

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
All surveyed fields	402,573	406,620	419,015	430,860	437,365	449,613	456,115	461,185
U.S. citizens and permanent residents	273,236	279,275	287,684	294,556	299,716	304,912	307,192	309,475
Hispanic or Latino	18,009	18,707	19,441	19,991	20,264	20,310	21,195	22,068
Not Hispanic or Latino								
American Indian or Alaska Native	1,560	1,600	1,778	1,834	1,874	2,140	2,028	1,933
Asian ^b	23,520	23,679	24,426	25,192	25,395	24,570	25,492	25,954
Black or African American	18,500	18,740	19,936	19,625	20,078	21,903	22,362	22,611
Native Hawaiian or Other Pacific Islander ^b	921	891	815	988	996	955	896	859
White	190,541	192,546	197,195	200,044	203,760	206,023	206,533	207,055
More than one race ^b	422	495	507	467	470	975	1,799	4,239
Unknown ethnicity/race	19,763	22,617	23,586	26,415	26,879	28,036	26,887	24,756
Temporary visa holders	129,337	127,345	131,331	136,304	137,649	144,701	148,923	151,710
Science and engineering	340,529	341,742	349,802	362,976	371,542	383,560	398,498	409,107
U.S. citizens and permanent residents	217,345	220,842	225,338	233,343	240,319	245,691	256,503	263,871
Hispanic or Latino	14,231	14,916	15,381	15,994	16,378	16,622	17,755	18,870
Not Hispanic or Latino								
American Indian or Alaska Native	1,252	1,293	1,443	1,445	1,492	1,733	1,716	1,690
Asian ^b	19,072	18,952	19,360	20,481	20,851	20,383	21,714	22,436
Black or African American	14,022	14,186	14,858	15,003	15,528	16,839	17,779	18,194
Native Hawaiian or Other Pacific Islander ^b	717	734	639	772	813	764	765	696
White	151,506	152,110	153,827	157,463	162,261	165,333	172,067	176,626
More than one race ^b	374	412	417	398	403	816	1,557	3,639
Unknown ethnicity/race	16,171	18,239	19,413	21,787	22,593	23,201	23,150	21,720
Temporary visa holders	123,184	120,900	124,464	129,633	131,223	137,869	141,995	145,236
Science	253,574	257,283	261,984	269,821	277,229	285,305	293,561	299,315
U.S. citizens and permanent residents	178,463	181,990	185,004	191,167	197,473	201,142	207,858	211,598
Hispanic or Latino	11,825	12,512	12,855	13,352	13,705	13,930	14,653	15,344
Not Hispanic or Latino								
American Indian or Alaska Native	1,097	1,134	1,257	1,267	1,310	1,520	1,507	1,483
Asian ^b	13,636	13,663	14,023	14,780	15,092	14,561	15,565	15,681
Black or African American	12,062	12,217	12,718	12,834	13,308	14,556	15,407	15,725
Native Hawaiian or Other Pacific Islander ^b	633	653	567	649	687	665	675	594
White	125,402	126,329	127,836	130,378	134,711	136,236	140,148	142,596
More than one race ^b	350	367	374	360	364	730	1,294	2,866
Unknown ethnicity/race	13,458	15,115	15,374	17,547	18,296	18,944	18,609	17,309
Temporary visa holders	75,111	75,293	76,980	78,654	79,756	84,163	85,703	87,717
Agricultural sciences	10,040	9,710	9,478	9,634	9,822	10,132	10,823	11,087
U.S. citizens and permanent residents	7,613	7,304	7,097	7,188	7,230	7,413	8,032	8,260
Hispanic or Latino	408	374	397	426	443	435	535	522
Not Hispanic or Latino								
American Indian or Alaska Native	59	50	59	60	61	82	84	90
Asian ^b	231	198	217	231	225	231	260	248
Black or African American	298	310	307	283	285	311	274	332
Native Hawaiian or Other Pacific Islander ^b	22	22	12	13	11	17	23	20
White	6,261	5,995	5,717	5,726	5,775	5,798	6,282	6,510
More than one race ^b	6	14	19	13	13	49	59	73
