

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
All surveyed fields	277,749	286,935	297,825	299,671	307,490	311,179	303,120	297,171
U.S. citizens and permanent residents	227,554	237,029	246,041	245,526	252,309	252,329	242,387	235,235
Hispanic or Latino	16,067	17,035	17,829	18,106	18,527	18,379	18,140	18,364
Not Hispanic or Latino								
American Indian or Alaska Native	1,396	1,488	1,593	1,651	1,713	1,946	1,749	1,647
Asian <sup>b</sup>	17,849	18,346	18,663	18,631	18,885	18,536	18,518	18,014
Black or African American	21,339	22,429	23,416	23,274	24,013	24,595	24,539	24,844
Native Hawaiian or Other Pacific Islander <sup>b</sup>	1,021	766	697	856	863	799	752	754
White	152,593	156,051	162,059	160,001	164,684	163,522	155,553	149,137
More than one race <sup>b</sup>	325	351	370	372	375	900	1,535	3,197
Unknown ethnicity/race	16,964	20,563	21,414	22,635	23,249	23,652	21,601	19,278
Temporary visa holders	50,195	49,906	51,784	54,145	55,181	58,850	60,733	61,936
Science and engineering	201,865	206,308	211,106	218,295	227,273	231,997	237,749	240,481
U.S. citizens and permanent residents	155,725	160,613	163,820	168,644	176,449	177,792	181,700	182,995
Hispanic or Latino	11,621	12,468	12,839	13,361	13,848	14,025	14,235	14,813
Not Hispanic or Latino								
American Indian or Alaska Native	1,001	1,050	1,133	1,167	1,235	1,431	1,370	1,351
Asian <sup>b</sup>	13,176	13,344	13,289	13,754	14,118	13,954	14,504	14,386
Black or African American	14,847	15,623	15,884	16,371	17,162	17,706	18,519	19,160
Native Hawaiian or Other Pacific Islander <sup>b</sup>	529	541	477	622	644	573	578	554
White	101,912	102,589	104,515	106,672	111,932	112,046	114,287	114,557
More than one race <sup>b</sup>	266	280	290	275	281	709	1,267	2,578
Unknown ethnicity/race	12,373	14,718	15,393	16,422	17,229	17,348	16,940	15,596
Temporary visa holders	46,140	45,695	47,286	49,651	50,824	54,205	56,049	57,486
Science	174,593	179,413	183,162	188,321	196,801	200,460	204,431	206,028
U.S. citizens and permanent residents	140,480	145,333	148,354	152,294	159,749	160,796	163,806	164,531
Hispanic or Latino	10,522	11,371	11,644	12,119	12,592	12,775	12,884	13,352
Not Hispanic or Latino								
American Indian or Alaska Native	926	983	1,061	1,105	1,170	1,334	1,292	1,266
Asian <sup>b</sup>	10,260	10,389	10,736	11,164	11,484	11,379	11,863	11,648
Black or African American	13,718	14,523	14,755	15,160	15,908	16,423	17,204	17,860
Native Hawaiian or Other Pacific Islander <sup>b</sup>	485	495	434	546	568	525	536	507
White	93,054	93,902	95,514	97,161	102,213	101,981	103,682	103,553
More than one race <sup>b</sup>	253	266	270	261	266	663	1,169	2,332
Unknown ethnicity/race	11,262	13,404	13,940	14,778	15,548	15,716	15,176	14,013
Temporary visa holders	34,113	34,080	34,808	36,027	37,052	39,664	40,625	41,497
Agricultural sciences	6,258	6,202	6,299	6,444	6,627	6,891	7,485	7,819
U.S. citizens and permanent residents	5,167	5,112	5,157	5,258	5,357	5,488	5,965	6,253
Hispanic or Latino	257	263	277	301	316	322	373	412
Not Hispanic or Latino								
American Indian or Alaska Native	47	45	46	48	48	77	77	87
