

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All surveyed fields	224,608	230,581	231,202	238,463	253,356	268,476	278,090	287,679
U.S. citizens and permanent residents	191,972	194,675	191,317	194,324	205,109	218,515	228,092	238,107
American Indian/Alaska Native	1,145	1,144	1,178	1,207	1,309	1,382	1,404	1,604
Asian/Pacific Islander	14,051	14,967	14,171	15,108	16,588	18,291	19,008	19,682
Black, non-Hispanic	15,016	15,672	16,639	17,639	18,697	20,484	21,425	22,547
Hispanic	10,009	11,144	11,975	12,681	13,958	15,229	16,144	17,146
White, non-Hispanic	141,158	140,937	135,600	135,621	141,248	148,187	152,769	156,133
Other or unknown	10,593	10,811	11,754	12,068	13,309	14,942	17,342	20,995
Temporary-visa holders	32,636	35,906	39,885	44,139	48,247	49,961	49,998	49,572
Science and engineering	163,427	168,396	170,479	177,430	188,628	198,434	202,082	206,663
U.S. citizens and permanent residents	133,389	135,431	133,688	136,696	144,260	152,431	156,068	161,178
American Indian/Alaska Native	810	809	868	875	924	989	1,010	1,165
Asian/Pacific Islander	10,830	11,524	10,654	11,395	12,667	13,859	13,802	13,956
Black, non-Hispanic	11,331	11,708	12,536	13,076	13,763	14,718	14,885	15,693
Hispanic	7,645	8,324	8,935	9,460	10,446	11,061	11,675	12,532
White, non-Hispanic	94,933	94,940	91,787	92,768	96,538	100,572	102,024	102,827
Other or unknown	7,840	8,126	8,908	9,122	9,922	11,232	12,672	15,005
Temporary-visa holders	30,038	32,965	36,791	40,734	44,368	46,003	46,014	45,485
Science	144,439	148,509	149,733	155,173	163,661	170,847	174,810	179,785
U.S. citizens and permanent residents	121,008	123,050	121,633	124,269	130,455	136,985	140,810	145,875
American Indian/Alaska Native	747	742	798	810	855	904	932	990
Asian/Pacific Islander	8,996	9,515	8,870	9,324	10,011	10,743	10,832	11,037
Black, non-Hispanic	10,452	10,732	11,509	12,095	12,701	13,677	13,756	14,593
Hispanic	6,958	7,622	8,197	8,618	9,485	10,004	10,576	11,435
White, non-Hispanic	86,767	87,076	84,161	85,167	88,479	91,680	93,166	94,146
Other or unknown	7,088	7,363	8,098	8,255	8,924	9,977	11,548	13,674
Temporary-visa holders	23,431	25,459	28,100	30,904	33,206	33,862	34,000	33,910
Agricultural sciences	4,852	5,049	5,088	5,343	5,653	6,026	6,258	6,202
U.S. citizens and permanent residents	4,006	4,194	4,241	4,406	4,641	4,988	5,167	5,115
American Indian/Alaska Native	26	23	22	23	40	39	47	45
Asian/Pacific Islander	155	167	138	147	150	165	193	161
Black, non-Hispanic	176	151	153	201	213	266	241	245
Hispanic	180	213	217	215	209	239	257	263
White, non-Hispanic	3,334	3,527	3,526	3,600	3,816	4,061	4,191	4,146
Other or unknown	135	113	185	220	213	218	238	255
Temporary-visa holders	846	855	847	937	1,012	1,038	1,091	1,087
Biological sciences	28,953	29,621	29,807	31,049	33,411	35,883	37,278	38,503
U.S. citizens and permanent residents	23,503	24,180	23,964	24,669	26,258	27,976	28,756	29,621
American Indian/Alaska Native	103	106	110	110	123	147	157	164
Asian/Pacific Islander	2,350	2,377	2,253	2,539	2,646	2,894	3,040	3,146
Black, non-Hispanic	1,377	1,457	1,481	1,559	1,667	1,899	2,029	2,058
Hispanic	1,129	1,217	1,220	1,329	1,465	1,612	1,746	1,827
White, non-Hispanic	17,454	17,808	17,677	17,846	18,968	19,749	20,027	20,420
Other or unknown	1,090	1,215	1,223	1,286	1,389	1,675	1,757	2,006
Temporary-visa holders	5,450	5,441	5,843	6,380	7,153	7,907	8,522	8,882
Computer sciences	10,802	12,545	14,080	15,302	16,025	14,816	13,277	12,061
U.S. citizens and permanent residents	6,577	7,412	7,406	7,643	8,206	8,051	7,374	6,814
American Indian/Alaska Native	24	24	30	29	31	36	30	33
Asian/Pacific Islander	1,920	2,318	2,009	1,987	2,143	1,973	1,660	1,430
Black, non-Hispanic	591	670	668	766	835	823	707	712
Hispanic	195	212	246	244	271	286	285	273
White, non-Hispanic	3,198	3,521	3,629	3,778	3,962	4,039	3,854	3,627
Other or unknown	649	667	824	839	964	894	838	739
Temporary-visa holders	4,225	5,133	6,674	7,659	7,819	6,765	5,903	5,247

