

TABLE 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1995-2002

Field, citizenship, and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002
All surveyed fields	279,305	271,660	264,497	261,019	262,675	262,109	271,157	287,261
U.S. citizens and permanent residents	204,854	198,157	191,330	186,588	183,127	173,637	174,561	182,933
American Indian/Alaska Native	833	863	890	891	850	843	929	931
Asian/Pacific Islander	17,483	17,268	17,118	17,564	17,750	16,079	16,972	18,669
Black, non-Hispanic	8,930	8,970	9,115	9,245	9,528	9,289	9,436	10,038
Hispanic	8,174	8,445	8,559	8,756	9,178	9,352	9,648	10,325
White, non-Hispanic	157,437	151,265	143,707	138,292	134,388	125,512	124,759	128,895
Other or unknown	11,997	11,346	11,941	11,840	11,433	12,562	12,817	14,075
Students with temporary visas	74,451	73,503	73,167	74,431	79,548	88,472	96,596	104,328
Science and engineering	262,256	253,510	245,619	241,429	242,786	243,057	251,812	266,521
U.S. citizens and permanent residents	189,915	182,519	174,934	169,490	165,823	157,023	158,060	165,580
American Indian/Alaska Native	753	768	804	797	744	734	808	811
Asian/Pacific Islander	16,371	15,946	15,682	15,896	16,046	14,404	15,234	16,900
Black, non-Hispanic	8,210	8,247	8,329	8,320	8,565	8,298	8,383	8,932
Hispanic	7,400	7,647	7,695	7,842	8,196	8,268	8,514	9,196
White, non-Hispanic	146,011	139,325	131,492	125,734	121,810	113,782	113,259	116,805
Other or unknown	11,170	10,586	10,932	10,901	10,462	11,537	11,862	12,936
Students with temporary visas	72,341	70,991	70,685	71,939	76,963	86,034	93,752	100,941
Sciences	173,068	168,540	163,191	160,379	160,982	159,691	164,576	171,867
U.S. citizens and permanent residents	131,175	127,186	122,823	119,622	118,016	112,367	113,516	118,029
American Indian/Alaska Native	572	577	624	624	569	596	646	636
Asian/Pacific Islander	9,134	9,288	9,331	9,718	9,894	8,914	9,298	10,145
Black, non-Hispanic	6,253	6,292	6,366	6,378	6,576	6,348	6,449	6,923
Hispanic	5,204	5,380	5,522	5,629	5,974	5,988	6,173	6,696
White, non-Hispanic	102,954	98,856	93,670	89,802	87,611	82,325	82,401	84,334
Other or unknown	7,058	6,793	7,310	7,471	7,392	8,196	8,549	9,295
Students with temporary visas	41,893	41,354	40,368	40,757	42,966	47,324	51,060	53,838
Physical sciences	24,314	23,288	22,257	21,822	21,776	21,270	21,702	22,276
U.S. citizens and permanent residents	15,940	15,151	14,373	14,004	13,697	12,898	12,976	13,108
American Indian/Alaska Native	57	42	46	41	40	54	54	55
Asian/Pacific Islander	1,159	1,097	1,044	1,150	1,046	951	916	893
Black, non-Hispanic	529	550	508	481	501	493	462	486
Hispanic	469	455	499	525	549	507	539	605
White, non-Hispanic	13,004	12,386	11,587	11,048	10,872	10,176	10,084	10,158
Other or unknown	722	621	689	759	689	717	921	911
Students with temporary visas	8,374	8,137	7,884	7,818	8,079	8,372	8,726	9,168
Earth, atmosphere, and ocean science	10,282	9,736	9,132	8,690	8,358	8,188	7,949	7,993
U.S. citizens and permanent residents	8,132	7,742	7,336	6,954	6,695	6,392	6,148	6,237
American Indian/Alaska Native	31	36	47	44	32	33	37	45
Asian/Pacific Islander	260	249	253	238	208	179	171	158
Black, non-Hispanic	116	115	105	103	112	120	125	135
Hispanic	223	230	236	202	200	186	196	191
White, non-Hispanic	7,200	6,820	6,363	6,033	5,873	5,612	5,362	5,389
Other or unknown	302	292	332	334	270	262	257	319
Students with temporary visas	2,150	1,994	1,796	1,736	1,663	1,796	1,801	1,756

See explanatory information, if any, and SOURCE at end of table.