Asian <sup>b</sup>	179	144	168	171	176	214	204	199
Black or African American	241	245	301	283	282	289	244	277
Native Hawaiian or Other Pacific Islander <sup>b</sup>	14	14	5	7	7	15	19	20
White	4,191	4,146	4,070	4,136	4,220	4,184	4,602	4,835
More than one race <sup>b</sup>	4	9	14	7	7	34	46	71
Unknown ethnicity/race	234	246	276	305	301	353	400	352
Temporary visa holders	1,091	1,090	1,142	1,186	1,270	1,403	1,520	1,566
Biological sciences	37,289	38,521	39,369	40,651	40,754	41,334	41,818	42,571
U.S. citizens and permanent residents	28,741	29,603	30,304	31,494	31,725	31,762	32,283	33,041
Hispanic or Latino	1,741	1,826	1,926	2,074	2,070	2,093	2,254	2,447
Not Hispanic or Latino								
American Indian or Alaska Native	157	164	182	166	167	187	194	213
Asian <sup>b</sup>	2,873	2,978	3,216	3,350	3,387	3,264	3,438	3,546
Black or African American	2,033	2,063	2,123	2,261	2,271	2,301	2,456	2,474

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Native Hawaiian or Other Pacific Islander <sup>b</sup>	152	148	139	157	166	162	170	129
White	20,022	20,415	20,772	21,115	21,136	21,173	21,086	21,473
More than one race <sup>b</sup>	51	60	44	39	42	103	155	395
Unknown ethnicity/race	1,712	1,949	1,902	2,332	2,486	2,479	2,530	2,364
Temporary visa holders	8,548	8,918	9,065	9,157	9,029	9,572	9,535	9,530
Communication <sup>a</sup>	ne	ne	ne	ne	4,647	5,381	6,029	6,353
U.S. citizens and permanent residents	ne	ne	ne	ne	3,927	4,517	4,991	5,307
Hispanic or Latino	ne	ne	ne	ne	270	302	295	367
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	19	35	36	45
Asian <sup>b</sup>	ne	ne	ne	ne	162	191	217	221
Black or African American	ne	ne	ne	ne	375	436	459	541
Native Hawaiian or Other Pacific Islander <sup>b</sup>	ne	ne	ne	ne	3	4	20	12
White	ne	ne	ne	ne	2,733	3,060	3,490	3,662
More than one race <sup>b</sup>	ne	ne	ne	ne	1	10	57	81
Unknown ethnicity/race	ne	ne	ne	ne	364	479	417	378
Temporary visa holders	ne	ne	ne	ne	720	864	1,038	1,046
Computer sciences	13,277	12,045	12,062	12,206	12,017	12,545	13,053	12,807
U.S. citizens and permanent residents	7,362	6,776	6,741	6,169	6,020	6,015	6,300	6,048
Hispanic or Latino	283	272	271	286	282	287	293	334
Not Hispanic or Latino								
American Indian or Alaska Native	30	33	27	16	15	34	28	31
Asian <sup>b</sup>	1,624	1,386	1,283	1,145	1,109	1,087	1,170	980
Black or African American	708	714	722	704	695	708	799	822
Native Hawaiian or Other Pacific Islander <sup>b</sup>	27	17	17	9	8	16	16	13
White	3,849	3,621	3,581	3,091	3,012	3,064	3,192	3,133
More than one race <sup>b</sup>	6	6	4	1	1	9	34	81
Unknown ethnicity/race	835	727	836	917	898	810	768	654
Temporary visa holders	5,915	5,269	5,321	6,037	5,997	6,530	6,753	6,759
Earth, atmospheric, and ocean sciences	6,932	6,895	7,004	6,951	6,650	6,621	6,815	7,200
U.S. citizens and permanent residents	5,854	5,796	5,898	5,853	5,593	5,477	5,717	6,015
Hispanic or Latino	302	281	311	303	283	280	308	336
Not Hispanic or Latino								
American Indian or Alaska Native	27	31	26	35	31	35	29	46
Asian <sup>b</sup>	213	191	200	210	187	192	212	215
Black or African American	141	152	145	155	151	161	158	158