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Earth, atmospheric, and ocean sciences	5,568	5,725	5,753	5,892	6,247	6,538	6,932	6,888
U.S. citizens and permanent residents	4,805	4,868	4,857	4,911	5,235	5,496	5,857	5,797
American Indian/Alaska Native	40	31	28	33	36	33	27	31
Asian/Pacific Islander	186	192	172	170	197	200	229	218
Black, non-Hispanic	99	101	100	102	131	140	141	152
Hispanic	168	200	169	201	222	261	302	281
White, non-Hispanic	4,065	4,134	4,200	4,211	4,410	4,541	4,822	4,794
Other or unknown	247	210	188	194	239	321	336	321
Temporary-visa holders	763	857	896	981	1,012	1,042	1,075	1,091
Mathematical sciences	5,988	6,043	5,780	6,270	6,886	7,289	7,497	7,437
U.S. citizens and permanent residents	4,205	3,982	3,661	3,927	4,379	4,533	4,808	4,759
American Indian/Alaska Native	18	18	10	16	6	7	13	15
Asian/Pacific Islander	470	437	417	433	531	625	600	632
Black, non-Hispanic	274	270	273	270	286	282	331	350
Hispanic	178	177	150	160	207	223	230	215
White, non-Hispanic	3,040	2,861	2,601	2,799	3,046	3,061	3,294	3,177
Other or unknown	225	219	210	249	303	335	340	370
Temporary-visa holders	1,783	2,061	2,119	2,343	2,507	2,756	2,689	2,678
Physical sciences	8,753	8,915	9,115	9,336	10,066	10,778	11,300	11,726
U.S. citizens and permanent residents	5,833	5,862	5,832	5,859	6,178	6,523	6,782	7,147
American Indian/Alaska Native	23	29	21	27	28	25	28	34
Asian/Pacific Islander	610	636	573	542	531	649	683	704
Black, non-Hispanic	432	402	425	413	407	431	454	482
Hispanic	307	346	337	357	376	416	489	489
White, non-Hispanic	4,170	4,165	4,167	4,164	4,497	4,592	4,718	5,017
Other or unknown	291	284	309	356	339	410	410	421
Temporary-visa holders	2,920	3,053	3,283	3,477	3,888	4,255	4,518	4,579
Psychology	37,462	37,271	36,872	37,318	37,728	38,816	40,226	43,419
U.S. citizens and permanent residents	36,074	35,822	35,361	35,574	35,963	36,859	38,302	41,294
American Indian/Alaska Native	224	212	257	251	237	229	235	243
Asian/Pacific Islander	1,468	1,502	1,531	1,628	1,633	1,800	1,885	2,004
Black, non-Hispanic	2,926	2,844	3,343	3,479	3,545	3,758	3,757	4,298
Hispanic	2,347	2,610	3,106	3,261	3,527	3,549	3,668	3,941
White, non-Hispanic	26,707	26,072	24,442	24,553	24,655	24,900	25,083	25,714
Other or unknown	2,402	2,582	2,682	2,402	2,366	2,623	3,674	5,094
Temporary-visa holders	1,388	1,449	1,511	1,744	1,765	1,957	1,924	2,125
Social sciences	42,061	43,340	43,238	44,663	47,645	50,701	52,042	53,549
U.S. citizens and permanent residents	36,005	36,730	36,311	37,280	39,595	42,559	43,764	45,328
American Indian/Alaska Native	289	299	320	321	354	388	395	425
Asian/Pacific Islander	1,837	1,886	1,777	1,878	2,180	2,437	2,542	2,742
Black, non-Hispanic	4,577	4,837	5,066	5,305	5,617	6,078	6,096	6,296
Hispanic	2,454	2,647	2,752	2,851	3,208	3,418	3,599	4,146
White, non-Hispanic	24,799	24,988	23,919	24,216	25,125	26,737	27,177	27,251
Other or unknown	2,049	2,073	2,477	2,709	3,111	3,501	3,955	4,468
Temporary-visa holders	6,056	6,610	6,927	7,383	8,050	8,142	8,278	8,221
Engineering	18,988	19,887	20,746	22,257	24,967	27,587	27,272	26,878
U.S. citizens and permanent residents	12,381	12,381	12,055	12,427	13,805	15,446	15,258	15,303
American Indian/Alaska Native	63	67	70	65	69	85	78	175
Asian/Pacific Islander	1,834	2,009	1,784	2,071	2,656	3,116	2,970	2,919
Black, non-Hispanic	879	976	1,027	981	1,062	1,041	1,129	1,100
Hispanic	687	702	738	842	961	1,057	1,099	1,097
White, non-Hispanic	8,166	7,864	7,626	7,601	8,059	8,892	8,858	8,681
Other or unknown	752	763	810	867	998	1,255	1,124	1,331
Temporary-visa holders	6,607	7,506	8,691	9,830	11,162	12,141	12,014	11,575

