

TABLE 21. Full-time 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	329,283	328,536	327,289	327,389	334,423	341,283	354,522	378,822
U.S. citizens and permanent residents	242,572	241,160	238,582	236,368	236,247	231,070	233,723	248,001
American Indian/Alaska Native	1,254	1,306	1,361	1,339	1,290	1,365	1,413	1,495
Asian/Pacific Islander	19,079	19,496	20,049	20,941	21,643	19,730	20,933	23,211
Black, non-Hispanic	12,503	12,989	13,567	13,782	13,963	15,014	15,307	16,340
Hispanic	11,041	11,306	11,545	11,955	12,810	13,625	14,328	15,577
White, non-Hispanic	187,936	185,735	180,714	177,215	175,601	168,649	168,061	175,852
Other or unknown	10,759	10,328	11,346	11,136	10,940	12,687	13,681	15,526
Students with temporary visas	86,711	87,376	88,707	91,021	98,176	110,213	120,799	130,821
Science and engineering	287,171	284,039	280,669	278,943	283,893	291,355	304,021	325,699
U.S. citizens and permanent residents	204,113	200,674	195,974	191,945	190,076	185,673	188,295	200,861
American Indian/Alaska Native	1,055	1,086	1,123	1,098	1,026	1,102	1,131	1,158
Asian/Pacific Islander	16,769	16,800	17,046	17,563	18,078	16,123	17,173	19,344
Black, non-Hispanic	10,668	10,983	11,401	11,299	11,211	12,079	12,057	12,840
Hispanic	9,080	9,274	9,552	9,895	10,288	10,821	11,381	12,545
White, non-Hispanic	157,464	153,793	147,456	142,733	140,342	134,934	134,994	141,938
Other or unknown	9,077	8,738	9,396	9,357	9,131	10,614	11,559	13,036
Students with temporary visas	83,058	83,365	84,695	86,998	93,817	105,682	115,726	124,838
Sciences	219,389	218,180	214,981	213,508	215,870	219,079	226,573	240,296
U.S. citizens and permanent residents	165,521	164,198	161,097	158,559	157,735	154,545	156,431	165,553
American Indian/Alaska Native	920	946	983	962	905	991	1,002	1,020
Asian/Pacific Islander	11,623	11,985	12,326	12,759	13,090	11,837	12,527	13,714
Black, non-Hispanic	8,977	9,318	9,727	9,721	9,605	10,365	10,401	11,035
Hispanic	7,458	7,617	7,963	8,251	8,672	9,112	9,568	10,552
White, non-Hispanic	129,676	127,619	122,705	119,278	117,928	113,493	113,332	118,452
Other or unknown	6,867	6,713	7,393	7,588	7,535	8,747	9,601	10,780
Students with temporary visas	53,868	53,982	53,884	54,949	58,135	64,534	70,142	74,743
Physical sciences	28,879	27,931	26,882	26,391	26,635	26,492	27,179	28,620
U.S. citizens and permanent residents	18,403	17,632	16,805	16,468	16,300	15,601	15,719	16,275
American Indian/Alaska Native	66	55	58	57	62	65	67	71
Asian/Pacific Islander	1,462	1,422	1,345	1,442	1,400	1,251	1,198	1,148
Black, non-Hispanic	729	769	741	728	700	691	683	697
Hispanic	585	603	648	680	728	682	731	810
White, non-Hispanic	14,807	14,171	13,294	12,855	12,782	12,224	12,185	12,680
Other or unknown	754	612	719	706	628	688	855	869
Students with temporary visas	10,476	10,299	10,077	9,923	10,335	10,891	11,460	12,345
Earth, atmosphere, and ocean science	11,259	10,795	10,510	10,444	10,484	10,558	10,504	11,116
U.S. citizens and permanent residents	8,673	8,399	8,289	8,258	8,268	8,155	8,032	8,579
American Indian/Alaska Native	40	42	46	57	42	46	53	64
Asian/Pacific Islander	317	291	288	304	292	272	266	278
Black, non-Hispanic	135	128	137	134	137	159	140	193
Hispanic	259	259	272	253	304	267	297	334
White, non-Hispanic	7,643	7,422	7,231	7,148	7,163	7,113	6,957	7,313
Other or unknown	279	257	315	362	330	298	319	397
Students with temporary visas	2,586	2,396	2,221	2,186	2,216	2,403	2,472	2,537

