

TABLE 15. Full-time 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	406,620	419,015	430,860	437,365	449,613	456,115	461,185	457,292
U.S. citizens and permanent residents ^b	279,275	287,684	294,556	299,716	304,912	307,192	309,475	302,034
Hispanic or Latino	18,707	19,441	19,991	20,264	20,310	21,195	22,068	22,789
Not Hispanic or Latino								
American Indian or Alaska Native	1,600	1,778	1,834	1,874	2,140	2,028	1,933	1,810
Asian ^c	23,679	24,426	25,192	25,395	24,570	25,492	25,954	26,107
Black or African American	18,740	19,936	19,625	20,078	21,903	22,362	22,611	22,427
Native Hawaiian or Other Pacific Islander ^c	891	815	988	996	955	896	859	890
White	192,546	197,195	200,044	203,760	206,023	206,533	207,055	201,601
More than one race ^c	495	507	467	470	975	1,799	4,239	5,003
Unknown ethnicity/race	22,617	23,586	26,415	26,879	28,036	26,887	24,756	21,407
Temporary visa holders	127,345	131,331	136,304	137,649	144,701	148,923	151,710	155,258
Science and engineering	341,742	349,802	362,976	371,542	383,560	398,498	409,107	411,168
U.S. citizens and permanent residents ^b	220,842	225,338	233,343	240,319	245,691	256,503	263,871	262,043
Hispanic or Latino	14,916	15,381	15,994	16,378	16,622	17,755	18,870	19,883
Not Hispanic or Latino								
American Indian or Alaska Native	1,293	1,443	1,445	1,492	1,733	1,716	1,690	1,601
Asian ^c	18,952	19,360	20,481	20,851	20,383	21,714	22,436	23,035
Black or African American	14,186	14,858	15,003	15,528	16,839	17,779	18,194	18,097
Native Hawaiian or Other Pacific Islander ^c	734	639	772	813	764	765	696	655
White	152,110	153,827	157,463	162,261	165,333	172,067	176,626	175,588
More than one race ^c	412	417	398	403	816	1,557	3,639	4,423
Unknown ethnicity/race	18,239	19,413	21,787	22,593	23,201	23,150	21,720	18,761
Temporary visa holders	120,900	124,464	129,633	131,223	137,869	141,995	145,236	149,125
Science	257,283	261,984	269,821	277,229	285,305	293,561	299,315	303,015
U.S. citizens and permanent residents ^b	181,990	185,004	191,167	197,473	201,142	207,858	211,598	212,624
Hispanic or Latino	12,512	12,855	13,352	13,705	13,930	14,653	15,344	16,255
Not Hispanic or Latino								
American Indian or Alaska Native	1,134	1,257	1,267	1,310	1,520	1,507	1,483	1,404
Asian ^c	13,663	14,023	14,780	15,092	14,561	15,565	15,681	16,406
Black or African American	12,217	12,718	12,834	13,308	14,556	15,407	15,725	15,816
Native Hawaiian or Other Pacific Islander ^c	653	567	649	687	665	675	594	552
White	126,329	127,836	130,378	134,711	136,236	140,148	142,596	143,712
More than one race ^c	367	374	360	364	730	1,294	2,866	3,507
Unknown ethnicity/race	15,115	15,374	17,547	18,296	18,944	18,609	17,309	14,972
Temporary visa holders	75,293	76,980	78,654	79,756	84,163	85,703	87,717	90,391
Agricultural sciences	9,710	9,478	9,634	9,822	10,132	10,823	11,087	11,448
U.S. citizens and permanent residents ^b	7,304	7,097	7,188	7,230	7,413	8,032	8,260	8,427
Hispanic or Latino	374	397	426	443	435	535	522	585
Not Hispanic or Latino								
American Indian or Alaska Native	50	59	60	61	82	84	90	57
Asian ^c	198	217	231	225	231	260	248	253
Black or African American	310	307	283	285	311	274	332	349
Native Hawaiian or Other Pacific Islander ^c	22	12	13	11	17	23	20	16
White	5,995	5,717	5,726	5,775	5,798	6,282	6,510	6,642
More than one race ^c	14	19	13	13	49	59	73	92
