

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
All surveyed fields	582,226	597,643	607,823	619,499	631,489	631,645	632,652	626,820
U.S. citizens and permanent residents ^b	434,730	446,625	450,251	460,294	463,450	459,648	458,492	450,523
Hispanic or Latino	29,309	30,510	31,110	31,700	31,648	32,336	33,375	35,028
Not Hispanic or Latino								
American Indian or Alaska Native	2,485	2,689	2,777	2,862	3,286	3,042	2,884	2,741
Asian ^c	36,432	36,635	36,924	37,297	36,579	37,310	37,228	37,516
Black or African American	33,547	34,866	34,934	35,923	37,047	37,349	38,199	38,902
Native Hawaiian or Other Pacific Islander ^c	1,332	1,228	1,472	1,485	1,426	1,350	1,354	1,318
White	292,276	299,275	298,917	306,001	306,989	302,677	299,993	293,640
More than one race ^c	629	608	662	667	1,556	2,645	5,816	6,899
Unknown ethnicity/race	38,720	40,814	43,455	44,359	44,919	42,939	39,643	34,479
Temporary visa holders	147,496	151,018	157,572	159,205	168,039	171,997	174,160	176,297
Science and engineering	478,275	486,287	502,375	516,199	529,275	545,685	556,532	560,941
U.S. citizens and permanent residents ^b	338,513	343,603	353,142	365,091	369,781	382,342	390,403	392,160
Hispanic or Latino	23,387	24,140	25,032	25,739	26,098	27,265	28,609	30,808
Not Hispanic or Latino								
American Indian or Alaska Native	1,958	2,112	2,168	2,262	2,618	2,549	2,500	2,392
Asian ^c	29,547	29,232	30,134	30,697	30,356	31,754	32,185	33,147
Black or African American	25,248	25,664	26,565	27,637	28,680	29,973	31,094	32,197
Native Hawaiian or Other Pacific Islander ^c	1,027	947	1,145	1,200	1,121	1,125	1,088	1,008
White	225,776	227,993	232,043	240,204	242,623	250,443	255,256	256,096
More than one race ^c	528	501	543	551	1,319	2,300	4,989	6,103
Unknown ethnicity/race	31,042	33,014	35,512	36,801	36,966	36,933	34,682	30,409
Temporary visa holders	139,762	142,684	149,233	151,108	159,494	163,343	166,129	168,781
Science	357,710	363,246	372,120	384,523	391,419	401,008	407,291	414,440
U.S. citizens and permanent residents ^b	271,962	275,905	282,785	293,792	295,530	303,700	308,108	312,846
Hispanic or Latino	19,297	19,759	20,515	21,176	21,382	22,047	22,969	24,889
Not Hispanic or Latino								
American Indian or Alaska Native	1,685	1,822	1,882	1,972	2,272	2,205	2,171	2,075
Asian ^c	19,952	20,182	20,818	21,261	20,808	21,976	21,915	23,000
Black or African American	21,778	22,092	22,881	23,862	24,694	25,801	26,914	28,129
Native Hawaiian or Other Pacific Islander ^c	892	818	946	998	965	976	914	842
White	182,908	184,700	187,292	194,875	195,037	200,047	202,386	205,437
More than one race ^c	454	448	457	464	1,147	1,950	3,987	4,865
Unknown ethnicity/race	24,996	26,084	27,994	29,184	29,225	28,698	26,852	23,609
Temporary visa holders	85,748	87,341	89,335	90,731	95,889	97,308	99,183	101,594
Agricultural sciences	13,123	13,016	13,222	13,528	14,153	15,200	15,656	16,129
U.S. citizens and permanent residents ^b	10,464	10,341	10,487	10,631	11,047	11,938	12,416	12,702
Hispanic or Latino	506	535	576	604	611	749	770	809
Not Hispanic or Latino								
American Indian or Alaska Native	76	85	87	88	130	134	146	97
Asian ^c	264	311	311	320	352	366	340	364
Black or African American	417	453	431	434	470	406	482	499
Native Hawaiian or Other Pacific Islander ^c	26	27	22	20	32	33	37	27
White	8,662	8,384	8,452	8,572	8,725	9,421	9,867	10,142
More than one race ^c	19	21	15	15	53	66	109	141
Unknown ethnicity/race	494	525	593	578	674	763	665	623
Temporary visa holders	2,659	2,675	2,735	2,897	3,106	3,262	3,240	3,427