Native Hawaiian or Other Pacific Islander <sup>b</sup>	14	22	16	10	9	8	16	13
White	4,821	4,798	4,830	4,748	4,564	4,383	4,491	4,731
More than one race <sup>b</sup>	12	10	12	8	8	20	32	83
Unknown ethnicity/race	324	311	358	384	360	398	471	433
Temporary visa holders	1,078	1,099	1,106	1,098	1,057	1,144	1,098	1,185
Family and consumer sciences/human sciences <sup>a</sup>	ne	ne	ne	ne	2,327	2,958	3,203	3,461
U.S. citizens and permanent residents	ne	ne	ne	ne	2,127	2,687	2,925	3,157
Hispanic or Latino	ne	ne	ne	ne	71	112	129	166
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	17	14	18	20
Asian <sup>b</sup>	ne	ne	ne	ne	79	124	120	123
Black or African American	ne	ne	ne	ne	272	345	461	511
Native Hawaiian or Other Pacific Islander <sup>b</sup>	ne	ne	ne	ne	0	0	0	1
White	ne	ne	ne	ne	1,573	1,866	2,024	2,099
More than one race <sup>b</sup>	ne	ne	ne	ne	2	5	3	29
Unknown ethnicity/race	ne	ne	ne	ne	113	221	170	208
Temporary visa holders	ne	ne	ne	ne	200	271	278	304

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Mathematical sciences	7,497	7,437	7,693	7,781	7,678	7,751	7,979	8,127
U.S. citizens and permanent residents	4,792	4,740	4,857	4,969	4,930	4,723	4,860	4,937
Hispanic or Latino	230	215	246	269	268	243	265	277
Not Hispanic or Latino								
American Indian or Alaska Native	13	15	22	14	14	18	16	19
Asian <sup>b</sup>	571	597	611	613	605	571	613	617
Black or African American	332	351	347	331	329	311	321	319
Native Hawaiian or Other Pacific Islander <sup>b</sup>	13	14	18	18	18	28	32	16
White	3,293	3,178	3,260	3,276	3,252	3,129	3,149	3,125
More than one race <sup>b</sup>	7	9	6	4	4	8	57	97
Unknown ethnicity/race	333	361	347	444	440	415	407	467
Temporary visa holders	2,705	2,697	2,836	2,812	2,748	3,028	3,119	3,190
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	2,560	3,234	3,809	4,493
U.S. citizens and permanent residents	ne	ne	ne	ne	2,211	2,781	3,283	3,877
Hispanic or Latino	ne	ne	ne	ne	169	230	253	390
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	39	41	38	29
Asian <sup>b</sup>	ne	ne	ne	ne	115	144	169	200
Black or African American	ne	ne	ne	ne	219	264	326	381
Native Hawaiian or Other Pacific Islander <sup>b</sup>	ne	ne	ne	ne	8	8	10	8
White	ne	ne	ne	ne	1,378	1,711	1,954	2,329
More than one race <sup>b</sup>	ne	ne	ne	ne	0	3	25	51
Unknown ethnicity/race	ne	ne	ne	ne	283	380	508	489
Temporary visa holders	ne	ne	ne	ne	349	453	526	616
Neuroscience <sup>a</sup>	na	na	na	na	863	1,097	1,264	1,474
U.S. citizens and permanent residents	na	na	na	na	687	897	1,038	1,225
Hispanic or Latino	na	na	na	na	49	62	64	97
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	4	4	3	4
Asian <sup>b</sup>	na	na	na	na	78	106	112	128
Black or African American	na	na	na	na	35	36	52	51
Native Hawaiian or Other Pacific Islander <sup>b</sup>	na	na	na	na	2	3	1	2
White	na	na	na	na	482	625	714	857
More than one race <sup>b</sup>	na	na	na	na	0	2	1	7
Unknown ethnicity/race	na	na	na	na	37	59	91	79
Temporary visa holders	na	na	na	na	176	200	226	249
Physical sciences	11,300	11,726	12,005	12,253	12,109	12,333	12,691	12,826
U.S. citizens and permanent residents	6,757	7,098	7,370	7,605	7,489	7,448	7,671	7,721
