

TABLE 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and 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	499,640	494,079	487,208	485,627	493,256	493,311	509,620	540,720
U.S. citizens and permanent residents	396,755	391,095	383,327	378,560	377,802	364,954	368,921	388,351
American Indian/Alaska Native	1,856	1,906	1,969	2,036	1,994	2,021	2,136	2,242
Asian/Pacific Islander	29,361	29,926	30,371	31,615	32,717	30,250	32,116	35,420
Black, non-Hispanic	22,148	22,972	23,560	24,261	25,200	25,928	27,075	28,753
Hispanic	17,237	17,742	18,154	18,765	20,322	21,327	22,329	24,259
White, non-Hispanic	304,438	297,164	286,607	279,450	275,325	261,112	260,380	270,183
Other or unknown	21,715	21,385	22,666	22,433	22,244	24,316	24,885	27,494
Students with temporary visas	102,885	102,984	103,881	107,067	115,454	128,357	140,699	152,369
Science and engineering	422,466	415,181	407,630	404,856	411,182	413,536	429,242	455,355
U.S. citizens and permanent residents	323,962	317,075	308,668	302,879	301,254	290,711	294,792	310,243
American Indian/Alaska Native	1,516	1,538	1,599	1,607	1,553	1,602	1,683	1,736
Asian/Pacific Islander	25,902	25,929	26,012	26,726	27,570	25,058	26,665	29,712
Black, non-Hispanic	18,285	19,066	19,341	19,651	20,273	20,834	21,459	22,711
Hispanic	14,112	14,571	14,984	15,487	16,520	17,203	17,974	19,630
White, non-Hispanic	245,857	238,032	228,007	220,667	216,750	205,569	206,027	213,497
Other or unknown	18,290	17,939	18,725	18,741	18,588	20,445	20,984	22,957
Students with temporary visas	98,504	98,106	98,962	101,977	109,928	122,825	134,450	145,112
Sciences	315,265	311,957	306,482	304,818	309,491	309,424	319,749	335,747
U.S. citizens and permanent residents	252,245	248,907	244,026	240,630	241,066	234,000	237,821	248,897
American Indian/Alaska Native	1,286	1,304	1,360	1,371	1,311	1,394	1,456	1,492
Asian/Pacific Islander	16,884	17,489	17,879	18,714	19,409	17,784	18,658	20,303
Black, non-Hispanic	15,428	16,167	16,462	16,830	17,308	17,857	18,544	19,641
Hispanic	11,304	11,635	12,172	12,587	13,596	14,185	14,791	16,169
White, non-Hispanic	193,926	188,943	181,914	176,569	174,687	166,486	167,568	172,969
Other or unknown	13,417	13,369	14,239	14,559	14,755	16,294	16,804	18,323
Students with temporary visas	63,020	63,050	62,456	64,188	68,425	75,424	81,928	86,850
Physical sciences	33,399	32,333	31,105	30,575	30,691	30,385	31,038	32,342
U.S. citizens and permanent residents	21,990	21,155	20,210	19,837	19,559	18,730	18,835	19,290
American Indian/Alaska Native	76	60	70	64	69	75	81	83
Asian/Pacific Islander	1,780	1,745	1,638	1,760	1,682	1,524	1,458	1,424
Black, non-Hispanic	897	986	952	913	903	918	875	893
Hispanic	731	742	782	832	895	844	896	981
White, non-Hispanic	17,486	16,757	15,767	15,218	15,037	14,343	14,248	14,659
Other or unknown	1,020	865	1,001	1,050	973	1,026	1,277	1,250
Students with temporary visas	11,409	11,178	10,895	10,738	11,132	11,655	12,203	13,052
Earth, atmosphere, and ocean science	15,716	15,183	14,548	14,258	14,083	13,941	13,841	14,240
U.S. citizens and permanent residents	12,769	12,417	12,033	11,759	11,563	11,249	11,059	11,472
American Indian/Alaska Native	52	65	82	84	63	61	70	81
Asian/Pacific Islander	419	409	417	424	400	351	341	355
Black, non-Hispanic	215	219	203	202	213	220	227	266
Hispanic	365	374	399	370	400	355	397	413
White, non-Hispanic	11,245	10,873	10,402	10,098	10,007	9,812	9,573	9,799
Other or unknown	473	477	530	581	480	450	451	558
Students with temporary visas	2,947	2,766	2,515	2,499	2,520	2,692	2,782	2,768