Biological sciences	68,479	69,941	71,663	71,932	72,666	73,304	74,928	75,423
U.S. citizens and permanent residents ^b	52,012	53,034	54,784	55,305	55,112	55,955	57,497	57,905
Hispanic or Latino	3,146	3,289	3,470	3,474	3,498	3,719	3,970	4,224
Not Hispanic or Latino								
American Indian or Alaska Native	277	310	300	302	335	330	361	330
Asian ^c	5,157	5,467	5,738	5,802	5,513	5,878	6,105	6,519
Black or African American	2,991	3,071	3,303	3,320	3,394	3,575	3,653	3,591
Native Hawaiian or Other Pacific Islander ^c	263	242	278	311	286	286	242	210

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
White	36,627	37,163	37,605	37,682	37,585	37,464	38,386	38,585
More than one race ^c	113	86	78	81	192	265	635	782
Unknown ethnicity/race	3,438	3,406	4,012	4,333	4,309	4,438	4,145	3,664
Temporary visa holders	16,467	16,907	16,879	16,627	17,554	17,349	17,431	17,518
Communication ^a	ne	ne	ne	7,303	8,444	9,418	9,825	11,029
U.S. citizens and permanent residents ^b	ne	ne	ne	6,150	7,049	7,806	8,301	9,386
Hispanic or Latino	ne	ne	ne	386	437	443	563	707
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	32	50	52	63	60
Asian ^c	ne	ne	ne	239	289	323	309	363
Black or African American	ne	ne	ne	516	644	688	785	1,015
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	4	16	25	18	19
White	ne	ne	ne	4,400	4,880	5,506	5,848	6,538
More than one race ^c	ne	ne	ne	1	23	86	119	151
Unknown ethnicity/race	ne	ne	ne	572	710	683	596	533
Temporary visa holders	ne	ne	ne	1,153	1,395	1,612	1,524	1,643
Computer sciences	47,978	47,653	48,959	48,246	49,553	51,161	51,546	51,234
U.S. citizens and permanent residents ^b	27,409	26,675	25,957	25,441	25,316	26,325	26,170	25,656
Hispanic or Latino	1,199	1,207	1,191	1,170	1,227	1,371	1,455	1,618
Not Hispanic or Latino								
American Indian or Alaska Native	100	105	96	94	130	128	125	101
Asian ^c	4,501	4,149	3,790	3,685	3,578	3,854	3,543	3,475
Black or African American	1,761	1,774	1,865	1,834	1,889	2,088	2,228	2,134
Native Hawaiian or Other Pacific Islander ^c	72	73	48	47	40	62	59	45
White	16,555	15,943	15,089	14,811	14,930	15,533	15,604	15,417
More than one race ^c	22	18	14	14	48	121	298	363
Unknown ethnicity/race	3,199	3,406	3,864	3,786	3,474	3,168	2,858	2,503
Temporary visa holders	20,569	20,978	23,002	22,805	24,237	24,836	25,376	25,578
Earth, atmospheric, and ocean sciences	14,836	14,920	14,675	14,100	14,389	14,839	15,655	15,820
U.S. citizens and permanent residents ^b	12,058	12,153	11,952	11,488	11,612	12,082	12,729	12,730
Hispanic or Latino	508	540	555	522	525	585	669	698
Not Hispanic or Latino								
American Indian or Alaska Native	61	69	88	80	74	75	102	109
Asian ^c	364	363	403	372	372	389	402	425
Black or African American	262	263	279	272	301	311	328	321
Native Hawaiian or Other Pacific Islander ^c	36	26	18	16	15	26	19	16
White	10,126	10,116	9,783	9,443	9,354	9,651	10,141	10,145
More than one race ^c	16	14	13	13	37	55	146	174
Unknown ethnicity/race	685	762	813	770	934	990	922	842
Temporary visa holders	2,778	2,767	2,723	2,612	2,777	2,757	2,926	3,090
Family and consumer sciences/human sciences ^a	ne	ne	ne	2,780	3,549	3,794	4,191	4,509
U.S. citizens and permanent residents ^b	ne	ne	ne	2,534	3,214	3,452	3,804	4,075
Hispanic or Latino	ne	ne	ne	87	135	158	205	248
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	23	22	23	26	24
Asian ^c	ne	ne	ne	90	145	136	147	145
Black or African American	ne	ne	ne	322	397	538	595	687
