

TABLE 13. 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	574,463	582,226	597,643	607,823	619,499	631,489	631,645	632,652
U.S. citizens and permanent residents	423,218	434,730	446,625	450,251	460,294	463,450	459,648	458,492
Hispanic or Latino	28,031	29,309	30,510	31,110	31,700	31,648	32,336	33,375
Not Hispanic or Latino								
American Indian or Alaska Native	2,354	2,485	2,689	2,777	2,862	3,286	3,042	2,884
Asian ^b	36,084	36,432	36,635	36,924	37,297	36,579	37,310	37,228
Black or African American	32,496	33,547	34,866	34,934	35,923	37,047	37,349	38,199
Native Hawaiian or Other Pacific Islander ^b	1,651	1,332	1,228	1,472	1,485	1,426	1,350	1,354
White	288,574	292,276	299,275	298,917	306,001	306,989	302,677	299,993
More than one race ^b	569	629	608	662	667	1,556	2,645	5,816
Unknown ethnicity/race	33,459	38,720	40,814	43,455	44,359	44,919	42,939	39,643
Temporary visa holders	151,245	147,496	151,018	157,572	159,205	168,039	171,997	174,160
Science and engineering	475,873	478,275	486,287	502,375	516,199	529,275	545,685	556,532
U.S. citizens and permanent residents	332,022	338,513	343,603	353,142	365,091	369,781	382,342	390,403
Hispanic or Latino	22,212	23,387	24,140	25,032	25,739	26,098	27,265	28,609
Not Hispanic or Latino								
American Indian or Alaska Native	1,848	1,958	2,112	2,168	2,262	2,618	2,549	2,500
Asian ^b	29,570	29,547	29,232	30,134	30,697	30,356	31,754	32,185
Black or African American	24,624	25,248	25,664	26,565	27,637	28,680	29,973	31,094
Native Hawaiian or Other Pacific Islander ^b	1,075	1,027	947	1,145	1,200	1,121	1,125	1,088
White	224,850	225,776	227,993	232,043	240,204	242,623	250,443	255,256
More than one race ^b	493	528	501	543	551	1,319	2,300	4,989
Unknown ethnicity/race	27,350	31,042	33,014	35,512	36,801	36,966	36,933	34,682
Temporary visa holders	143,851	139,762	142,684	149,233	151,108	159,494	163,343	166,129
Science	352,307	357,710	363,246	372,120	384,523	391,419	401,008	407,291
U.S. citizens and permanent residents	265,643	271,962	275,905	282,785	293,792	295,530	303,700	308,108
Hispanic or Latino	18,048	19,297	19,759	20,515	21,176	21,382	22,047	22,969
Not Hispanic or Latino								
American Indian or Alaska Native	1,575	1,685	1,822	1,882	1,972	2,272	2,205	2,171
Asian ^b	20,007	19,952	20,182	20,818	21,261	20,808	21,976	21,915
Black or African American	21,225	21,778	22,092	22,881	23,862	24,694	25,801	26,914
Native Hawaiian or Other Pacific Islander ^b	926	892	818	946	998	965	976	914
White	181,615	182,908	184,700	187,292	194,875	195,037	200,047	202,386
More than one race ^b	437	454	448	457	464	1,147	1,950	3,987
Unknown ethnicity/race	21,810	24,996	26,084	27,994	29,184	29,225	28,698	26,852
Temporary visa holders	86,664	85,748	87,341	89,335	90,731	95,889	97,308	99,183
Agricultural sciences	13,445	13,123	13,016	13,222	13,528	14,153	15,200	15,656
U.S. citizens and permanent residents	10,750	10,464	10,341	10,487	10,631	11,047	11,938	12,416
Hispanic or Latino	524	506	535	576	604	611	749	770
Not Hispanic or Latino								
American Indian or Alaska Native	82	76	85	87	88	130	134	146
Asian ^b	305	264	311	311	320	352	366	340
Black or African American	394	417	453	431	434	470	406	482
Native Hawaiian or Other Pacific Islander ^b	24	26	27	22	20	32	33	37
White	8,936	8,662	8,384	8,452	8,572	8,725	9,421	9,867
More than one race ^b	7	19	21	15	15	53	66	109