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Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Chemical engineering	1,727	1,733	1,875	1,829	1,995	2,100	2,106	2,079
U.S. citizens and permanent residents	1,059	1,020	1,054	985	1,086	1,094	1,128	1,114
American Indian/Alaska Native	8	5	11	8	8	6	13	7
Asian/Pacific Islander	148	176	165	160	204	205	183	211
Black, non-Hispanic	80	79	79	89	81	78	74	60
Hispanic	65	54	69	72	84	106	117	110
White, non-Hispanic	704	643	663	610	653	635	676	664
Other or unknown	54	63	67	46	56	64	65	62
Temporary-visa holders	668	713	821	844	909	1,006	978	965
Civil engineering	4,102	4,157	4,277	4,503	4,905	5,398	5,441	5,395
U.S. citizens and permanent residents	3,046	2,955	2,909	2,957	3,209	3,552	3,562	3,598
American Indian/Alaska Native	12	13	10	14	18	23	16	14
Asian/Pacific Islander	313	316	238	279	298	366	375	400
Black, non-Hispanic	133	173	178	158	182	155	162	161
Hispanic	219	203	236	239	274	282	282	293
White, non-Hispanic	2,206	2,098	2,118	2,111	2,228	2,499	2,498	2,467
Other or unknown	163	152	129	156	209	227	229	263
Temporary-visa holders	1,056	1,202	1,368	1,546	1,696	1,846	1,879	1,797
Electrical engineering	4,872	5,133	5,536	6,212	7,270	7,794	7,201	6,788
U.S. citizens and permanent residents	2,518	2,389	2,246	2,380	2,668	2,962	2,588	2,557
American Indian/Alaska Native	8	11	11	6	12	14	11	7
Asian/Pacific Islander	709	704	662	728	972	1,164	980	938
Black, non-Hispanic	194	200	201	192	201	183	194	189
Hispanic	120	138	99	142	175	204	184	208
White, non-Hispanic	1,234	1,099	981	1,011	1,028	1,036	968	907
Other or unknown	253	237	292	301	280	361	251	308
Temporary-visa holders	2,354	2,744	3,290	3,832	4,602	4,832	4,613	4,231
Industrial engineering	2,452	2,659	2,713	2,808	3,076	3,266	3,230	3,287
U.S. citizens and permanent residents	1,869	2,003	1,896	1,890	2,114	2,261	2,238	2,230
American Indian/Alaska Native	11	16	14	13	7	15	11	16
Asian/Pacific Islander	156	198	164	194	267	285	278	299
Black, non-Hispanic	208	232	247	242	264	266	273	282
Hispanic	117	135	141	167	175	179	211	187
White, non-Hispanic	1,272	1,315	1,211	1,162	1,249	1,323	1,261	1,212
Other or unknown	105	107	119	112	152	193	204	234
Temporary-visa holders	583	656	817	918	962	1,005	992	1,057
Mechanical engineering	1,762	1,788	1,832	1,944	2,083	2,354	2,456	2,410
U.S. citizens and permanent residents	1,153	1,141	1,051	1,117	1,164	1,366	1,437	1,408
American Indian/Alaska Native	5	8	9	9	9	7	6	7
Asian/Pacific Islander	138	179	130	168	169	174	197	212
Black, non-Hispanic	104	88	104	81	79	86	91	90
Hispanic	57	52	49	65	83	96	114	108
White, non-Hispanic	791	749	687	728	743	904	924	862
Other or unknown	58	65	72	66	81	99	105	129
Temporary-visa holders	609	647	781	827	919	988	1,019	1,002
Other engineering	4,073	4,417	4,513	4,961	5,638	6,675	6,838	6,919
U.S. citizens and permanent residents	2,736	2,873	2,899	3,098	3,564	4,211	4,305	4,396
American Indian/Alaska Native	19	14	15	15	15	20	21	124
Asian/Pacific Islander	370	436	425	542	746	922	957	859
Black, non-Hispanic	160	204	218	219	255	273	335	318
Hispanic	109	120	144	157	170	190	191	191
White, non-Hispanic	1,959	1,960	1,966	1,979	2,158	2,495	2,531	2,569
Other or unknown	119	139	131	186	220	311	270	335
Temporary-visa holders	1,337	1,544	1,614	1,863	2,074	2,464	2,533	2,523

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Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Health fields	61,181	62,185	60,723	61,033	64,728	70,042	76,008	81,016
U.S. citizens and permanent residents	58,583	59,244	57,629	57,628	60,849	66,084	72,024	76,929
American Indian/Alaska Native	335	335	310	332	385	393	394	439
Asian/Pacific Islander	3,221	3,443	3,517	3,713	3,921	4,432	5,206	5,726
Black, non-Hispanic	3,685	3,964	4,103	4,563	4,934	5,766	6,540	6,854
Hispanic	2,364	2,820	3,040	3,221	3,512	4,168	4,469	4,614
White, non-Hispanic	46,225	45,997	43,813	42,853	44,710	47,615	50,745	53,306
Other or unknown	2,753	2,685	2,846	2,946	3,387	3,710	4,670	5,990
Temporary-visa holders	2,598	2,941	3,094	3,405	3,879	3,958	3,984	4,087

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