TABLE 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1995-2002

Field, citizenship, and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002
Mathematical sciences	12,246	11,789	10,851	10,497	10,214	9,870	10,381	11,277
U.S. citizens and permanent residents	8,093	7,690	7,006	6,859	6,348	5,932	6,240	6,772
American Indian/Alaska Native	43	24	29	16	12	15	22	18
Asian/Pacific Islander	669	701	622	704	565	531	552	664
Black, non-Hispanic	385	368	347	339	324	299	320	340
Hispanic	248	266	254	276	270	310	322	335
White, non-Hispanic	6,228	5,906	5,316	5,057	4,798	4,354	4,587	4,878
Other or unknown	520	425	438	467	379	423	437	537
Students with temporary visas	4,153	4,099	3,845	3,638	3,866	3,938	4,141	4,505
Computer sciences	25,325	25,829	26,110	27,225	29,933	33,270	36,894	39,540
U.S. citizens and permanent residents	17,126	17,043	16,876	17,028	17,911	17,682	18,544	20,424
American Indian/Alaska Native	41	40	43	68	50	50	58	53
Asian/Pacific Islander	2,706	2,834	2,978	3,299	3,826	3,323	3,485	3,950
Black, non-Hispanic	652	716	765	764	815	844	943	1,081
Hispanic	502	523	513	559	653	617	650	746
White, non-Hispanic	11,690	11,439	10,919	10,750	10,856	10,839	11,279	12,193
Other or unknown	1,535	1,491	1,658	1,588	1,711	2,009	2,129	2,401
Students with temporary visas	8,199	8,786	9,234	10,197	12,022	15,588	18,350	19,116
Agricultural sciences	8,169	7,716	7,497	7,316	7,263	6,935	6,892	7,045
U.S. citizens and permanent residents	5,869	5,565	5,543	5,508	5,580	5,371	5,316	5,444
American Indian/Alaska Native	31	22	34	45	46	34	35	36
Asian/Pacific Islander	152	147	168	160	143	112	115	136
Black, non-Hispanic	155	144	128	168	159	139	126	162
Hispanic	156	207	248	211	209	223	210	197
White, non-Hispanic	5,130	4,869	4,771	4,759	4,856	4,626	4,547	4,670
Other or unknown	245	176	194	165	167	237	283	243
Students with temporary visas	2,300	2,151	1,954	1,808	1,683	1,564	1,576	1,601
Biological sciences	29,629	29,107	28,229	27,742	27,338	26,475	26,590	27,659
U.S. citizens and permanent residents	22,982	22,988	22,288	21,856	21,590	20,557	20,536	21,046
American Indian/Alaska Native	86	93	91	88	80	79	95	88
Asian/Pacific Islander	2,164	2,251	2,162	2,089	2,099	1,993	2,171	2,228
Black, non-Hispanic	686	708	753	764	761	760	792	817
Hispanic	850	849	897	924	968	963	1,009	1,117
White, non-Hispanic	18,243	18,154	17,332	16,869	16,511	15,578	15,347	15,589
Other or unknown	953	933	1,053	1,122	1,171	1,184	1,122	1,207
Students with temporary visas	6,647	6,119	5,941	5,886	5,748	5,918	6,054	6,613
Psychology	15,877	15,375	15,507	15,095	14,456	13,594	13,149	13,454
U.S. citizens and permanent residents	15,020	14,667	14,757	14,297	13,666	12,842	12,372	12,361
American Indian/Alaska Native	93	111	118	87	88	103	83	82
Asian/Pacific Islander	416	465	510	551	536	532	548	554
Black, non-Hispanic	817	808	908	887	905	871	868	948
Hispanic	762	807	860	881	957	1,039	1,048	1,125
White, non-Hispanic	11,983	11,574	11,316	10,915	10,195	9,359	9,025	8,826
Other or unknown	949	902	1,045	976	985	938	800	826
Students with temporary visas	857	708	750	798	790	752	777	1,093

See explanatory information, if any, and SOURCE at end of table.

