	2,148,713	2,202,579	2,250,920	2,301,050	2,327,442
Asian/Pacific Islander	172,723	170,648	179,758	188,750	196,877	203,083	209,974
Black	349,571	350,363	363,763	382,041	396,983	414,462	432,983
Hispanic	264,343	264,647	282,348	298,500	312,124	331,658	346,869
American Indian/Alaska Native	26,500	25,991	26,495	27,590	28,940	31,498	31,484
Other or unknown race/ethnicity	NA	95,925	131,459	155,312	183,163	181,717	201,030
Temporary resident	72,365	72,550	77,631	81,472	84,916	87,646	91,479
Male	2,533,677	2,572,703	2,649,090	2,745,497	2,834,476	2,898,415	2,960,676
White	1,837,625	1,804,519	1,824,845	1,870,972	1,909,755	1,948,752	1,973,672
Asian/Pacific Islander	162,477	157,384	161,934	168,830	175,573	178,784	184,630
Black	226,026	224,922	232,055	242,130	251,314	261,673	269,117
Hispanic	195,429	192,376	201,760	211,243	220,343	231,130	240,649
American Indian/Alaska Native	20,572	20,009	19,914	20,299	21,160	22,042	22,859
Other or unknown race/ethnicity	NA	83,856	114,681	134,123	159,382	158,718	173,153
Temporary resident	91,548	89,637	93,901	97,900	96,949	97,316	96,596

NA Not available.

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. In 1997, 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, 1997–2004.

TABLE B-5. Undergraduate enrollment status, by sex, race/ethnicity, citizenship, institutional control, and enrollment status: 2004

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	14,424,448	9,050,853	5,373,595	11,524,349	6,687,314	4,837,035	2,900,099	2,363,539	536,560
Female	8,251,480	5,019,762	3,231,718	6,578,978	3,677,996	2,900,982	1,672,502	1,341,766	330,736
Male	6,172,968	4,031,091	2,141,877	4,945,371	3,009,318	1,936,053	1,227,597	1,021,773	205,824
White	8,894,602	5,775,988	3,118,614	7,144,996	4,319,470	2,825,526	1,749,606	1,456,518	293,088
Female	4,992,423	3,136,210	1,856,213	4,000,495	2,323,605	1,676,890	991,928	812,605	179,323
Male	3,902,179	2,639,778	1,262,401	3,144,501	1,995,865	1,148,636	757,678	643,913	113,765
Asian/Pacific Islander	865,669	537,188	328,481	738,155	426,867	311,288	127,514	110,321	17,193
Female	467,847	283,331	184,516	396,227	221,359	174,868	71,620	61,972	9,648
Male	397,822	253,857	143,965	341,928	205,508	136,420	55,894	48,349	7,545
Black	1,716,696	1,030,216	686,480	1,374,769	770,665	604,104	341,927	259,551	82,376
Female	1,106,821	642,180	464,641	887,087	479,078	408,009	219,734	163,102	56,632
Male	609,875	388,036	221,839	487,682	291,587	196,095	122,193	96,449	25,744
Hispanic	1,656,529	891,142	765,387	1,366,228	661,264	704,964	290,301	229,878	60,423
Female	979,370	524,551	454,819	806,949	387,674	419,275	172,421	136,877	35,544
Male	677,159	366,591	310,568	559,279	273,590	285,689	117,880	93,001	24,879
American Indian/Alaska Native	143,024	85,404	57,620	123,817	70,526	53,291	19,207	14,878	4,329
Female	87,004	50,481	36,523	75,538	41,726	33,812	11,466	8,755	2,711
Male	56,020	34,923	21,097	48,279	28,800	19,479	7,741	6,123	1,618
Other or unknown race/ethnicity	844,641	487,045	357,596	568,550	282,948	285,602	276,091	204,097	71,994
Female	463,040	261,895	201,145	306,339	148,252	158,087	156,701	113,643	43,058
Male	381,601	225,150	156,451	262,211	134,696	127,515	119,390	90,454	28,936
Temporary resident	303,287	243,870	59,417	207,834	155,574	52,260	95,453	88,296	7,157
Female	154,975	121,114	33,861	106,343	76,302	30,041	48,632	44,812	3,820
Male	148,312	122,756	25,556	101,491	79,272	22,219	46,821	43,484	3,337

NOTES: Race/ethnicity 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, 2004.

TABLE B-8. Intentions of freshmen to major in S&E fields, by race/ethnicity and sex: 2004  
(Percent)

Race/ethnicity and sex	All S&E majors	Biological/ agricultural sciences	Computer sciences	Engineering	Mathematics/ statistics	Physical sciences	Social/ behavioral sciences
All races/ethnicities	33.1	8.3	2.0	9.6	0.7	2.3	10.2
Female	26.3	9.0	0.4	2.9	0.6	1.9	11.5
Male	40.8	7.4	4.1	17.9	1.0	2.9	7.5
White	30.1	7.0	1.9	9.0	0.8	2.3	9.1
Female	23.9	7.7	0.3	2.7	0.7	1.9	10.6
Male	38.7	6.4	3.9	17.0	1.0	3.0	7.4
Asian	45.5	16.1	2.2	15.1	0.9	2.4	8.8
Female	37.6	18.0	0.6	5.6	0.8	2.0	10.6
Male	54.3	14.1	4.1	25.8	1.0	2.6	6.7
Black	34.3	9.5	3.3	7.7	0.5	1.8	11.5
Female	31.9	10.9	1.5	2.9	0.4	1.9	14.3
Male	38.2	7.5	6.2	15.1	0.6	1.7	7.1
Hispanic of Mexican/Chicano/Puerto Rican descent	37.2	9.3	2.2	10.8	0.7	1.6	12.6
Female	31.7	10.4	0.6	3.1	0.7	1.3	15.6
Male	45.0	7.9	4.5	21.0	0.8	2.1	8.7
Other Hispanic	38.3	9.1	1.8	10.2	0.9	1.9	14.4
Female	33.8	10.4	0.7	3.4	0.7	1.6	17.0
Male	45.1	7.4	3.4	20.0	1.1	2.7	10.5
American Indian	33.8	8.6	2.2	7.8	0.6	2.5	12.1
Female	29.4	9.0	0.5	2.9	0.5	2.1	14.4
Male	40.7	8.2	4.7	15.2	0.7	3.2	8.7

NOTE: Includes first-year students at all 4-year colleges. Race/ethnicity categories are those used in the survey's data collection.

SOURCE: Higher Education Research Institute, University of California at Los Angeles, Survey of the American Freshman, special tabulations (Los Angeles, CA, 2005).

TABLE B-10. Undergraduate enrollment in engineering programs, by sex, race/ethnicity, and citizenship: 2005

Sex and status	All	Total	White	Asian	Black	Hispanic	Native	Foreign
	undergraduates							
Number								
All enrolled	409,326	387,642	282,421	43,385	24,343	35,198	2,295	21,684
Male	338,747	321,283	239,601	34,450	17,788	27,623	1,821	17,464
Female	70,579	66,359	42,820	8,935	6,555	7,575	474	4,220
Full time, first year	100,411	96,186	70,732	9,281	7,212	8,338	623	4,225
Male	84,173	80,725	60,608	7,550	5,389	6,692	486	3,448
Female	16,238	15,461	10,124	1,731	1,823	1,646	137	777
Percent distribution								
All enrolled	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	82.8	82.9	84.8	79.4	73.1	78.5	79.3	80.5
Female	17.2	17.1	15.2	20.6	26.9	21.5	20.7	19.5
Full time, first year	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Male	83.8	83.9	85.7	81.3	74.7	80.3	78.0	81.6
Female	16.2	16.1	14.3	18.7	25.3	19.7	22.0	18.4

NOTE: Race/ethnicity/citizenship categories are those used in the survey's data collection.

SOURCE: Engineering Workforce Commission, *Engineering & Technology Enrollments: Fall 2005* (Washington, DC, 2006).

TABLE C-3. S&E and S&E technologies associate's degrees, by sex, citizenship, race/ethnicity, and field: 2005

Sex, citizenship, and race/ethnicity	All fields	Engi- neering	S&E	Sciences									S&E technologies			
				All Agricultural sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathe- matics and statistics	Physical sciences	Psy- chology	Social sciences	All S&E tech- nologies	Engi- neering	Health	Other
All degrees	640,910	2,072	45,686	43,614	1,875	1,985	27,641	182	801	1,556	1,927	7,647	77,413	28,769	46,191	2,453
Female	395,233	288	18,343	18,055	641	1,311	8,287	65	275	624	1,484	5,368	43,228	4,504	38,068	656
Male	245,677	1,784	27,343	25,559	1,234	674	19,354	117	526	932	443	2,279	34,185	24,265	8,123	1,797
U.S. citizen/permanent resident	627,194	1,952	44,368	42,416	1,861	1,927	26,902	182	741	1,440	1,889	7,474	76,580	28,422	45,725	2,433
Female	386,874	270	17,820	17,550	635	1,271	8,026	65	257	585	1,455	5,256	42,782	4,415	37,723	644
Male	240,320	1,682	26,548	24,866	1,226	656	18,876	117	484	855	434	2,218	33,798	24,007	8,002	1,789
White	417,202	1,342	27,588	26,246	1,703	1,222	16,774	143	408	936	1,124	3,936	55,099	20,787	32,577	1,735
Female	252,391	149	10,064	9,915	567	795	4,424	47	139	360	867	2,716	30,584	3,025	27,108	451
Male	164,811	1,193	17,524	16,331	1,136	427	12,350	96	269	576	257	1,220	24,515	17,762	5,469	1,284
Asian/Pacific Islander	29,782	136	2,749	2,613	11	204	1,509	2	95	175	72	545	2,647	1,083	1,489	75
Female	17,766	31	1,192	1,161	6	147	480	0	37	78	59	354	1,245	154	1,052	39
Male	12,016	105	1,557	1,452	5	57	1,029	2	58	97	13	191	1,402	929	437	36
Black	72,566	162	5,379	5,217	8	147	3,718	17	35	78	172	1,042	8,365	2,602	5,449	314
Female	49,824	24	2,829	2,805	3	101	1,698	12	11	42	136	802	5,223	587	4,552	84
Male	22,742	138	2,550	2,412	5	46	2,020	5	24	36	36	240	3,142	2,015	897	230
Hispanic	68,205	201	5,205	5,004	43	227	2,708	5	154	137	379	1,351	6,638	2,405	4,075	158
Female	43,908	48	2,423	2,375	23	144	845	2	51	63	286	961	3,711	372	3,298	41
Male	24,297	153	2,782	2,629	20	83	1,863	3	103	74	93	390	2,927	2,033	777	117
American Indian/Alaskan Native	7,059	28	686	658	55	44	237	0	13	24	56	229	732	278	437	17
Female	4,751	5	400	395	19	29	109	0	6	14	44	174	436	61	372	3
Male	2,308	23	286	263	36	15	128	0	7	10	12	55	296	217	65	14
Other or unknown race/ethnicity	32,380	83	2,761	2,678	41	83	1,956	15	36	90	86	371	3,099	1,267	1,698	134
Female	18,234	13	912	899	17	55	470	4	13	28	63	249	1,583	216	1,341	26
Male	14,146	70	1,849	1,779	24	28	1,486	11	23	62	23	122	1,516	1,051	357	108
Temporary resident	13,716	120	1,318	1,198	14	58	739	0	60	116	38	173	833	347	466	20
Female	8,359	18	523	505	6	40	261	0	18	39	29	112	446	89	345	12
Male	5,357	102	795	693	8	18	478	0	42	77	9	61	387	258	121	8

NOTES: Race/ethnicity 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, Completions Survey, 2005.

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



TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	651,815	661,307	673,865	716,963	721,625	751,773	783,866	810,817	828,938
S&E	181,333	187,011	190,397	200,953	202,583	211,203	222,389	229,939	235,197
Sciences	170,017	175,541	179,058	188,737	190,669	198,516	209,419	216,682	222,000
Agricultural sciences	6,504	7,267	7,743	8,464	8,491	8,634	8,959	8,714	8,731
Biological sciences	32,865	35,266	37,101	37,958	37,084	37,695	39,533	40,440	42,283
Computer sciences	6,772	6,903	7,439	10,474	11,900	13,504	15,190	14,406	11,235
Earth, atmospheric, and ocean sciences	1,485	1,542	1,599	1,617	1,622	1,702	1,651	1,647	1,660
Atmospheric sciences	86	83	104	114	132	151	176	203	241
Earth sciences	1,334	1,385	1,403	1,409	1,400	1,446	1,406	1,358	1,351
Ocean sciences	65	74	92	94	90	105	69	86	68
Mathematics and statistics	5,992	5,889	5,659	5,604	5,497	5,762	5,879	6,318	6,625
Physical sciences	5,702	5,882	5,994	5,990	5,911	5,982	5,884	6,002	6,420
Astronomy	55	46	58	54	95	116	110	123	143
Chemistry	4,622	4,883	4,973	4,907	4,775	4,729	4,682	4,755	5,146
Physics	684	652	666	724	756	826	840	908	903
Other	341	301	297	305	285	311	252	216	228
Psychology	53,863	55,243	55,400	57,114	57,467	59,926	61,499	64,208	66,833
Social sciences	56,834	57,549	58,123	61,516	62,697	65,311	70,824	74,947	78,213
Anthropology	4,058	4,313	4,480	4,742	4,706	4,926	5,229	5,280	5,379
Area and ethnic studies	3,217	3,256	3,441	3,572	3,657	3,808	3,690	4,080	4,266
Economics	5,372	5,448	5,791	6,384	6,924	7,389	8,096	8,281	8,141
History of science	9	17	18	52	56	63	54	73	64
Linguistics	438	393	483	498	512	612	626	717	729
Political science and public administration	18,350	17,854	17,320	18,347	18,637	19,743	22,466	24,288	26,325
Sociology	16,375	16,904	17,122	18,028	17,923	18,011	18,638	19,310	20,138
Other	9,015	9,364	9,468	9,893	10,282	10,759	12,025	12,918	13,171
Engineering	11,316	11,470	11,339	12,216	11,914	12,687	12,970	13,257	13,197
Aerospace engineering	247	202	197	238	304	312	384	413	404
Chemical engineering	2,171	2,276	2,196	2,203	2,055	2,123	2,013	1,833	1,776
Civil engineering	2,424	2,569	2,576	2,333	2,041	2,224	2,249	2,279	2,349
Electrical engineering	1,972	2,018	2,012	2,350	2,542	2,720	2,909	3,032	2,833
Industrial engineering	1,097	1,079	1,020	1,307	1,224	1,341	1,312	1,265	1,269
Materials engineering	223	259	235	268	263	285	276	270	282
Mechanical engineering	1,736	1,635	1,636	1,784	1,739	1,783	1,861	1,952	1,953
Other	1,446	1,432	1,467	1,733	1,746	1,899	1,966	2,213	2,331
Non-S&E	470,482	474,296	483,468	516,010	519,042	540,570	561,477	580,878	593,741
U.S. citizen/permanent resident									
All fields	635,459	644,156	656,430	698,782	702,996	731,965	763,300	789,508	807,293
S&E	176,284	181,754	185,125	194,917	196,328	204,525	215,161	222,363	227,719
Sciences	165,588	170,960	174,414	183,507	185,191	192,590	202,968	210,015	215,481
Agricultural sciences	6,393	7,176	7,619	8,339	8,362	8,485	8,807	8,567	8,574
Biological sciences	32,111	34,473	36,358	37,129	36,227	36,776	38,598	39,429	41,039
Computer sciences	6,164	6,330	6,815	9,569	10,844	12,272	13,720	12,990	10,286
Earth, atmospheric, and ocean sciences	1,467	1,513	1,565	1,600	1,609	1,676	1,624	1,622	1,624
Atmospheric sciences	86	82	102	113	131	149	174	202	237
Earth sciences	1,317	1,360	1,372	1,393	1,388	1,425	1,382	1,335	1,323
Ocean sciences	64	71	91	94	90	102	68	85	64
Mathematics and statistics	5,820	5,676	5,492	5,429	5,337	5,586	5,652	6,021	6,317
Physical sciences	5,471	5,671	5,782	5,782	5,676	5,752	5,663	5,754	6,130
Astronomy	54	45	55	51	89	109	102	117	132