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	0	0	1	2	9
White	ne	ne	ne	1,870	2,247	2,390	2,548	2,700
More than one race ^c	ne	ne	ne	3	9	5	37	46
Unknown ethnicity/race	ne	ne	ne	139	259	201	244	216
Temporary visa holders	ne	ne	ne	246	335	342	387	434

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
Mathematical sciences	20,210	20,815	21,335	20,975	21,400	22,226	23,136	23,801
U.S. citizens and permanent residents ^b	12,768	13,219	13,608	13,432	13,235	13,911	14,521	14,651
Hispanic or Latino	633	695	764	758	710	788	794	892
Not Hispanic or Latino								
American Indian or Alaska Native	38	59	47	45	58	47	51	54
Asian ^c	1,335	1,378	1,379	1,348	1,304	1,389	1,501	1,603
Black or African American	720	711	711	708	681	730	740	760
Native Hawaiian or Other Pacific Islander ^c	37	35	39	39	56	68	34	17
White	8,916	9,201	9,329	9,219	9,154	9,527	9,722	10,031
More than one race ^c	17	18	15	15	25	147	248	168
Unknown ethnicity/race	1,072	1,122	1,324	1,300	1,247	1,215	1,431	1,126
Temporary visa holders	7,442	7,596	7,727	7,543	8,165	8,315	8,615	9,150
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	4,484	5,559	6,557	7,944	6,537
U.S. citizens and permanent residents ^b	ne	ne	ne	3,788	4,653	5,528	6,707	5,495
Hispanic or Latino	ne	ne	ne	253	360	401	617	461
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	52	55	54	50	43
Asian ^c	ne	ne	ne	209	243	288	343	286
Black or African American	ne	ne	ne	320	388	480	561	476
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	15	13	14	8	9
White	ne	ne	ne	2,457	2,959	3,422	4,199	3,579
More than one race ^c	ne	ne	ne	1	7	32	72	85
Unknown ethnicity/race	ne	ne	ne	481	628	837	857	556
Temporary visa holders	ne	ne	ne	696	906	1,029	1,237	1,042
Neuroscience ^a	na	na	na	1,584	2,012	2,356	2,798	4,117
U.S. citizens and permanent residents ^b	na	na	na	1,253	1,634	1,949	2,332	3,469
Hispanic or Latino	na	na	na	81	100	118	166	269
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	7	11	12	10	17
Asian ^c	na	na	na	137	180	218	244	380
Black or African American	na	na	na	61	67	88	86	132
Native Hawaiian or Other Pacific Islander ^c	na	na	na	4	6	4	5	10
White	na	na	na	893	1,153	1,326	1,650	2,385
More than one race ^c	na	na	na	0	2	7	13	51
Unknown ethnicity/race	na	na	na	70	115	176	158	225
Temporary visa holders	na	na	na	331	378	407	466	648
Physical sciences	36,375	36,901	37,111	36,824	37,319	38,149	38,973	39,694
U.S. citizens and permanent residents ^b	21,675	22,144	22,636	22,417	22,556	23,071	23,652	24,138
Hispanic or Latino	1,242	1,256	1,270	1,264	1,268	1,282	1,364	1,405
Not Hispanic or Latino								
American Indian or Alaska Native	82	118	105	103	111	119	102	104
Asian ^c	1,590	1,713	1,847	1,833	1,735	1,818	1,785	1,974
Black or African American	1,006	1,009	984	980	1,009	979	1,008	1,003
Native Hawaiian or Other Pacific Islander ^c	41	40	45	44	36	53	38	46
White	16,299	16,325	16,628	16,451	16,520	16,933	17,319	17,656
More than one race ^c	35	25	28	28	85	90	268	326
Unknown ethnicity/race	1,380	1,658	1,729	1,714	1,792	1,797	1,768	1,624
Temporary visa holders	14,700	14,757	14,475	14,407	14,763	15,078	15,321	15,556
Psychology ^d	57,282	57,653	60,284	59,617	58,991	56,184	53,419	54,486
U.S. citizens and permanent residents ^b	54,228	54,802	57,171	56,574	55,912	53,246	50,332	51,398
Hispanic or Latino	5,101	5,222	5,526	5,506	5,543	5,003	4,859	5,396
Not Hispanic or Latino								
American Indian or Alaska Native	332	344	404	402	398	384	353	356
Asian ^c	2,417	2,500	2,771	2,741	2,687	2,562	2,429	2,430