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

TABLE 21. Full-time 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	13,410	12,966	12,144	11,751	11,796	11,740	12,467	13,709
U.S. citizens and permanent residents	8,291	7,885	7,262	7,061	6,588	6,345	6,656	7,409
American Indian/Alaska Native	41	31	32	22	20	14	20	10
Asian/Pacific Islander	738	755	693	771	626	590	624	762
Black, non-Hispanic	423	422	386	355	342	349	359	369
Hispanic	234	216	242	260	274	273	300	334
White, non-Hispanic	6,443	6,138	5,572	5,286	4,991	4,722	4,931	5,417
Other or unknown	412	323	337	367	335	397	422	517
Students with temporary visas	5,119	5,081	4,882	4,690	5,208	5,395	5,811	6,300
Computer sciences	16,510	17,195	18,335	19,972	22,687	26,558	30,087	32,860
U.S. citizens and permanent residents	8,627	8,400	8,578	9,042	9,939	9,630	10,234	12,385
American Indian/Alaska Native	23	21	22	47	33	39	42	46
Asian/Pacific Islander	1,646	1,732	1,964	2,299	2,869	2,259	2,399	2,865
Black, non-Hispanic	485	475	494	476	537	608	655	817
Hispanic	257	237	242	266	295	283	304	406
White, non-Hispanic	5,747	5,455	5,232	5,386	5,600	5,679	5,997	6,987
Other or unknown	469	480	624	568	605	762	837	1,264
Students with temporary visas	7,883	8,795	9,757	10,930	12,748	16,928	19,853	20,475
Agricultural sciences	9,835	9,527	9,362	9,199	9,371	9,357	9,405	9,685
U.S. citizens and permanent residents	7,023	6,905	6,951	6,915	7,176	7,259	7,178	7,363
American Indian/Alaska Native	46	37	47	58	51	41	41	58
Asian/Pacific Islander	218	227	244	250	249	196	211	228
Black, non-Hispanic	238	227	233	221	218	244	267	289
Hispanic	223	283	300	293	315	344	306	294
White, non-Hispanic	6,062	5,944	5,862	5,881	6,125	6,118	5,976	6,154
Other or unknown	236	187	265	212	218	316	377	340
Students with temporary visas	2,812	2,622	2,411	2,284	2,195	2,098	2,227	2,322
Biological sciences	48,055	47,454	46,657	46,779	46,946	46,787	48,138	51,573
U.S. citizens and permanent residents	37,013	37,032	36,498	36,384	36,739	35,967	36,668	38,825
American Indian/Alaska Native	160	158	165	160	141	160	176	179
Asian/Pacific Islander	3,755	3,864	3,817	3,811	3,864	3,630	4,080	4,258
Black, non-Hispanic	1,440	1,480	1,669	1,638	1,687	1,718	1,817	1,949
Hispanic	1,477	1,467	1,612	1,656	1,756	1,726	1,892	2,137
White, non-Hispanic	28,980	28,882	27,852	27,592	27,543	26,922	26,820	28,273
Other or unknown	1,201	1,181	1,383	1,527	1,748	1,811	1,883	2,029
Students with temporary visas	11,042	10,422	10,159	10,395	10,207	10,820	11,470	12,748
Psychology	35,222	35,412	35,551	35,148	34,658	34,919	34,487	34,649
U.S. citizens and permanent residents	33,574	33,789	33,881	33,410	32,921	33,059	32,471	32,476
American Indian/Alaska Native	255	270	263	222	220	271	226	220
Asian/Pacific Islander	1,168	1,320	1,438	1,464	1,529	1,569	1,583	1,578
Black, non-Hispanic	2,028	2,084	2,221	2,417	2,200	2,574	2,515	2,468
Hispanic	1,944	2,049	2,096	2,305	2,454	2,941	2,988	3,229
White, non-Hispanic	26,664	26,561	26,281	25,444	24,840	23,869	23,191	23,034
Other or unknown	1,515	1,505	1,582	1,558	1,678	1,835	1,968	1,947
Students with temporary visas	1,648	1,623	1,670	1,738	1,737	1,860	2,016	2,173