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Chemistry	4,423	4,709	4,799	4,748	4,595	4,558	4,516	4,571	4,932
Physics	659	619	637	684	710	780	796	857	847
Other	335	298	291	299	282	305	249	209	219
Psychology	53,122	54,449	54,526	56,124	56,454	58,867	60,385	63,041	65,647
Social sciences	55,040	55,672	56,257	59,535	60,682	63,176	68,519	72,591	75,864
Anthropology	3,971	4,202	4,411	4,664	4,624	4,849	5,160	5,205	5,298
Area and ethnic studies	3,120	3,131	3,318	3,450	3,535	3,699	3,582	3,966	4,162
Economics	4,752	4,798	5,133	5,727	6,195	6,568	7,225	7,387	7,238
History of science	9	17	17	52	54	62	52	73	64
Linguistics	371	323	405	431	452	543	564	657	669
Political science and public administration	17,780	17,308	16,727	17,672	17,991	19,079	21,739	23,516	25,589
Sociology	16,158	16,702	16,915	17,817	17,728	17,804	18,384	19,084	19,906
Other	8,879	9,191	9,331	9,722	10,103	10,572	11,813	12,703	12,938
Engineering	10,696	10,794	10,711	11,410	11,137	11,935	12,193	12,348	12,238
Aerospace engineering	232	190	184	224	280	291	362	387	382
Chemical engineering	2,027	2,119	2,075	2,061	1,941	1,994	1,890	1,713	1,643
Civil engineering	2,354	2,477	2,497	2,236	1,951	2,143	2,179	2,190	2,263
Electrical engineering	1,766	1,803	1,819	2,067	2,271	2,433	2,604	2,679	2,461
Industrial engineering	1,016	1,000	926	1,192	1,109	1,235	1,213	1,165	1,151
Materials engineering	217	253	227	260	247	279	270	254	272
Mechanical engineering	1,701	1,574	1,582	1,707	1,675	1,731	1,793	1,883	1,886
Other	1,383	1,378	1,401	1,663	1,663	1,829	1,882	2,077	2,180
Non-S&E	459,175	462,402	471,305	503,865	506,668	527,440	548,139	567,145	579,574
White									
All fields	484,996	485,218	489,011	506,958	504,580	518,797	535,094	546,765	555,024
S&E	128,224	129,706	130,189	133,128	132,664	136,725	142,624	145,345	147,288
Sciences	121,088	122,651	123,267	125,846	125,607	129,289	134,977	137,775	139,948
Agricultural sciences	5,600	6,236	6,554	7,101	7,121	7,179	7,422	7,166	7,131
Biological sciences	22,652	23,970	24,977	25,228	24,286	24,716	25,632	25,893	26,483
Computer sciences	3,568	3,599	3,795	4,971	5,448	5,967	6,362	5,719	4,614
Earth, atmospheric, and ocean sciences	1,332	1,335	1,364	1,404	1,383	1,462	1,446	1,367	1,367
Atmospheric sciences	75	74	92	102	115	133	160	176	209
Earth sciences	1,197	1,200	1,191	1,224	1,188	1,251	1,223	1,119	1,106
Ocean sciences	60	61	81	78	80	78	63	72	52
Mathematics and statistics	4,584	4,387	4,164	4,049	3,928	4,068	4,121	4,392	4,581
Physical sciences	3,790	3,890	3,912	3,814	3,819	3,815	3,865	3,813	4,036
Astronomy	40	37	45	43	66	85	82	89	89
Chemistry	3,000	3,131	3,146	3,024	2,984	2,934	2,967	2,925	3,169
Physics	499	471	493	500	549	567	611	635	623
Other	251	251	228	247	220	229	205	164	155
Psychology	40,735	40,826	40,307	40,003	39,977	41,393	42,469	43,819	44,938
Social sciences	38,827	38,408	38,194	39,276	39,645	40,689	43,660	45,606	46,798
Anthropology	3,184	3,303	3,476	3,594	3,561	3,671	3,835	3,759	3,835
Area and ethnic studies	1,813	1,832	1,834	1,807	1,907	1,956	1,837	2,010	2,039
Economics	3,027	3,070	3,220	3,491	3,675	3,810	4,039	4,042	4,005
History of science	7	13	16	33	30	35	36	52	46
Linguistics	256	224	272	299	324	400	402	433	433
Political science and public administration	12,530	11,929	11,297	11,719	11,868	12,520	14,155	15,047	15,918
Sociology	11,339	11,350	11,328	11,607	11,315	11,172	11,462	11,888	12,025
Other	6,671	6,687	6,751	6,726	6,965	7,125	7,894	8,375	8,497
Engineering	7,136	7,055	6,922	7,282	7,057	7,436	7,647	7,570	7,340
Aerospace engineering	183	140	152	175	216	232	287	282	294

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Chemical engineering	1,355	1,397	1,303	1,271	1,229	1,273	1,238	1,130	1,064
Civil engineering	1,714	1,810	1,802	1,620	1,402	1,527	1,540	1,552	1,524
Electrical engineering	869	878	880	981	1,006	1,011	1,092	1,046	948
Industrial engineering	634	601	568	731	693	727	749	706	651
Materials engineering	153	169	157	187	187	194	191	180	191
Mechanical engineering	1,223	1,081	1,084	1,186	1,161	1,218	1,293	1,301	1,253
Other	1,005	979	976	1,131	1,163	1,254	1,257	1,373	1,415
Non-S&E	356,772	355,512	358,822	373,830	371,916	382,072	392,470	401,420	407,736
Asian/Pacific Islander									
All fields	33,163	35,626	37,400	40,697	41,291	43,410	45,273	47,635	50,134
S&E	13,743	14,942	15,828	16,981	17,423	18,104	18,954	20,012	20,961
Sciences	12,307	13,468	14,261	15,317	15,739	16,250	17,099	17,995	18,908
Agricultural sciences	171	229	251	274	256	250	282	266	295
Biological sciences	4,087	4,533	4,688	4,460	4,280	4,325	4,491	4,849	5,503
Computer sciences	751	849	892	1,741	2,046	2,352	2,542	2,275	1,588
Earth, atmospheric, and ocean sciences	26	49	47	45	43	48	29	41	44
Atmospheric sciences	3	4	1	4	6	4	4	5	7
Earth sciences	22	42	43	37	36	36	23	31	36
Ocean sciences	1	3	3	4	1	8	2	5	1
Mathematics and statistics	390	380	390	444	434	485	551	573	627
Physical sciences	625	690	726	679	657	595	554	601	693
Astronomy	7	4	3	4	10	12	5	10	9
Chemistry	545	621	673	609	590	514	487	526	614
Physics	55	59	38	56	46	54	54	53	53
Other	18	6	12	10	11	15	8	12	17
Psychology	2,541	2,862	3,044	3,150	3,106	3,124	2,988	3,296	3,605
Social sciences	3,716	3,876	4,223	4,524	4,917	5,071	5,662	6,094	6,553
Anthropology	214	244	289	237	239	253	288	290	320
Area and ethnic studies	405	378	449	487	490	473	421	498	573
Economics	795	876	1,010	1,174	1,355	1,427	1,697	1,746	1,664
History of science	1	2	1	5	10	14	8	6	5
Linguistics	47	49	70	50	53	57	65	77	85
Political science and public administration	1,121	1,117	1,169	1,220	1,338	1,407	1,595	1,678	1,881
Sociology	778	837	824	904	925	925	963	1,103	1,268
Other	355	373	411	447	507	515	625	696	757
Engineering	1,436	1,474	1,567	1,664	1,684	1,854	1,855	2,017	2,053
Aerospace engineering	21	16	10	16	22	24	21	43	35
Chemical engineering	271	326	344	352	298	313	261	233	224
Civil engineering	270	254	273	189	149	171	181	183	229
Electrical engineering	408	401	459	530	641	739	751	805	769
Industrial engineering	104	109	96	124	118	144	156	153	131
Materials engineering	31	29	38	41	31	34	30	28	38
Mechanical engineering	161	165	162	172	168	149	157	209	226
Other	170	174	185	240	257	280	298	363	401
Non-S&E	19,420	20,684	21,572	23,716	23,868	25,306	26,319	27,623	29,173
Black									
All fields	57,331	59,341	62,225	68,564	70,270	73,826	78,266	81,926	83,760
S&E	17,167	18,330	19,053	20,948	21,327	22,375	23,456	24,630	25,288
Sciences	16,131	17,273	18,011	19,858	20,301	21,284	22,400	23,534	24,214
Agricultural sciences	171	196	230	267	261	275	256	282	267
Biological sciences	2,576	2,820	3,105	3,359	3,367	3,358	3,586	3,721	3,756

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Computer sciences	1,204	1,179	1,294	1,670	1,989	2,324	2,750	2,667	2,220
Earth, atmospheric, and ocean sciences	29	20	37	24	24	32	27	40	38
Atmospheric sciences	5	1	3	4	0	5	5	10	3
Earth sciences	23	15	32	19	23	20	21	29	33
Ocean sciences	1	4	2	1	1	7	1	1	2
Mathematics and statistics	493	533	504	471	451	470	416	447	439
Physical sciences	589	624	569	645	580	611	551	592	586
Astronomy	1	0	1	0	0	1	1	2	3
Chemistry	485	559	484	561	513	519	489	510	508
Physics	65	47	65	63	43	69	41	62	57
Other	38	18	19	21	24	22	20	18	18
Psychology	4,610	5,056	5,308	5,926	6,005	6,210	6,448	6,906	7,498
Social sciences	6,459	6,845	6,964	7,496	7,624	8,004	8,366	8,879	9,410
Anthropology	131	154	167	198	172	199	198	257	243
Area and ethnic studies	414	421	463	493	479	510	512	546	598
Economics	418	394	423	452	527	593	618	655	607
History of science	0	1	0	3	4	3	3	5	4
Linguistics	11	6	17	12	20	20	9	30	26
Political science and public administration	2,197	2,224	2,193	2,273	2,255	2,411	2,605	2,903	3,205
Sociology	2,383	2,647	2,719	2,916	3,033	3,018	3,072	3,045	3,292
Other	905	998	982	1,149	1,134	1,250	1,349	1,438	1,435
Engineering	1,036	1,057	1,042	1,090	1,026	1,091	1,056	1,096	1,074
Aerospace engineering	6	6	2	6	8	9	17	12	10
Chemical engineering	210	208	220	214	194	190	168	154	152
Civil engineering	143	128	147	147	114	126	111	133	141
Electrical engineering	257	290	265	296	323	322	355	374	352
Industrial engineering	128	123	106	126	117	141	128	123	141
Materials engineering	11	7	18	14	11	20	9	14	11
Mechanical engineering	181	183	150	151	134	154	123	138	126
Other	100	112	134	136	125	129	145	148	141
Non-S&E	40,164	41,011	43,172	47,616	48,943	51,451	54,810	57,296	58,472
Hispanic									
All fields	41,680	44,388	46,409	53,667	54,667	58,357	61,840	64,818	68,134
S&E	11,887	12,945	13,744	15,460	15,580	16,750	18,110	18,784	19,922
Sciences	11,053	12,016	12,798	14,472	14,618	15,695	17,050	17,676	18,767
Agricultural sciences	222	264	313	319	310	357	386	379	416
Biological sciences	1,969	2,196	2,460	2,710	2,791	2,748	3,117	3,015	3,150
Computer sciences	457	437	512	695	726	836	1,103	1,009	851
Earth, atmospheric, and ocean sciences	39	54	56	53	83	52	51	62	79
Atmospheric sciences	2	2	6	1	5	1	2	4	7
Earth sciences	36	50	47	45	71	44	48	54	67
Ocean sciences	1	2	3	7	7	7	1	4	5
Mathematics and statistics	224	234	286	273	295	332	297	308	347
Physical sciences	345	331	384	452	414	437	412	450	485
Astronomy	3	3	2	2	7	2	7	6	8
Chemistry	311	300	352	404	357	383	365	391	417
Physics	17	22	22	31	33	32	34	46	43
Other	14	6	8	15	17	20	6	7	17
Psychology	3,710	3,997	4,127	4,699	4,782	5,130	5,321	5,660	5,954
Social sciences	4,087	4,503	4,660	5,271	5,217	5,803	6,363	6,793	7,485
Anthropology	231	285	249	309	301	342	372	394	411

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Area and ethnic studies	355	356	428	430	415	462	485	524	561
Economics	311	294	286	332	328	393	451	464	466
History of science	1	1	0	3	2	4	3	5	4
Linguistics	32	17	26	27	29	30	34	46	50
Political science and public administration	1,396	1,516	1,480	1,630	1,602	1,718	1,988	2,192	2,608
Sociology	1,167	1,316	1,443	1,639	1,632	1,789	1,872	1,948	2,106
Other	594	718	748	901	908	1,065	1,158	1,220	1,279
Engineering	834	929	946	988	962	1,055	1,060	1,108	1,155
Aerospace engineering	17	23	17	15	24	16	22	23	26
Chemical engineering	139	153	172	166	157	153	139	138	147
Civil engineering	159	213	212	198	198	217	229	233	252
Electrical engineering	184	179	166	198	206	247	244	293	240
Industrial engineering	140	142	143	185	157	183	144	150	181
Materials engineering	14	43	11	8	11	14	23	18	15
Mechanical engineering	106	105	152	131	139	138	156	144	180
Other	75	71	73	87	70	87	103	109	114
Non-S&E	29,793	31,443	32,665	38,207	39,087	41,607	43,730	46,034	48,212
American Indian/Alaskan Native									
All fields	4,002	4,323	4,627	5,074	5,141	5,253	5,636	5,957	5,728
S&E	1,127	1,255	1,270	1,445	1,478	1,465	1,634	1,760	1,746
Sciences	1,079	1,188	1,223	1,356	1,414	1,391	1,560	1,670	1,666
Agricultural sciences	58	70	68	90	97	69	91	89	82
Biological sciences	174	184	208	223	237	247	240	263	308
Computer sciences	39	28	36	59	78	85	82	93	78
Earth, atmospheric, and ocean sciences	7	16	13	21	16	9	8	20	14
Atmospheric sciences	1	0	0	1	0	0	2	0	0
Earth sciences	6	16	13	17	16	9	6	20	13
Ocean sciences	0	0	0	3	0	0	0	0	1
Mathematics and statistics	23	28	27	38	23	28	35	22	28
Physical sciences	23	27	28	32	33	40	48	29	42
Astronomy	0	0	0	1	2	1	3	0	2
Chemistry	20	21	24	26	23	32	40	25	32
Physics	2	3	2	4	6	7	5	3	7
Other	1	3	2	1	2	0	0	1	1
Psychology	338	372	368	390	405	417	424	469	421
Social sciences	417	463	475	503	525	496	632	685	693
Anthropology	47	57	53	57	61	61	74	69	70
Area and ethnic studies	42	36	45	52	60	78	85	88	84
Economics	24	23	23	22	24	21	36	41	31
History of science	0	0	0	0	0	0	0	0	0
Linguistics	2	3	5	9	1	2	4	2	8
Political science and public administration	116	135	124	123	121	121	155	201	166
Sociology	131	139	133	153	159	137	180	168	191
Other	55	70	92	87	99	76	98	116	143
Engineering	48	67	47	89	64	74	74	90	80
Aerospace engineering	0	1	1	1	1	2	1	7	4
Chemical engineering	14	8	6	12	9	12	9	11	14
Civil engineering	15	24	14	26	26	18	23	17	19
Electrical engineering	4	7	5	13	8	10	21	20	11
Industrial engineering	1	8	2	8	4	5	4	9	9
Materials engineering	0	1	2	1	1	2	0	2	1
Mechanical engineering	6	9	7	12	12	17	7	12	14
Other	8	9	10	16	3	8	9	12	8

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Non-S&E	2,875	3,068	3,357	3,629	3,663	3,788	4,002	4,197	3,982
Other or unknown race/ethnicity									
All fields	14,287	15,260	16,758	23,822	27,047	32,322	37,191	42,407	44,513
S&E	4,136	4,576	5,041	6,955	7,856	9,106	10,383	11,832	12,514
Sciences	3,930	4,364	4,854	6,658	7,512	8,681	9,882	11,365	11,978
Agricultural sciences	171	181	203	288	317	355	370	385	383
Biological sciences	653	770	920	1,149	1,266	1,382	1,532	1,688	1,839
Computer sciences	145	238	286	433	557	708	881	1,227	935
Earth, atmospheric, and ocean sciences	34	39	48	53	60	73	63	92	82
Atmospheric sciences	0	1	0	1	5	6	1	7	11
Earth sciences	33	37	46	51	54	65	61	82	68
Ocean sciences	1	1	2	1	1	2	1	3	3
Mathematics and statistics	106	114	121	154	206	203	232	279	295
Physical sciences	99	109	163	160	173	254	233	269	288
Astronomy	3	1	4	1	4	8	4	10	21
Chemistry	62	77	120	124	128	176	168	194	192
Physics	21	17	17	30	33	51	51	58	64
Other	13	14	22	5	8	19	10	7	11
Psychology	1,188	1,336	1,372	1,956	2,179	2,593	2,735	2,891	3,231
Social sciences	1,534	1,577	1,741	2,465	2,754	3,113	3,836	4,534	4,925
Anthropology	164	159	177	269	290	323	393	436	419
Area and ethnic studies	91	108	99	181	184	220	242	300	307
Economics	177	141	171	256	286	324	384	439	465
History of science	0	0	0	8	8	6	2	5	5
Linguistics	23	24	15	34	25	34	50	69	67
Political science and public administration	420	387	464	707	807	902	1,241	1,495	1,811
Sociology	360	413	468	598	664	763	835	932	1,024
Other	299	345	347	412	490	541	689	858	827
Engineering	206	212	187	297	344	425	501	467	536
Aerospace engineering	5	4	2	11	9	8	14	20	13
Chemical engineering	38	27	30	46	54	53	75	47	42
Civil engineering	53	48	49	56	62	84	95	72	98
Electrical engineering	44	48	44	49	87	104	141	141	141
Industrial engineering	9	17	11	18	20	35	32	24	38
Materials engineering	8	4	1	9	6	15	17	12	16
Mechanical engineering	24	31	27	55	61	55	57	79	87
Other	25	33	23	53	45	71	70	72	101
Non-S&E	10,151	10,684	11,717	16,867	19,191	23,216	26,808	30,575	31,999
Temporary resident									
All fields	16,356	17,151	17,435	18,181	18,629	19,808	20,566	21,309	21,645
S&E	5,049	5,257	5,272	6,036	6,255	6,678	7,228	7,576	7,478
Sciences	4,429	4,581	4,644	5,230	5,478	5,926	6,451	6,667	6,519
Agricultural sciences	111	91	124	125	129	149	152	147	157
Biological sciences	754	793	743	829	857	919	935	1,011	1,244
Computer sciences	608	573	624	905	1,056	1,232	1,470	1,416	949
Earth, atmospheric, and ocean sciences	18	29	34	17	13	26	27	25	36
Atmospheric sciences	0	1	2	1	1	2	2	1	4
Earth sciences	17	25	31	16	12	21	24	23	28
Ocean sciences	1	3	1	0	0	3	1	1	4
Mathematics and statistics	172	213	167	175	160	176	227	297	308