Unknown ethnicity/race	328	341	369	436	417	490	515	465
Temporary visa holders	2,427	2,406	2,381	2,446	2,592	2,719	2,791	2,827
Biological sciences	55,848	57,697	58,918	60,093	60,428	60,662	61,466	62,770
U.S. citizens and permanent residents	41,202	42,385	43,257	44,525	45,085	44,606	45,548	46,587
Hispanic or Latino	2,485	2,617	2,725	2,879	2,890	2,921	3,116	3,292
Not Hispanic or Latino								
American Indian or Alaska Native	204	223	266	248	250	271	275	312
Asian ^b	4,270	4,383	4,631	4,867	4,921	4,581	4,955	5,136
Black or African American	2,241	2,318	2,418	2,486	2,509	2,645	2,831	2,858

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Native Hawaiian or Other Pacific Islander ^b	267	226	218	219	246	243	226	194
White	29,270	29,917	30,331	30,750	30,900	30,493	30,541	31,225
More than one race ^b	86	104	84	73	75	152	219	542
Unknown ethnicity/race	2,379	2,597	2,584	3,003	3,294	3,300	3,385	3,028
Temporary visa holders	14,646	15,312	15,661	15,568	15,343	16,056	15,918	16,183
Communication ^a	ne	ne	ne	ne	4,528	5,224	6,091	6,274
U.S. citizens and permanent residents	ne	ne	ne	ne	3,549	4,058	4,757	5,001
Hispanic or Latino	ne	ne	ne	ne	196	253	264	326
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	21	31	35	42
Asian ^b	ne	ne	ne	ne	149	185	210	207
Black or African American	ne	ne	ne	ne	279	335	366	401
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	3	11	22	10
White	ne	ne	ne	ne	2,608	2,909	3,390	3,601
More than one race ^b	ne	ne	ne	ne	0	7	63	90
Unknown ethnicity/race	ne	ne	ne	ne	293	327	407	324
Temporary visa holders	ne	ne	ne	ne	979	1,166	1,334	1,273
Computer sciences	29,162	28,317	28,760	30,511	30,082	31,338	32,198	32,782
U.S. citizens and permanent residents	12,719	12,226	11,959	12,037	11,814	11,684	12,113	12,072
Hispanic or Latino	508	494	529	483	480	498	580	564
Not Hispanic or Latino								
American Indian or Alaska Native	49	41	48	43	41	65	61	61
Asian ^b	2,159	1,942	1,800	1,734	1,695	1,622	1,814	1,649
Black or African American	788	764	738	825	813	803	914	963
Native Hawaiian or Other Pacific Islander ^b	23	30	28	18	18	18	28	26
White	7,962	7,725	7,390	7,064	6,926	7,051	7,291	7,353
More than one race ^b	17	15	13	10	10	21	77	144
Unknown ethnicity/race	1,213	1,215	1,413	1,860	1,831	1,606	1,348	1,312
Temporary visa holders	16,443	16,091	16,801	18,474	18,268	19,654	20,085	20,710
Earth, atmospheric, and ocean sciences	11,685	11,370	11,431	11,376	10,892	11,171	11,589	12,318
U.S. citizens and permanent residents	9,122	8,871	8,924	8,926	8,547	8,668	9,060	9,670
Hispanic or Latino	418	409	425	416	395	418	473	522
Not Hispanic or Latino								
American Indian or Alaska Native	51	47	52	61	53	59	61	72
Asian ^b	332	287	294	323	303	295	309	315
Black or African American	194	170	186	196	191	207	223	228
Native Hawaiian or Other Pacific Islander ^b	16	25	17	11	9	12	18	11
White	7,582	7,400	7,356	7,312	7,026	6,989	7,243	7,735
More than one race ^b	23	13	12	11	11	25	43	119
Unknown ethnicity/race	506	520	582	596	559	663	690	668
Temporary visa holders	2,563	2,499	2,507	2,450	2,345	2,503	2,529	2,648
Family and consumer sciences/human sciences ^a	ne	ne	ne	ne	1,594	1,936	2,168	2,377
U.S. citizens and permanent residents	ne	ne	ne	ne	1,396	1,659	1,891	2,054
Hispanic or Latino	ne	ne	ne	ne	50	66	83	114