Hispanic or Latino	489	490	490	509	503	494	495	506
Not Hispanic or Latino								
American Indian or Alaska Native	28	34	49	49	48	50	48	37
Asian <sup>b</sup>	637	652	711	803	792	726	768	738
Black or African American	453	482	506	501	498	491	493	514
Native Hawaiian or Other Pacific Islander <sup>b</sup>	22	18	20	21	21	18	23	16
White	4,718	5,002	5,092	5,175	5,085	5,102	5,252	5,267
More than one race <sup>b</sup>	10	16	10	13	13	25	32	98
Unknown ethnicity/race	400	404	492	534	529	542	560	545
Temporary visa holders	4,543	4,628	4,635	4,648	4,620	4,885	5,020	5,105
Psychology <sup>c</sup>	40,156	43,319	43,703	45,594	45,116	44,615	42,536	40,238
U.S. citizens and permanent residents	38,210	41,172	41,648	43,328	42,890	42,389	40,409	37,958
Hispanic or Latino	3,659	3,927	4,030	4,216	4,204	4,271	3,852	3,720
Not Hispanic or Latino								
American Indian or Alaska Native	235	241	261	309	309	298	287	266
Asian <sup>b</sup>	1,818	1,888	1,949	2,147	2,128	2,100	2,000	1,868
Black or African American	3,752	4,291	4,164	4,198	4,165	4,341	4,440	4,478

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Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Native Hawaiian or Other Pacific Islander <sup>b</sup>	62	102	88	95	98	79	66	92
White	25,020	25,614	26,132	27,588	27,237	26,497	25,646	23,716
More than one race <sup>b</sup>	52	56	52	55	55	137	303	506
Unknown ethnicity/race	3,612	5,053	4,972	4,720	4,694	4,666	3,815	3,312
Temporary visa holders	1,946	2,147	2,055	2,266	2,226	2,226	2,127	2,280
Social sciences	51,884	53,268	55,027	56,441	55,453	55,700	57,749	58,659
U.S. citizens and permanent residents	43,597	45,036	46,379	47,618	46,793	46,612	48,364	48,992
Hispanic or Latino	3,561	4,097	4,093	4,161	4,107	4,079	4,303	4,300
Not Hispanic or Latino								
American Indian or Alaska Native	389	420	448	468	459	541	518	469
Asian <sup>b</sup>	2,345	2,553	2,598	2,725	2,666	2,660	2,840	2,813
Black or African American	6,058	6,225	6,447	6,727	6,616	6,740	6,995	7,334
Native Hawaiian or Other Pacific Islander <sup>b</sup>	181	160	131	229	228	184	163	185
White	27,140	27,128	27,777	28,032	27,541	27,187	28,082	28,326
More than one race <sup>b</sup>	111	100	128	134	133	307	424	833
Unknown ethnicity/race	3,812	4,353	4,757	5,142	5,043	4,914	5,039	4,732
Temporary visa holders	8,287	8,232	8,648	8,823	8,660	9,088	9,385	9,667
Engineering	27,272	26,895	27,944	29,974	30,472	31,537	33,318	34,453
U.S. citizens and permanent residents	15,245	15,280	15,466	16,350	16,700	16,996	17,894	18,464
Hispanic or Latino	1,099	1,097	1,195	1,242	1,256	1,250	1,351	1,461
Not Hispanic or Latino								
American Indian or Alaska Native	75	67	72	62	65	97	78	85
Asian <sup>b</sup>	2,916	2,955	2,553	2,590	2,634	2,575	2,641	2,738
Black or African American	1,129	1,100	1,129	1,211	1,254	1,283	1,315	1,300
Native Hawaiian or Other Pacific Islander <sup>b</sup>	44	46	43	76	76	48	42	47
White	8,858	8,687	9,001	9,511	9,719	10,065	10,605	11,004
More than one race <sup>b</sup>	13	14	20	14	15	46	98	246
Unknown ethnicity/race	1,111	1,314	1,453	1,644	1,681	1,632	1,764	1,583