TABLE C-12. Bachelor's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Physical sciences	231	211	212	208	235	230	221	248	290
Astronomy	1	1	3	3	6	7	8	6	11
Chemistry	199	174	174	159	180	171	166	184	214
Physics	25	33	29	40	46	46	44	51	56
Other	6	3	6	6	3	6	3	7	9
Psychology	741	794	874	990	1,013	1,059	1,114	1,167	1,186
Social sciences	1,794	1,877	1,866	1,981	2,015	2,135	2,305	2,356	2,349
Anthropology	87	111	69	78	82	77	69	75	81
Area and ethnic studies	97	125	123	122	122	109	108	114	104
Economics	620	650	658	657	729	821	871	894	903
History of science	0	0	1	0	2	1	2	0	0
Linguistics	67	70	78	67	60	69	62	60	60
Political science and public administration	570	546	593	675	646	664	727	772	736
Sociology	217	202	207	211	195	207	254	226	232
Other	136	173	137	171	179	187	212	215	233
Engineering	620	676	628	806	777	752	777	909	959
Aerospace engineering	15	12	13	14	24	21	22	26	22
Chemical engineering	144	157	121	142	114	129	123	120	133
Civil engineering	70	92	79	97	90	81	70	89	86
Electrical engineering	206	215	193	283	271	287	305	353	372
Industrial engineering	81	79	94	115	115	106	99	100	118
Materials engineering	6	6	8	8	16	6	6	16	10
Mechanical engineering	35	61	54	77	64	52	68	69	67
Other	63	54	66	70	83	70	84	136	151
Non-S&E	11,307	11,894	12,163	12,145	12,374	13,130	13,338	13,733	14,167

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data 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, Completions Survey, 1996–2005.

TABLE C-14. Bachelor's degrees, by race/ethnicity, citizenship, sex, and field: 2004

Race/ethnicity, citizenship, and sex	Number of recipients												
	All fields	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Non-S&E
All recipients	1,407,009	452,338	387,663	15,622	63,892	57,405	3,903	13,755	14,240	82,510	136,336	64,675	954,671
White	962,887	294,105	252,248	13,140	41,910	30,357	3,338	9,639	9,833	56,515	87,516	41,857	668,782
Asian/Pacific Islander	86,030	41,022	33,397	397	7,698	7,462	85	1,244	1,229	4,345	10,937	7,625	45,008
Black	122,618	38,050	34,838	360	4,997	5,934	65	784	958	8,479	13,261	3,212	84,568
Hispanic	105,165	33,077	28,607	624	4,454	3,535	131	676	885	7,252	11,050	4,470	72,088
American Indian/Alaskan Native	9,914	3,201	2,868	180	402	416	31	59	76	596	1,108	333	6,713
Other or unknown race/ethnicity	76,220	24,302	21,671	686	2,792	4,840	203	671	668	3,852	7,959	2,631	51,918
Temporary resident	44,175	18,581	14,034	235	1,639	4,861	50	682	591	1,471	4,505	4,547	25,594
Female	810,817	227,813	214,556	8,147	39,913	14,406	1,647	6,318	6,002	64,208	73,915	13,257	583,004
White	546,765	143,951	136,381	6,696	25,579	5,719	1,367	4,392	3,813	43,819	44,996	7,570	402,814
Asian/Pacific Islander	47,635	19,905	17,888	257	4,792	2,275	41	573	601	3,296	6,053	2,017	27,730
Black	81,926	24,391	23,295	234	3,690	2,667	40	447	592	6,906	8,719	1,096	57,535
Hispanic	64,818	18,534	17,426	363	2,915	1,009	62	308	450	5,660	6,659	1,108	46,284
American Indian/Alaskan Native	5,957	1,744	1,654	86	257	93	20	22	29	469	678	90	4,213
Other or unknown race/ethnicity	42,407	11,735	11,268	368	1,679	1,227	92	279	269	2,891	4,463	467	30,672
Temporary resident	21,309	7,553	6,644	143	1,001	1,416	25	297	248	1,167	2,347	909	13,756
Male	596,192	224,525	173,107	7,475	23,979	42,999	2,256	7,437	8,238	18,302	62,421	51,418	371,667
White	416,122	150,154	115,867	6,444	16,331	24,638	1,971	5,247	6,020	12,696	42,520	34,287	265,968
Asian/Pacific Islander	38,395	21,117	15,509	140	2,906	5,187	44	671	628	1,049	4,884	5,608	17,278
Black	40,692	13,659	11,543	126	1,307	3,267	25	337	366	1,573	4,542	2,116	27,033
Hispanic	40,347	14,543	11,181	261	1,539	2,526	69	368	435	1,592	4,391	3,362	25,804
American Indian/Alaskan Native	3,957	1,457	1,214	94	145	323	11	37	47	127	430	243	2,500
Other or unknown race/ethnicity	33,813	12,567	10,403	318	1,113	3,613	111	392	399	961	3,496	2,164	21,246
Temporary resident	22,866	11,028	7,390	92	638	3,445	25	385	343	304	2,158	3,638	11,838
	Percent												
Female	57.6	50.4	55.3	52.2	62.5	25.1	42.2	45.9	42.1	77.8	54.2	20.5	61.1
White	56.8	48.9	54.1	51.0	61.0	18.8	41.0	45.6	38.8	77.5	51.4	18.1	60.2
Asian/Pacific Islander	55.4	48.5	53.6	64.7	62.2	30.5	48.2	46.1	48.9	75.9	55.3	26.5	61.6
Black	66.8	64.1	66.9	65.0	73.8	44.9	61.5	57.0	61.8	81.4	65.7	34.1	68.0
Hispanic	61.6	56.0	60.9	58.2	65.4	28.5	47.3	45.6	50.8	78.0	60.3	24.8	64.2
American Indian/Alaskan Native	60.1	54.5	57.7	47.8	63.9	22.4	64.5	37.3	38.2	78.7	61.2	27.0	62.8
Other or unknown race/ethnicity	55.6	48.3	52.0	53.6	60.1	25.4	45.3	41.6	40.3	75.1	56.1	17.7	59.1
Temporary resident	48.2	40.6	47.3	60.9	61.1	29.1	50.0	43.5	42.0	79.3	52.1	20.0	53.7

NOTES: Race/ethnicity 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, Completions Survey, 2004.



TABLE D-2. Female S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All female S&E graduate students	163,427	168,396	170,479	177,430	188,628	198,434	202,082	206,663
Science	144,439	148,509	149,733	155,173	163,661	170,847	174,810	179,785
Agricultural sciences	4,852	5,049	5,088	5,343	5,653	6,026	6,258	6,202
Biological sciences	28,953	29,621	29,807	31,049	33,411	35,883	37,278	38,503
Anatomy	342	345	367	352	451	466	467	466
Biochemistry	2,229	2,266	2,231	2,223	2,422	2,595	2,643	2,818
Biology	7,213	7,143	7,006	7,189	7,514	8,158	8,617	8,631
Biometry/epidemiology	2,153	2,323	2,241	2,427	2,552	2,771	2,867	3,009
Biophysics	209	213	231	262	306	339	434	408
Botany	1,011	982	986	974	1,019	996	974	985
Cell/molecular biology	2,141	2,360	2,494	2,521	2,791	3,006	3,095	3,290
Ecology	830	881	916	979	1,039	1,208	1,192	1,210
Entomology/parasitology	414	406	442	480	492	537	565	520
Genetics	983	1,016	973	1,046	1,112	1,216	1,283	1,309
Microbiology, immunology, and virology	2,371	2,450	2,432	2,495	2,808	2,933	3,053	3,082
Nutrition	3,413	3,431	3,379	3,436	3,512	3,658	3,721	3,791
Pathology	804	804	829	895	906	910	911	947
Pharmacology	1,325	1,343	1,516	1,658	1,773	1,818	1,693	1,713
Physiology	886	898	882	911	994	1,144	1,229	1,255
Zoology	694	670	642	667	638	645	640	636
Other	1,935	2,090	2,240	2,534	3,082	3,483	3,894	4,433
Computer sciences	10,802	12,545	14,080	15,302	16,025	14,816	13,277	12,061
Earth, atmospheric, and ocean sciences	5,568	5,725	5,753	5,892	6,247	6,538	6,932	6,888
Atmospheric	234	242	268	298	333	374	363	388
Earth	2,315	2,400	2,455	2,483	2,613	2,764	3,059	3,043
Ocean	1,162	1,222	1,267	1,255	1,309	1,392	1,509	1,481
Other	1,857	1,861	1,763	1,856	1,992	2,008	2,001	1,976
Mathematics and statistics	5,988	6,043	5,780	6,270	6,886	7,289	7,497	7,437
Mathematics/applied mathematics	4,895	4,862	4,508	4,818	5,239	5,406	5,613	5,560
Statistics	1,093	1,181	1,272	1,452	1,647	1,883	1,884	1,877
Physical sciences	8,753	8,915	9,115	9,336	10,066	10,778	11,300	11,726
Astronomy	230	225	267	265	302	345	355	394
Chemistry	6,564	6,617	6,756	6,855	7,325	7,839	8,232	8,423
Physics	1,780	1,876	1,910	2,042	2,201	2,366	2,501	2,669
Other	179	197	182	174	238	228	212	240
Psychology	37,462	37,271	36,872	37,318	37,728	38,816	40,226	43,419
Clinical	9,173	9,285	9,283	9,399	9,467	9,955	10,623	11,012
General	11,847	11,387	11,027	11,283	10,676	10,998	11,107	12,061
Nonclinical	16,442	16,599	16,562	16,636	17,585	17,863	18,496	20,346
Social sciences	42,061	43,340	43,238	44,663	47,645	50,701	52,042	53,549
Agricultural economics	680	715	789	835	844	900	854	873
Anthropology (cultural and social)	4,556	4,644	4,685	4,562	4,617	4,870	4,973	4,924
Economics	3,464	3,499	3,765	3,995	4,268	4,508	4,485	4,254
Geography	1,663	1,703	1,627	1,801	1,843	2,028	2,008	2,013
History and philosophy of science	193	212	219	244	301	312	414	440
Linguistics	1,953	1,833	1,744	1,793	1,891	2,005	1,927	2,055
Political science and public administration	14,961	15,573	15,927	16,501	18,619	19,842	20,978	22,086
Sociology	5,696	5,739	5,580	5,732	5,768	5,901	5,794	5,800
Other	8,895	9,422	8,902	9,200	9,494	10,335	10,609	11,104
Engineering	18,988	19,887	20,746	22,257	24,967	27,587	27,272	26,878
Aerospace	382	423	469	485	516	603	600	607
Agricultural	260	269	282	300	288	315	311	323
Biomedical	853	986	1,056	1,238	1,513	1,944	2,183	2,297
Chemical	1,727	1,733	1,875	1,829	1,995	2,100	2,106	2,079
Civil	4,102	4,157	4,277	4,503	4,905	5,398	5,441	5,395
Electrical	4,872	5,133	5,536	6,212	7,270	7,794	7,201	6,788
Engineering science/physics	331	319	342	363	430	465	465	419
Industrial/manufacturing	2,452	2,659	2,713	2,808	3,076	3,266	3,230	3,287
Mechanical	1,762	1,788	1,832	1,944	2,083	2,354	2,456	2,410

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Metallurgical/materials	1,130	1,084	1,041	1,173	1,251	1,331	1,321	1,348
Mining	55	55	46	36	37	42	42	39
Nuclear	134	144	156	157	148	182	196	211
Petroleum	55	82	87	91	107	129	134	121
Other	873	1,055	1,034	1,118	1,348	1,664	1,586	1,554
U.S. citizens and permanent residents	133,389	135,431	133,688	136,696	144,260	152,431	156,068	161,178
Science	121,008	123,050	121,633	124,269	130,455	136,985	140,810	145,875
Agricultural sciences	4,006	4,194	4,241	4,406	4,641	4,988	5,167	5,115
Biological sciences	23,503	24,180	23,964	24,669	26,258	27,976	28,756	29,621
Anatomy	284	279	294	278	367	365	382	375
Biochemistry	1,596	1,604	1,511	1,463	1,600	1,681	1,692	1,783
Biology	6,192	6,166	5,979	6,060	6,242	6,767	7,075	6,988
Biometry/epidemiology	1,818	1,947	1,808	1,915	1,940	2,073	2,169	2,308
Biophysics	164	170	175	187	221	231	296	272
Botany	732	725	717	701	716	703	666	656
Cell/molecular biology	1,715	1,886	1,931	1,908	2,095	2,214	2,180	2,355
Ecology	758	807	831	895	947	1,072	1,062	1,092
Entomology/parasitology	334	322	357	395	396	432	448	412
Genetics	786	844	792	837	894	942	975	982
Microbiology, immunology, and virology	1,907	1,968	1,963	1,951	2,177	2,299	2,337	2,384
Nutrition	2,707	2,745	2,648	2,672	2,756	2,908	2,963	3,043
Pathology	671	678	698	758	752	728	750	775
Pharmacology	1,043	1,064	1,197	1,308	1,382	1,377	1,247	1,236
Physiology	702	710	693	698	770	880	966	1,008
Zoology	616	602	560	579	540	556	552	538
Other	1,478	1,663	1,810	2,064	2,463	2,748	2,996	3,414
Computer sciences	6,577	7,412	7,406	7,643	8,206	8,051	7,374	6,814
Earth, atmospheric, and ocean sciences	4,805	4,868	4,857	4,911	5,235	5,496	5,857	5,797
Atmospheric	146	137	166	192	216	267	260	274
Earth	2,021	2,069	2,100	2,098	2,181	2,287	2,557	2,529
Ocean	980	1,038	1,065	1,049	1,124	1,196	1,291	1,274
Other	1,658	1,624	1,526	1,572	1,714	1,746	1,749	1,720
Mathematics and statistics	4,205	3,982	3,661	3,927	4,379	4,533	4,808	4,759
Mathematics/applied mathematics	3,563	3,367	3,034	3,299	3,653	3,777	3,994	3,926
Statistics	642	615	627	628	726	756	814	833
Physical sciences	5,833	5,862	5,832	5,859	6,178	6,523	6,782	7,147
Astronomy	181	172	197	191	229	253	258	302
Chemistry	4,441	4,477	4,477	4,453	4,583	4,819	5,014	5,198
Physics	1,062	1,047	999	1,075	1,162	1,249	1,324	1,430
Other	149	166	159	140	204	202	186	217
Psychology	36,074	35,822	35,361	35,574	35,963	36,859	38,302	41,294
Clinical	8,923	9,005	8,977	9,065	9,094	9,565	10,292	10,623
General	11,461	10,952	10,527	10,676	10,113	10,346	10,459	11,328
Nonclinical	15,690	15,865	15,857	15,833	16,756	16,948	17,551	19,343
Social sciences	36,005	36,730	36,311	37,280	39,595	42,559	43,764	45,328
Agricultural economics	390	393	413	423	428	467	477	488
Anthropology (cultural and social)	4,169	4,196	4,220	4,141	4,157	4,414	4,483	4,449
Economics	1,808	1,719	1,815	1,835	1,938	2,075	2,018	1,844
Geography	1,454	1,466	1,383	1,508	1,523	1,691	1,673	1,684
History and philosophy of science	170	194	189	219	274	290	389	414
Linguistics	1,297	1,233	1,130	1,161	1,237	1,378	1,269	1,437
Political science and public administration	13,537	13,932	14,128	14,598	16,382	17,544	18,636	19,781
Sociology	5,098	5,074	4,857	4,947	4,985	5,108	5,044	5,032
Other	8,082	8,523	8,176	8,448	8,671	9,592	9,775	10,199
Engineering	12,381	12,381	12,055	12,427	13,805	15,446	15,258	15,303
Aerospace	224	255	282	275	300	390	377	400
Agricultural	154	164	185	196	183	191	183	177
Biomedical	663	730	766	870	1,017	1,306	1,435	1,559