Unknown ethnicity/race	341	369	436	417	490	515	465	433
Temporary visa holders	2,406	2,381	2,446	2,592	2,719	2,791	2,827	3,021
Biological sciences	57,697	58,918	60,093	60,428	60,662	61,466	62,770	62,773
U.S. citizens and permanent residents ^b	42,385	43,257	44,525	45,085	44,606	45,548	46,587	46,527
Hispanic or Latino	2,617	2,725	2,879	2,890	2,921	3,116	3,292	3,496
Not Hispanic or Latino								
American Indian or Alaska Native	223	266	248	250	271	275	312	283
Asian ^c	4,383	4,631	4,867	4,921	4,581	4,955	5,136	5,401
Black or African American	2,318	2,418	2,486	2,509	2,645	2,831	2,858	2,725
Native Hawaiian or Other Pacific Islander ^c	226	218	219	246	243	226	194	161

TABLE 15. Full-time 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	29,917	30,331	30,750	30,900	30,493	30,541	31,225	31,095
More than one race ^c	104	84	73	75	152	219	542	648
Unknown ethnicity/race	2,597	2,584	3,003	3,294	3,300	3,385	3,028	2,718
Temporary visa holders	15,312	15,661	15,568	15,343	16,056	15,918	16,183	16,246
Communication ^a	ne	ne	ne	4,528	5,224	6,091	6,274	6,913
U.S. citizens and permanent residents ^b	ne	ne	ne	3,549	4,058	4,757	5,001	5,501
Hispanic or Latino	ne	ne	ne	196	253	264	326	408
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	21	31	35	42	37
Asian ^c	ne	ne	ne	149	185	210	207	239
Black or African American	ne	ne	ne	279	335	366	401	563
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	3	11	22	10	13
White	ne	ne	ne	2,608	2,909	3,390	3,601	3,877
More than one race ^c	ne	ne	ne	0	7	63	90	100
Unknown ethnicity/race	ne	ne	ne	293	327	407	324	264
Temporary visa holders	ne	ne	ne	979	1,166	1,334	1,273	1,412
Computer sciences	28,317	28,760	30,511	30,082	31,338	32,198	32,782	32,861
U.S. citizens and permanent residents ^b	12,226	11,959	12,037	11,814	11,684	12,113	12,072	11,579
Hispanic or Latino	494	529	483	480	498	580	564	641
Not Hispanic or Latino								
American Indian or Alaska Native	41	48	43	41	65	61	61	45
Asian ^c	1,942	1,800	1,734	1,695	1,622	1,814	1,649	1,646
Black or African American	764	738	825	813	803	914	963	811
Native Hawaiian or Other Pacific Islander ^c	30	28	18	18	18	28	26	13
White	7,725	7,390	7,064	6,926	7,051	7,291	7,353	7,176
More than one race ^c	15	13	10	10	21	77	144	198
Unknown ethnicity/race	1,215	1,413	1,860	1,831	1,606	1,348	1,312	1,049
Temporary visa holders	16,091	16,801	18,474	18,268	19,654	20,085	20,710	21,282
Earth, atmospheric, and ocean sciences	11,370	11,431	11,376	10,892	11,171	11,589	12,318	12,404
U.S. citizens and permanent residents ^b	8,871	8,924	8,926	8,547	8,668	9,060	9,670	9,568
Hispanic or Latino	409	425	416	395	418	473	522	521
Not Hispanic or Latino								
American Indian or Alaska Native	47	52	61	53	59	61	72	75
Asian ^c	287	294	323	303	295	309	315	327
Black or African American	170	186	196	191	207	223	228	222
Native Hawaiian or Other Pacific Islander ^c	25	17	11	9	12	18	11	15
White	7,400	7,356	7,312	7,026	6,989	7,243	7,735	7,663
More than one race ^c	13	12	11	11	25	43	119	146
Unknown ethnicity/race	520	582	596	559	663	690	668	599
Temporary visa holders	2,499	2,507	2,450	2,345	2,503	2,529	2,648	2,836
Family and consumer sciences/human sciences ^a	ne	ne	ne	1,594	1,936	2,168	2,377	2,616
U.S. citizens and permanent residents ^b	ne	ne	ne	1,396	1,659	1,891	2,054	2,256
Hispanic or Latino	ne	ne	ne	50	66	83	114	133