Temporary visa holders	12,027	11,615	12,478	13,624	13,772	14,541	15,424	15,989
Aerospace engineering	600	607	709	700	700	722	734	784
U.S. citizens and permanent residents	377	400	493	486	486	487	497	551
Hispanic or Latino	22	16	24	22	22	25	25	36
Not Hispanic or Latino								
American Indian or Alaska Native	3	2	1	4	4	7	5	4
Asian <sup>b</sup>	50	62	61	62	62	66	57	56
Black or African American	14	15	18	21	21	24	20	17
Native Hawaiian or Other Pacific Islander <sup>b</sup>	1	0	1	0	0	0	1	2
White	256	272	326	338	338	296	332	375
More than one race <sup>b</sup>	0	0	0	1	1	1	5	12
Unknown ethnicity/race	31	33	62	38	38	68	52	49
Temporary visa holders	223	207	216	214	214	235	237	233
Agricultural engineering	311	323	350	366	366	398	437	509
U.S. citizens and permanent residents	183	177	183	172	172	166	198	206
Hispanic or Latino	4	10	12	5	5	6	9	10
Not Hispanic or Latino								
American Indian or Alaska Native	0	1	3	1	1	1	1	3
Asian <sup>b</sup>	16	13	10	12	12	10	11	16
Black or African American	14	12	13	10	10	9	12	16
Native Hawaiian or Other Pacific Islander <sup>b</sup>	0	1	1	2	2	0	0	0
White	143	136	140	130	130	132	152	145
More than one race <sup>b</sup>	0	0	1	2	2	0	1	4
Unknown ethnicity/race	6	4	3	10	10	8	12	12
Temporary visa holders	128	146	167	194	194	232	239	303

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Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Architecture <sup>a</sup>	na	na	na	na	1,974	2,612	2,997	3,044
U.S. citizens and permanent residents	na	na	na	na	1,567	2,085	2,368	2,396
Hispanic or Latino	na	na	na	na	86	170	191	182
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	3	26	13	15
Asian <sup>b</sup>	na	na	na	na	118	157	176	206
Black or African American	na	na	na	na	94	126	123	121
Native Hawaiian or Other Pacific Islander <sup>b</sup>	na	na	na	na	2	4	1	3
White	na	na	na	na	1,117	1,403	1,625	1,641
More than one race <sup>b</sup>	na	na	na	na	1	7	11	43
Unknown ethnicity/race	na	na	na	na	146	192	228	185
Temporary visa holders	na	na	na	na	407	527	629	648
Biomedical engineering	2,183	2,297	2,486	2,610	2,621	2,761	2,979	3,133
U.S. citizens and permanent residents	1,435	1,556	1,702	1,775	1,784	1,805	1,983	2,102
Hispanic or Latino	64	75	97	86	86	91	110	120
Not Hispanic or Latino								
American Indian or Alaska Native	5	6	5	5	5	7	7	7
Asian <sup>b</sup>	301	337	366	394	394	371	422	437
Black or African American	113	103	107	117	117	118	139	129
Native Hawaiian or Other Pacific Islander <sup>b</sup>	10	7	7	7	7	10	6	5
White	868	911	991	991	1,000	1,058	1,141	1,227
More than one race <sup>b</sup>	0	0	5	3	3	5	19	28
Unknown ethnicity/race	74	117	124	172	172	145	139	149
Temporary visa holders	748	741	784	835	837	956	996	1,031
Chemical engineering	2,106	2,079	2,159	2,235	2,266	2,409	2,616	2,722
U.S. citizens and permanent residents	1,122	1,109	1,117	1,105	1,129	1,143	1,206	1,230
Hispanic or Latino	117	110	123	107	106	90	86	104
Not Hispanic or Latino								
American Indian or Alaska Native	13	7	5	2	2	3	2	2
Asian <sup>b</sup>	172	201	198	190	195	203	215	219
Black or African American	74	60	56	50	52	51	66	65
Native Hawaiian or Other Pacific Islander <sup>b</sup>	5	5	8	9	9	2	1	4