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	14	13	11	14
Asian ^b	ne	ne	ne	ne	61	83	81	95
Black or African American	ne	ne	ne	ne	142	155	229	218
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	0	0	1	1
White	ne	ne	ne	ne	1,046	1,198	1,377	1,443
More than one race ^b	ne	ne	ne	ne	2	3	3	20
Unknown ethnicity/race	ne	ne	ne	ne	81	141	106	149
Temporary visa holders	ne	ne	ne	ne	198	277	277	323

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Mathematical sciences	14,916	15,261	15,571	15,966	15,668	16,241	16,885	17,606
U.S. citizens and permanent residents	8,225	8,534	8,749	9,063	8,943	8,942	9,283	9,766
Hispanic or Latino	365	380	419	459	455	429	484	532
Not Hispanic or Latino								
American Indian or Alaska Native	19	25	40	31	29	37	32	38
Asian ^b	825	846	865	855	829	820	882	941
Black or African American	392	414	420	423	422	402	433	425
Native Hawaiian or Other Pacific Islander ^b	24	25	22	25	25	29	40	18
White	6,016	6,155	6,259	6,423	6,352	6,465	6,636	6,882
More than one race ^b	21	13	10	10	10	19	62	134
Unknown ethnicity/race	563	676	714	837	821	741	714	796
Temporary visa holders	6,691	6,727	6,822	6,903	6,725	7,299	7,602	7,840
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	2,398	3,110	3,957	5,063
U.S. citizens and permanent residents	ne	ne	ne	ne	1,830	2,344	3,087	3,995
Hispanic or Latino	ne	ne	ne	ne	110	167	190	349
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	23	34	33	34
Asian ^b	ne	ne	ne	ne	110	129	170	222
Black or African American	ne	ne	ne	ne	131	169	233	320
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	8	7	11	5
White	ne	ne	ne	ne	1,159	1,472	1,904	2,546
More than one race ^b	ne	ne	ne	ne	1	6	9	47
Unknown ethnicity/race	ne	ne	ne	ne	288	360	537	472
Temporary visa holders	ne	ne	ne	ne	568	766	870	1,068
Neuroscience ^a	na	na	na	na	1,530	1,909	2,261	2,682
U.S. citizens and permanent residents	na	na	na	na	1,203	1,544	1,864	2,222
Hispanic or Latino	na	na	na	na	75	96	116	162
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	7	11	12	10
Asian ^b	na	na	na	na	132	168	205	223
Black or African American	na	na	na	na	55	60	81	82
Native Hawaiian or Other Pacific Islander ^b	na	na	na	na	4	6	4	5
White	na	na	na	na	865	1,091	1,284	1,579
More than one race ^b	na	na	na	na	0	2	7	11
Unknown ethnicity/race	na	na	na	na	65	110	155	150
Temporary visa holders	na	na	na	na	327	365	397	460
Physical sciences	31,675	32,400	32,841	33,091	32,857	33,254	34,181	34,856
U.S. citizens and permanent residents	18,078	18,595	18,979	19,460	19,288	19,360	19,996	20,511
Hispanic or Latino	1,026	1,055	1,032	1,061	1,057	1,047	1,105	1,164
Not Hispanic or Latino								
American Indian or Alaska Native	68	70	102	91	89	89	96	83
Asian ^b	1,336	1,321	1,405	1,576	1,564	1,454	1,512	1,515
Black or African American	802	784	785	772	770	786	800	820
Native Hawaiian or Other Pacific Islander ^b	30	29	32	36	35	30	45	31
White	13,725	14,200	14,245	14,544	14,404	14,439	14,904	15,224
More than one race ^b	20	34	22	24	24	59	74	244
Unknown ethnicity/race	1,071	1,102	1,356	1,356	1,345	1,456	1,460	1,430
Temporary visa holders	13,597	13,805	13,862	13,631	13,569	13,894	14,185	14,345
Psychology ^c	37,872	38,919	38,994	41,166	40,678	42,103	40,373	38,571
U.S. citizens and permanent residents	35,211	36,435	36,630	38,550	38,134	39,542	37,881	36,058