Unknown ethnicity/race	478	494	525	593	578	674	763	665
Temporary visa holders	2,695	2,659	2,675	2,735	2,897	3,106	3,262	3,240
Biological sciences	66,565	68,479	69,941	71,663	71,932	72,666	73,304	74,928
U.S. citizens and permanent residents	50,734	52,012	53,034	54,784	55,305	55,112	55,955	57,497
Hispanic or Latino	2,993	3,146	3,289	3,470	3,474	3,498	3,719	3,970
Not Hispanic or Latino								
American Indian or Alaska Native	248	277	310	300	302	335	330	361
Asian ^b	4,985	5,157	5,467	5,738	5,802	5,513	5,878	6,105
Black or African American	2,902	2,991	3,071	3,303	3,320	3,394	3,575	3,653

TABLE 13. 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	292	263	242	278	311	286	286	242
White	36,053	36,627	37,163	37,605	37,682	37,585	37,464	38,386
More than one race ^b	97	113	86	78	81	192	265	635
Unknown ethnicity/race	3,164	3,438	3,406	4,012	4,333	4,309	4,438	4,145
Temporary visa holders	15,831	16,467	16,907	16,879	16,627	17,554	17,349	17,431
Communication ^a	ne	ne	ne	ne	7,303	8,444	9,418	9,825
U.S. citizens and permanent residents	ne	ne	ne	ne	6,150	7,049	7,806	8,301
Hispanic or Latino	ne	ne	ne	ne	386	437	443	563
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	32	50	52	63
Asian ^b	ne	ne	ne	ne	239	289	323	309
Black or African American	ne	ne	ne	ne	516	644	688	785
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	4	16	25	18
White	ne	ne	ne	ne	4,400	4,880	5,506	5,848
More than one race ^b	ne	ne	ne	ne	1	23	86	119
Unknown ethnicity/race	ne	ne	ne	ne	572	710	683	596
Temporary visa holders	ne	ne	ne	ne	1,153	1,395	1,612	1,524
Computer sciences	50,016	47,978	47,653	48,959	48,246	49,553	51,161	51,546
U.S. citizens and permanent residents	28,261	27,409	26,675	25,957	25,441	25,316	26,325	26,170
Hispanic or Latino	1,142	1,199	1,207	1,191	1,170	1,227	1,371	1,455
Not Hispanic or Latino								
American Indian or Alaska Native	91	100	105	96	94	130	128	125
Asian ^b	5,024	4,501	4,149	3,790	3,685	3,578	3,854	3,543
Black or African American	1,799	1,761	1,774	1,865	1,834	1,889	2,088	2,228
Native Hawaiian or Other Pacific Islander ^b	78	72	73	48	47	40	62	59
White	16,938	16,555	15,943	15,089	14,811	14,930	15,533	15,604
More than one race ^b	26	22	18	14	14	48	121	298
Unknown ethnicity/race	3,163	3,199	3,406	3,864	3,786	3,474	3,168	2,858
Temporary visa holders	21,755	20,569	20,978	23,002	22,805	24,237	24,836	25,376
Earth, atmospheric, and ocean sciences	15,131	14,836	14,920	14,675	14,100	14,389	14,839	15,655
U.S. citizens and permanent residents	12,337	12,058	12,153	11,952	11,488	11,612	12,082	12,729
Hispanic or Latino	538	508	540	555	522	525	585	669
Not Hispanic or Latino								
American Indian or Alaska Native	67	61	69	88	80	74	75	102
Asian ^b	402	364	363	403	372	372	389	402
Black or African American	261	262	263	279	272	301	311	328
Native Hawaiian or Other Pacific Islander ^b	26	36	26	18	16	15	26	19
White	10,342	10,126	10,116	9,783	9,443	9,354	9,651	10,141
More than one race ^b	25	16	14	13	13	37	55	146
Unknown ethnicity/race	676	685	762	813	770	934	990	922
Temporary visa holders	2,794	2,778	2,767	2,723	2,612	2,777	2,757	2,926
Family and consumer sciences/human sciences ^a	ne	ne	ne	ne	2,780	3,549	3,794	4,191
U.S. citizens and permanent residents	ne	ne	ne	ne	2,534	3,214	3,452	3,804
Hispanic or Latino	ne	ne	ne	ne	87	135	158	205
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	23	22	23	26