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	14	13	11	14	8
Asian ^c	ne	ne	ne	61	83	81	95	88
Black or African American	ne	ne	ne	142	155	229	218	292
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	0	0	1	1	6
White	ne	ne	ne	1,046	1,198	1,377	1,443	1,590
More than one race ^c	ne	ne	ne	2	3	3	20	26
Unknown ethnicity/race	ne	ne	ne	81	141	106	149	113
Temporary visa holders	ne	ne	ne	198	277	277	323	360

TABLE 15. Full-time 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	15,261	15,571	15,966	15,668	16,241	16,885	17,606	18,303
U.S. citizens and permanent residents ^b	8,534	8,749	9,063	8,943	8,942	9,283	9,766	9,949
Hispanic or Latino	380	419	459	455	429	484	532	543
Not Hispanic or Latino								
American Indian or Alaska Native	25	40	31	29	37	32	38	39
Asian ^c	846	865	855	829	820	882	941	1,012
Black or African American	414	420	423	422	402	433	425	434
Native Hawaiian or Other Pacific Islander ^c	25	22	25	25	29	40	18	12
White	6,155	6,259	6,423	6,352	6,465	6,636	6,882	7,101
More than one race ^c	13	10	10	10	19	62	134	124
Unknown ethnicity/race	676	714	837	821	741	714	796	684
Temporary visa holders	6,727	6,822	6,903	6,725	7,299	7,602	7,840	8,354
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	2,398	3,110	3,957	5,063	4,103
U.S. citizens and permanent residents ^b	ne	ne	ne	1,830	2,344	3,087	3,995	3,223
Hispanic or Latino	ne	ne	ne	110	167	190	349	286
Not Hispanic or Latino								
American Indian or Alaska Native	ne	ne	ne	23	34	33	34	34
Asian ^c	ne	ne	ne	110	129	170	222	188
Black or African American	ne	ne	ne	131	169	233	320	259
Native Hawaiian or Other Pacific Islander ^c	ne	ne	ne	8	7	11	5	6
White	ne	ne	ne	1,159	1,472	1,904	2,546	2,132
More than one race ^c	ne	ne	ne	1	6	9	47	58
Unknown ethnicity/race	ne	ne	ne	288	360	537	472	260
Temporary visa holders	ne	ne	ne	568	766	870	1,068	880
Neuroscience ^a	na	na	na	1,530	1,909	2,261	2,682	3,911
U.S. citizens and permanent residents ^b	na	na	na	1,203	1,544	1,864	2,222	3,283
Hispanic or Latino	na	na	na	75	96	116	162	252
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	7	11	12	10	17
Asian ^c	na	na	na	132	168	205	223	355
Black or African American	na	na	na	55	60	81	82	125
Native Hawaiian or Other Pacific Islander ^c	na	na	na	4	6	4	5	9
White	na	na	na	865	1,091	1,284	1,579	2,270
More than one race ^c	na	na	na	0	2	7	11	49
Unknown ethnicity/race	na	na	na	65	110	155	150	206
Temporary visa holders	na	na	na	327	365	397	460	628
Physical sciences	32,400	32,841	33,091	32,857	33,254	34,181	34,856	35,643
U.S. citizens and permanent residents ^b	18,595	18,979	19,460	19,288	19,360	19,996	20,511	20,985
Hispanic or Latino	1,055	1,032	1,061	1,057	1,047	1,105	1,164	1,221
Not Hispanic or Latino								
American Indian or Alaska Native	70	102	91	89	89	96	83	84
Asian ^c	1,321	1,405	1,576	1,564	1,454	1,512	1,515	1,696
Black or African American	784	785	772	770	786	800	820	796
Native Hawaiian or Other Pacific Islander ^c	29	32	36	35	30	45	31	37
White	14,200	14,245	14,544	14,404	14,439	14,904	15,224	15,524
More than one race ^c	34	22	24	24	59	74	244	299
Unknown ethnicity/race	1,102	1,356	1,356	1,345	1,456	1,460	1,430	1,328
Temporary visa holders	13,805	13,862	13,631	13,569	13,894	14,185	14,345	14,658
Psychology ^d	38,919	38,994	41,166	40,678	42,103	40,373	38,571	38,548