Hispanic or Latino	3,353	3,494	3,527	3,670	3,652	3,807	3,451	3,392
Not Hispanic or Latino								
American Indian or Alaska Native	248	240	243	246	246	280	256	250
Asian ^b	1,693	1,685	1,824	2,009	1,983	2,028	1,919	1,830
Black or African American	2,761	2,856	2,986	2,910	2,877	3,423	3,453	3,414

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Native Hawaiian or Other Pacific Islander ^b	60	99	75	104	106	83	77	83
White	23,707	23,909	24,420	25,701	25,396	25,579	24,906	23,402
More than one race ^b	55	58	66	66	66	109	244	471
Unknown ethnicity/race	3,334	4,094	3,489	3,844	3,808	4,233	3,575	3,216
Temporary visa holders	2,661	2,484	2,364	2,616	2,544	2,561	2,492	2,513
Social sciences	62,376	63,609	65,991	67,984	66,752	68,225	71,569	72,929
U.S. citizens and permanent residents	46,293	47,640	49,409	51,418	50,454	51,322	54,346	55,402
Hispanic or Latino	3,262	3,689	3,801	3,958	3,902	3,793	4,256	4,405
Not Hispanic or Latino								
American Indian or Alaska Native	399	438	447	487	476	548	551	477
Asian ^b	2,790	3,001	2,987	3,185	3,120	2,965	3,248	3,300
Black or African American	4,586	4,601	4,878	4,939	4,834	5,260	5,570	5,664
Native Hawaiian or Other Pacific Islander ^b	191	197	163	223	222	209	180	190
White	30,879	31,028	32,118	32,858	32,254	32,752	34,390	35,096
More than one race ^b	122	116	148	153	152	278	434	971
Unknown ethnicity/race	4,064	4,570	4,867	5,615	5,494	5,517	5,717	5,299
Temporary visa holders	16,083	15,969	16,582	16,566	16,298	16,903	17,223	17,527
Engineering	86,955	84,459	87,818	93,155	94,313	98,255	104,937	109,792
U.S. citizens and permanent residents	38,882	38,852	40,334	42,176	42,846	44,549	48,645	52,273
Hispanic or Latino	2,406	2,404	2,526	2,642	2,673	2,692	3,102	3,526
Not Hispanic or Latino								
American Indian or Alaska Native	155	159	186	178	182	213	209	207
Asian ^b	5,436	5,289	5,337	5,701	5,759	5,822	6,149	6,755
Black or African American	1,960	1,969	2,140	2,169	2,220	2,283	2,372	2,469
Native Hawaiian or Other Pacific Islander ^b	84	81	72	123	126	99	90	102
White	26,104	25,781	25,991	27,085	27,550	29,097	31,919	34,030
More than one race ^b	24	45	43	38	39	86	263	773
Unknown ethnicity/race	2,713	3,124	4,039	4,240	4,297	4,257	4,541	4,411
Temporary visa holders	48,073	45,607	47,484	50,979	51,467	53,706	56,292	57,519
Aerospace engineering	3,243	3,241	3,374	3,482	3,482	3,691	3,974	4,211
U.S. citizens and permanent residents	1,695	1,763	2,047	2,116	2,116	2,264	2,454	2,721
Hispanic or Latino	75	80	86	95	95	101	119	156
Not Hispanic or Latino								
American Indian or Alaska Native	9	8	9	9	9	16	11	5
Asian ^b	148	172	203	216	216	233	241	301
Black or African American	42	47	49	57	57	83	70	55
Native Hawaiian or Other Pacific Islander ^b	2	1	1	0	0	3	7	2
White	1,300	1,313	1,322	1,486	1,486	1,560	1,697	1,877
More than one race ^b	1	1	0	1	1	1	18	40
Unknown ethnicity/race	118	141	377	252	252	267	291	285
Temporary visa holders	1,548	1,478	1,327	1,366	1,366	1,427	1,520	1,490
Agricultural engineering	842	855	893	917	917	1,022	1,084	1,198
U.S. citizens and permanent residents	430	392	388	401	401	425	483	491
Hispanic or Latino	6	11	13	9	9	17	22	22
Not Hispanic or Latino								
American Indian or Alaska Native	0	1	3	1	1	0	0	3
Asian ^b	38	32	29	22	22	22	18	26
Black or African American	22	19	20	18	18	17	28	29