TABLE D-2. Female S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Chemical	1,059	1,020	1,054	985	1,086	1,094	1,128	1,114
Civil	3,046	2,955	2,909	2,957	3,209	3,552	3,562	3,598
Electrical	2,518	2,389	2,246	2,380	2,668	2,962	2,588	2,557
Engineering science/physics	220	215	195	209	252	235	254	235
Industrial/manufacturing	1,869	2,003	1,896	1,890	2,114	2,261	2,238	2,230
Mechanical	1,153	1,141	1,051	1,117	1,164	1,366	1,437	1,408
Metallurgical/materials	677	618	581	622	668	702	690	688
Mining	51	43	32	32	30	30	33	30
Nuclear	88	87	95	88	87	115	123	143
Petroleum	15	17	40	40	40	24	33	28
Other	644	744	723	766	987	1,218	1,177	1,136
White	94,933	94,940	91,787	92,768	96,538	100,572	102,024	102,827
Science	86,767	87,076	84,161	85,167	88,479	91,680	93,166	94,146
Agricultural sciences	3,334	3,527	3,526	3,600	3,816	4,061	4,191	4,146
Biological sciences	17,454	17,808	17,677	17,846	18,968	19,749	20,027	20,420
Anatomy	221	209	229	222	259	265	252	264
Biochemistry	1,144	1,158	1,123	1,017	1,140	1,122	1,173	1,183
Biology	4,486	4,459	4,342	4,389	4,554	4,816	4,975	4,893
Biometry/epidemiology	1,199	1,326	1,179	1,256	1,301	1,370	1,406	1,439
Biophysics	111	117	121	135	161	164	210	182
Botany	605	613	612	582	567	562	506	510
Cell/molecular biology	1,272	1,364	1,353	1,296	1,389	1,433	1,421	1,485
Ecology	673	709	709	763	807	883	881	905
Entomology/parasitology	291	283	310	341	345	371	387	339
Genetics	637	627	593	623	678	695	725	742
Microbiology, immunology, and virology	1,382	1,387	1,390	1,353	1,501	1,550	1,585	1,607
Nutrition	2,100	2,124	2,074	2,009	2,086	2,138	2,112	2,153
Pathology	501	490	526	555	547	513	534	544
Pharmacology	734	737	864	901	940	941	820	818
Physiology	492	484	478	465	506	576	595	632
Zoology	533	539	497	521	486	493	485	472
Other	1,073	1,182	1,277	1,418	1,701	1,857	1,960	2,252
Computer sciences	3,198	3,521	3,629	3,778	3,962	4,039	3,854	3,627
Earth, atmospheric, and ocean sciences	4,065	4,134	4,200	4,211	4,410	4,541	4,822	4,794
Atmospheric	108	111	126	156	175	211	204	216
Earth	1,753	1,810	1,870	1,851	1,878	1,934	2,172	2,170
Ocean	829	885	921	897	954	1,002	1,072	1,063
Other	1,375	1,328	1,283	1,307	1,403	1,394	1,374	1,345
Mathematics and statistics	3,040	2,861	2,601	2,799	3,046	3,061	3,294	3,177
Mathematics/applied mathematics	2,586	2,431	2,177	2,356	2,556	2,545	2,774	2,674
Statistics	454	430	424	443	490	516	520	503
Physical sciences	4,170	4,165	4,167	4,164	4,497	4,592	4,718	5,017
Astronomy	145	146	163	154	182	199	206	237
Chemistry	3,176	3,182	3,173	3,171	3,315	3,336	3,403	3,553
Physics	759	739	741	755	863	921	981	1,058
Other	90	98	90	84	137	136	128	169
Psychology	26,707	26,072	24,442	24,553	24,655	24,900	25,083	25,714
Clinical	6,617	6,577	6,320	6,156	6,084	6,378	6,562	6,547
General	8,514	8,068	7,394	7,474	7,167	7,130	7,173	7,623
Nonclinical	11,576	11,427	10,728	10,923	11,404	11,392	11,348	11,544
Social sciences	24,799	24,988	23,919	24,216	25,125	26,737	27,177	27,251
Agricultural economics	295	309	331	331	325	369	353	350
Anthropology (cultural and social)	3,359	3,310	3,262	3,148	3,191	3,330	3,332	3,231
Economics	1,227	1,150	1,218	1,200	1,231	1,330	1,281	1,182
Geography	1,239	1,242	1,161	1,263	1,262	1,363	1,334	1,339
History and philosophy of science	149	163	158	182	197	218	295	308
Linguistics	934	901	801	830	869	929	892	987
Political science and public administration	8,645	8,763	8,550	8,690	9,479	10,012	10,464	10,784

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Sociology	3,509	3,506	3,299	3,395	3,334	3,368	3,342	3,239
Other	5,442	5,644	5,139	5,177	5,237	5,818	5,884	5,831
Engineering	8,166	7,864	7,626	7,601	8,059	8,892	8,858	8,681
Aerospace	175	198	218	210	217	279	256	272
Agricultural	114	125	128	127	129	142	143	136
Biomedical	472	508	532	562	635	792	868	911
Chemical	704	643	663	610	653	635	676	664
Civil	2,206	2,098	2,118	2,111	2,228	2,499	2,498	2,467
Electrical	1,234	1,099	981	1,011	1,028	1,036	968	907
Engineering science/physics	150	137	134	138	170	179	173	152
Industrial/manufacturing	1,272	1,315	1,211	1,162	1,249	1,323	1,261	1,212
Mechanical	791	749	687	728	743	904	924	862
Metallurgical/materials	506	443	426	449	468	482	489	482
Mining	37	33	29	29	25	27	25	22
Nuclear	71	66	69	64	63	87	84	96
Petroleum	9	13	15	10	11	12	14	14
Other	425	437	415	390	440	495	479	484
Asian/Pacific Islander	10,830	11,524	10,654	11,395	12,667	13,859	13,802	13,956
Science	8,996	9,515	8,870	9,324	10,011	10,743	10,832	11,037
Agricultural sciences	155	167	138	147	150	165	193	161
Biological sciences	2,350	2,377	2,253	2,539	2,646	2,894	3,040	3,146
Anatomy	25	29	23	29	51	45	56	41
Biochemistry	244	235	192	211	191	219	212	239
Biology	454	438	384	410	401	477	528	519
Biometry/epidemiology	246	268	290	305	328	323	343	377
Biophysics	18	29	29	35	38	43	50	54
Botany	48	48	51	55	69	66	58	53
Cell/molecular biology	244	274	262	272	305	320	332	381
Ecology	29	27	26	29	30	38	29	34
Entomology/parasitology	17	10	15	19	12	15	17	15
Genetics	66	82	56	73	81	93	90	88
Microbiology, immunology, and virology	234	216	220	244	253	276	277	272
Nutrition	212	199	168	201	196	250	260	283
Pathology	82	86	72	94	98	105	110	99
Pharmacology	149	142	151	197	200	183	169	162
Physiology	97	106	102	133	149	153	192	190
Zoology	22	18	14	15	13	17	25	21
Other	163	170	198	217	231	271	292	318
Computer sciences	1,920	2,318	2,009	1,987	2,143	1,973	1,660	1,430
Earth, atmospheric, and ocean sciences	186	192	172	170	197	200	229	218
Atmospheric	17	8	16	11	15	20	24	17
Earth	57	66	60	55	70	63	79	61
Ocean	26	36	35	30	37	31	42	38
Other	86	82	61	74	75	86	84	102
Mathematics and statistics	470	437	417	433	531	625	600	632
Mathematics/applied mathematics	369	328	307	346	412	493	439	441
Statistics	101	109	110	87	119	132	161	191
Physical sciences	610	636	573	542	531	649	683	704
Astronomy	15	13	14	15	18	17	15	17
Chemistry	485	495	473	432	411	510	536	549
Physics	96	117	76	88	93	109	121	130
Other	14	11	10	7	9	13	11	8
Psychology	1,468	1,502	1,531	1,628	1,633	1,800	1,885	2,004
Clinical	426	453	453	468	451	506	562	559
General	514	503	520	552	489	562	576	628
Nonclinical	528	546	558	608	693	732	747	817

TABLE D-2. Female S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Social sciences	1,837	1,886	1,777	1,878	2,180	2,437	2,542	2,742
Agricultural economics	25	18	13	15	20	19	29	27
Anthropology (cultural and social)	167	183	192	186	174	189	205	216
Economics	225	240	212	202	258	293	282	257
Geography	45	54	46	57	59	78	78	77
History and philosophy of science	9	9	9	10	16	17	20	20
Linguistics	133	114	78	106	135	160	128	171
Political science and public administration	632	634	680	704	855	935	1,016	1,170
Sociology	262	254	235	240	255	307	269	274
Other	339	380	312	358	408	439	515	530
Engineering	1,834	2,009	1,784	2,071	2,656	3,116	2,970	2,919
Aerospace	21	21	26	27	31	36	51	62
Agricultural	13	15	19	22	17	16	16	14
Biomedical	86	105	125	163	207	258	311	347
Chemical	148	176	165	160	204	205	183	211
Civil	313	316	238	279	298	366	375	400
Electrical	709	704	662	728	972	1,164	980	938
Engineering science/physics	44	43	19	25	43	36	43	41
Industrial/manufacturing	156	198	164	194	267	285	278	299
Mechanical	138	179	130	168	169	174	197	212
Metallurgical/materials	75	85	73	78	102	99	96	96
Mining	13	10	1	1	2	2	1	2
Nuclear	8	6	5	8	7	9	14	16
Petroleum	4	1	1	4	6	3	7	2
Other	106	150	156	214	331	463	418	279
Black	11,331	11,708	12,536	13,076	13,763	14,718	14,885	15,693
Science	10,452	10,732	11,509	12,095	12,701	13,677	13,756	14,593
Agricultural sciences	176	151	153	201	213	266	241	245
Biological sciences	1,377	1,457	1,481	1,559	1,667	1,899	2,029	2,058
Anatomy	17	19	21	14	24	22	34	29
Biochemistry	76	76	81	76	73	96	97	101
Biology	481	482	502	507	459	543	536	521
Biometry/epidemiology	118	130	118	127	139	166	193	209
Biophysics	8	8	7	7	8	8	10	10
Botany	18	14	9	13	17	14	12	13
Cell/molecular biology	67	65	76	80	92	113	123	115
Ecology	8	11	11	13	15	27	19	20
Entomology/parasitology	6	8	8	6	8	10	9	10
Genetics	34	35	32	33	40	55	53	55
Microbiology, immunology, and virology	111	124	123	121	153	173	161	171
Nutrition	169	176	167	185	200	208	245	218
Pathology	30	35	31	32	33	35	43	53
Pharmacology	85	96	91	110	119	115	126	119
Physiology	58	51	60	56	58	67	69	65
Zoology	10	11	8	5	9	6	7	6
Other	81	116	136	174	220	241	292	343
Computer sciences	591	670	668	766	835	823	707	712
Earth, atmospheric, and ocean sciences	99	101	100	102	131	140	141	152
Atmospheric	3	4	9	7	10	12	14	13
Earth	24	31	24	25	27	35	43	43
Ocean	15	14	14	15	23	26	22	27
Other	57	52	53	55	71	67	62	69
Mathematics and statistics	274	270	273	270	286	282	331	350
Mathematics/applied mathematics	254	248	239	241	250	243	280	300
Statistics	20	22	34	29	36	39	51	50
Physical sciences	432	402	425	413	407	431	454	482
Astronomy	3	3	4	4	4	5	6	5
Chemistry	332	318	342	341	332	349	380	396

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Physics	83	70	67	53	52	57	57	67
Other	14	11	12	15	19	20	11	14
Psychology	2,926	2,844	3,343	3,479	3,545	3,758	3,757	4,298
Clinical	560	545	593	592	633	706	724	716
General	1,137	1,052	1,137	1,166	1,188	1,209	1,184	1,334
Nonclinical	1,229	1,247	1,613	1,721	1,724	1,843	1,849	2,248
Social sciences	4,577	4,837	5,066	5,305	5,617	6,078	6,096	6,296
Agricultural economics	25	35	38	35	41	38	28	38
Anthropology (cultural and social)	184	209	196	216	189	215	216	225
Economics	126	133	155	151	137	154	158	141
Geography	43	44	39	53	57	80	85	83
History and philosophy of science	4	7	6	9	11	9	10	20
Linguistics	32	36	31	32	27	35	31	43
Political science and public administration	2,339	2,530	2,628	2,796	3,042	3,239	3,260	3,323
Sociology	727	688	659	685	709	737	735	775
Other	1,097	1,155	1,314	1,328	1,404	1,571	1,573	1,648
Engineering	879	976	1,027	981	1,062	1,041	1,129	1,100
Aerospace	7	8	8	4	6	9	14	15
Agricultural	12	7	11	18	16	16	14	12
Biomedical	42	49	58	60	74	88	113	103
Chemical	80	79	79	89	81	78	74	60
Civil	133	173	178	158	182	155	162	161
Electrical	194	200	201	192	201	183	194	189
Engineering science/physics	7	7	13	10	7	6	12	10
Industrial/manufacturing	208	232	247	242	264	266	273	282
Mechanical	104	88	104	81	79	86	91	90
Metallurgical/materials	31	43	43	46	51	51	48	49
Mining	0	0	1	0	0	0	0	0
Nuclear	4	8	11	6	6	8	12	13
Petroleum	0	0	0	1	0	1	4	4
Other	57	82	73	74	95	94	118	112
Hispanic	7,645	8,324	8,935	9,460	10,446	11,061	11,675	12,532
Science	6,958	7,622	8,197	8,618	9,485	10,004	10,576	11,435
Agricultural sciences	180	213	217	215	209	239	257	263
Biological sciences	1,129	1,217	1,220	1,329	1,465	1,612	1,746	1,827
Anatomy	4	11	10	8	14	16	21	18
Biochemistry	69	70	70	84	88	110	108	126
Biology	376	358	378	387	437	454	488	505
Biometry/epidemiology	110	117	113	103	99	118	119	114
Biophysics	1	2	2	3	3	6	9	10
Botany	28	25	16	19	24	18	41	28
Cell/molecular biology	60	77	89	97	123	129	129	159
Ecology	20	26	33	40	37	34	39	40
Entomology/parasitology	8	11	13	18	19	25	20	25
Genetics	28	34	33	44	39	37	34	33
Microbiology, immunology, and virology	103	107	107	120	139	155	173	189
Nutrition	145	155	127	134	147	164	191	166
Pathology	23	28	29	36	34	33	28	31
Pharmacology	45	52	62	63	73	79	75	78
Physiology	27	40	26	26	28	36	53	59
Zoology	18	10	12	13	8	10	14	16
Other	64	94	100	134	153	188	204	230
Computer sciences	195	212	246	244	271	286	285	273
Earth, atmospheric, and ocean sciences	168	200	169	201	222	261	302	281
Atmospheric	2	3	4	7	6	8	12	12
Earth	54	70	56	78	81	100	111	105
Ocean	60	70	59	65	71	86	91	82
Other	52	57	50	51	64	67	88	82