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

TABLE 21. Full-time 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	56,219	56,900	55,540	53,824	53,293	52,668	54,306	58,084
U.S. citizens and permanent residents	43,917	44,156	42,833	41,021	39,804	38,529	39,473	42,241
American Indian/Alaska Native	289	332	350	339	336	355	377	372
Asian/Pacific Islander	2,319	2,374	2,537	2,418	2,261	2,070	2,166	2,597
Black, non-Hispanic	3,499	3,733	3,846	3,752	3,784	4,022	3,965	4,253
Hispanic	2,479	2,503	2,551	2,538	2,546	2,596	2,750	3,008
White, non-Hispanic	33,330	33,046	31,381	29,686	28,884	26,846	27,275	28,594
Other or unknown	2,001	2,168	2,168	2,288	1,993	2,640	2,940	3,417
Students with temporary visas	12,302	12,744	12,707	12,803	13,489	14,139	14,833	15,843
Engineering	67,782	65,859	65,688	65,435	68,023	72,276	77,448	85,403
U.S. citizens and permanent residents	38,592	36,476	34,877	33,386	32,341	31,128	31,864	35,308
American Indian/Alaska Native	135	140	140	136	121	111	129	138
Asian/Pacific Islander	5,146	4,815	4,720	4,804	4,988	4,286	4,646	5,630
Black, non-Hispanic	1,691	1,665	1,674	1,578	1,606	1,714	1,656	1,805
Hispanic	1,622	1,657	1,589	1,644	1,616	1,709	1,813	1,993
White, non-Hispanic	27,788	26,174	24,751	23,455	22,414	21,441	21,662	23,486
Other or unknown	2,210	2,025	2,003	1,769	1,596	1,867	1,958	2,256
Students with temporary visas	29,190	29,383	30,811	32,049	35,682	41,148	45,584	50,095
Chemical engineering	5,985	5,939	5,821	5,630	5,593	5,861	5,829	6,279
U.S. citizens and permanent residents	3,314	3,382	3,281	3,059	2,826	2,792	2,630	2,863
American Indian/Alaska Native	18	21	13	16	13	17	9	19
Asian/Pacific Islander	351	378	405	356	384	420	409	427
Black, non-Hispanic	135	145	130	126	101	125	135	135
Hispanic	164	159	115	146	152	145	152	181
White, non-Hispanic	2,540	2,539	2,500	2,306	2,074	1,954	1,844	1,985
Other or unknown	106	140	118	109	102	131	81	116
Students with temporary visas	2,671	2,557	2,540	2,571	2,767	3,069	3,199	3,416
Civil engineering	12,248	11,791	11,406	11,154	11,237	11,754	12,102	12,981
U.S. citizens and permanent residents	7,652	7,509	7,082	6,871	6,492	6,313	6,299	6,703
American Indian/Alaska Native	27	36	41	26	30	21	24	34
Asian/Pacific Islander	760	719	627	721	624	482	518	583
Black, non-Hispanic	261	242	247	230	247	275	261	276
Hispanic	378	452	442	464	457	516	495	474
White, non-Hispanic	5,892	5,706	5,444	5,136	4,839	4,739	4,695	4,937
Other or unknown	334	354	281	294	295	280	306	399
Students with temporary visas	4,596	4,282	4,324	4,283	4,745	5,441	5,803	6,278
Electrical engineering	18,254	18,107	18,999	19,608	20,521	22,962	25,240	28,250
U.S. citizens and permanent residents	9,399	8,758	8,524	8,139	7,595	7,253	7,750	8,654
American Indian/Alaska Native	28	26	25	13	18	19	27	16
Asian/Pacific Islander	1,895	1,831	1,767	1,824	1,908	1,601	1,752	2,242
Black, non-Hispanic	484	445	482	466	452	427	428	458
Hispanic	384	373	388	387	327	328	376	499
White, non-Hispanic	5,877	5,406	5,108	4,875	4,410	4,230	4,471	4,764
Other or unknown	731	677	754	574	480	648	696	675
Students with temporary visas	8,855	9,349	10,475	11,469	12,926	15,709	17,490	19,596