Native Hawaiian or Other Pacific Islander ^b	1	1	1	2	2	0	1	0
White	354	311	307	322	322	351	386	373
More than one race ^b	0	0	1	2	2	0	1	5
Unknown ethnicity/race	9	17	14	25	25	18	27	33
Temporary visa holders	412	463	505	516	516	597	601	707

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Architecture ^a	na	na	na	na	4,097	5,211	6,112	6,079
U.S. citizens and permanent residents	na	na	na	na	3,259	4,230	4,996	4,916
Hispanic or Latino	na	na	na	na	184	332	404	376
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	15	32	32	35
Asian ^b	na	na	na	na	210	267	291	321
Black or African American	na	na	na	na	172	217	230	211
Native Hawaiian or Other Pacific Islander ^b	na	na	na	na	4	6	5	7
White	na	na	na	na	2,382	3,008	3,546	3,509
More than one race ^b	na	na	na	na	1	10	31	88
Unknown ethnicity/race	na	na	na	na	291	358	457	369
Temporary visa holders	na	na	na	na	838	981	1,116	1,163
Biomedical engineering	5,047	5,254	5,666	5,898	5,921	6,262	6,859	7,418
U.S. citizens and permanent residents	3,190	3,378	3,718	3,880	3,897	4,087	4,485	5,004
Hispanic or Latino	151	151	199	219	219	183	244	270
Not Hispanic or Latino								
American Indian or Alaska Native	14	12	17	18	18	19	17	13
Asian ^b	646	669	751	823	824	806	956	1,052
Black or African American	166	169	184	178	178	182	202	197
Native Hawaiian or Other Pacific Islander ^b	13	10	13	12	12	20	14	13
White	1,999	2,099	2,270	2,249	2,265	2,504	2,700	3,046
More than one race ^b	0	5	9	8	8	11	38	73
Unknown ethnicity/race	201	263	275	373	373	362	314	340
Temporary visa holders	1,857	1,876	1,948	2,018	2,024	2,175	2,374	2,414
Chemical engineering	6,379	6,139	6,218	6,275	6,459	6,762	7,110	7,516
U.S. citizens and permanent residents	2,999	2,921	2,977	2,925	3,011	3,079	3,304	3,504
Hispanic or Latino	208	204	223	207	207	191	189	230
Not Hispanic or Latino								
American Indian or Alaska Native	25	23	16	13	13	13	13	17
Asian ^b	346	365	400	364	374	399	440	494
Black or African American	137	116	120	119	124	119	128	126
Native Hawaiian or Other Pacific Islander ^b	2	10	7	15	15	2	2	11
White	2,158	2,056	2,064	2,051	2,122	2,170	2,315	2,346
More than one race ^b	4	12	3	1	1	9	11	34
Unknown ethnicity/race	119	135	144	155	155	176	206	246
Temporary visa holders	3,380	3,218	3,241	3,350	3,448	3,683	3,806	4,012
Civil engineering ^a	13,588	13,196	13,074	14,691	11,336	11,909	13,503	14,191
U.S. citizens and permanent residents	7,467	7,474	7,520	8,863	6,175	6,378	7,543	7,989
Hispanic or Latino	562	590	618	668	515	456	561	689
Not Hispanic or Latino								
American Indian or Alaska Native	33	32	43	52	40	32	34	32
Asian ^b	633	603	570	689	519	545	694	783
Black or African American	262	273	308	409	286	266	313	341
Native Hawaiian or Other Pacific Islander ^b	7	14	10	16	15	10	14	22
White	5,524	5,441	5,337	6,275	4,288	4,524	5,083	5,317
More than one race ^b	1	4	4	5	5	12	37	232
Unknown ethnicity/race	445	517	630	749	507	533	807	573
Temporary visa holders	6,121	5,722	5,554	5,828	5,161	5,531	5,960	6,202
Electrical engineering	26,732	25,849	27,379	28,934	29,076	29,212	29,282	29,977
U.S. citizens and permanent residents	8,792	8,790	8,696	8,421	8,448	8,486	8,362	8,904
Hispanic or Latino	560	578	539	522	522	507	530	638
Not Hispanic or Latino								
American Indian or Alaska Native	27	26	28	29	30	33	33	32
Asian ^b	1,979	1,969	1,823	1,623	1,625	1,666	1,656	1,677