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Mathematics and statistics	178	177	150	160	207	223	230	215
Mathematics/applied mathematics	153	158	136	147	187	196	203	196
Statistics	25	19	14	13	20	27	27	19
Physical sciences	307	346	337	357	376	416	489	489
Astronomy	2	3	3	5	8	11	13	15
Chemistry	247	289	287	292	307	339	396	393
Physics	43	41	40	58	53	60	71	69
Other	15	13	7	2	8	6	9	12
Psychology	2,347	2,610	3,106	3,261	3,527	3,549	3,668	3,941
Clinical	858	922	1,080	1,159	1,228	1,245	1,370	1,382
General	635	653	705	726	659	719	751	876
Nonclinical	854	1,035	1,321	1,376	1,640	1,585	1,547	1,683
Social sciences	2,454	2,647	2,752	2,851	3,208	3,418	3,599	4,146
Agricultural economics	21	17	16	18	13	18	23	26
Anthropology (cultural and social)	195	198	220	224	243	260	293	299
Economics	98	88	78	102	118	134	123	111
Geography	34	47	46	48	52	64	65	67
History and philosophy of science	4	8	6	6	18	16	26	31
Linguistics	117	100	103	93	95	93	85	108
Political science and public administration	1,087	1,187	1,294	1,291	1,530	1,582	1,761	1,991
Sociology	359	379	373	366	394	407	375	390
Other	539	623	616	703	745	844	848	1,123
Engineering	687	702	738	842	961	1,057	1,099	1,097
Aerospace	9	10	13	17	23	26	22	16
Agricultural	5	5	12	17	14	8	4	10
Biomedical	27	35	28	31	36	57	64	75
Chemical	65	54	69	72	84	106	117	110
Civil	219	203	236	239	274	282	282	293
Electrical	120	138	99	142	175	204	184	208
Engineering science/physics	12	15	10	11	8	5	6	7
Industrial/manufacturing	117	135	141	167	175	179	211	187
Mechanical	57	52	49	65	83	96	114	108
Metallurgical/materials	30	26	24	26	28	38	31	32
Mining	0	0	1	2	2	0	5	4
Nuclear	4	5	8	9	9	7	7	10
Petroleum	1	2	16	17	11	6	6	6
Other	21	22	32	27	39	43	46	31
American Indian/Alaska Native	810	809	868	875	924	989	1,010	1,165
Science	747	742	798	810	855	904	932	990
Agricultural sciences	26	23	22	23	40	39	47	45
Biological sciences	103	106	110	110	123	147	157	164
Anatomy	2	2	1	0	1	3	2	1
Biochemistry	4	4	3	6	3	6	7	5
Biology	27	32	36	25	28	34	32	39
Biometry/epidemiology	5	5	9	9	10	13	13	10
Biophysics	1	1	1	1	1	0	3	1
Botany	2	4	3	5	6	6	6	4
Cell/molecular biology	7	8	11	10	10	11	12	15
Ecology	3	2	3	5	4	6	9	8
Entomology/parasitology	2	1	1	1	1	1	3	5
Genetics	3	3	5	6	6	8	10	6
Microbiology, immunology, and virology	9	4	5	3	10	5	9	9
Nutrition	13	13	12	15	13	12	7	13
Pathology	3	1	1	2	0	2	5	7
Pharmacology	4	10	4	3	7	8	11	9
Physiology	5	5	2	4	7	8	9	9
Zoology	3	3	4	3	3	4	4	4
Other	10	8	9	12	13	20	15	19

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Computer sciences	24	24	30	29	31	36	30	33
Earth, atmospheric, and ocean sciences	40	31	28	33	36	33	27	31
Atmospheric	0	0	0	1	0	0	0	0
Earth	18	13	10	15	18	12	11	13
Ocean	7	5	4	6	6	6	9	9
Other	15	13	14	11	12	15	7	9
Mathematics and statistics	18	18	10	16	6	7	13	15
Mathematics/applied mathematics	15	15	6	14	6	7	13	13
Statistics	3	3	4	2	0	0	0	2
Physical sciences	23	29	21	27	28	25	28	34
Astronomy	1	1	0	0	1	2	2	4
Chemistry	18	23	18	23	20	18	20	21
Physics	4	5	3	4	7	5	5	7
Other	0	0	0	0	0	0	1	2
Psychology	224	212	257	251	237	229	235	243
Clinical	84	63	72	69	73	75	61	57
General	68	70	87	80	73	71	79	77
Nonclinical	72	79	98	102	91	83	95	109
Social sciences	289	299	320	321	354	388	395	425
Agricultural economics	3	1	1	0	2	2	15	15
Anthropology (cultural and social)	70	60	60	56	52	64	66	78
Economics	5	9	11	9	12	15	17	9
Geography	5	5	7	10	7	4	11	14
History and philosophy of science	0	1	2	2	1	2	3	4
Linguistics	7	10	8	9	8	10	9	6
Political science and public administration	84	91	90	99	119	133	138	147
Sociology	45	40	48	41	39	39	31	35
Other	70	82	93	95	114	119	105	117
Engineering	63	67	70	65	69	85	78	175
Aerospace	0	0	2	2	2	4	3	2
Agricultural	2	0	2	2	2	2	0	1
Biomedical	2	1	1	1	2	3	5	6
Chemical	8	5	11	8	8	6	13	7
Civil	12	13	10	14	18	23	16	14
Electrical	8	11	11	6	12	14	11	7
Engineering science/physics	1	1	2	2	3	4	5	4
Industrial/manufacturing	11	16	14	13	7	15	11	16
Mechanical	5	8	9	9	9	7	6	7
Metallurgical/materials	6	5	2	2	2	2	0	0
Mining	0	0	0	0	1	1	0	0
Nuclear	1	1	1	0	0	0	0	0
Petroleum	0	0	0	0	0	0	0	0
Other	7	6	5	6	3	4	8	111
Other race/ethnicity	7,840	8,126	8,908	9,122	9,922	11,232	12,672	15,005
Science	7,088	7,363	8,098	8,255	8,924	9,977	11,548	13,674
Agricultural sciences	135	113	185	220	213	218	238	255
Biological sciences	1,090	1,215	1,223	1,286	1,389	1,675	1,757	2,006
Anatomy	15	9	10	5	18	14	17	22
Biochemistry	59	61	42	69	105	128	95	129
Biology	368	397	337	342	363	443	516	511
Biometry/epidemiology	140	101	99	115	63	83	95	159
Biophysics	25	13	15	6	10	10	14	15
Botany	31	21	26	27	33	37	43	48
Cell/molecular biology	65	98	140	153	176	208	163	200
Ecology	25	32	49	45	54	84	85	85
Entomology/parasitology	10	9	10	10	11	10	12	18
Genetics	18	63	73	58	50	54	63	58
Microbiology, immunology, and virology	68	130	118	110	121	140	132	136



TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Nutrition	68	78	100	128	114	136	148	210
Pathology	32	38	39	39	40	40	30	41
Pharmacology	26	27	25	34	43	51	46	50
Physiology	23	24	25	14	22	40	48	53
Zoology	30	21	25	22	21	26	17	19
Other	87	93	90	109	145	171	233	252
Computer sciences	649	667	824	839	964	894	838	739
Earth, atmospheric, and ocean sciences	247	210	188	194	239	321	336	321
Atmospheric	16	11	11	10	10	16	6	16
Earth	115	79	80	74	107	143	141	137
Ocean	43	28	32	36	33	45	55	55
Other	73	92	65	74	89	117	134	113
Mathematics and statistics	225	219	210	249	303	335	340	370
Mathematics/applied mathematics	186	187	169	195	242	293	285	302
Statistics	39	32	41	54	61	42	55	68
Physical sciences	291	284	309	356	339	410	410	421
Astronomy	15	6	13	13	16	19	16	24
Chemistry	183	170	184	194	198	267	279	286
Physics	77	75	72	117	94	97	89	99
Other	16	33	40	32	31	27	26	12
Psychology	2,402	2,582	2,682	2,402	2,366	2,623	3,674	5,094
Clinical	378	445	459	621	625	655	1,013	1,362
General	593	606	684	678	537	655	696	790
Nonclinical	1,431	1,531	1,539	1,103	1,204	1,313	1,965	2,942
Social sciences	2,049	2,073	2,477	2,709	3,111	3,501	3,955	4,468
Agricultural economics	21	13	14	24	27	21	29	32
Anthropology (cultural and social)	194	236	290	311	308	356	371	400
Economics	127	99	141	171	182	149	157	144
Geography	88	74	84	77	86	102	100	104
History and philosophy of science	4	6	8	10	31	28	35	31
Linguistics	74	72	109	91	103	151	124	122
Political science and public administration	750	727	886	1,018	1,357	1,643	1,997	2,366
Sociology	196	207	243	220	254	250	292	319
Other	595	639	702	787	763	801	850	950
Engineering	752	763	810	867	998	1,255	1,124	1,331
Aerospace	12	18	15	15	21	36	31	33
Agricultural	8	12	13	10	5	7	6	4
Biomedical	34	32	22	53	63	108	74	117
Chemical	54	63	67	46	56	64	65	62
Civil	163	152	129	156	209	227	229	263
Electrical	253	237	292	301	280	361	251	308
Engineering science/physics	6	12	17	23	21	5	15	21
Industrial/manufacturing	105	107	119	112	152	193	204	234
Mechanical	58	65	72	66	81	99	105	129
Metallurgical/materials	29	16	13	21	17	30	26	29
Mining	1	0	0	0	0	0	2	2
Nuclear	0	1	1	1	2	4	6	8
Petroleum	1	1	8	8	12	2	2	2
Other	28	47	42	55	79	119	108	119
Temporary residents	30,038	32,965	36,791	40,734	44,368	46,003	46,014	45,485
Science	23,431	25,459	28,100	30,904	33,206	33,862	34,000	33,910
Agricultural sciences	846	855	847	937	1,012	1,038	1,091	1,087
Biological sciences	5,450	5,441	5,843	6,380	7,153	7,907	8,522	8,882
Anatomy	58	66	73	74	84	101	85	91
Biochemistry	633	662	720	760	822	914	951	1,035
Biology	1,021	977	1,027	1,129	1,272	1,391	1,542	1,643
Biometry/epidemiology	335	376	433	512	612	698	698	701
Biophysics	45	43	56	75	85	108	138	136

TABLE D-2. Female S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Botany	279	257	269	273	303	293	308	329
Cell/molecular biology	426	474	563	613	696	792	915	935
Ecology	72	74	85	84	92	136	130	118
Entomology/parasitology	80	84	85	85	96	105	117	108
Genetics	197	172	181	209	218	274	308	327
Microbiology, immunology, and virology	464	482	469	544	631	634	716	698
Nutrition	706	686	731	764	756	750	758	748
Pathology	133	126	131	137	154	182	161	172
Pharmacology	282	279	319	350	391	441	446	477
Physiology	184	188	189	213	224	264	263	247
Zoology	78	68	82	88	98	89	88	98
Other	457	427	430	470	619	735	898	1,019
Computer sciences	4,225	5,133	6,674	7,659	7,819	6,765	5,903	5,247
Earth, atmospheric, and ocean sciences	763	857	896	981	1,012	1,042	1,075	1,091
Atmospheric	88	105	102	106	117	107	103	114
Earth	294	331	355	385	432	477	502	514
Ocean	182	184	202	206	185	196	218	207
Other	199	237	237	284	278	262	252	256
Mathematics and statistics	1,783	2,061	2,119	2,343	2,507	2,756	2,689	2,678
Mathematics/applied mathematics	1,332	1,495	1,474	1,519	1,586	1,629	1,619	1,634
Statistics	451	566	645	824	921	1,127	1,070	1,044
Physical sciences	2,920	3,053	3,283	3,477	3,888	4,255	4,518	4,579
Astronomy	49	53	70	74	73	92	97	92
Chemistry	2,123	2,140	2,279	2,402	2,742	3,020	3,218	3,225
Physics	718	829	911	967	1,039	1,117	1,177	1,239
Other	30	31	23	34	34	26	26	23
Psychology	1,388	1,449	1,511	1,744	1,765	1,957	1,924	2,125
Clinical	250	280	306	334	373	390	331	389
General	386	435	500	607	563	652	648	733
Nonclinical	752	734	705	803	829	915	945	1,003
Social sciences	6,056	6,610	6,927	7,383	8,050	8,142	8,278	8,221
Agricultural economics	290	322	376	412	416	433	377	385
Anthropology (cultural and social)	387	448	465	421	460	456	490	475
Economics	1,656	1,780	1,950	2,160	2,330	2,433	2,467	2,410
Geography	209	237	244	293	320	337	335	329
History and philosophy of science	23	18	30	25	27	22	25	26
Linguistics	656	600	614	632	654	627	658	618
Political science and public administration	1,424	1,641	1,799	1,903	2,237	2,298	2,342	2,305
Sociology	598	665	723	785	783	793	750	768
Other	813	899	726	752	823	743	834	905
Engineering	6,607	7,506	8,691	9,830	11,162	12,141	12,014	11,575
Aerospace	158	168	187	210	216	213	223	207
Agricultural	106	105	97	104	105	124	128	146
Biomedical	190	256	290	368	496	638	748	738
Chemical	668	713	821	844	909	1,006	978	965
Civil	1,056	1,202	1,368	1,546	1,696	1,846	1,879	1,797
Electrical	2,354	2,744	3,290	3,832	4,602	4,832	4,613	4,231
Engineering science/physics	111	104	147	154	178	230	211	184
Industrial/manufacturing	583	656	817	918	962	1,005	992	1,057
Mechanical	609	647	781	827	919	988	1,019	1,002
Metallurgical/materials	453	466	460	551	583	629	631	660
Mining	4	12	14	4	7	12	9	9
Nuclear	46	57	61	69	61	67	73	68
Petroleum	40	65	47	51	67	105	101	93
Other	229	311	311	352	361	446	409	418

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1998–2005.

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2005

Field	All institutions			HBCUs			Black students in HBCUs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
S&E	25,346	15,693	9,653	4,217	2,713	1,504	16.6	17.3	15.6
Science	21,876	14,593	7,283	3,823	2,593	1,230	17.5	17.8	16.9
Agricultural sciences	417	245	172	185	109	76	44.4	44.5	44.2
Biological sciences	2,980	2,058	922	539	366	173	18.1	17.8	18.8
Anatomy	48	29	19	10	6	4	20.8	20.7	21.1
Biochemistry	169	101	68	22	15	7	13.0	14.9	10.3
Biology	791	521	270	255	181	74	32.2	34.7	27.4
Biometry and epidemiology	282	209	73	0	0	0	0.0	0.0	0.0
Biophysics	24	10	14	0	0	0	0.0	0.0	0.0
Botany	17	13	4	0	0	0	0.0	0.0	0.0
Cell and molecular biology	176	115	61	0	0	0	0.0	0.0	0.0
Ecology	28	20	8	0	0	0	0.0	0.0	0.0
Entomology and parasitology	14	10	4	0	0	0	0.0	0.0	0.0
Genetics	70	55	15	22	16	6	31.4	29.1	40.0
Microbiology, immunology, and virology	255	171	84	42	28	14	16.5	16.4	16.7
Nutrition	270	218	52	80	60	20	29.6	27.5	38.5
Pathology	67	53	14	0	0	0	0.0	0.0	0.0
Pharmacology	184	119	65	37	19	18	20.1	16.0	27.7
Physiology	97	65	32	20	11	9	20.6	16.9	28.1
Zoology	12	6	6	0	0	0	0.0	0.0	0.0
Other	476	343	133	51	30	21	10.7	8.7	15.8
Computer sciences	1,761	712	1,049	193	82	111	11.0	11.5	10.6
Earth, atmospheric, and ocean sciences	262	152	110	57	30	27	21.8	19.7	24.5
Atmospheric	30	13	17	14	6	8	46.7	46.2	47.1
Earth	82	43	39	0	0	0	0.0	0.0	0.0
Ocean	37	27	10	0	0	0	0.0	0.0	0.0
Other	113	69	44	43	24	19	38.1	34.8	43.2
Mathematics and statistics	721	350	371	125	65	60	17.3	18.6	16.2
Mathematics/applied mathematics	617	300	317	125	65	60	20.3	21.7	18.9
Statistics	104	50	54	0	0	0	0.0	0.0	0.0
Physical sciences	1,008	482	526	226	110	116	22.4	22.8	22.1
Astronomy	10	5	5	0	0	0	0.0	0.0	0.0
Chemistry	694	396	298	123	79	44	17.7	19.9	14.8
Physics	272	67	205	103	31	72	37.9	46.3	35.1
Other	32	14	18	0	0	0	0.0	0.0	0.0
Psychology	5,251	4,298	953	912	770	142	17.4	17.9	14.9
Clinical	874	716	158	0	0	0	0.0	0.0	0.0
General	1,682	1,334	348	434	367	67	25.8	27.5	19.3
Nonclinical	2,695	2,248	447	478	403	75	17.7	17.9	16.8
Social sciences	9,476	6,296	3,180	1,586	1,061	525	16.7	16.9	16.5
Agricultural economics	65	38	27	14	8	6	21.5	21.1	22.2
Anthropology (cultural and social)	277	225	52	0	0	0	0.0	0.0	0.0
Economics	319	141	178	15	7	8	4.7	5.0	4.5
Geography	160	83	77	0	0	0	0.0	0.0	0.0
History and philosophy of science	42	20	22	1	1	0	2.4	5.0	0.0
Linguistics	64	43	21	0	0	0	0.0	0.0	0.0
Political science and public administration	5,000	3,323	1,677	846	562	284	16.9	16.9	16.9
Sociology	1,086	775	311	178	130	48	16.4	16.8	15.4
Other	2,463	1,648	815	532	353	179	21.6	21.4	22.0
Engineering	3,470	1,100	2,370	394	120	274	11.4	10.9	11.6
Aerospace	73	15	58	0	0	0	0.0	0.0	0.0
Agricultural	25	12	13	0	0	0	0.0	0.0	0.0
Biomedical	192	103	89	0	0	0	0.0	0.0	0.0
Chemical	146	60	86	5	1	4	3.4	1.7	4.7
Civil	456	161	295	57	28	29	12.5	17.4	9.8
Electrical	843	189	654	59	14	45	7.0	7.4	6.9
Engineering sciences/physics	36	10	26	0	0	0	0.0	0.0	0.0

TABLE D-6. Black U.S.-citizen and permanent-resident S&E graduate students in all institutions and HBCUs, by field and sex: 2005

Field	All institutions			HBCUs			Black students in HBCUs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
Industrial/manufacturing	764	282	482	53	22	31	6.9	7.8	6.4
Mechanical	411	90	321	45	3	42	10.9	3.3	13.1
Metallurgical and materials	102	49	53	9	3	6	8.8	6.1	11.3
Mining	3	0	3	0	0	0	0.0	0.0	0.0
Nuclear	21	13	8	0	0	0	0.0	0.0	0.0
Petroleum	31	4	27	0	0	0	0.0	0.0	0.0
Other	367	112	255	166	49	117	45.2	43.8	45.9

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, 2005.