U.S. citizens and permanent residents ^b	36,435	36,630	38,550	38,134	39,542	37,881	36,058	35,985
Hispanic or Latino	3,494	3,527	3,670	3,652	3,807	3,451	3,392	3,660
Not Hispanic or Latino								
American Indian or Alaska Native	240	243	246	246	280	256	250	238
Asian ^c	1,685	1,824	2,009	1,983	2,028	1,919	1,830	1,791
Black or African American	2,856	2,986	2,910	2,877	3,423	3,453	3,414	3,326
Native Hawaiian or Other Pacific Islander ^c	99	75	104	106	83	77	83	72

TABLE 15. Full-time 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	23,909	24,420	25,701	25,396	25,579	24,906	23,402	23,456
More than one race ^c	58	66	66	66	109	244	471	581
Unknown ethnicity/race	4,094	3,489	3,844	3,808	4,233	3,575	3,216	2,861
Temporary visa holders	2,484	2,364	2,616	2,544	2,561	2,492	2,513	2,563
Social sciences	63,609	65,991	67,984	66,752	68,225	71,569	72,929	73,492
U.S. citizens and permanent residents ^b	47,640	49,409	51,418	50,454	51,322	54,346	55,402	55,341
Hispanic or Latino	3,689	3,801	3,958	3,902	3,793	4,256	4,405	4,509
Not Hispanic or Latino								
American Indian or Alaska Native	438	447	487	476	548	551	477	487
Asian ^c	3,001	2,987	3,185	3,120	2,965	3,248	3,300	3,410
Black or African American	4,601	4,878	4,939	4,834	5,260	5,570	5,664	5,914
Native Hawaiian or Other Pacific Islander ^c	197	163	223	222	209	180	190	192
White	31,028	32,118	32,858	32,254	32,752	34,390	35,096	35,186
More than one race ^c	116	148	153	152	278	434	971	1,186
Unknown ethnicity/race	4,570	4,867	5,615	5,494	5,517	5,717	5,299	4,457
Temporary visa holders	15,969	16,582	16,566	16,298	16,903	17,223	17,527	18,151
Engineering	84,459	87,818	93,155	94,313	98,255	104,937	109,792	108,153
U.S. citizens and permanent residents ^b	38,852	40,334	42,176	42,846	44,549	48,645	52,273	49,419
Hispanic or Latino	2,404	2,526	2,642	2,673	2,692	3,102	3,526	3,628
Not Hispanic or Latino								
American Indian or Alaska Native	159	186	178	182	213	209	207	197
Asian ^c	5,289	5,337	5,701	5,759	5,822	6,149	6,755	6,629
Black or African American	1,969	2,140	2,169	2,220	2,283	2,372	2,469	2,281
Native Hawaiian or Other Pacific Islander ^c	81	72	123	126	99	90	102	103
White	25,781	25,991	27,085	27,550	29,097	31,919	34,030	31,876
More than one race ^c	45	43	38	39	86	263	773	916
Unknown ethnicity/race	3,124	4,039	4,240	4,297	4,257	4,541	4,411	3,789
Temporary visa holders	45,607	47,484	50,979	51,467	53,706	56,292	57,519	58,734
Aerospace engineering	3,241	3,374	3,482	3,482	3,691	3,974	4,211	4,251
U.S. citizens and permanent residents ^b	1,763	2,047	2,116	2,116	2,264	2,454	2,721	2,756
Hispanic or Latino	80	86	95	95	101	119	156	182
Not Hispanic or Latino								
American Indian or Alaska Native	8	9	9	9	16	11	5	8
Asian ^c	172	203	216	216	233	241	301	295
Black or African American	47	49	57	57	83	70	55	58
Native Hawaiian or Other Pacific Islander ^c	1	1	0	0	3	7	2	5
White	1,313	1,322	1,486	1,486	1,560	1,697	1,877	1,923
More than one race ^c	1	0	1	1	1	18	40	43
Unknown ethnicity/race	141	377	252	252	267	291	285	242
Temporary visa holders	1,478	1,327	1,366	1,366	1,427	1,520	1,490	1,495
Agricultural engineering	855	893	917	917	1,022	1,084	1,198	1,372
U.S. citizens and permanent residents ^b	392	388	401	401	425	483	491	556
Hispanic or Latino	11	13	9	9	17	22	22	27
Not Hispanic or Latino								
American Indian or Alaska Native	1	3	1	1	0	0	3	2
Asian ^c	32	29	22	22	22	18	26	38