Asian ^b	ne	ne	ne	ne	90	145	136	147
Black or African American	ne	ne	ne	ne	322	397	538	595
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	0	0	1	2
White	ne	ne	ne	ne	1,870	2,247	2,390	2,548
More than one race ^b	ne	ne	ne	ne	3	9	5	37
Unknown ethnicity/race	ne	ne	ne	ne	139	259	201	244
Temporary visa holders	ne	ne	ne	ne	246	335	342	387

TABLE 13. 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	19,931	20,210	20,815	21,335	20,975	21,400	22,226	23,136
U.S. citizens and permanent residents	12,524	12,768	13,219	13,608	13,432	13,235	13,911	14,521
Hispanic or Latino	625	633	695	764	758	710	788	794
Not Hispanic or Latino								
American Indian or Alaska Native	39	38	59	47	45	58	47	51
Asian ^b	1,267	1,335	1,378	1,379	1,348	1,304	1,389	1,501
Black or African American	696	720	711	711	708	681	730	740
Native Hawaiian or Other Pacific Islander ^b	31	37	35	39	39	56	68	34
White	8,859	8,916	9,201	9,329	9,219	9,154	9,527	9,722
More than one race ^b	21	17	18	15	15	25	147	248
Unknown ethnicity/race	986	1,072	1,122	1,324	1,300	1,247	1,215	1,431
Temporary visa holders	7,407	7,442	7,596	7,727	7,543	8,165	8,315	8,615
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	4,484	5,559	6,557	7,944
U.S. citizens and permanent residents	ne	ne	ne	ne	3,788	4,653	5,528	6,707
Hispanic or Latino	ne	ne	ne	ne	253	360	401	617
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	ne	52	55	54	50
Asian ^b	ne	ne	ne	ne	209	243	288	343
Black or African American	ne	ne	ne	ne	320	388	480	561
Native Hawaiian or Other Pacific Islander ^b	ne	ne	ne	ne	15	13	14	8
White	ne	ne	ne	ne	2,457	2,959	3,422	4,199
More than one race ^b	ne	ne	ne	ne	1	7	32	72
Unknown ethnicity/race	ne	ne	ne	ne	481	628	837	857
Temporary visa holders	ne	ne	ne	ne	696	906	1,029	1,237
Neuroscience ^a	na	na	na	na	1,584	2,012	2,356	2,798
U.S. citizens and permanent residents	na	na	na	na	1,253	1,634	1,949	2,332
Hispanic or Latino	na	na	na	na	81	100	118	166
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	7	11	12	10
Asian ^b	na	na	na	na	137	180	218	244
Black or African American	na	na	na	na	61	67	88	86
Native Hawaiian or Other Pacific Islander ^b	na	na	na	na	4	6	4	5
White	na	na	na	na	893	1,153	1,326	1,650
More than one race ^b	na	na	na	na	0	2	7	13
Unknown ethnicity/race	na	na	na	na	70	115	176	158
Temporary visa holders	na	na	na	na	331	378	407	466
Physical sciences	35,761	36,375	36,901	37,111	36,824	37,319	38,149	38,973
U.S. citizens and permanent residents	21,148	21,675	22,144	22,636	22,417	22,556	23,071	23,652
Hispanic or Latino	1,233	1,242	1,256	1,270	1,264	1,268	1,282	1,364
Not Hispanic or Latino								
American Indian or Alaska Native	78	82	118	105	103	111	119	102
Asian ^b	1,620	1,590	1,713	1,847	1,833	1,735	1,818	1,785
Black or African American	993	1,006	1,009	984	980	1,009	979	1,008
Native Hawaiian or Other Pacific Islander ^b	58	41	40	45	44	36	53	38
White	15,726	16,299	16,325	16,628	16,451	16,520	16,933	17,319
More than one race ^b	22	35	25	28	28	85	90	268
Unknown ethnicity/race	1,418	1,380	1,658	1,729	1,714	1,792	1,797	1,768
Temporary visa holders	14,613	14,700	14,757	14,475	14,407	14,763	15,078	15,321
Psychology ^b	54,126	57,282	57,653	60,284	59,617	58,991	56,184	53,419
U.S. citizens and permanent residents	50,932	54,228	54,802	57,171	56,574	55,912	53,246	50,332