Black or African American	5,238	5,089	5,140	5,100	5,358	5,393	5,442	5,806
Native Hawaiian or Other Pacific Islander ^c	134	112	125	128	123	97	122	119

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
White	34,359	35,045	36,976	36,519	35,530	34,342	32,043	32,350
More than one race ^c	70	75	73	73	173	387	658	808
Unknown ethnicity/race	6,577	6,415	6,156	6,105	6,100	5,078	4,426	4,133
Temporary visa holders	3,054	2,851	3,113	3,043	3,079	2,938	3,087	3,088
Social sciences	99,427	102,347	104,871	103,150	103,384	107,820	109,220	111,661
U.S. citizens and permanent residents ^b	81,348	83,537	86,190	84,779	84,190	88,437	89,647	91,241
Hispanic or Latino	6,962	7,015	7,163	7,071	6,968	7,430	7,537	8,162
Not Hispanic or Latino								
American Indian or Alaska Native	719	732	755	744	898	847	782	780
Asian ^c	4,324	4,301	4,579	4,485	4,410	4,755	4,767	5,036
Black or African American	9,383	9,722	10,168	9,995	10,096	10,525	11,006	11,705
Native Hawaiian or Other Pacific Islander ^c	283	263	371	370	342	307	330	315
White	51,364	52,523	53,430	52,558	52,000	54,532	55,059	55,909
More than one race ^c	162	191	221	220	493	689	1,384	1,770
Unknown ethnicity/race	8,151	8,790	9,503	9,336	8,983	9,352	8,782	7,564
Temporary visa holders	18,079	18,810	18,681	18,371	19,194	19,383	19,573	20,420
Engineering	120,565	123,041	130,255	131,676	137,856	144,677	149,241	146,501
U.S. citizens and permanent residents ^b	66,551	67,698	70,357	71,299	74,251	78,642	82,295	79,314
Hispanic or Latino	4,090	4,381	4,517	4,563	4,716	5,218	5,640	5,919
Not Hispanic or Latino								
American Indian or Alaska Native	273	290	286	290	346	344	329	317
Asian ^c	9,595	9,050	9,316	9,436	9,548	9,778	10,270	10,147
Black or African American	3,470	3,572	3,684	3,775	3,986	4,172	4,180	4,068
Native Hawaiian or Other Pacific Islander ^c	135	129	199	202	156	149	174	166
White	42,868	43,293	44,751	45,329	47,586	50,396	52,870	50,659
More than one race ^c	74	53	86	87	172	350	1,002	1,238
Unknown ethnicity/race	6,046	6,930	7,518	7,617	7,741	8,235	7,830	6,800
Temporary visa holders	54,014	55,343	59,898	60,377	63,605	66,035	66,946	67,187
Aerospace engineering	4,170	4,482	4,616	4,616	4,902	5,266	5,540	5,691
U.S. citizens and permanent residents ^b	2,528	2,998	3,090	3,090	3,311	3,605	3,893	4,045
Hispanic or Latino	116	136	145	145	159	195	240	290
Not Hispanic or Latino								
American Indian or Alaska Native	13	10	13	13	18	16	11	15
Asian ^c	250	311	346	346	363	370	416	432
Black or African American	73	79	81	81	103	108	92	92
Native Hawaiian or Other Pacific Islander ^c	1	1	0	0	3	7	3	5
White	1,844	1,969	2,152	2,152	2,244	2,485	2,702	2,820
More than one race ^c	1	0	3	3	3	23	49	59
Unknown ethnicity/race	230	492	350	350	418	401	380	332
Temporary visa holders	1,642	1,484	1,526	1,526	1,591	1,661	1,647	1,646
Agricultural engineering	1,059	1,073	1,126	1,126	1,233	1,303	1,457	1,656
U.S. citizens and permanent residents ^b	538	524	542	542	566	630	681	769
Hispanic or Latino	13	16	14	14	21	27	30	34
Not Hispanic or Latino								
American Indian or Alaska Native	3	5	2	2	2	1	4	3
Asian ^c	36	33	32	32	27	23	38	53
Black or African American	25	27	22	22	20	30	33	50
Native Hawaiian or Other Pacific Islander ^c	1	1	2	2	0	1	0	2
White	441	425	439	439	473	513	528	587
More than one race ^c	0	1	2	2	0	1	6	10
Unknown ethnicity/race	19	16	29	29	23	34	42	30
Temporary visa holders	521	549	584	584	667	673	776	887

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Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