Black or African American	19	20	18	18	17	28	29	36
Native Hawaiian or Other Pacific Islander ^c	1	1	2	2	0	1	0	1
White	311	307	322	322	351	386	373	423
More than one race ^c	0	1	2	2	0	1	5	8
Unknown ethnicity/race	17	14	25	25	18	27	33	21
Temporary visa holders	463	505	516	516	597	601	707	816

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Field, citizenship, ethnicity, and race	2005	2006	2007old ^a	2007new ^a	2008	2009	2010	2011
Architecture ^a	na	na	na	4,097	5,211	6,112	6,079	2,772
U.S. citizens and permanent residents ^b	na	na	na	3,259	4,230	4,996	4,916	2,049
Hispanic or Latino	na	na	na	184	332	404	376	224
Not Hispanic or Latino								
American Indian or Alaska Native	na	na	na	15	32	32	35	14
Asian ^c	na	na	na	210	267	291	321	143
Black or African American	na	na	na	172	217	230	211	110
Native Hawaiian or Other Pacific Islander ^c	na	na	na	4	6	5	7	3
White	na	na	na	2,382	3,008	3,546	3,509	1,338
More than one race ^c	na	na	na	1	10	31	88	51
Unknown ethnicity/race	na	na	na	291	358	457	369	166
Temporary visa holders	na	na	na	838	981	1,116	1,163	723
Biomedical engineering	5,254	5,666	5,898	5,921	6,262	6,859	7,418	7,931
U.S. citizens and permanent residents ^b	3,378	3,718	3,880	3,897	4,087	4,485	5,004	5,408
Hispanic or Latino	151	199	219	219	183	244	270	313
Not Hispanic or Latino								
American Indian or Alaska Native	12	17	18	18	19	17	13	15
Asian ^c	669	751	823	824	806	956	1,052	1,245
Black or African American	169	184	178	178	182	202	197	222
Native Hawaiian or Other Pacific Islander ^c	10	13	12	12	20	14	13	12
White	2,099	2,270	2,249	2,265	2,504	2,700	3,046	3,187
More than one race ^c	5	9	8	8	11	38	73	102
Unknown ethnicity/race	263	275	373	373	362	314	340	312
Temporary visa holders	1,876	1,948	2,018	2,024	2,175	2,374	2,414	2,523
Chemical engineering	6,139	6,218	6,275	6,459	6,762	7,110	7,516	7,639
U.S. citizens and permanent residents ^b	2,921	2,977	2,925	3,011	3,079	3,304	3,504	3,603
Hispanic or Latino	204	223	207	207	191	189	230	242
Not Hispanic or Latino								
American Indian or Alaska Native	23	16	13	13	13	13	17	12
Asian ^c	365	400	364	374	399	440	494	515
Black or African American	116	120	119	124	119	128	126	123
Native Hawaiian or Other Pacific Islander ^c	10	7	15	15	2	2	11	20
White	2,056	2,064	2,051	2,122	2,170	2,315	2,346	2,438
More than one race ^c	12	3	1	1	9	11	34	49
Unknown ethnicity/race	135	144	155	155	176	206	246	204
Temporary visa holders	3,218	3,241	3,350	3,448	3,683	3,806	4,012	4,036
Civil engineering ^a	13,196	13,074	14,691	11,336	11,909	13,503	14,191	14,363
U.S. citizens and permanent residents ^b	7,474	7,520	8,863	6,175	6,378	7,543	7,989	7,809
Hispanic or Latino	590	618	668	515	456	561	689	683
Not Hispanic or Latino								
American Indian or Alaska Native	32	43	52	40	32	34	32	43
Asian ^c	603	570	689	519	545	694	783	765
Black or African American	273	308	409	286	266	313	341	299
Native Hawaiian or Other Pacific Islander ^c	14	10	16	15	10	14	22	21
White	5,441	5,337	6,275	4,288	4,524	5,083	5,317	5,285
More than one race ^c	4	4	5	5	12	37	232	263
Unknown ethnicity/race	517	630	749	507	533	807	573	450
Temporary visa holders	5,722	5,554	5,828	5,161	5,531	5,960	6,202	6,554
Electrical engineering	25,849	27,379	28,934	29,076	29,212	29,282	29,977	30,735
U.S. citizens and permanent residents ^b	8,790	8,696	8,421	8,448	8,486	8,362	8,904	8,802