TABLE 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1995-2002

Field, citizenship, and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002
Social sciences	47,226	45,700	43,608	41,992	41,644	40,089	41,019	42,623
U.S. citizens and permanent residents	38,013	36,340	34,644	33,116	32,529	30,693	31,384	32,637
American Indian/Alaska Native	190	209	216	235	221	228	262	259
Asian/Pacific Islander	1,608	1,544	1,594	1,527	1,471	1,293	1,340	1,562
Black, non-Hispanic	2,913	2,883	2,852	2,872	2,999	2,822	2,813	2,954
Hispanic	1,994	2,043	2,015	2,051	2,168	2,143	2,199	2,380
White, non-Hispanic	29,476	27,708	26,066	24,371	23,650	21,781	22,170	22,631
Other or unknown	1,832	1,953	1,901	2,060	2,020	2,426	2,600	2,851
Students with temporary visas	9,213	9,360	8,964	8,876	9,115	9,396	9,635	9,986
Engineering	89,188	84,970	82,428	81,050	81,804	83,366	87,236	94,654
U.S. citizens and permanent residents	58,740	55,333	52,111	49,868	47,807	44,656	44,544	47,551
American Indian/Alaska Native	181	191	180	173	175	138	162	175
Asian/Pacific Islander	7,237	6,658	6,351	6,178	6,152	5,490	5,936	6,755
Black, non-Hispanic	1,957	1,955	1,963	1,942	1,989	1,950	1,934	2,009
Hispanic	2,196	2,267	2,173	2,213	2,222	2,280	2,341	2,500
White, non-Hispanic	43,057	40,469	37,822	35,932	34,199	31,457	30,858	32,471
Other or unknown	4,112	3,793	3,622	3,430	3,070	3,341	3,313	3,641
Students with temporary visas	30,448	29,637	30,317	31,182	33,997	38,710	42,692	47,103
Chemical engineering	5,885	5,757	5,568	5,366	5,150	5,181	5,084	5,419
U.S. citizens and permanent residents	3,438	3,457	3,348	3,149	2,849	2,672	2,433	2,605
American Indian/Alaska Native	13	23	10	13	11	9	5	13
Asian/Pacific Islander	337	345	361	321	310	336	334	352
Black, non-Hispanic	85	94	85	105	68	89	78	79
Hispanic	133	130	105	114	128	113	108	122
White, non-Hispanic	2,724	2,689	2,623	2,420	2,162	1,964	1,807	1,912
Other or unknown	146	176	164	176	170	161	101	127
Students with temporary visas	2,447	2,300	2,220	2,217	2,301	2,509	2,651	2,814
Civil engineering	14,986	14,228	13,029	12,415	12,069	12,174	12,162	12,808
U.S. citizens and permanent residents	10,294	9,946	8,975	8,509	7,846	7,397	7,115	7,344
American Indian/Alaska Native	32	38	41	31	43	29	29	40
Asian/Pacific Islander	957	903	760	791	615	506	492	557
Black, non-Hispanic	313	330	299	277	277	270	273	271
Hispanic	422	508	488	504	498	540	508	504
White, non-Hispanic	8,033	7,575	6,896	6,459	5,990	5,641	5,381	5,479
Other or unknown	537	592	491	447	423	411	432	493
Students with temporary visas	4,692	4,282	4,054	3,906	4,223	4,777	5,047	5,464
Electrical engineering	26,707	25,712	26,237	26,512	26,689	28,075	29,888	32,688
U.S. citizens and permanent residents	16,977	15,952	15,535	14,941	14,128	13,069	13,154	13,911
American Indian/Alaska Native	46	45	39	25	36	26	39	27
Asian/Pacific Islander	3,062	2,877	2,797	2,734	2,787	2,457	2,726	3,107
Black, non-Hispanic	634	611	680	680	686	629	620	645
Hispanic	672	672	689	692	631	618	683	766
White, non-Hispanic	11,191	10,443	9,926	9,495	8,798	8,001	7,865	8,093
Other or unknown	1,372	1,304	1,404	1,315	1,190	1,338	1,221	1,273
Students with temporary visas	9,730	9,760	10,702	11,571	12,561	15,006	16,734	18,777