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

TABLE 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and 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	18,504	18,008	16,719	16,485	16,257	15,650	16,651	18,163
U.S. citizens and permanent residents	12,695	12,247	11,175	11,064	10,330	9,593	10,167	11,158
American Indian/Alaska Native	70	41	43	34	30	25	38	24
Asian/Pacific Islander	1,121	1,223	1,051	1,174	1,002	948	985	1,202
Black, non-Hispanic	689	711	657	613	594	572	590	626
Hispanic	400	425	427	454	447	460	482	542
White, non-Hispanic	9,654	9,196	8,351	8,097	7,659	6,955	7,386	7,924
Other or unknown	761	651	646	692	598	633	686	840
Students with temporary visas	5,809	5,761	5,544	5,421	5,927	6,057	6,484	7,005
Computer sciences	33,458	34,626	35,991	38,027	42,478	47,350	52,196	55,559
U.S. citizens and permanent residents	22,663	22,779	23,074	23,605	25,323	25,088	26,223	28,758
American Indian/Alaska Native	56	54	60	92	74	80	87	84
Asian/Pacific Islander	4,043	4,266	4,626	5,219	6,144	5,332	5,508	6,164
Black, non-Hispanic	1,155	1,276	1,300	1,355	1,485	1,512	1,709	1,924
Hispanic	664	700	723	754	865	863	894	1,031
White, non-Hispanic	14,773	14,479	14,062	13,948	14,377	14,468	15,057	16,172
Other or unknown	1,972	2,004	2,303	2,237	2,378	2,833	2,968	3,383
Students with temporary visas	10,795	11,847	12,917	14,422	17,155	22,262	25,973	26,801
Agricultural sciences	12,768	12,301	12,203	12,168	12,312	12,023	12,235	12,698
U.S. citizens and permanent residents	9,567	9,283	9,414	9,514	9,774	9,612	9,722	10,085
American Indian/Alaska Native	62	48	62	71	69	56	58	76
Asian/Pacific Islander	282	291	309	315	310	250	262	286
Black, non-Hispanic	308	304	288	344	310	292	327	375
Hispanic	292	376	411	391	422	440	425	406
White, non-Hispanic	8,233	7,983	7,990	8,093	8,383	8,152	8,147	8,486
Other or unknown	390	281	354	300	280	422	503	456
Students with temporary visas	3,201	3,018	2,789	2,654	2,538	2,411	2,513	2,613
Biological sciences	58,344	57,749	56,705	56,695	56,959	56,282	57,639	61,132
U.S. citizens and permanent residents	46,276	46,377	45,641	45,359	45,770	44,521	45,205	47,398
American Indian/Alaska Native	203	200	197	191	186	189	205	212
Asian/Pacific Islander	4,298	4,458	4,479	4,439	4,476	4,246	4,710	4,903
Black, non-Hispanic	1,871	1,974	2,105	2,141	2,218	2,241	2,351	2,493
Hispanic	1,822	1,849	1,987	2,053	2,185	2,183	2,338	2,586
White, non-Hispanic	36,279	36,116	34,778	34,323	34,319	33,255	33,193	34,567
Other or unknown	1,803	1,780	2,095	2,212	2,386	2,407	2,408	2,637
Students with temporary visas	12,068	11,372	11,064	11,336	11,189	11,761	12,434	13,734
Psychology	53,641	53,122	53,126	52,557	51,727	50,466	50,467	51,335
U.S. citizens and permanent residents	51,554	51,149	51,118	50,371	49,488	48,203	47,946	48,469
American Indian/Alaska Native	330	359	341	311	300	360	334	319
Asian/Pacific Islander	1,598	1,757	1,909	2,019	2,038	2,063	2,176	2,207
Black, non-Hispanic	3,359	3,452	3,644	3,813	3,749	4,214	4,347	4,493
Hispanic	2,799	2,937	3,075	3,228	3,567	4,145	4,309	4,658
White, non-Hispanic	40,146	39,327	38,724	37,622	36,267	33,801	33,578	33,596
Other or unknown	3,322	3,317	3,425	3,378	3,567	3,620	3,202	3,196
Students with temporary visas	2,087	1,973	2,008	2,186	2,239	2,263	2,521	2,866