Hispanic or Latino	4,791	5,101	5,222	5,526	5,506	5,543	5,003	4,859
Not Hispanic or Latino								
American Indian or Alaska Native	323	332	344	404	402	398	384	353
Asian ^b	2,355	2,417	2,500	2,771	2,741	2,687	2,562	2,429
Black or African American	4,990	5,238	5,089	5,140	5,100	5,358	5,393	5,442

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Field, citizenship, ethnicity, and race	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Native Hawaiian or Other Pacific Islander ^b	88	134	112	125	128	123	97	122
White	33,580	34,359	35,045	36,976	36,519	35,530	34,342	32,043
More than one race ^b	67	70	75	73	73	173	387	658
Unknown ethnicity/race	4,738	6,577	6,415	6,156	6,105	6,100	5,078	4,426
Temporary visa holders	3,194	3,054	2,851	3,113	3,043	3,079	2,938	3,087
Social sciences	97,332	99,427	102,347	104,871	103,150	103,384	107,820	109,220
U.S. citizens and permanent residents	78,957	81,348	83,537	86,190	84,779	84,190	88,437	89,647
Hispanic or Latino	6,202	6,962	7,015	7,163	7,071	6,968	7,430	7,537
Not Hispanic or Latino								
American Indian or Alaska Native	647	719	732	755	744	898	847	782
Asian ^b	4,049	4,324	4,301	4,579	4,485	4,410	4,755	4,767
Black or African American	9,190	9,383	9,722	10,168	9,995	10,096	10,525	11,006
Native Hawaiian or Other Pacific Islander ^b	329	283	263	371	370	342	307	330
White	51,181	51,364	52,523	53,430	52,558	52,000	54,532	55,059
More than one race ^b	172	162	191	221	220	493	689	1,384
Unknown ethnicity/race	7,187	8,151	8,790	9,503	9,336	8,983	9,352	8,782
Temporary visa holders	18,375	18,079	18,810	18,681	18,371	19,194	19,383	19,573
Engineering	123,566	120,565	123,041	130,255	131,676	137,856	144,677	149,241
U.S. citizens and permanent residents	66,379	66,551	67,698	70,357	71,299	74,251	78,642	82,295
Hispanic or Latino	4,164	4,090	4,381	4,517	4,563	4,716	5,218	5,640
Not Hispanic or Latino								
American Indian or Alaska Native	273	273	290	286	290	346	344	329
Asian ^b	9,563	9,595	9,050	9,316	9,436	9,548	9,778	10,270
Black or African American	3,399	3,470	3,572	3,684	3,775	3,986	4,172	4,180
Native Hawaiian or Other Pacific Islander ^b	149	135	129	199	202	156	149	174
White	43,235	42,868	43,293	44,751	45,329	47,586	50,396	52,870
More than one race ^b	56	74	53	86	87	172	350	1,002
Unknown ethnicity/race	5,540	6,046	6,930	7,518	7,617	7,741	8,235	7,830
Temporary visa holders	57,187	54,014	55,343	59,898	60,377	63,605	66,035	66,946
Aerospace engineering	4,089	4,170	4,482	4,616	4,616	4,902	5,266	5,540
U.S. citizens and permanent residents	2,401	2,528	2,998	3,090	3,090	3,311	3,605	3,893
Hispanic or Latino	118	116	136	145	145	159	195	240
Not Hispanic or Latino								
American Indian or Alaska Native	16	13	10	13	13	18	16	11
Asian ^b	210	250	311	346	346	363	370	416
Black or African American	68	73	79	81	81	103	108	92
Native Hawaiian or Other Pacific Islander ^b	2	1	1	0	0	3	7	3
White	1,791	1,844	1,969	2,152	2,152	2,244	2,485	2,702
More than one race ^b	1	1	0	3	3	3	23	49
Unknown ethnicity/race	195	230	492	350	350	418	401	380
Temporary visa holders	1,688	1,642	1,484	1,526	1,526	1,591	1,661	1,647
Agricultural engineering	1,041	1,059	1,073	1,126	1,126	1,233	1,303	1,457
U.S. citizens and permanent residents	556	538	524	542	542	566	630	681
Hispanic or Latino	8	13	16	14	14	21	27	30
Not Hispanic or Latino								
American Indian or Alaska Native	1	3	5	2	2	2	1	4