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TABLE 14. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 1995-2002

Field, citizenship, and race/ethnicity	1995	1996	1997	1998	1999	2000	2001	2002
Industrial engineering	10,652	9,906	9,301	8,769	9,144	9,406	10,132	10,957
U.S. citizens and permanent residents	7,817	7,130	6,537	6,000	6,070	5,678	5,717	6,231
American Indian/Alaska Native	17	18	17	23	23	27	30	27
Asian/Pacific Islander	690	574	563	487	586	464	492	638
Black, non-Hispanic	313	294	270	257	309	310	349	352
Hispanic	280	303	281	247	291	298	302	302
White, non-Hispanic	5,626	5,320	4,953	4,492	4,446	4,118	4,093	4,419
Other or unknown	891	621	453	494	415	461	451	493
Students with temporary visas	2,835	2,776	2,764	2,769	3,074	3,728	4,415	4,726
Mechanical engineering	14,686	13,873	13,266	12,934	13,168	13,403	13,908	15,032
U.S. citizens and permanent residents	9,681	8,882	8,185	7,893	7,619	7,046	7,066	7,417
American Indian/Alaska Native	37	28	27	20	25	18	23	23
Asian/Pacific Islander	1,044	910	804	835	829	674	777	743
Black, non-Hispanic	319	327	324	308	287	292	273	279
Hispanic	367	323	298	332	336	317	342	367
White, non-Hispanic	7,241	6,695	6,217	5,866	5,742	5,318	5,204	5,488
Other or unknown	673	599	515	532	400	427	447	517
Students with temporary visas	5,005	4,991	5,081	5,041	5,549	6,357	6,842	7,615
Other engineering	16,272	15,494	15,027	15,054	15,584	15,127	16,062	17,750
U.S. citizens and permanent residents	10,533	9,966	9,531	9,376	9,295	8,794	9,059	10,043
American Indian/Alaska Native	36	39	46	61	37	29	36	45
Asian/Pacific Islander	1,147	1,049	1,066	1,010	1,025	1,053	1,115	1,358
Black, non-Hispanic	293	299	305	315	362	360	341	383
Hispanic	322	331	312	324	338	394	398	439
White, non-Hispanic	8,242	7,747	7,207	7,200	7,061	6,415	6,508	7,080
Other or unknown	493	501	595	466	472	543	661	738
Students with temporary visas	5,739	5,528	5,496	5,678	6,289	6,333	7,003	7,707
Health	17,049	18,150	18,878	19,590	19,889	19,052	19,345	20,740
U.S. citizens and permanent residents	14,939	15,638	16,396	17,098	17,304	16,614	16,501	17,353
American Indian/Alaska Native	80	95	86	94	106	109	121	120
Asian/Pacific Islander	1,112	1,322	1,436	1,668	1,704	1,675	1,738	1,769
Black, non-Hispanic	720	723	786	925	963	991	1,053	1,106
Hispanic	774	798	864	914	982	1,084	1,134	1,129
White, non-Hispanic	11,426	11,940	12,215	12,558	12,578	11,730	11,500	12,090
Other or unknown	827	760	1,009	939	971	1,025	955	1,139
Students with temporary visas	2,110	2,512	2,482	2,492	2,585	2,438	2,844	3,387

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.