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

TABLE 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and 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	89,435	88,635	86,085	84,053	84,984	83,327	85,682	90,278
U.S. citizens and permanent residents	74,731	73,500	71,361	69,121	69,259	67,004	68,664	72,267
American Indian/Alaska Native	437	477	505	524	520	548	583	613
Asian/Pacific Islander	3,343	3,340	3,450	3,364	3,357	3,070	3,218	3,762
Black, non-Hispanic	6,934	7,245	7,313	7,449	7,836	7,888	8,118	8,571
Hispanic	4,231	4,232	4,368	4,505	4,815	4,895	5,050	5,552
White, non-Hispanic	56,110	54,212	51,840	49,170	48,638	45,700	46,386	47,766
Other or unknown	3,676	3,994	3,885	4,109	4,093	4,903	5,309	6,003
Students with temporary visas	14,704	15,135	14,724	14,932	15,725	16,323	17,018	18,011
Engineering	107,201	103,224	101,148	100,038	101,691	104,112	109,493	119,608
U.S. citizens and permanent residents	71,717	68,168	64,642	62,249	60,188	56,711	56,971	61,346
American Indian/Alaska Native	230	234	239	236	242	208	227	244
Asian/Pacific Islander	9,018	8,440	8,133	8,012	8,161	7,274	8,007	9,409
Black, non-Hispanic	2,857	2,899	2,879	2,821	2,965	2,977	2,915	3,070
Hispanic	2,808	2,936	2,812	2,900	2,924	3,018	3,183	3,461
White, non-Hispanic	51,931	49,089	46,093	44,098	42,063	39,083	38,459	40,528
Other or unknown	4,873	4,570	4,486	4,182	3,833	4,151	4,180	4,634
Students with temporary visas	35,484	35,056	36,506	37,789	41,503	47,401	52,522	58,262
Chemical engineering	7,452	7,408	7,288	7,093	6,883	7,056	6,913	7,414
U.S. citizens and permanent residents	4,483	4,521	4,424	4,208	3,869	3,726	3,418	3,690
American Indian/Alaska Native	21	31	18	21	16	20	13	21
Asian/Pacific Islander	458	482	512	469	486	501	494	555
Black, non-Hispanic	175	191	172	185	147	168	167	160
Hispanic	202	200	142	179	182	182	180	206
White, non-Hispanic	3,429	3,394	3,365	3,124	2,805	2,627	2,417	2,565
Other or unknown	198	223	215	230	233	228	147	183
Students with temporary visas	2,969	2,887	2,864	2,885	3,014	3,330	3,495	3,724
Civil engineering	19,218	18,528	17,193	16,517	16,226	16,451	16,665	17,713
U.S. citizens and permanent residents	13,559	13,263	12,090	11,555	10,801	10,306	10,072	10,553
American Indian/Alaska Native	42	48	58	43	56	39	43	58
Asian/Pacific Islander	1,322	1,254	1,050	1,104	931	744	771	855
Black, non-Hispanic	471	491	443	410	450	448	431	453
Hispanic	593	712	694	723	701	776	747	778
White, non-Hispanic	10,434	9,983	9,208	8,665	8,088	7,759	7,492	7,707
Other or unknown	697	775	637	610	575	540	588	702
Students with temporary visas	5,659	5,265	5,103	4,962	5,425	6,145	6,593	7,160
Electrical engineering	30,861	29,941	30,787	31,384	31,822	33,611	36,100	39,958
U.S. citizens and permanent residents	19,585	18,489	18,032	17,459	16,517	15,315	15,534	16,579
American Indian/Alaska Native	51	50	46	33	47	37	45	39
Asian/Pacific Islander	3,712	3,548	3,489	3,443	3,491	3,119	3,454	4,079
Black, non-Hispanic	821	778	874	874	886	830	812	846
Hispanic	785	793	810	812	769	717	825	941
White, non-Hispanic	12,630	11,759	11,092	10,729	9,897	8,982	8,876	9,121
Other or unknown	1,586	1,561	1,721	1,568	1,427	1,630	1,522	1,553
Students with temporary visas	11,276	11,452	12,755	13,925	15,305	18,296	20,566	23,379