Black or African American	477	462	497	467	470	468	481	532

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Native Hawaiian or Other Pacific Islander ^b	24	14	8	40	40	25	14	15
White	5,050	4,967	4,785	4,777	4,798	4,674	4,737	5,016
More than one race ^b	11	15	15	11	11	13	38	102
Unknown ethnicity/race	664	759	1,001	952	952	1,100	873	892
Temporary visa holders	17,940	17,059	18,683	20,513	20,628	20,726	20,920	21,073
Engineering science	1,741	1,613	1,656	1,454	1,432	1,486	1,490	1,502
U.S. citizens and permanent residents	848	827	861	763	743	784	754	773
Hispanic or Latino	31	29	30	23	22	33	38	44
Not Hispanic or Latino								
American Indian or Alaska Native	9	9	7	6	5	4	4	1
Asian ^b	123	119	123	128	117	109	95	108
Black or African American	26	22	34	23	23	24	24	26
Native Hawaiian or Other Pacific Islander ^b	1	0	1	2	2	3	0	0
White	616	594	600	524	522	532	502	502
More than one race ^b	1	3	3	1	1	1	4	13
Unknown ethnicity/race	41	51	63	56	51	78	87	79
Temporary visa holders	893	786	795	691	689	702	736	729
Industrial engineering	6,591	6,113	6,421	7,036	7,422	8,216	8,362	8,371
U.S. citizens and permanent residents	2,562	2,549	2,796	2,657	2,882	3,144	3,251	3,314
Hispanic or Latino	233	210	211	199	209	221	248	266
Not Hispanic or Latino								
American Indian or Alaska Native	10	15	22	8	10	12	16	13
Asian ^b	298	284	327	354	403	363	341	381
Black or African American	253	255	276	270	271	348	322	270
Native Hawaiian or Other Pacific Islander ^b	5	3	7	3	4	1	9	4
White	1,515	1,500	1,511	1,400	1,487	1,779	1,836	1,819
More than one race ^b	1	1	0	0	0	7	27	27
Unknown ethnicity/race	247	281	442	423	498	413	452	534
Temporary visa holders	4,029	3,564	3,625	4,379	4,540	5,072	5,111	5,057
Mechanical engineering	12,718	12,178	12,666	13,170	13,160	13,763	15,609	16,625
U.S. citizens and permanent residents	5,810	5,712	6,026	6,411	6,404	6,567	7,462	8,273
Hispanic or Latino	347	331	371	417	417	402	447	502
Not Hispanic or Latino								
American Indian or Alaska Native	18	20	23	25	25	24	28	32
Asian ^b	567	547	559	848	849	798	775	890
Black or African American	243	282	283	261	260	250	272	310
Native Hawaiian or Other Pacific Islander ^b	16	10	20	9	9	15	13	15
White	4,242	4,117	4,332	4,352	4,345	4,518	5,286	5,850
More than one race ^b	2	1	4	5	5	8	32	93
Unknown ethnicity/race	375	404	434	494	494	552	609	581
Temporary visa holders	6,908	6,466	6,640	6,759	6,756	7,196	8,147	8,352
Metallurgical/materials engineering	4,359	4,507	4,627	4,667	4,613	4,811	5,181	5,551
U.S. citizens and permanent residents	1,996	2,066	2,237	2,257	2,235	2,302	2,475	2,660
Hispanic or Latino	75	81	83	95	96	94	126	140
Not Hispanic or Latino								
American Indian or Alaska Native	3	4	6	8	8	12	9	9
Asian ^b	278	267	289	282	279	300	309	353
Black or African American	78	80	114	114	110	98	85	102
Native Hawaiian or Other Pacific Islander ^b	7	7	1	9	9	5	1	2
White	1,466	1,534	1,592	1,583	1,558	1,635	1,780	1,873
More than one race ^b	2	1	3	2	2	7	14	30
Unknown ethnicity/race	87	92	149	164	173	151	151	151
Temporary visa holders	2,363	2,441	2,390	2,410	2,378	2,509	2,706	2,891

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Mining engineering	238	212	181	209	142	207	212	361
U.S. citizens and permanent residents	135	111	78	104	65	93	110	146
Hispanic or Latino	5	6	3	5	3	7	9	4