White	676	664	671	675	692	716	760	753
More than one race <sup>b</sup>	4	1	2	1	1	8	7	10
Unknown ethnicity/race	61	61	54	71	72	70	69	73
Temporary visa holders	984	970	1,042	1,130	1,137	1,266	1,410	1,492
Civil engineering <sup>a</sup>	5,441	5,405	5,423	6,348	4,736	4,765	5,301	5,571
U.S. citizens and permanent residents	3,562	3,598	3,659	4,402	3,117	3,069	3,423	3,554
Hispanic or Latino	282	293	331	404	327	263	302	370
Not Hispanic or Latino								
American Indian or Alaska Native	16	14	19	16	15	16	18	22
Asian <sup>b</sup>	371	391	361	395	303	325	382	404
Black or African American	162	161	181	231	178	168	205	206
Native Hawaiian or Other Pacific Islander <sup>b</sup>	4	9	8	11	9	11	8	14
White	2,498	2,467	2,460	2,961	2,021	2,019	2,155	2,235
More than one race <sup>b</sup>	1	3	3	2	2	4	15	59
Unknown ethnicity/race	228	260	296	382	262	263	338	244
Temporary visa holders	1,879	1,807	1,764	1,946	1,619	1,696	1,878	2,017
Electrical engineering	7,201	6,788	7,026	7,367	7,439	7,340	7,174	7,193
U.S. citizens and permanent residents	2,588	2,546	2,315	2,182	2,241	2,119	2,014	2,007
Hispanic or Latino	184	208	179	161	164	159	153	151
Not Hispanic or Latino								
American Indian or Alaska Native	11	7	4	2	3	4	6	4
Asian <sup>b</sup>	972	925	709	597	615	568	548	548
Black or African American	194	189	180	180	183	172	172	174

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Native Hawaiian or Other Pacific Islander <sup>b</sup>	8	5	5	9	9	3	8	6
White	968	907	906	910	939	872	850	851
More than one race <sup>b</sup>	3	6	4	2	2	6	8	21
Unknown ethnicity/race	248	299	328	321	326	335	269	252
Temporary visa holders	4,613	4,242	4,711	5,185	5,198	5,221	5,160	5,186
Engineering science	465	419	451	412	409	471	478	438
U.S. citizens and permanent residents	254	235	250	211	208	244	237	209
Hispanic or Latino	6	7	3	5	6	12	16	12
Not Hispanic or Latino								
American Indian or Alaska Native	5	4	3	3	3	3	1	0
Asian <sup>b</sup>	43	41	45	41	37	31	27	31
Black or African American	12	10	11	7	7	12	12	9
Native Hawaiian or Other Pacific Islander <sup>b</sup>	0	0	0	2	2	1	0	0
White	173	152	168	134	135	163	148	132
More than one race <sup>b</sup>	0	1	1	0	0	1	0	2
Unknown ethnicity/race	15	20	19	19	18	21	33	23
Temporary visa holders	211	184	201	201	201	227	241	229
Industrial engineering	3,230	3,296	3,466	3,520	3,544	3,714	3,800	3,684
U.S. citizens and permanent residents	2,233	2,228	2,326	2,288	2,291	2,253	2,182	2,029
Hispanic or Latino	211	187	214	210	212	201	221	190
Not Hispanic or Latino								
American Indian or Alaska Native	11	16	17	14	15	18	14	8
Asian <sup>b</sup>	272	289	292	305	311	287	254	253
Black or African American	273	282	296	290	291	304	283	231
Native Hawaiian or Other Pacific Islander <sup>b</sup>	1	2	3	2	2	2	5	3
White	1,261	1,218	1,248	1,180	1,171	1,183	1,087	1,033
More than one race <sup>b</sup>	3	1	0	1	1	8	11	16
Unknown ethnicity/race	201	233	256	286	288	250	307	295
Temporary visa holders	997	1,068	1,140	1,232	1,253	1,461	1,618	1,655
Mechanical engineering	2,456	2,408	2,485	2,615	2,614	2,749	2,990	3,186