TABLE D-7. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HSIs, by field and sex: 2003

Field	All institutions			HSIs			Hispanic students in HSIs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
S&E	21,264	11,070	10,194	5,400	2,899	2,501	25.4	26.2	24.5
Science	17,288	10,014	7,274	4,409	2,625	1,784	25.5	26.2	24.5
Agricultural sciences	496	240	256	200	102	98	40.3	42.5	38.3
Biological sciences	2,849	1,622	1,227	734	449	285	25.8	27.7	23.2
Anatomy	42	16	26	6	2	4	14.3	12.5	15.4
Biochemistry	229	110	119	34	15	19	14.8	13.6	16.0
Biology	806	454	352	427	248	179	53.0	54.6	50.9
Biometry and epidemiology	196	118	78	73	52	21	37.2	44.1	26.9
Biophysics	28	6	22	0	0	0	0.0	0.0	0.0
Botany	38	18	20	0	0	0	0.0	0.0	0.0
Cell and molecular biology	225	129	96	15	8	7	6.7	6.2	7.3
Ecology	61	37	24	0	0	0	0.0	0.0	0.0
Entomology and parasitology	41	25	16	0	0	0	0.0	0.0	0.0
Genetics	61	37	24	0	0	0	0.0	0.0	0.0
Microbiology, immunology, and virology	286	163	123	35	24	11	12.2	14.7	8.9
Nutrition	201	164	37	61	50	11	30.3	30.5	29.7
Pathology	63	33	30	6	5	1	9.5	15.2	3.3
Pharmacology	134	79	55	17	12	5	12.7	15.2	9.1
Physiology	81	36	45	15	9	6	18.5	25.0	13.3
Zoology	32	10	22	0	0	0	0.0	0.0	0.0
Other	325	187	138	45	24	21	13.8	12.8	15.2
Computer sciences	1,099	285	814	149	38	111	13.6	13.3	13.6
Earth, atmospheric, and ocean sciences	484	261	223	164	81	83	33.9	31.0	37.2
Atmospheric	21	8	13	0	0	0	0.0	0.0	0.0
Earth	187	100	87	43	20	23	23.0	20.0	26.4
Ocean	158	86	72	90	46	44	57.0	53.5	61.1
Other	118	67	51	31	15	16	26.3	22.4	31.4
Mathematics and statistics	604	223	381	197	74	123	32.6	33.2	32.3
Mathematics/applied mathematics	538	196	342	188	71	117	34.9	36.2	34.2
Statistics	66	27	39	9	3	6	13.6	11.1	15.4
Physical sciences	1,097	417	680	324	151	173	29.5	36.2	25.4
Astronomy	25	11	14	1	0	1	4.0	0.0	7.1
Chemistry	750	339	411	233	131	102	31.1	38.6	24.8
Physics	300	61	239	84	20	64	28.0	32.8	26.8
Other	22	6	16	6	0	6	27.3	0.0	37.5
Psychology	4,682	3,551	1,131	863	647	216	18.4	18.2	19.1
Clinical	1,631	1,252	379	160	116	44	9.8	9.3	11.6
General	985	716	269	221	160	61	22.4	22.3	22.7
Nonclinical	2,066	1,583	483	482	371	111	23.3	23.4	23.0
Social sciences	5,977	3,415	2,562	1,778	1,083	695	29.7	31.7	27.1
Agricultural economics	42	18	24	9	5	4	21.4	27.8	16.7
Anthropology (cultural and social)	435	260	175	49	29	20	11.3	11.2	11.4
Economics	369	134	235	95	34	61	25.7	25.4	26.0
Geography	150	64	86	21	8	13	14.0	12.5	15.1
History and philosophy of science	38	16	22	29	12	17	76.3	75.0	77.3
Linguistics	136	93	43	48	34	14	35.3	36.6	32.6
Political science and public administration	2,746	1,581	1,165	951	605	346	34.6	38.3	29.7
Sociology	664	407	257	159	101	58	23.9	24.8	22.6
Other	1,397	842	555	417	255	162	29.8	30.3	29.2
Engineering	3,976	1,056	2,920	991	274	717	24.9	25.9	24.6
Aerospace	119	26	93	0	0	0	0.0	0.0	0.0
Agricultural	14	8	6	0	0	0	0.0	0.0	0.0
Biomedical	155	57	98	22	5	17	14.2	8.8	17.3
Chemical	249	106	143	63	29	34	25.3	27.4	23.8
Civil	845	282	563	294	86	208	34.8	30.5	36.9
Electrical	1,093	204	889	310	74	236	28.4	36.3	26.5
Engineering sciences/physics	49	5	44	0	0	0	0.0	0.0	0.0

TABLE D-7. Hispanic U.S.-citizen and permanent-resident S&E graduate students in all institutions and HSIs, by field and sex: 2003

Field	All institutions			HSIs			Hispanic students in HSIs		
	Both sexes	Female	Male	Both sexes	Female	Male	Both sexes	Female	Male
	Number						Percent		
Industrial/manufacturing	561	178	383	144	56	88	25.7	31.5	23.0
Mechanical	537	96	441	125	13	112	23.3	13.5	25.4
Metallurgical and materials	97	37	60	5	2	3	5.2	5.4	5.0
Mining	3	0	3	0	0	0	0.0	0.0	0.0
Nuclear	31	7	24	6	1	5	19.4	14.3	20.8
Petroleum	13	6	7	0	0	0	0.0	0.0	0.0
Other	210	44	166	22	8	14	10.5	18.2	8.4

HSIs = Hispanic-serving institutions

NOTE: Data in this table do not match data for 2003 in other tables in this section because schools revised data for previous years. Data for later years are not available.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2003.

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
All fields	228,572	239,497	246,810	265,026	273,639	283,035	300,845	328,202	337,818
S&E	37,453	38,262	38,583	41,470	43,393	43,472	46,711	51,672	53,051
Sciences	32,701	33,567	33,420	36,130	37,765	37,898	40,527	44,537	45,444
Agricultural sciences	1,707	1,695	1,709	1,819	1,837	1,997	2,059	2,256	2,220
Biological sciences	3,341	3,518	3,354	3,510	3,755	3,669	4,018	4,487	4,870
Computer sciences	2,850	2,979	3,414	4,868	5,508	5,499	6,091	6,195	5,078
Earth, atmospheric, and ocean sciences	436	487	494	513	564	572	612	701	712
Atmospheric sciences	35	42	52	37	40	46	55	67	70
Earth sciences	347	393	397	434	472	473	501	566	577
Ocean sciences	54	52	45	42	52	53	56	68	65
Mathematics and statistics	1,506	1,489	1,470	1,498	1,389	1,471	1,677	1,950	2,011
Physical sciences	1,450	1,333	1,440	1,215	1,301	1,326	1,324	1,513	1,529
Astronomy	27	32	30	25	36	27	42	53	62
Chemistry	998	927	998	823	825	852	829	950	939
Physics	301	255	255	244	286	286	313	413	427
Other	124	119	157	123	154	161	140	97	101
Psychology	9,373	9,918	9,540	10,293	10,858	10,672	11,100	11,950	12,632
Social sciences	12,038	12,148	11,999	12,414	12,553	12,692	13,646	15,485	16,392
Anthropology	631	712	686	587	689	642	655	721	737
Area and ethnic studies	856	845	842	879	896	879	888	961	988
Economics	1,002	953	944	952	973	1,050	1,161	1,252	1,391
History of science	4	7	7	6	10	17	10	14	12
Linguistics	393	418	389	407	380	360	380	410	433
Political science and public administration	6,654	6,691	6,566	6,720	6,841	6,978	7,723	8,828	9,756
Sociology	1,180	1,142	1,118	1,387	1,258	1,315	1,296	1,358	1,033
Other	1,318	1,380	1,447	1,476	1,506	1,451	1,533	1,941	2,042
Engineering	4,752	4,695	5,163	5,340	5,628	5,574	6,184	7,135	7,607
Aerospace engineering	92	75	81	76	90	125	107	149	164
Chemical engineering	306	332	344	344	352	335	343	417	425
Civil engineering	1,064	1,099	1,154	1,075	1,061	1,063	1,148	1,211	1,322
Electrical engineering	1,196	1,144	1,376	1,558	1,673	1,561	1,902	2,385	2,470
Industrial engineering	624	604	676	648	789	795	844	906	919
Materials engineering	175	174	170	201	173	171	183	199	204
Mechanical engineering	454	419	461	455	448	468	459	563	598
Other	841	848	901	983	1,042	1,056	1,198	1,305	1,505
Non-S&E	191,119	201,235	208,227	223,556	230,246	239,563	254,134	276,530	284,767
U.S. citizen/permanent resident									
All fields	210,372	220,221	226,085	242,244	248,590	256,938	272,030	298,321	307,845
S&E	31,300	31,983	31,669	33,169	34,334	34,383	36,238	40,335	42,036
Sciences	27,940	28,737	28,229	29,856	30,961	30,941	32,702	36,357	37,743
Agricultural sciences	1,447	1,448	1,466	1,601	1,611	1,751	1,804	1,932	1,931
Biological sciences	2,810	3,010	2,850	3,051	3,248	3,177	3,431	3,829	4,125
Computer sciences	1,853	1,867	2,020	2,546	2,774	2,871	3,124	3,461	2,853
Earth, atmospheric, and ocean sciences	374	421	443	456	495	497	544	603	614
Atmospheric sciences	20	32	37	22	28	33	38	50	52
Earth sciences	311	341	364	396	420	419	453	496	506
Ocean sciences	43	48	42	38	47	45	53	57	56
Mathematics and statistics	1,147	1,142	1,100	1,011	888	936	966	1,103	1,211
Physical sciences	964	894	972	832	893	913	944	1,021	1,058
Astronomy	23	28	27	20	28	21	33	38	55
Chemistry	631	602	646	551	559	567	593	635	639

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Physics	195	158	151	151	163	173	181	260	272
Other	115	106	148	110	143	152	137	88	92
Psychology	9,070	9,641	9,193	9,947	10,521	10,325	10,585	11,488	12,147
Social sciences	10,275	10,314	10,185	10,412	10,531	10,471	11,304	12,920	13,804
Anthropology	573	658	634	530	628	582	615	652	694
Area and ethnic studies	779	731	734	736	756	728	738	812	834
Economics	518	486	454	439	434	458	497	557	676
History of science	4	7	6	4	7	16	8	11	8
Linguistics	284	312	293	273	272	244	255	282	299
Political science and public administration	5,812	5,817	5,687	5,837	5,925	5,975	6,640	7,623	8,499
Sociology	1,075	1,035	1,044	1,252	1,165	1,180	1,162	1,211	920
Other	1,230	1,268	1,333	1,341	1,344	1,288	1,389	1,772	1,874
Engineering	3,360	3,246	3,440	3,313	3,373	3,442	3,536	3,978	4,293
Aerospace engineering	72	60	58	51	60	78	67	114	119
Chemical engineering	202	200	219	201	208	192	190	219	226
Civil engineering	836	877	898	819	787	758	787	835	914
Electrical engineering	691	614	688	690	642	715	720	874	868
Industrial engineering	445	431	470	402	507	501	519	580	614
Materials engineering	118	113	110	130	105	110	106	115	128
Mechanical engineering	341	321	345	299	311	323	287	364	389
Other	655	630	652	721	753	765	860	877	1,035
Non-S&E	179,072	188,238	194,416	209,075	214,256	222,555	235,792	257,986	265,809
White									
All fields	165,154	170,411	173,498	179,311	179,684	182,078	188,555	201,469	207,943
S&E	23,175	23,213	22,717	22,749	22,792	22,558	23,336	25,546	26,385
Sciences	20,985	21,108	20,496	20,712	20,751	20,462	21,265	23,284	23,993
Agricultural sciences	1,238	1,211	1,251	1,350	1,328	1,453	1,483	1,580	1,542
Biological sciences	2,165	2,275	2,196	2,278	2,381	2,324	2,471	2,709	2,889
Computer sciences	1,015	965	1,027	1,162	1,163	1,255	1,308	1,396	1,254
Earth, atmospheric, and ocean sciences	331	378	391	410	422	439	473	521	523
Atmospheric sciences	19	25	27	20	23	27	33	43	46
Earth sciences	275	309	329	355	365	371	394	429	426
Ocean sciences	37	44	35	35	34	41	46	49	51
Mathematics and statistics	864	860	815	753	652	683	713	775	829
Physical sciences	707	623	694	597	645	628	673	738	763
Astronomy	19	25	25	17	22	16	23	24	44
Chemistry	439	391	431	367	375	366	396	442	432
Physics	150	112	117	117	126	114	134	196	206
Other	99	95	121	96	122	132	120	76	81
Psychology	7,181	7,557	7,049	7,240	7,343	7,019	7,097	7,670	7,920
Social sciences	7,484	7,239	7,073	6,922	6,817	6,661	7,047	7,895	8,273
Anthropology	471	553	523	413	493	438	472	491	520
Area and ethnic studies	535	508	507	490	451	424	387	481	448
Economics	379	332	318	289	314	324	285	324	389
History of science	4	5	6	4	7	10	4	7	6
Linguistics	224	232	217	210	194	188	186	205	206
Political science and public administration	4,144	3,893	3,745	3,702	3,620	3,588	3,963	4,456	4,921
Sociology	772	757	753	851	788	800	794	790	586
Other	955	959	1,004	963	950	889	956	1,141	1,197
Engineering	2,190	2,105	2,221	2,037	2,041	2,096	2,071	2,262	2,392
Aerospace engineering	52	42	46	39	39	59	58	83	92
Chemical engineering	136	123	131	127	113	107	113	125	124
Civil engineering	605	648	672	593	564	545	543	584	614
Electrical engineering	340	307	299	285	276	314	289	313	278



TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Industrial engineering	303	280	310	233	284	282	281	323	296
Materials engineering	85	74	75	89	75	74	72	69	81
Mechanical engineering	233	214	235	204	199	217	183	239	267
Other	436	417	453	467	491	498	532	526	640
Non-S&E	141,979	147,198	150,781	156,562	156,892	159,520	165,219	175,923	181,558
Asian/Pacific Islander									
All fields	8,404	9,327	10,298	11,307	11,802	12,292	13,251	14,639	15,713
S&E	2,428	2,575	2,678	3,045	3,033	3,001	3,318	3,735	3,948
Sciences	1,807	2,014	2,050	2,385	2,406	2,425	2,651	2,932	3,030
Agricultural sciences	61	72	40	58	63	84	63	68	76
Biological sciences	286	324	294	304	305	304	371	429	438
Computer sciences	473	530	629	860	860	812	877	939	830
Earth, atmospheric, and ocean sciences	13	15	18	10	12	16	15	20	17
Atmospheric sciences	1	2	6	2	1	4	1	2	2
Earth sciences	10	12	9	8	8	10	12	15	14
Ocean sciences	2	1	3	0	3	2	2	3	1
Mathematics and statistics	101	116	105	94	104	99	107	147	174
Physical sciences	123	125	110	98	94	98	100	84	106
Astronomy	2	0	1	2	2	2	2	4	4
Chemistry	103	106	93	79	77	71	79	57	77
Physics	16	17	11	12	10	17	13	22	20
Other	2	2	5	5	5	8	6	1	5
Psychology	244	279	289	365	372	411	418	446	455
Social sciences	506	553	565	596	596	601	700	799	934
Anthropology	18	15	23	28	29	28	25	33	30
Area and ethnic studies	51	56	54	53	62	56	74	61	80
Economics	53	69	49	67	40	51	71	71	103
History of science	0	0	0	0	0	2	2	3	0
Linguistics	29	27	33	31	34	21	26	27	31
Political science and public administration	275	278	309	304	327	328	374	443	548
Sociology	36	48	44	45	41	60	72	83	54
Other	44	60	53	68	63	55	56	78	88
Engineering	621	561	628	660	627	576	667	803	918
Aerospace engineering	7	7	4	7	8	6	3	11	10
Chemical engineering	28	28	42	34	46	38	32	50	31
Civil engineering	117	123	105	99	84	76	90	97	119
Electrical engineering	224	195	264	277	239	210	263	349	394
Industrial engineering	42	43	39	45	66	56	73	73	118
Materials engineering	18	20	21	21	17	16	21	24	18
Mechanical engineering	59	50	50	42	46	56	47	52	55
Other	126	95	103	135	121	118	138	147	173
Non-S&E	5,976	6,752	7,620	8,262	8,769	9,291	9,933	10,904	11,765
Black									
All fields	16,590	18,504	19,509	22,996	24,658	26,011	28,314	31,789	33,687
S&E	2,520	2,887	2,828	3,294	3,855	3,855	4,247	4,808	4,916
Sciences	2,310	2,662	2,584	3,087	3,609	3,590	3,966	4,524	4,634
Agricultural sciences	39	40	59	47	51	49	65	59	59
Biological sciences	122	167	122	150	221	200	190	270	279
Computer sciences	201	182	162	255	309	294	364	405	288
Earth, atmospheric, and ocean sciences	5	5	5	5	10	6	9	12	7
Atmospheric sciences	0	1	1	0	1	0	0	2	1