Asian ^b	46	36	33	32	32	27	23	38
Black or African American	23	25	27	22	22	20	30	33
Native Hawaiian or Other Pacific Islander ^b	1	1	1	2	2	0	1	0
White	463	441	425	439	439	473	513	528
More than one race ^b	0	0	1	2	2	0	1	6
Unknown ethnicity/race	14	19	16	29	29	23	34	42
Temporary visa holders	485	521	549	584	584	667	673	776

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Field, citizenship, ethnicity, and race	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Architecture ^a	na	na	na	na	4,601	5,905	6,804	6,795
U.S. citizens and permanent residents	na	na	na	na	3,707	4,840	5,611	5,548
Hispanic or Latino	na	na	na	na	208	385	454	420
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	na	15	42	32	36
Asian ^b	na	na	na	na	223	291	320	361
Black or African American	na	na	na	na	219	282	300	277
Native Hawaiian or Other Pacific Islander ^b	na	na	na	na	5	8	5	8
White	na	na	na	na	2,730	3,417	3,968	3,928
More than one race ^b	na	na	na	na	1	12	32	95
Unknown ethnicity/race	na	na	na	na	306	403	500	423
Temporary visa holders	na	na	na	na	894	1,065	1,193	1,247
Biomedical engineering	5,807	6,067	6,482	6,881	6,904	7,339	7,904	8,497
U.S. citizens and permanent residents	3,675	3,921	4,298	4,524	4,541	4,772	5,237	5,803
Hispanic or Latino	180	192	237	242	242	226	301	325
Not Hispanic or Latino								
American Indian or Alaska Native	15	13	18	19	19	21	20	19
Asian ^b	725	781	863	939	940	919	1,101	1,185
Black or African American	191	192	204	206	206	224	245	240
Native Hawaiian or Other Pacific Islander ^b	17	14	14	12	12	20	15	17
White	2,314	2,424	2,626	2,646	2,662	2,932	3,142	3,526
More than one race ^b	0	5	9	8	8	14	43	77
Unknown ethnicity/race	233	300	327	452	452	416	370	414
Temporary visa holders	2,132	2,146	2,184	2,357	2,363	2,567	2,667	2,694
Chemical engineering	7,452	7,173	7,261	7,383	7,584	7,892	8,188	8,668
U.S. citizens and permanent residents	3,753	3,675	3,685	3,647	3,744	3,821	4,022	4,272
Hispanic or Latino	249	240	277	261	261	238	225	279
Not Hispanic or Latino								
American Indian or Alaska Native	27	24	20	16	16	15	14	18
Asian ^b	443	480	485	455	465	492	533	588
Black or African American	169	146	149	149	155	150	172	164
Native Hawaiian or Other Pacific Islander ^b	10	13	11	20	20	2	3	16
White	2,666	2,561	2,556	2,520	2,601	2,672	2,809	2,872
More than one race ^b	8	12	3	1	1	9	12	40
Unknown ethnicity/race	181	199	184	225	225	243	254	295
Temporary visa holders	3,699	3,498	3,576	3,736	3,840	4,071	4,166	4,396
Civil engineering ^a	18,561	18,114	17,802	19,867	16,071	16,931	18,638	19,559
U.S. citizens and permanent residents	11,436	11,415	11,421	13,051	9,972	10,477	11,750	12,482
Hispanic or Latino	898	896	967	1,068	892	796	915	1,091
Not Hispanic or Latino								
American Indian or Alaska Native	51	52	62	70	58	50	59	55
Asian ^b	977	982	936	1,029	851	921	1,109	1,244
Black or African American	453	456	508	603	461	475	528	594
Native Hawaiian or Other Pacific Islander ^b	20	24	21	25	23	28	27	42
White	8,270	8,139	7,971	9,115	6,807	7,265	7,884	8,245
More than one race ^b	2	6	7	6	6	24	51	270
Unknown ethnicity/race	765	860	949	1,135	874	918	1,177	941
Temporary visa holders	7,125	6,699	6,381	6,816	6,099	6,454	6,888	7,077
Electrical engineering	38,995	37,450	38,265	40,207	40,588	41,164	41,218	41,336
U.S. citizens and permanent residents	16,878	16,662	16,166	15,759	16,024	16,042	15,936	16,109