Hispanic or Latino	578	539	522	522	507	530	638	648
Not Hispanic or Latino								
American Indian or Alaska Native	26	28	29	30	33	33	32	34
Asian ^c	1,969	1,823	1,623	1,625	1,666	1,656	1,677	1,620
Black or African American	462	497	467	470	468	481	532	500
Native Hawaiian or Other Pacific Islander ^c	14	8	40	40	25	14	15	9

TABLE 15. Full-time 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	4,967	4,785	4,777	4,798	4,674	4,737	5,016	4,903
More than one race ^c	15	15	11	11	13	38	102	128
Unknown ethnicity/race	759	1,001	952	952	1,100	873	892	960
Temporary visa holders	17,059	18,683	20,513	20,628	20,726	20,920	21,073	21,933
Engineering science	1,613	1,656	1,454	1,432	1,486	1,490	1,502	1,574
U.S. citizens and permanent residents ^b	827	861	763	743	784	754	773	783
Hispanic or Latino	29	30	23	22	33	38	44	42
Not Hispanic or Latino								
American Indian or Alaska Native	9	7	6	5	4	4	1	0
Asian ^c	119	123	128	117	109	95	108	88
Black or African American	22	34	23	23	24	24	26	28
Native Hawaiian or Other Pacific Islander ^c	0	1	2	2	3	0	0	1
White	594	600	524	522	532	502	502	528
More than one race ^c	3	3	1	1	1	4	13	17
Unknown ethnicity/race	51	63	56	51	78	87	79	79
Temporary visa holders	786	795	691	689	702	736	729	791
Industrial engineering	6,113	6,421	7,036	7,422	8,216	8,362	8,371	8,251
U.S. citizens and permanent residents ^b	2,549	2,796	2,657	2,882	3,144	3,251	3,314	3,253
Hispanic or Latino	210	211	199	209	221	248	266	303
Not Hispanic or Latino								
American Indian or Alaska Native	15	22	8	10	12	16	13	13
Asian ^c	284	327	354	403	363	341	381	353
Black or African American	255	276	270	271	348	322	270	243
Native Hawaiian or Other Pacific Islander ^c	3	7	3	4	1	9	4	3
White	1,500	1,511	1,400	1,487	1,779	1,836	1,819	1,876
More than one race ^c	1	0	0	0	7	27	27	45
Unknown ethnicity/race	281	442	423	498	413	452	534	417
Temporary visa holders	3,564	3,625	4,379	4,540	5,072	5,111	5,057	4,998
Mechanical engineering	12,178	12,666	13,170	13,160	13,763	15,609	16,625	16,084
U.S. citizens and permanent residents ^b	5,712	6,026	6,411	6,404	6,567	7,462	8,273	7,934
Hispanic or Latino	331	371	417	417	402	447	502	579
Not Hispanic or Latino								
American Indian or Alaska Native	20	23	25	25	24	28	32	31
Asian ^c	547	559	848	849	798	775	890	871
Black or African American	282	283	261	260	250	272	310	303
Native Hawaiian or Other Pacific Islander ^c	10	20	9	9	15	13	15	15
White	4,117	4,332	4,352	4,345	4,518	5,286	5,850	5,541
More than one race ^c	1	4	5	5	8	32	93	110
Unknown ethnicity/race	404	434	494	494	552	609	581	484
Temporary visa holders	6,466	6,640	6,759	6,756	7,196	8,147	8,352	8,150
Metallurgical/materials engineering	4,507	4,627	4,667	4,613	4,811	5,181	5,551	5,877
U.S. citizens and permanent residents ^b	2,066	2,237	2,257	2,235	2,302	2,475	2,660	2,714
Hispanic or Latino	81	83	95	96	94	126	140	177
Not Hispanic or Latino								
American Indian or Alaska Native	4	6	8	8	12	9	9	8
Asian ^c	267	289	282	279	300	309	353	349
Black or African American	80	114	114	110	98	85	102	104
Native Hawaiian or Other Pacific Islander ^c	7	1	9	9	5	1	2	6
White	1,534	1,592	1,583	1,558	1,635	1,780	1,873	1,866
More than one race ^c	1	3	2	2	7	14	30	38
Unknown ethnicity/race	92	149	164	173	151	151	151	166
Temporary visa holders	2,441	2,390	2,410	2,378	2,509	2,706	2,891	3,163