Architecture ^a	na	na	na	4,601	5,905	6,804	6,795	3,111
U.S. citizens and permanent residents ^b	na	na	na	3,707	4,840	5,611	5,548	2,344
Hispanic or Latino	na	na	na	208	385	454	420	249
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	15	42	32	36	17
Asian ^c	na	na	na	223	291	320	361	163
Black or African American	na	na	na	219	282	300	277	131
Native Hawaiian or Other Pacific Islander ^c	na	na	na	5	8	5	8	3
White	na	na	na	2,730	3,417	3,968	3,928	1,536
More than one race ^c	na	na	na	1	12	32	95	54
Unknown ethnicity/race	na	na	na	306	403	500	423	191
Temporary visa holders	na	na	na	894	1,065	1,193	1,247	767
Biomedical engineering	6,067	6,482	6,881	6,904	7,339	7,904	8,497	9,175
U.S. citizens and permanent residents ^b	3,921	4,298	4,524	4,541	4,772	5,237	5,803	6,359
Hispanic or Latino	192	237	242	242	226	301	325	363
Not Hispanic or Latino								
American Indian or Alaska Native	13	18	19	19	21	20	19	18
Asian ^c	781	863	939	940	919	1,101	1,185	1,442
Black or African American	192	204	206	206	224	245	240	271
Native Hawaiian or Other Pacific Islander ^c	14	14	12	12	20	15	17	13
White	2,424	2,626	2,646	2,662	2,932	3,142	3,526	3,741
More than one race ^c	5	9	8	8	14	43	77	109
Unknown ethnicity/race	300	327	452	452	416	370	414	402
Temporary visa holders	2,146	2,184	2,357	2,363	2,567	2,667	2,694	2,816
Chemical engineering	7,173	7,261	7,383	7,584	7,892	8,188	8,668	8,828
U.S. citizens and permanent residents ^b	3,675	3,685	3,647	3,744	3,821	4,022	4,272	4,402
Hispanic or Latino	240	277	261	261	238	225	279	284
Not Hispanic or Latino								
American Indian or Alaska Native	24	20	16	16	15	14	18	17
Asian ^c	480	485	455	465	492	533	588	627
Black or African American	146	149	149	155	150	172	164	169
Native Hawaiian or Other Pacific Islander ^c	13	11	20	20	2	3	16	22
White	2,561	2,556	2,520	2,601	2,672	2,809	2,872	2,955
More than one race ^c	12	3	1	1	9	12	40	60
Unknown ethnicity/race	199	184	225	225	243	254	295	268
Temporary visa holders	3,498	3,576	3,736	3,840	4,071	4,166	4,396	4,426
Civil engineering ^a	18,114	17,802	19,867	16,071	16,931	18,638	19,559	19,596
U.S. citizens and permanent residents ^b	11,415	11,421	13,051	9,972	10,477	11,750	12,482	12,221
Hispanic or Latino	896	967	1,068	892	796	915	1,091	1,136
Not Hispanic or Latino								
American Indian or Alaska Native	52	62	70	58	50	59	55	63
Asian ^c	982	936	1,029	851	921	1,109	1,244	1,193
Black or African American	456	508	603	461	475	528	594	545
Native Hawaiian or Other Pacific Islander ^c	24	21	25	23	28	27	42	40
White	8,139	7,971	9,115	6,807	7,265	7,884	8,245	8,118
More than one race ^c	6	7	6	6	24	51	270	314
Unknown ethnicity/race	860	949	1,135	874	918	1,177	941	812
Temporary visa holders	6,699	6,381	6,816	6,099	6,454	6,888	7,077	7,375
Electrical engineering	37,450	38,265	40,207	40,588	41,164	41,218	41,336	41,580
U.S. citizens and permanent residents ^b	16,662	16,166	15,759	16,024	16,042	15,936	16,109	15,985
Hispanic or Latino	1,090	1,044	979	996	1,007	1,072	1,157	1,196
Not Hispanic or Latino								
American Indian or Alaska Native	54	46	47	48	61	54	48	51
Asian ^c	3,729	3,388	3,035	3,100	3,086	3,015	2,956	2,878
Black or African American	843	828	842	861	864	900	937	951
Native Hawaiian or Other Pacific Islander ^c	33	26	64	64	41	26	29	21

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
White	9,150	8,875	8,789	8,933	8,734	8,908	9,035	8,974
More than one race ^c	33	19	16	16	30	63	157	222
Unknown ethnicity/race	1,730	1,940	1,987	2,006	2,219	1,898	1,790	1,692