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TABLE 21. Full-time 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	5,389	5,166	5,116	4,894	5,500	6,049	6,534	7,200
U.S. citizens and permanent residents	2,885	2,528	2,443	2,255	2,447	2,324	2,163	2,596
American Indian/Alaska Native	5	8	8	9	15	16	16	8
Asian/Pacific Islander	337	285	324	306	379	258	266	395
Black, non-Hispanic	204	193	189	166	175	231	200	246
Hispanic	147	154	144	125	148	155	171	174
White, non-Hispanic	1,936	1,743	1,651	1,523	1,617	1,497	1,365	1,601
Other or unknown	256	145	127	126	113	167	145	172
Students with temporary visas	2,504	2,638	2,673	2,639	3,053	3,725	4,371	4,604
Mechanical engineering	11,128	10,690	10,432	10,073	10,331	10,795	11,436	12,469
U.S. citizens and permanent residents	6,548	6,024	5,591	5,212	5,007	4,614	4,795	5,150
American Indian/Alaska Native	30	23	22	19	18	12	18	20
Asian/Pacific Islander	804	705	631	626	663	488	609	578
Black, non-Hispanic	285	298	315	285	250	263	247	230
Hispanic	257	237	234	238	231	209	246	270
White, non-Hispanic	4,774	4,438	4,073	3,716	3,613	3,412	3,456	3,755
Other or unknown	398	323	316	328	232	230	219	297
Students with temporary visas	4,580	4,666	4,841	4,861	5,324	6,181	6,641	7,319
Other engineering	14,778	14,166	13,914	14,076	14,841	14,855	16,307	18,224
U.S. citizens and permanent residents	8,794	8,275	7,956	7,850	7,974	7,832	8,227	9,342
American Indian/Alaska Native	27	26	31	53	27	26	35	41
Asian/Pacific Islander	999	897	966	971	1,030	1,037	1,092	1,405
Black, non-Hispanic	322	342	311	305	381	393	385	460
Hispanic	292	282	266	284	301	356	373	395
White, non-Hispanic	6,769	6,342	5,975	5,899	5,861	5,609	5,831	6,444
Other or unknown	385	386	407	338	374	411	511	597
Students with temporary visas	5,984	5,891	5,958	6,226	6,867	7,023	8,080	8,882
Health	42,112	44,497	46,620	48,446	50,530	49,928	50,501	53,123
U.S. citizens and permanent residents	38,459	40,486	42,608	44,423	46,171	45,397	45,428	47,140
American Indian/Alaska Native	199	220	238	241	264	263	282	337
Asian/Pacific Islander	2,310	2,696	3,003	3,378	3,565	3,607	3,760	3,867
Black, non-Hispanic	1,835	2,006	2,166	2,483	2,752	2,935	3,250	3,500
Hispanic	1,961	2,032	1,993	2,060	2,522	2,804	2,947	3,032
White, non-Hispanic	30,472	31,942	33,258	34,482	35,259	33,715	33,067	33,914
Other or unknown	1,682	1,590	1,950	1,779	1,809	2,073	2,122	2,490
Students with temporary visas	3,653	4,011	4,012	4,023	4,359	4,531	5,073	5,983

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