U.S. citizens and permanent residents	1,435	1,406	1,498	1,597	1,596	1,647	1,709	1,833
Hispanic or Latino	114	108	117	129	129	118	121	132
Not Hispanic or Latino								
American Indian or Alaska Native	6	7	4	6	6	6	5	7
Asian <sup>b</sup>	188	202	191	256	256	257	237	251
Black or African American	91	90	75	93	93	99	94	109
Native Hawaiian or Other Pacific Islander <sup>b</sup>	7	8	5	6	6	4	7	5
White	924	862	970	967	966	1,010	1,086	1,160
More than one race <sup>b</sup>	1	0	1	0	0	0	11	25
Unknown ethnicity/race	104	129	135	140	140	153	148	144
Temporary visa holders	1,021	1,002	987	1,018	1,018	1,102	1,281	1,353
Metallurgical/materials engineering	1,321	1,348	1,390	1,460	1,473	1,533	1,589	1,754
U.S. citizens and permanent residents	690	688	731	766	769	775	783	880
Hispanic or Latino	31	32	34	38	40	44	42	55
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	4	3	3	3	3	5
Asian <sup>b</sup>	90	91	97	120	119	137	136	143
Black or African American	48	49	61	59	58	59	48	57
Native Hawaiian or Other Pacific Islander <sup>b</sup>	6	5	2	6	6	5	0	0
White	489	482	483	493	495	497	500	570
More than one race <sup>b</sup>	1	1	1	1	1	4	8	11
Unknown ethnicity/race	25	28	49	46	47	26	46	39
Temporary visa holders	631	660	659	694	704	758	806	874

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Mining engineering	42	39	43	51	37	49	55	77
U.S. citizens and permanent residents	33	30	27	29	22	24	31	39
Hispanic or Latino	5	4	0	1	0	0	2	2
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	0	0	0
Asian <sup>b</sup>	1	2	0	0	0	3	2	0
Black or African American	0	0	0	1	0	2	3	4
Native Hawaiian or Other Pacific Islander <sup>b</sup>	0	0	0	0	0	0	0	0
White	25	22	26	26	22	19	23	30
More than one race <sup>b</sup>	0	0	0	0	0	0	0	1
Unknown ethnicity/race	2	2	1	1	0	0	1	2
Temporary visa holders	9	9	16	22	15	25	24	38
Nuclear engineering	196	211	214	226	221	214	198	228
U.S. citizens and permanent residents	123	143	146	157	153	165	148	181
Hispanic or Latino	7	10	7	9	9	10	5	13
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	0	0	0
Asian <sup>b</sup>	14	15	12	7	7	11	14	16
Black or African American	12	13	8	11	11	12	10	9
Native Hawaiian or Other Pacific Islander <sup>b</sup>	0	1	0	0	0	2	0	1
White	84	96	110	113	109	120	108	126
More than one race <sup>b</sup>	0	0	0	0	0	0	0	3
Unknown ethnicity/race	6	8	9	17	17	10	11	13
Temporary visa holders	73	68	68	69	68	49	50	47
Petroleum engineering	134	121	135	183	183	191	209	235
U.S. citizens and permanent residents	33	28	34	37	37	40	45	50
Hispanic or Latino	6	6	7	8	8	4	5	7
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	0	0	0
Asian <sup>b</sup>	7	2	2	2	2	4	3	4
Black or African American	4	4	3	7	7	6	6	6
Native Hawaiian or Other Pacific Islander <sup>b</sup>	0	0	0	0	0	0	0	0
White	14	14	19	18	18	25	30	31
More than one race <sup>b</sup>	0	0	0	0	0	0	0	1
Unknown ethnicity/race	2	2	3	2	2	1	1	1
Temporary visa holders	101	93	101	146	146	151	164	185
Engineering, nec	1,586	1,554	1,607	1,881	1,889	1,609	1,761	1,895
U.S. citizens and permanent residents	1,177	1,136	985	1,143	1,128	974	1,070	1,197
Hispanic or Latino	46	31	47	57	56	57	63	77
Not Hispanic or Latino								