Temporary visa holders	20,788	22,099	24,448	24,564	25,122	25,282	25,227	25,595
Engineering science	1,951	2,046	1,843	1,806	2,099	2,168	2,071	2,101
U.S. citizens and permanent residents ^b	1,096	1,170	1,024	989	1,216	1,229	1,185	1,163
Hispanic or Latino	43	46	35	32	63	69	65	66
Not Hispanic or Latino								
American Indian or Alaska Native	9	9	8	7	7	6	3	2
Asian ^c	143	156	153	141	142	134	146	128
Black or African American	36	44	28	28	42	51	44	49
Native Hawaiian or Other Pacific Islander ^c	0	3	2	2	3	0	0	1
White	793	830	719	709	827	821	784	765
More than one race ^c	3	3	1	1	3	5	24	31
Unknown ethnicity/race	69	79	78	69	129	143	119	121
Temporary visa holders	855	876	819	817	883	939	886	938
Industrial engineering	13,650	13,829	14,290	14,474	15,692	15,825	15,205	14,494
U.S. citizens and permanent residents ^b	9,071	9,249	9,020	9,090	9,464	9,511	9,028	8,552
Hispanic or Latino	579	664	661	664	703	717	677	716
Not Hispanic or Latino								
American Indian or Alaska Native	51	55	46	47	51	61	43	39
Asian ^c	1,019	995	1,022	1,057	1,066	959	914	792
Black or African American	764	763	741	734	849	826	708	666
Native Hawaiian or Other Pacific Islander ^c	7	15	10	11	3	18	14	12
White	5,658	5,586	5,300	5,293	5,543	5,305	5,011	4,893
More than one race ^c	4	0	2	2	47	41	63	87
Unknown ethnicity/race	989	1,171	1,238	1,282	1,202	1,584	1,598	1,347
Temporary visa holders	4,579	4,580	5,270	5,384	6,228	6,314	6,177	5,942
Mechanical engineering	17,373	17,919	18,366	18,347	19,585	21,243	22,509	21,883
U.S. citizens and permanent residents ^b	9,719	10,205	10,495	10,481	11,075	11,893	12,986	12,635
Hispanic or Latino	575	621	653	656	685	749	827	948
Not Hispanic or Latino								
American Indian or Alaska Native	28	32	33	33	37	43	46	44
Asian ^c	945	914	1,224	1,225	1,258	1,197	1,328	1,361
Black or African American	411	419	409	408	425	431	456	463
Native Hawaiian or Other Pacific Islander ^c	17	26	18	18	22	28	24	24
White	6,898	7,337	7,232	7,213	7,591	8,334	9,135	8,779
More than one race ^c	5	4	41	41	12	48	129	159
Unknown ethnicity/race	840	852	885	887	1,045	1,063	1,041	857
Temporary visa holders	7,654	7,714	7,871	7,866	8,510	9,350	9,523	9,248
Metallurgical/materials engineering	5,160	5,268	5,365	5,314	5,539	5,863	6,274	6,649
U.S. citizens and permanent residents ^b	2,518	2,690	2,739	2,719	2,796	2,949	3,197	3,315
Hispanic or Latino	106	98	116	117	118	145	170	213
Not Hispanic or Latino								
American Indian or Alaska Native	5	8	9	9	13	11	12	10
Asian ^c	307	335	331	328	350	361	416	424
Black or African American	102	129	131	127	126	112	130	127
Native Hawaiian or Other Pacific Islander ^c	8	2	10	10	9	1	2	6
White	1,859	1,926	1,924	1,900	1,988	2,119	2,252	2,290
More than one race ^c	2	3	3	3	8	15	31	40
Unknown ethnicity/race	129	189	215	225	184	185	184	205
Temporary visa holders	2,642	2,578	2,626	2,595	2,743	2,914	3,077	3,334

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
Mining engineering	279	244	307	222	290	312	419	500
U.S. citizens and permanent residents ^b	161	129	183	130	165	197	197	218
Hispanic or Latino	9	5	5	4	9	10	5	8
Not Hispanic or Latino								
American Indian or Alaska Native	0	1	0	0	3	1	2	0
Asian ^c	6	1	10	8	7	9	4	7
Black or African American	3	3	7	0	4	8	12	10
Native Hawaiian or Other Pacific Islander ^c	0	0	0	0	0	1	0	1
White	121	108	151	111	133	156	160	175
More than one race ^c	0	0	0	0	0	2	2	1
Unknown ethnicity/race	22	11	10	7	9	10	12	16
Temporary visa holders	118	115	124	92	125	115	222	282