Not Hispanic or Latino								
American Indian or Alaska Native	1	0	1	0	0	2	1	1
Asian ^b	5	3	0	6	5	7	8	4
Black or African American	4	3	2	5	0	3	7	11
Native Hawaiian or Other Pacific Islander ^b	1	0	0	0	0	0	0	0
White	112	82	64	83	53	72	82	114
More than one race ^b	0	0	0	0	0	0	0	2
Unknown ethnicity/race	7	17	8	5	4	2	3	10
Temporary visa holders	103	101	103	105	77	114	102	215
Nuclear engineering	809	840	910	960	951	941	968	1,123
U.S. citizens and permanent residents	470	515	610	706	704	691	702	846
Hispanic or Latino	21	26	36	35	35	36	32	43
Not Hispanic or Latino								
American Indian or Alaska Native	2	3	2	2	2	3	3	3
Asian ^b	33	35	31	42	42	41	45	59
Black or African American	15	17	15	15	15	19	16	13
Native Hawaiian or Other Pacific Islander ^b	0	2	0	0	0	5	1	2
White	375	407	478	516	514	536	541	638
More than one race ^b	0	0	0	0	0	1	0	12
Unknown ethnicity/race	24	25	48	96	96	50	64	76
Temporary visa holders	339	325	300	254	247	250	266	277
Petroleum engineering	660	631	647	792	792	828	993	1,063
U.S. citizens and permanent residents	119	103	104	135	135	113	139	184
Hispanic or Latino	12	11	10	10	10	6	9	12
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	0	0	0
Asian ^b	19	10	10	11	11	8	14	29
Black or African American	14	19	14	29	29	19	12	19
Native Hawaiian or Other Pacific Islander ^b	0	0	0	0	0	0	0	0
White	66	59	57	72	72	72	100	113
More than one race ^b	1	0	0	0	0	0	0	2
Unknown ethnicity/race	7	4	13	13	13	8	4	9
Temporary visa holders	541	528	543	657	657	715	854	879
Engineering, nec	4,008	3,831	4,106	4,670	4,513	3,934	4,198	4,606
U.S. citizens and permanent residents	2,369	2,251	2,276	2,537	2,371	1,906	2,125	2,548
Hispanic or Latino	120	96	104	138	130	106	124	134
Not Hispanic or Latino								
American Indian or Alaska Native	4	6	9	7	6	11	8	11
Asian ^b	323	214	222	293	263	258	266	277
Black or African American	221	205	224	204	207	170	182	227
Native Hawaiian or Other Pacific Islander ^b	5	9	3	15	14	4	9	9
White	1,327	1,301	1,272	1,395	1,336	1,162	1,328	1,637
More than one race ^b	0	2	1	2	2	6	12	20
Unknown ethnicity/race	369	418	441	483	413	189	196	233
Temporary visa holders	1,639	1,580	1,830	2,133	2,142	2,028	2,073	2,058
Health ^{a,c}	62,044	64,878	69,213	67,884	65,823	66,053	57,617	52,078
U.S. citizens and permanent residents	55,891	58,433	62,346	61,213	59,397	59,221	50,689	45,604
Hispanic or Latino	3,778	3,791	4,060	3,997	3,886	3,688	3,440	3,198
Not Hispanic or Latino								
American Indian or Alaska Native	308	307	335	389	382	407	312	243
Asian ^b	4,448	4,727	5,066	4,711	4,544	4,187	3,778	3,518
Black or African American	4,478	4,554	5,078	4,622	4,550	5,064	4,583	4,417

TABLE 15. Full-time 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 ^a	2007new ^a	2008	2009	2010
Native Hawaiian or Other Pacific Islander ^b	204	157	176	216	183	191	131	163
White	39,035	40,436	43,368	42,581	41,499	40,690	34,466	30,429
More than one race ^b	48	83	90	69	67	159	242	600
Unknown ethnicity/race	3,592	4,378	4,173	4,628	4,286	4,835	3,737	3,036
Temporary visa holders	6,153	6,445	6,867	6,671	6,426	6,832	6,928	6,474

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.

^a 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.

^b 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."

^c 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.