TABLE 15. Full-time 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	212	181	209	142	207	212	361	414
U.S. citizens and permanent residents ^b	111	78	104	65	93	110	146	143
Hispanic or Latino	6	3	5	3	7	9	4	5
Not Hispanic or Latino								
American Indian or Alaska Native	0	1	0	0	2	1	1	0
Asian ^c	3	0	6	5	7	8	4	4
Black or African American	3	2	5	0	3	7	11	6
Native Hawaiian or Other Pacific Islander ^c	0	0	0	0	0	0	0	0
White	82	64	83	53	72	82	114	117
More than one race ^c	0	0	0	0	0	0	2	1
Unknown ethnicity/race	17	8	5	4	2	3	10	10
Temporary visa holders	101	103	105	77	114	102	215	271
Nuclear engineering	840	910	960	951	941	968	1,123	1,165
U.S. citizens and permanent residents ^b	515	610	706	704	691	702	846	882
Hispanic or Latino	26	36	35	35	36	32	43	37
Not Hispanic or Latino								
American Indian or Alaska Native	3	2	2	2	3	3	3	4
Asian ^c	35	31	42	42	41	45	59	59
Black or African American	17	15	15	15	19	16	13	12
Native Hawaiian or Other Pacific Islander ^c	2	0	0	0	5	1	2	2
White	407	478	516	514	536	541	638	682
More than one race ^c	0	0	0	0	1	0	12	21
Unknown ethnicity/race	25	48	96	96	50	64	76	65
Temporary visa holders	325	300	254	247	250	266	277	283
Petroleum engineering	631	647	792	792	828	993	1,063	1,064
U.S. citizens and permanent residents ^b	103	104	135	135	113	139	184	179
Hispanic or Latino	11	10	10	10	6	9	12	12
Not Hispanic or Latino								
American Indian or Alaska Native	0	0	0	0	0	0	0	0
Asian ^c	10	10	11	11	8	14	29	23
Black or African American	19	14	29	29	19	12	19	21
Native Hawaiian or Other Pacific Islander ^c	0	0	0	0	0	0	0	0
White	59	57	72	72	72	100	113	110
More than one race ^c	0	0	0	0	0	0	2	1
Unknown ethnicity/race	4	13	13	13	8	4	9	12
Temporary visa holders	528	543	657	657	715	854	879	885
Engineering, nec	3,831	4,106	4,670	4,513	3,934	4,198	4,606	4,661
U.S. citizens and permanent residents ^b	2,251	2,276	2,537	2,371	1,906	2,125	2,548	2,548
Hispanic or Latino	96	104	138	130	106	124	134	154
Not Hispanic or Latino								
American Indian or Alaska Native	6	9	7	6	11	8	11	13
Asian ^c	214	222	293	263	258	266	277	261
Black or African American	205	224	204	207	170	182	227	216
Native Hawaiian or Other Pacific Islander ^c	9	3	15	14	4	9	9	5
White	1,301	1,272	1,395	1,336	1,162	1,328	1,637	1,659
More than one race ^c	2	1	2	2	6	12	20	39
Unknown ethnicity/race	418	441	483	413	189	196	233	201
Temporary visa holders	1,580	1,830	2,133	2,142	2,028	2,073	2,058	2,113
Health ^{a,d}	64,878	69,213	67,884	65,823	66,053	57,617	52,078	46,124
U.S. citizens and permanent residents ^b	58,433	62,346	61,213	59,397	59,221	50,689	45,604	39,991
Hispanic or Latino	3,791	4,060	3,997	3,886	3,688	3,440	3,198	2,906
Not Hispanic or Latino								
American Indian or Alaska Native	307	335	389	382	407	312	243	209
Asian ^c	4,727	5,066	4,711	4,544	4,187	3,778	3,518	3,072
Black or African American	4,554	5,078	4,622	4,550	5,064	4,583	4,417	4,330
Native Hawaiian or Other Pacific Islander ^c	157	176	216	183	191	131	163	235

TABLE 15. Full-time 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	40,436	43,368	42,581	41,499	40,690	34,466	30,429	26,013
More than one race ^c	83	90	69	67	159	242	600	580
Unknown ethnicity/race	4,378	4,173	4,628	4,286	4,835	3,737	3,036	2,646
Temporary visa holders	6,445	6,867	6,671	6,426	6,832	6,928	6,474	6,133

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.