Hispanic or Latino	1,097	1,090	1,044	979	996	1,007	1,072	1,157
Not Hispanic or Latino								
American Indian or Alaska Native	54	54	46	47	48	61	54	48
Asian ^b	3,781	3,729	3,388	3,035	3,100	3,086	3,015	2,956
Black or African American	850	843	828	842	861	864	900	937

TABLE 13. 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	42	33	26	64	64	41	26	29
White	9,444	9,150	8,875	8,789	8,933	8,734	8,908	9,035
More than one race ^b	25	33	19	16	16	30	63	157
Unknown ethnicity/race	1,585	1,730	1,940	1,987	2,006	2,219	1,898	1,790
Temporary visa holders	22,117	20,788	22,099	24,448	24,564	25,122	25,282	25,227
Engineering science	2,198	1,951	2,046	1,843	1,806	2,099	2,168	2,071
U.S. citizens and permanent residents	1,187	1,096	1,170	1,024	989	1,216	1,229	1,185
Hispanic or Latino	45	43	46	35	32	63	69	65
Not Hispanic or Latino								
American Indian or Alaska Native	11	9	9	8	7	7	6	3
Asian ^b	162	143	156	153	141	142	134	146
Black or African American	38	36	44	28	28	42	51	44
Native Hawaiian or Other Pacific Islander ^b	1	0	3	2	2	3	0	0
White	865	793	830	719	709	827	821	784
More than one race ^b	1	3	3	1	1	3	5	24
Unknown ethnicity/race	64	69	79	78	69	129	143	119
Temporary visa holders	1,011	855	876	819	817	883	939	886
Industrial engineering	13,852	13,650	13,829	14,290	14,474	15,692	15,825	15,205
U.S. citizens and permanent residents	8,763	9,071	9,249	9,020	9,090	9,464	9,511	9,028
Hispanic or Latino	629	579	664	661	664	703	717	677
Not Hispanic or Latino								
American Indian or Alaska Native	48	51	55	46	47	51	61	43
Asian ^b	916	1,019	995	1,022	1,057	1,066	959	914
Black or African American	714	764	763	741	734	849	826	708
Native Hawaiian or Other Pacific Islander ^b	13	7	15	10	11	3	18	14
White	5,484	5,658	5,586	5,300	5,293	5,543	5,305	5,011
More than one race ^b	9	4	0	2	2	47	41	63
Unknown ethnicity/race	950	989	1,171	1,238	1,282	1,202	1,584	1,598
Temporary visa holders	5,089	4,579	4,580	5,270	5,384	6,228	6,314	6,177
Mechanical engineering	17,852	17,373	17,919	18,366	18,347	19,585	21,243	22,509
U.S. citizens and permanent residents	9,724	9,719	10,205	10,495	10,481	11,075	11,893	12,986
Hispanic or Latino	566	575	621	653	656	685	749	827
Not Hispanic or Latino								
American Indian or Alaska Native	24	28	32	33	33	37	43	46
Asian ^b	947	945	914	1,224	1,225	1,258	1,197	1,328
Black or African American	369	411	419	409	408	425	431	456
Native Hawaiian or Other Pacific Islander ^b	26	17	26	18	18	22	28	24
White	6,998	6,898	7,337	7,232	7,213	7,591	8,334	9,135
More than one race ^b	6	5	4	41	41	12	48	129
Unknown ethnicity/race	788	840	852	885	887	1,045	1,063	1,041
Temporary visa holders	8,128	7,654	7,714	7,871	7,866	8,510	9,350	9,523
Metallurgical/materials engineering	5,059	5,160	5,268	5,365	5,314	5,539	5,863	6,274
U.S. citizens and permanent residents	2,501	2,518	2,690	2,739	2,719	2,796	2,949	3,197
Hispanic or Latino	99	106	98	116	117	118	145	170
Not Hispanic or Latino								
American Indian or Alaska Native	6	5	8	9	9	13	11	12
Asian ^b	337	307	335	331	328	350	361	416
Black or African American	105	102	129	131	127	126	112	130
Native Hawaiian or Other Pacific Islander ^b	9	8	2	10	10	9	1	2
White	1,815	1,859	1,926	1,924	1,900	1,988	2,119	2,252
More than one race ^b	2	2	3	3	3	8	15	31
Unknown ethnicity/race	128	129	189	215	225	184	185	184
Temporary visa holders	2,558	2,642	2,578	2,626	2,595	2,743	2,914	3,077