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Earth sciences	4	4	4	4	8	6	9	8	5
Ocean sciences	1	0	0	1	1	0	0	2	1
Mathematics and statistics	71	79	77	52	48	64	49	52	60
Physical sciences	52	65	60	54	59	65	52	67	54
Astronomy	1	1	0	0	0	0	1	0	2
Chemistry	35	45	37	40	42	47	40	54	38
Physics	12	13	10	9	13	12	9	10	11
Other	4	6	13	5	4	6	2	3	3
Psychology	647	814	766	1,035	1,297	1,288	1,457	1,566	1,760
Social sciences	1,173	1,310	1,333	1,489	1,614	1,624	1,780	2,093	2,127
Anthropology	16	19	19	24	31	24	27	23	25
Area and ethnic studies	66	68	62	57	61	76	83	83	87
Economics	39	36	39	23	25	28	28	34	35
History of science	0	1	0	0	0	1	0	0	0
Linguistics	4	9	11	3	7	4	5	2	6
Political science and public administration	739	882	903	988	1,128	1,131	1,264	1,447	1,509
Sociology	171	154	142	234	193	188	173	203	150
Other	138	141	157	160	169	172	200	301	315
Engineering	210	225	244	207	246	265	281	284	282
Aerospace engineering	1	0	1	0	2	0	0	1	2
Chemical engineering	16	23	19	15	19	12	20	14	24
Civil engineering	42	40	45	34	41	38	43	29	37
Electrical engineering	48	47	53	40	49	50	45	58	46
Industrial engineering	43	39	48	41	50	64	71	66	66
Materials engineering	5	5	7	6	2	12	7	11	9
Mechanical engineering	17	21	28	19	26	17	19	19	15
Other	38	50	43	52	57	72	76	86	83
Non-S&E	14,070	15,617	16,681	19,702	20,803	22,156	24,067	26,981	28,771
Hispanic									
All fields	9,322	9,894	10,568	12,799	13,925	14,736	16,140	19,066	20,841
S&E	1,426	1,502	1,667	1,836	2,119	2,116	2,269	2,659	2,839
Sciences	1,258	1,326	1,489	1,635	1,898	1,864	2,043	2,349	2,524
Agricultural sciences	40	54	58	74	74	85	87	98	107
Biological sciences	109	104	95	146	168	141	160	177	229
Computer sciences	51	59	77	89	156	105	189	211	127
Earth, atmospheric, and ocean sciences	10	8	8	12	18	19	7	16	26
Atmospheric sciences	0	2	1	0	0	1	1	1	1
Earth sciences	9	5	6	10	15	17	4	15	24
Ocean sciences	1	1	1	2	3	1	2	0	1
Mathematics and statistics	33	17	39	41	32	30	41	49	60
Physical sciences	37	45	54	37	39	52	58	54	56
Astronomy	0	2	0	0	0	0	2	1	1
Chemistry	26	33	42	29	30	33	43	37	39
Physics	5	9	5	6	4	16	7	10	13
Other	6	1	7	2	5	3	6	6	3
Psychology	495	518	578	607	701	716	736	863	951
Social sciences	483	521	580	629	710	716	765	881	968
Anthropology	23	27	34	21	27	39	28	37	39
Area and ethnic studies	46	43	50	62	67	60	83	75	85
Economics	18	20	17	23	23	19	28	26	38
History of science	0	0	0	0	0	0	0	0	0
Linguistics	16	19	16	15	21	14	18	19	23
Political science and public administration	291	336	337	383	426	423	463	535	596

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sociology	49	42	60	69	84	84	74	83	69
Other	40	34	66	56	62	77	71	106	118
Engineering	168	176	178	201	221	252	226	310	315
Aerospace engineering	0	4	5	2	3	7	2	8	7
Chemical engineering	14	19	18	15	15	18	15	16	19
Civil engineering	46	36	42	59	51	58	51	61	73
Electrical engineering	30	25	28	34	25	46	35	75	53
Industrial engineering	34	32	42	46	68	70	57	78	84
Materials engineering	9	10	5	6	3	4	1	6	14
Mechanical engineering	14	20	15	12	20	11	17	24	25
Other	21	30	23	27	36	38	48	42	40
Non-S&E	7,896	8,392	8,901	10,963	11,806	12,620	13,871	16,407	18,002
American Indian/Alaskan Native									
All fields	1,028	1,147	1,212	1,321	1,446	1,502	1,648	1,841	1,899
S&E	154	174	190	190	255	219	231	310	268
Sciences	149	167	182	174	238	202	217	283	243
Agricultural sciences	8	8	8	5	7	7	13	14	16
Biological sciences	8	14	12	12	14	20	13	24	18
Computer sciences	7	9	3	10	29	13	20	22	17
Earth, atmospheric, and ocean sciences	1	3	5	2	7	3	5	5	6
Atmospheric sciences	0	0	0	0	0	0	0	0	0
Earth sciences	1	3	3	2	5	3	5	5	6
Ocean sciences	0	0	2	0	2	0	0	0	0
Mathematics and statistics	1	6	6	4	3	1	4	3	6
Physical sciences	3	2	6	3	4	6	7	4	5
Astronomy	0	0	0	0	0	0	0	0	1
Chemistry	2	1	5	3	4	6	5	2	3
Physics	1	1	1	0	0	0	1	2	1
Other	0	0	0	0	0	0	1	0	0
Psychology	56	63	76	54	77	68	73	83	87
Social sciences	65	62	66	84	97	84	82	128	88
Anthropology	7	5	8	10	7	4	5	15	8
Area and ethnic studies	14	15	9	8	14	15	22	15	15
Economics	1	4	3	2	2	4	2	3	3
History of science	0	0	0	0	0	1	0	0	0
Linguistics	1	1	2	1	1	2	1	2	5
Political science and public administration	24	20	26	33	44	40	37	69	47
Sociology	15	10	12	23	18	12	10	13	4
Other	3	7	6	7	11	6	5	11	6
Engineering	5	7	8	16	17	17	14	27	25
Aerospace engineering	2	0	0	0	0	2	0	4	0
Chemical engineering	0	0	0	1	1	1	0	0	2
Civil engineering	0	1	2	4	2	6	3	4	5
Electrical engineering	1	0	2	1	3	3	3	3	3
Industrial engineering	0	2	1	3	5	1	1	6	7
Materials engineering	0	0	0	2	1	0	0	0	0
Mechanical engineering	1	0	2	0	2	2	3	5	1
Other	1	4	1	5	3	2	4	5	7
Non-S&E	874	973	1,022	1,131	1,191	1,283	1,417	1,531	1,631
Other or unknown race/ethnicity									
All fields	9,874	10,938	11,000	14,510	17,075	20,319	24,122	29,517	27,762
S&E	1,597	1,632	1,589	2,055	2,280	2,634	2,837	3,277	3,680

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Sciences	1,431	1,460	1,428	1,863	2,059	2,398	2,560	2,985	3,319
Agricultural sciences	61	63	50	67	88	73	93	113	131
Biological sciences	120	126	131	161	159	188	226	220	272
Computer sciences	106	122	122	170	257	392	366	488	337
Earth, atmospheric, and ocean sciences	14	12	16	17	26	14	35	29	35
Atmospheric sciences	0	2	2	0	3	1	3	2	2
Earth sciences	12	8	13	17	19	12	29	24	31
Ocean sciences	2	2	1	0	4	1	3	3	2
Mathematics and statistics	77	64	58	67	49	59	52	77	82
Physical sciences	42	34	48	43	52	64	54	74	74
Astronomy	1	0	1	1	4	3	5	9	3
Chemistry	26	26	38	33	31	44	30	43	50
Physics	11	6	7	7	10	14	17	20	21
Other	4	2	2	2	7	3	2	2	0
Psychology	447	410	435	646	731	823	804	860	974
Social sciences	564	629	568	692	697	785	930	1,124	1,414
Anthropology	38	39	27	34	41	49	58	53	72
Area and ethnic studies	67	41	52	66	101	97	89	97	119
Economics	28	25	28	35	30	32	83	99	108
History of science	0	1	0	0	0	2	2	1	2
Linguistics	10	24	14	13	15	15	19	27	28
Political science and public administration	339	408	367	427	380	465	539	673	878
Sociology	32	24	33	30	41	36	39	39	57
Other	50	67	47	87	89	89	101	135	150
Engineering	166	172	161	192	221	236	277	292	361
Aerospace engineering	10	7	2	3	8	4	4	7	8
Chemical engineering	8	7	9	9	14	16	10	14	26
Civil engineering	26	29	32	30	45	35	57	60	66
Electrical engineering	48	40	42	53	50	92	85	76	94
Industrial engineering	23	35	30	34	34	28	36	34	43
Materials engineering	1	4	2	6	7	4	5	5	6
Mechanical engineering	17	16	15	22	18	20	18	25	26
Other	33	34	29	35	45	37	62	71	92
Non-S&E	8,277	9,306	9,411	12,455	14,795	17,685	21,285	26,240	24,082
Temporary resident									
All fields	18,200	19,276	20,725	22,782	25,049	26,097	28,815	29,881	29,973
S&E	6,153	6,279	6,914	8,301	9,059	9,089	10,473	11,337	11,015
Sciences	4,761	4,830	5,191	6,274	6,804	6,957	7,825	8,180	7,701
Agricultural sciences	260	247	243	218	226	246	255	324	289
Biological sciences	531	508	504	459	507	492	587	658	745
Computer sciences	997	1,112	1,394	2,322	2,734	2,628	2,967	2,734	2,225
Earth, atmospheric, and ocean sciences	62	66	51	57	69	75	68	98	98
Atmospheric sciences	15	10	15	15	12	13	17	17	18
Earth sciences	36	52	33	38	52	54	48	70	71
Ocean sciences	11	4	3	4	5	8	3	11	9
Mathematics and statistics	359	347	370	487	501	535	711	847	800
Physical sciences	486	439	468	383	408	413	380	492	471
Astronomy	4	4	3	5	8	6	9	15	7
Chemistry	367	325	352	272	266	285	236	315	300
Physics	106	97	104	93	123	113	132	153	155
Other	9	13	9	13	11	9	3	9	9
Psychology	303	277	347	346	337	347	515	462	485

TABLE E-5. Master's degrees awarded to women, by field, citizenship, and race/ethnicity: 1996–2005

Field, citizenship, and race/ethnicity	1996	1997	1998	2000	2001	2002	2003	2004	2005
Social sciences	1,763	1,834	1,814	2,002	2,022	2,221	2,342	2,565	2,588
Anthropology	58	54	52	57	61	60	40	69	43
Area and ethnic studies	77	114	108	143	140	151	150	149	154
Economics	484	467	490	513	539	592	664	695	715
History of science	0	0	1	2	3	1	2	3	4
Linguistics	109	106	96	134	108	116	125	128	134
Political science and public administration	842	874	879	883	916	1,003	1,083	1,205	1,257
Sociology	105	107	74	135	93	135	134	147	113
Other	88	112	114	135	162	163	144	169	168
Engineering	1,392	1,449	1,723	2,027	2,255	2,132	2,648	3,157	3,314
Aerospace engineering	20	15	23	25	30	47	40	35	45
Chemical engineering	104	132	125	143	144	143	153	198	199
Civil engineering	228	222	256	256	274	305	361	376	408
Electrical engineering	505	530	688	868	1,031	846	1,182	1,511	1,602
Industrial engineering	179	173	206	246	282	294	325	326	305
Materials engineering	57	61	60	71	68	61	77	84	76
Mechanical engineering	113	98	116	156	137	145	172	199	209
Other	186	218	249	262	289	291	338	428	470
Non-S&E	12,047	12,997	13,811	14,481	15,990	17,008	18,342	18,544	18,958

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. 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, Completions Survey, 1996–2005.

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All S&E	18,288	17,569	17,116	16,319	15,511	15,733	15,744	16,024
Female	7,184	7,073	7,134	6,872	6,702	6,830	6,853	7,138
Male	11,087	10,496	9,980	9,447	8,808	8,903	8,891	8,884
Unknown	17	0	2	0	1	0	0	2
White	14,011	13,721	13,443	12,725	11,911	12,023	12,031	12,273
Female	5,497	5,458	5,511	5,250	5,038	5,131	5,098	5,319
Male	8,514	8,263	7,932	7,475	6,872	6,892	6,933	6,954
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	2,156	1,932	1,707	1,632	1,616	1,528	1,494	1,633
Female	767	715	680	683	677	645	677	745
Male	1,383	1,217	1,027	949	939	883	817	887
Unknown	6	0	0	0	0	0	0	1
Black	643	715	710	701	687	664	751	705
Female	351	368	391	373	371	378	422	395
Male	292	347	319	328	316	286	329	310
Hispanic	757	722	730	669	723	744	718	799
Female	326	362	350	333	379	366	363	406
Male	431	360	379	336	344	378	355	393
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	96	114	88	73	69	73	60	67
Female	42	55	45	32	33	39	27	32
Male	54	59	43	41	36	34	33	35
Other/unknown race/ethnicity <sup>b</sup>	625	365	438	519	505	701	690	547
Female	201	115	157	201	204	271	266	241
Male	413	250	280	318	301	430	424	305
Unknown	11	0	1	0	0	0	0	1
Science	15,241	14,678	14,543	13,867	13,346	13,555	13,557	13,740
Female	6,732	6,580	6,642	6,392	6,259	6,389	6,381	6,660
Male	8,498	8,098	7,899	7,475	7,086	7,166	7,176	7,079
Unknown	11	0	2	0	1	0	0	1
White	11,841	11,610	11,553	10,972	10,433	10,463	10,484	10,669
Female	5,190	5,106	5,177	4,932	4,761	4,830	4,781	5,024
Male	6,651	6,504	6,376	6,040	5,671	5,633	5,703	5,645
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	1,599	1,419	1,267	1,205	1,208	1,181	1,140	1,228
Female	670	630	570	584	579	564	593	645
Male	926	789	697	621	629	617	547	582
Unknown	3	0	0	0	0	0	0	1
Black	562	617	629	609	602	587	657	605
Female	329	344	367	348	343	359	388	369
Male	233	273	262	261	259	228	269	236
Hispanic	647	639	648	578	625	640	630	710
Female	313	339	337	310	354	343	342	377
Male	334	300	310	268	271	297	288	333
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	83	102	80	67	63	61	54	58
Female	38	53	41	30	33	36	25	31
Male	45	49	39	37	30	25	29	27
Other/unknown race/ethnicity <sup>b</sup>	509	291	366	436	415	623	592	470
Female	192	108	150	188	189	257	252	214
Male	309	183	215	248	226	366	340	256
Unknown	8	0	1	0	0	0	0	0
Agricultural sciences	591	561	559	506	492	562	566	557
Female	205	185	195	195	181	200	226	224
Male	386	376	364	311	310	362	340	333
Unknown	0	0	0	0	1	0	0	0

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
White	454	456	452	430	417	465	470	486
Female	154	147	158	157	150	157	171	181
Male	300	309	294	273	266	308	299	305
Unknown	0	0	0	0	1	0	0	0
Asian <sup>a</sup>	55	50	36	25	29	26	31	22
Female	25	19	12	13	15	16	23	13
Male	30	31	24	12	14	10	8	9
Black	21	27	22	14	13	22	20	16
Female	5	9	11	6	5	8	11	12
Male	16	18	11	8	8	14	9	4
Hispanic	35	16	29	26	21	25	16	18
Female	13	7	11	14	8	11	11	10
Male	22	9	18	12	13	14	5	8
American Indian/Alaska Native	9	1	5	0	2	4	4	3
Female	2	0	1	0	0	1	2	2
Male	7	1	4	0	2	3	2	1
Other/unknown race/ethnicity <sup>b</sup>	17	11	15	11	10	20	25	12
Female	6	3	2	5	3	7	8	6
Male	11	8	13	6	7	13	17	6
Biological sciences	4,319	4,123	4,268	4,248	4,113	4,059	4,196	4,396
Female	1,925	1,864	1,988	1,973	1,918	1,918	2,006	2,168
Male	2,392	2,259	2,280	2,275	2,195	2,141	2,190	2,227
Unknown	2	0	0	0	0	0	0	1
White	3,249	3,128	3,307	3,258	3,119	3,059	3,188	3,337
Female	1,438	1,402	1,510	1,488	1,392	1,449	1,467	1,607
Male	1,811	1,726	1,797	1,770	1,727	1,610	1,721	1,730
Asian <sup>a</sup>	663	608	539	547	561	530	490	536
Female	292	276	263	267	290	254	260	284
Male	370	332	276	280	271	276	230	251
Unknown	1	0	0	0	0	0	0	1
Black	111	116	118	139	124	108	149	158
Female	70	66	74	84	67	64	89	100
Male	41	50	44	55	57	44	60	58
Hispanic	169	174	174	165	182	176	192	227
Female	79	76	92	77	114	80	108	113
Male	90	98	82	88	68	96	84	114
American Indian/Alaska Native	12	20	17	15	12	11	14	12
Female	6	10	7	7	6	8	4	6
Male	6	10	10	8	6	3	10	6
Other/unknown race/ethnicity <sup>b</sup>	115	77	113	124	115	175	163	126
Female	40	34	42	50	49	63	78	58
Male	74	43	71	74	66	112	85	68
Unknown	1	0	0	0	0	0	0	0
Computer sciences	563	493	458	424	420	446	447	473
Female	123	106	86	98	97	99	102	105
Male	439	387	372	326	323	347	345	368
Unknown	1	0	0	0	0	0	0	0
White	413	356	337	322	291	308	320	327
Female	84	71	62	60	59	65	70	61
Male	329	285	275	262	232	243	250	266
Asian <sup>a</sup>	91	87	76	62	86	81	72	92
Female	23	19	15	20	26	17	19	27
Male	68	68	61	42	60	64	53	65
Black	14	19	18	15	17	17	17	15
Female	8	10	5	10	7	5	5	8