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

TABLE 13. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and 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	13,475	12,675	11,957	11,221	11,803	12,119	12,940	14,033
U.S. citizens and permanent residents	10,123	9,349	8,616	7,869	8,073	7,574	7,607	8,351
American Indian/Alaska Native	24	22	23	34	39	41	43	34
Asian/Pacific Islander	855	750	739	643	784	628	686	911
Black, non-Hispanic	541	535	489	465	541	557	591	616
Hispanic	386	421	396	364	426	439	469	477
White, non-Hispanic	7,262	6,864	6,391	5,764	5,761	5,329	5,255	5,668
Other or unknown	1,055	757	578	599	522	580	563	645
Students with temporary visas	3,352	3,326	3,341	3,352	3,730	4,545	5,333	5,682
Mechanical engineering	16,363	15,509	15,045	14,696	14,956	15,235	15,852	17,115
U.S. citizens and permanent residents	10,905	10,026	9,351	9,046	8,760	8,097	8,183	8,581
American Indian/Alaska Native	44	35	35	25	33	27	32	32
Asian/Pacific Islander	1,225	1,073	947	973	1,008	804	945	912
Black, non-Hispanic	403	417	428	412	375	396	354	358
Hispanic	422	383	360	389	388	366	407	450
White, non-Hispanic	8,059	7,461	6,979	6,657	6,491	6,005	5,932	6,231
Other or unknown	752	657	602	590	465	499	513	598
Students with temporary visas	5,458	5,483	5,694	5,650	6,196	7,138	7,669	8,534
Other engineering	19,832	19,163	18,878	19,127	20,001	19,640	21,023	23,375
U.S. citizens and permanent residents	13,062	12,520	12,129	12,112	12,168	11,693	12,157	13,592
American Indian/Alaska Native	48	48	59	80	51	44	51	60
Asian/Pacific Islander	1,446	1,333	1,396	1,380	1,461	1,478	1,657	2,097
Black, non-Hispanic	446	487	473	475	566	578	560	637
Hispanic	420	427	410	433	458	538	555	609
White, non-Hispanic	10,117	9,628	9,058	9,159	9,021	8,381	8,487	9,236
Other or unknown	585	597	733	585	611	674	847	953
Students with temporary visas	6,770	6,643	6,749	7,015	7,833	7,947	8,866	9,783
Health	77,174	78,898	79,578	80,771	82,074	79,775	80,378	85,365
U.S. citizens and permanent residents	72,793	74,020	74,659	75,681	76,548	74,243	74,129	78,108
American Indian/Alaska Native	340	368	370	429	441	419	453	506
Asian/Pacific Islander	3,459	3,997	4,359	4,889	5,147	5,192	5,451	5,708
Black, non-Hispanic	3,863	3,906	4,219	4,610	4,927	5,094	5,616	6,042
Hispanic	3,125	3,171	3,170	3,278	3,802	4,124	4,355	4,629
White, non-Hispanic	58,581	59,132	58,600	58,783	58,575	55,543	54,353	56,686
Other or unknown	3,425	3,446	3,941	3,692	3,656	3,871	3,901	4,537
Students with temporary visas	4,381	4,878	4,919	5,090	5,526	5,532	6,249	7,257

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