TABLE 13. 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	308	279	244	307	222	290	312	419
U.S. citizens and permanent residents	189	161	129	183	130	165	197	197
Hispanic or Latino	10	9	5	5	4	9	10	5
Not Hispanic or Latino								
American Indian or Alaska Native	1	0	1	0	0	3	1	2
Asian ^b	5	6	1	10	8	7	9	4
Black or African American	5	3	3	7	0	4	8	12
Native Hawaiian or Other Pacific Islander ^b	1	0	0	0	0	0	1	0
White	157	121	108	151	111	133	156	160
More than one race ^b	0	0	0	0	0	0	2	2
Unknown ethnicity/race	10	22	11	10	7	9	10	12
Temporary visa holders	119	118	115	124	92	125	115	222
Nuclear engineering	971	1,013	1,099	1,208	1,180	1,201	1,243	1,459
U.S. citizens and permanent residents	616	674	780	924	904	933	958	1,163
Hispanic or Latino	28	38	60	49	48	47	42	53
Not Hispanic or Latino								
American Indian or Alaska Native	3	3	2	2	2	4	4	4
Asian ^b	42	45	45	47	47	54	57	68
Black or African American	20	21	18	22	22	26	22	23
Native Hawaiian or Other Pacific Islander ^b	0	2	0	1	1	6	1	2
White	492	534	603	699	681	734	763	912
More than one race ^b	0	0	0	0	0	1	0	13
Unknown ethnicity/race	31	31	52	104	103	61	69	88
Temporary visa holders	355	339	319	284	276	268	285	296
Petroleum engineering	845	808	813	1,014	1,014	1,009	1,190	1,295
U.S. citizens and permanent residents	194	192	195	258	258	217	252	293
Hispanic or Latino	15	17	22	32	32	18	20	23
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	1	1	0
Asian ^b	24	21	15	17	17	20	25	42
Black or African American	21	31	24	43	43	29	23	29
Native Hawaiian or Other Pacific Islander ^b	0	0	0	0	0	0	0	0
White	123	114	117	150	150	138	176	184
More than one race ^b	1	0	0	0	0	0	0	2
Unknown ethnicity/race	10	9	17	16	16	11	7	13
Temporary visa holders	651	616	618	756	756	792	938	1,002
Engineering, nec	6,536	6,298	6,458	7,782	7,829	7,075	7,512	8,157
U.S. citizens and permanent residents	4,506	4,381	4,188	5,101	5,108	4,556	4,862	5,458
Hispanic or Latino	222	176	188	257	252	241	277	278
Not Hispanic or Latino								
American Indian or Alaska Native	16	18	22	21	21	21	21	28
Asian ^b	948	851	573	676	656	552	565	564
Black or African American	373	367	377	400	408	367	416	441
Native Hawaiian or Other Pacific Islander ^b	7	15	9	35	34	11	16	17
White	2,353	2,332	2,364	2,915	2,948	2,895	3,013	3,596
More than one race ^b	1	3	4	3	3	9	14	44
Unknown ethnicity/race	586	619	651	794	786	460	540	490
Temporary visa holders	2,030	1,917	2,270	2,681	2,721	2,519	2,650	2,699
Health ^{a,c}	98,590	103,951	111,356	105,448	103,300	102,214	85,960	76,120
U.S. citizens and permanent residents	91,196	96,217	103,022	97,109	95,203	93,669	77,306	68,089
Hispanic or Latino	5,819	5,922	6,370	6,078	5,961	5,550	5,071	4,766
Not Hispanic or Latino								
American Indian or Alaska Native	506	527	577	609	600	668	493	384
Asian ^b	6,514	6,885	7,403	6,790	6,600	6,223	5,556	5,043
Black or African American	7,872	8,299	9,202	8,369	8,286	8,367	7,376	7,105

TABLE 13. 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	576	305	281	327	285	305	225	266
White	63,724	66,500	71,282	66,874	65,797	64,366	52,234	44,737
More than one race ^b	76	101	107	119	116	237	345	827
Unknown ethnicity/race	6,109	7,678	7,800	7,943	7,558	7,953	6,006	4,961
Temporary visa holders	7,394	7,734	8,334	8,339	8,097	8,545	8,654	8,031

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.