Nuclear engineering	1,013	1,099	1,208	1,180	1,201	1,243	1,459	1,499
U.S. citizens and permanent residents ^b	674	780	924	904	933	958	1,163	1,198
Hispanic or Latino	38	60	49	48	47	42	53	54
Not Hispanic or Latino								
American Indian or Alaska Native	3	2	2	2	4	4	4	4
Asian ^c	45	45	47	47	54	57	68	68
Black or African American	21	18	22	22	26	22	23	21
Native Hawaiian or Other Pacific Islander ^c	2	0	1	1	6	1	2	2
White	534	603	699	681	734	763	912	949
More than one race ^c	0	0	0	0	1	0	13	23
Unknown ethnicity/race	31	52	104	103	61	69	88	77
Temporary visa holders	339	319	284	276	268	285	296	301
Petroleum engineering	808	813	1,014	1,014	1,009	1,190	1,295	1,301
U.S. citizens and permanent residents ^b	192	195	258	258	217	252	293	313
Hispanic or Latino	17	22	32	32	18	20	23	27
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	1	1	0	1
Asian ^c	21	15	17	17	20	25	42	41
Black or African American	31	24	43	43	29	23	29	35
Native Hawaiian or Other Pacific Islander ^c	0	0	0	0	0	0	0	0
White	114	117	150	150	138	176	184	192
More than one race ^c	0	0	0	0	0	0	2	1
Unknown ethnicity/race	9	17	16	16	11	7	13	16
Temporary visa holders	616	618	756	756	792	938	1,002	988
Engineering, nec	6,298	6,458	7,782	7,829	7,075	7,512	8,157	8,437
U.S. citizens and permanent residents ^b	4,381	4,188	5,101	5,108	4,556	4,862	5,458	5,795
Hispanic or Latino	176	188	257	252	241	277	278	335
Not Hispanic or Latino								
American Indian or Alaska Native	18	22	21	21	21	21	28	33
Asian ^c	851	573	676	656	552	565	564	538
Black or African American	367	377	400	408	367	416	441	488
Native Hawaiian or Other Pacific Islander ^c	15	9	35	34	11	16	17	14
White	2,332	2,364	2,915	2,948	2,895	3,013	3,596	3,885
More than one race ^c	3	4	3	3	9	14	44	68
Unknown ethnicity/race	619	651	794	786	460	540	490	434
Temporary visa holders	1,917	2,270	2,681	2,721	2,519	2,650	2,699	2,642
Health ^{a,d}	103,951	111,356	105,448	103,300	102,214	85,960	76,120	65,879
U.S. citizens and permanent residents ^b	96,217	103,022	97,109	95,203	93,669	77,306	68,089	58,363
Hispanic or Latino	5,922	6,370	6,078	5,961	5,550	5,071	4,766	4,220
Not Hispanic or Latino								
American Indian or Alaska Native	527	577	609	600	668	493	384	349
Asian ^c	6,885	7,403	6,790	6,600	6,223	5,556	5,043	4,369
Black or African American	8,299	9,202	8,369	8,286	8,367	7,376	7,105	6,705
Native Hawaiian or Other Pacific Islander ^c	305	281	327	285	305	225	266	310

TABLE 13. Graduate students in science, engineering, and health in all institutions, by field, citizenship, ethnicity, and race: 2005–11

Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
White	66,500	71,282	66,874	65,797	64,366	52,234	44,737	37,544
More than one race ^c	101	107	119	116	237	345	827	796
Unknown ethnicity/race	7,678	7,800	7,943	7,558	7,953	6,006	4,961	4,070
Temporary visa holders	7,734	8,334	8,339	8,097	8,545	8,654	8,031	7,516

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 a separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as a 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 Ethnicity and race data available only for U.S. citizens and permanent residents.

^c Reporting of ethnicity and race in 2008–11 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 a 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 beginning in 2010 and may have contributed to a significant increase in reporting of "Not Hispanic or Latino, More than one race."

^d 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.