American Indian or Alaska Native	5	3	7	6	5	3	3	8
Asian <sup>b</sup>	419	384	209	209	203	145	157	154
Black or African American	118	112	120	134	132	121	122	147
Native Hawaiian or Other Pacific Islander <sup>b</sup>	2	3	3	22	22	4	5	4
White	479	484	483	575	566	552	608	695
More than one race <sup>b</sup>	0	1	2	1	1	2	2	10
Unknown ethnicity/race	108	118	114	139	143	90	110	102
Temporary visa holders	409	418	622	738	761	635	691	698
Health <sup>a,c</sup>	75,884	80,627	86,719	81,376	80,217	79,182	65,371	56,690
U.S. citizens and permanent residents	71,829	76,416	82,221	76,882	75,860	74,537	60,687	52,240
Hispanic or Latino	4,446	4,567	4,990	4,745	4,679	4,354	3,905	3,551
Not Hispanic or Latino								
American Indian or Alaska Native	395	438	460	484	478	515	379	296
Asian <sup>b</sup>	4,673	5,002	5,374	4,877	4,767	4,582	4,014	3,628
Black or African American	6,492	6,806	7,532	6,903	6,851	6,889	6,020	5,684

TABLE 14. Female graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race of U.S. citizens and permanent residents: 2004–10

Field, citizenship, ethnicity, and race	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Native Hawaiian or Other Pacific Islander <sup>b</sup>	492	225	220	234	219	226	174	200
White	50,681	53,462	57,544	53,329	52,752	51,476	41,266	34,580
More than one race <sup>b</sup>	59	71	80	97	94	191	268	619
Unknown ethnicity/race	4,591	5,845	6,021	6,213	6,020	6,304	4,661	3,682
Temporary visa holders	4,055	4,211	4,498	4,494	4,357	4,645	4,684	4,450

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

nec = not elsewhere classified.

<sup>a</sup> In 2007, eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. Science fields "communication" and "family and consumer sciences/human sciences" are newly eligible; data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; data may have been reported under other fields before 2007. "Neuroscience" is reported as separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as separate field of engineering in 2007new; data were reported under "civil engineering" in 2007old and previous years. See appendix A in <http://www.nsf.gov/statistics/nsf10307/> for more detail.

<sup>b</sup> Reporting of ethnicity and race in 2008–10 has been affected by changes in reporting of ethnicity and race in Integrated Postsecondary Education Data System (IPEDS). Starting in 2008 IPEDS respondents were asked to use new classification that included category for two or more races (see <http://nces.ed.gov/ipeds/reic/resource.asp>) and separate reporting of Native Hawaiians and Other Pacific Islanders from Asians. New classification was optional in 2008 and 2009 IPEDS but mandatory in 2010 and may have contributed to significant increase in reporting of "Not Hispanic or Latino, More than one race."

<sup>c</sup> Beginning with 2008, more rigorous follow-up was done with institutions regarding exclusion of practitioner-oriented graduate degree programs in psychology and in other health (a subfield of health). This change may affect interpretation of trends in these fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.