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Male	6	9	13	5	10	12	12	7
Hispanic	15	14	14	8	14	11	13	12
Female	1	3	3	4	2	5	3	3
Male	14	11	11	4	12	6	10	9
American Indian/Alaska Native	4	1	1	1	2	2	2	1
Female	0	1	0	0	0	0	0	0
Male	4	0	1	1	2	2	2	1
Other/unknown race/ethnicity <sup>b</sup>	26	16	12	16	10	27	23	26
Female	7	2	1	4	3	7	5	6
Male	18	14	11	12	7	20	18	20
Unknown	1	0	0	0	0	0	0	0
Earth, atmospheric, and ocean sciences	533	471	474	411	433	451	438	442
Female	157	135	145	138	163	153	175	164
Male	376	336	329	273	270	298	263	278
White	443	387	411	354	374	379	379	384
Female	133	110	124	122	140	123	152	138
Male	310	277	287	232	234	256	227	246
Asian <sup>a</sup>	45	35	23	27	24	22	11	18
Female	13	10	9	7	10	8	4	9
Male	32	25	14	20	14	14	7	9
Black	5	11	4	5	5	13	7	6
Female	1	4	1	2	0	7	1	1
Male	4	7	3	3	5	6	6	5
Hispanic	17	20	16	9	14	15	11	18
Female	6	4	3	5	2	6	5	8
Male	11	16	13	4	12	9	6	10
American Indian/Alaska Native	3	6	4	0	0	2	4	4
Female	1	3	1	0	0	1	0	3
Male	2	3	3	0	0	1	4	1
Other/unknown race/ethnicity <sup>b</sup>	20	12	16	16	16	20	26	12
Female	3	4	7	2	11	8	13	5
Male	17	8	9	14	5	12	13	7
Mathematics and statistics	673	605	574	526	443	517	511	541
Female	199	192	164	155	135	152	154	151
Male	473	413	409	371	308	365	357	390
Unknown	1	0	1	0	0	0	0	0
White	528	506	464	428	370	407	399	413
Female	150	159	126	120	112	110	125	106
Male	378	347	338	308	258	297	274	307
Asian <sup>a</sup>	72	56	70	50	28	51	54	66
Female	27	20	21	17	5	24	17	28
Male	45	36	49	33	23	27	37	38
Black	16	12	14	19	14	16	10	22
Female	7	6	7	7	8	5	3	7
Male	9	6	7	12	6	11	7	15
Hispanic	27	15	15	15	12	17	26	24
Female	7	5	7	5	4	7	7	6
Male	20	10	8	10	8	10	19	18



TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
American Indian/Alaska Native	3	1	2	2	3	2	0	0
Female	2	0	1	1	1	1	0	0
Male	1	1	1	1	2	1	0	0
Other/unknown race/ethnicity <sup>b</sup>	27	15	9	12	16	24	22	16
Female	6	2	2	5	5	5	2	4
Male	20	13	6	7	11	19	20	12
Unknown	1	0	1	0	0	0	0	0
Physical sciences	2,442	2,265	2,072	2,035	1,923	1,951	1,858	1,900
Female	599	547	540	523	530	561	502	562
Male	1,841	1,718	1,532	1,512	1,393	1,390	1,356	1,338
Unknown	2	0	0	0	0	0	0	0
White	1,901	1,829	1,674	1,636	1,533	1,537	1,468	1501
Female	442	391	414	391	409	421	382	430
Male	1,459	1,438	1,260	1,245	1,124	1,116	1,086	1071
Asian <sup>a</sup>	334	252	202	200	193	184	164	196
Female	103	93	70	73	61	72	53	66
Male	229	159	132	127	132	112	111	130
Unknown	2	0	0	0	0	0	0	0
Black	56	66	61	55	67	55	60	55
Female	31	29	21	20	28	19	25	17
Male	25	37	40	35	39	36	35	38
Hispanic	54	63	77	65	63	72	62	74
Female	11	22	25	22	22	23	24	32
Male	43	41	52	43	41	49	38	42
American Indian/Alaska Native	9	9	9	12	7	2	5	4
Female	1	3	2	2	0	1	1	0
Male	8	6	7	10	7	1	4	4
Other/unknown race/ethnicity <sup>b</sup>	88	46	49	67	60	101	99	70
Female	11	9	8	15	10	25	17	17
Male	77	37	41	52	50	76	82	53
Psychology	3,274	3,293	3,230	2,977	2,793	2,855	2,788	2,891
Female	2,212	2,229	2,178	2,004	1,879	1,964	1,891	1,990
Male	1,058	1,064	1,051	973	914	891	897	901
Unknown	4	0	1	0	0	0	0	0
White	2,646	2,701	2,606	2,410	2,228	2,260	2,137	2286
Female	1,764	1,789	1,725	1,594	1,481	1,550	1,405	1552
Male	882	912	881	816	747	710	732	734
Asian <sup>a</sup>	113	132	145	114	120	119	152	131
Female	84	98	99	89	81	81	126	105
Male	29	34	46	25	39	38	26	26
Black	158	172	189	172	170	169	206	164
Female	115	135	144	122	128	126	156	126
Male	43	37	45	50	42	43	50	38
Hispanic	208	216	211	169	184	170	172	188
Female	152	158	151	123	129	116	116	126
Male	56	58	59	46	55	54	56	62
Unknown	0	0	1	0	0	0	0	0
American Indian/Alaska Native	31	35	22	17	15	22	12	15
Female	18	23	19	12	8	14	9	9
Male	13	12	3	5	7	8	3	6
Other/unknown race/ethnicity <sup>b</sup>	118	37	57	95	76	115	109	107
Female	79	26	40	64	52	77	79	72
Male	35	11	17	31	24	38	30	35
Unknown	4	0	0	0	0	0	0	0

TABLE F-11. S&E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1998-2005

Field, sex, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Social sciences	2,846	2,867	2,908	2,740	2,729	2,714	2,753	2,540
Female	1,312	1,322	1,346	1,306	1,356	1,342	1,325	1,296
Male	1,533	1,545	1,562	1,434	1,373	1,372	1,428	1,244
Unknown	1	0	0	0	0	0	0	0
White	2,207	2,247	2,302	2,134	2,101	2,048	2,123	1,935
Female	1,025	1,037	1,058	1,000	1,018	955	1,009	949
Male	1,182	1,210	1,244	1,134	1,083	1,093	1,114	986
Asian <sup>a</sup>	226	199	176	180	167	168	166	167
Female	103	95	81	98	91	92	91	113
Male	123	104	95	82	76	76	75	54
Black	181	194	203	190	192	187	188	169
Female	92	85	104	97	100	125	98	98
Male	89	109	99	93	92	62	90	71
Hispanic	122	121	112	121	135	154	138	149
Female	44	64	45	60	73	95	68	79
Male	78	57	67	61	62	59	70	70
American Indian/Alaska Native	12	29	20	20	22	16	13	19
Female	8	13	10	8	18	10	9	11
Male	4	16	10	12	4	6	4	8
Other/unknown race/ethnicity <sup>b</sup>	98	77	95	95	112	141	125	101
Female	40	28	48	43	56	65	50	46
Male	57	49	47	52	56	76	75	55
Unknown	1	0	0	0	0	0	0	0
Engineering	3,047	2,891	2,573	2,452	2,165	2,178	2,187	2,284
Female	452	493	492	480	443	441	472	478
Male	2,589	2,398	2,081	1,972	1,722	1,737	1,715	1,805
Unknown	6	0	0	0	0	0	0	1
White	2,170	2,111	1,890	1,753	1,478	1,560	1,547	1,604
Female	307	352	334	318	277	301	317	295
Male	1,863	1,759	1,556	1,435	1,201	1,259	1,230	1,309
Asian <sup>a</sup>	557	513	440	427	408	347	354	405
Female	97	85	110	99	98	81	84	100
Male	457	428	330	328	310	266	270	305
Unknown	3	0	0	0	0	0	0	0
Black	81	98	81	92	85	77	94	100
Female	22	24	24	25	28	19	34	26
Male	59	74	57	67	57	58	60	74
Hispanic	110	83	82	91	98	104	88	89
Female	13	23	13	23	25	23	21	29
Male	97	60	69	68	73	81	67	60
American Indian/Alaska Native	13	12	8	6	6	12	6	9
Female	4	2	4	2	0	3	2	1
Male	9	10	4	4	6	9	4	8
Other/unknown race/ethnicity <sup>b</sup>	116	74	72	83	90	78	98	77
Female	9	7	7	13	15	14	14	27
Male	104	67	65	70	75	64	84	49
Unknown	3	0	0	0	0	0	0	1

<sup>a</sup> Includes Native Hawaiians/other Pacific Islanders through 2000 but excludes them in 2001-2005 per revised Office of Management and Budget guidelines.

<sup>b</sup> Includes only those with unknown race/ethnicity through 2000. In 2001, this category was expanded to include Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1998-2005.

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2005  
(Percent distribution)

Sex and field	All U.S. citizens and permanent residents	White	Asian <sup>a</sup>	Black	Hispanic	American Indian/ Alaska Native	Other/ unknown race/ ethnicity <sup>b</sup>
Female (number)	7,138	5,319	745	395	406	32	241
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	93.3	94.5	86.6	93.4	92.9	96.9	88.8
Agricultural sciences	3.1	3.4	1.7	3.0	2.5	6.3	2.5
Biological sciences	30.4	30.2	38.1	25.3	27.8	18.8	24.1
Computer sciences	1.5	1.1	3.6	2.0	0.7	0.0	2.5
Earth, atmospheric, and ocean sciences	2.3	2.6	1.2	0.3	2.0	9.4	2.1
Atmospheric sciences	0.4	0.5	0.1	0.0	0.5	0.0	0.0
Earth sciences	1.3	1.4	0.7	0.3	1.0	9.4	1.7
Ocean sciences	0.6	0.7	0.4	0.0	0.5	0.0	0.4
Mathematics and statistics	2.1	2.0	3.8	1.8	1.5	0.0	1.7
Physical sciences	7.9	8.1	8.9	4.3	7.9	0.0	7.1
Astronomy	0.5	0.5	0.3	0.0	0.5	0.0	0.8
Chemistry	6.2	6.4	6.8	3.8	7.1	0.0	5.0
Physics	1.1	1.2	1.7	0.5	0.2	0.0	1.2
Psychology	27.9	29.2	14.1	31.9	31.0	28.1	29.9
Social sciences	18.2	17.8	15.2	24.8	19.5	34.4	19.1
Anthropology	3.3	3.4	2.3	4.1	2.5	6.3	2.9
Area/ethnic studies	0.7	0.6	0.3	1.5	2.2	3.1	1.2
Economics	1.9	1.8	3.6	0.8	2.5	0.0	1.2
History of science	0.2	0.2	0.1	0.0	0.5	0.0	0.4
Linguistics	1.1	1.2	1.3	0.3	0.7	0.0	1.2
Political science/public administration	4.5	4.7	2.4	7.6	3.2	6.3	5.4
Sociology	3.8	3.6	3.2	6.3	5.4	9.4	3.3
Other	2.5	2.4	1.9	4.3	2.5	9.4	3.3
Engineering	6.7	5.5	13.4	6.6	7.1	3.1	11.2
Aerospace engineering	0.2	0.2	0.0	0.0	0.2	0.0	0.8
Chemical engineering	1.2	0.9	2.0	1.8	1.7	0.0	2.1
Civil engineering	1.1	1.0	1.7	1.5	0.5	0.0	1.2
Electrical engineering	1.1	0.8	3.1	1.5	0.5	0.0	3.3
Industrial engineering	0.2	0.2	0.3	0.3	0.2	0.0	0.4
Materials engineering	0.7	0.6	1.3	0.0	1.7	0.0	0.8
Mechanical engineering	0.6	0.5	0.9	0.0	1.5	3.1	0.4
Other	1.6	1.3	4.0	1.5	0.7	0.0	2.1
Male (number)	8,884	6,954	887	310	393	35	305
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Science	79.7	81.2	65.6	76.1	84.7	77.1	83.9
Agricultural sciences	3.7	4.4	1.0	1.3	2.0	2.9	2.0
Biological sciences	25.1	24.9	28.3	18.7	29.0	17.1	22.3
Computer sciences	4.1	3.8	7.3	2.3	2.3	2.9	6.6
Earth, atmospheric, and ocean sciences	3.1	3.5	1.0	1.6	2.5	2.9	2.3
Atmospheric sciences	0.7	0.7	0.2	1.0	0.3	2.9	0.0
Earth sciences	1.8	2.1	0.8	0.3	1.3	0.0	2.0
Ocean sciences	0.6	0.7	0.0	0.3	1.0	0.0	0.3
Mathematics and statistics	4.4	4.4	4.3	4.8	4.6	0.0	3.9
Physical sciences	15.1	15.4	14.7	12.3	10.7	11.4	17.4
Astronomy	1.0	1.0	0.6	0.6	0.3	0.0	2.0
Chemistry	8.6	8.9	8.3	8.4	6.6	5.7	7.2
Physics	5.5	5.5	5.7	3.2	3.8	5.7	8.2
Psychology	10.1	10.6	2.9	12.3	15.8	17.1	11.5

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2005  
(Percent distribution)

Sex and field	All U.S. citizens and permanent residents	White	Asian <sup>a</sup>	Black	Hispanic	American Indian/ Alaska Native	Other/ unknown race/ ethnicity <sup>b</sup>
Social sciences	14.0	14.2	6.1	22.9	17.8	22.9	18.0
Anthropology	1.8	1.8	0.6	2.3	2.3	2.9	3.9
Area/ethnic studies	0.5	0.5	0.3	1.6	0.5	2.9	0.7
Economics	2.8	2.8	1.8	2.3	4.3	2.9	3.0
History of science	0.2	0.3	0.1	0.3	0.0	0.0	0.3
Linguistics	0.4	0.4	0.1	0.0	0.3	0.0	1.0
Political science/public administration	4.5	4.7	1.7	8.4	5.6	5.7	3.3
Sociology	1.7	1.6	0.7	5.2	3.1	2.9	2.0
Other	2.1	2.2	0.8	2.9	1.8	5.7	3.9
Engineering	20.3	18.8	34.4	23.9	15.3	22.9	16.1
Aerospace engineering	1.0	0.9	1.0	0.6	1.3	2.9	1.3
Chemical engineering	2.8	2.7	3.5	2.3	3.6	0.0	2.6
Civil engineering	1.9	2.0	2.3	1.0	2.3	0.0	1.6
Electrical engineering	5.5	4.5	13.6	8.1	3.3	8.6	3.9
Industrial engineering	0.7	0.5	1.5	2.3	0.3	0.0	0.3
Materials engineering	1.6	1.7	2.0	1.6	0.8	0.0	0.3
Mechanical engineering	3.2	3.0	4.8	3.5	1.8	8.6	2.3
Other	3.7	3.5	5.6	4.5	2.0	2.9	3.6

<sup>a</sup> Excludes Native Hawaiians/other Pacific Islanders per revised Office of Management and Budget guidelines.

<sup>b</sup> This category includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2005.

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

(Thousands)

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

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

(Thousands)

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

na = not applicable; not an occupation category.

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

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

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

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

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

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

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

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

S = suppressed because fewer than 50 weighted cases.

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

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



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

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

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

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

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

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

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

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

S = suppressed because fewer than 200 weighted cases

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

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

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

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

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

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

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

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

S = suppressed because fewer than 50 weighted cases.

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

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

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

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



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

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

<sup>a</sup> Percents represent the proportion responding "yes" to each category. Respondents could answer "yes" to more than one category.

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

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