

TABLE 15. 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: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	222,711	224,608	230,581	231,202	238,463	253,355	268,447	277,400
U.S. citizens and permanent residents	191,997	191,972	194,675	191,317	194,324	205,108	218,487	227,560
American Indian/Alaska Native	1,079	1,145	1,144	1,178	1,207	1,309	1,382	1,419
Asian/Pacific Islander	13,253	14,051	14,967	14,171	15,108	16,598	18,290	19,092
Black, non-Hispanic	14,445	15,016	15,672	16,639	17,639	18,697	20,484	21,355
Hispanic	9,595	10,009	11,144	11,975	12,681	13,959	15,228	16,158
White, non-Hispanic	142,900	141,158	140,937	135,600	135,621	141,238	148,163	152,261
Other or unknown	10,725	10,593	10,811	11,754	12,068	13,307	14,940	17,275
Temporary-visa holders	30,714	32,636	35,906	39,885	44,139	48,247	49,960	49,840
Science and engineering	162,011	163,427	168,396	170,479	177,430	188,644	198,434	202,020
U.S. citizens and permanent residents	133,734	133,389	135,431	133,688	136,696	144,276	152,431	156,118
American Indian/Alaska Native	795	810	809	868	875	924	989	1,008
Asian/Pacific Islander	10,330	10,830	11,524	10,654	11,395	12,677	13,859	13,962
Black, non-Hispanic	11,012	11,331	11,708	12,536	13,076	13,763	14,718	14,883
Hispanic	7,289	7,645	8,324	8,935	9,460	10,448	11,061	11,706
White, non-Hispanic	96,515	94,933	94,940	91,787	92,768	96,542	100,572	101,961
Other or unknown	7,793	7,840	8,126	8,908	9,122	9,922	11,232	12,598
Temporary-visa holders	28,277	30,038	32,965	36,791	40,734	44,368	46,003	45,902
Science	143,291	144,439	148,509	149,733	155,173	163,677	170,847	174,702
U.S. citizens and permanent residents	121,203	121,008	123,050	121,633	124,269	130,471	136,985	140,742
American Indian/Alaska Native	736	747	742	798	810	855	904	930
Asian/Pacific Islander	8,548	8,996	9,515	8,870	9,324	10,021	10,743	10,887
Black, non-Hispanic	10,096	10,452	10,732	11,509	12,095	12,701	13,677	13,752
Hispanic	6,650	6,958	7,622	8,197	8,618	9,487	10,004	10,601
White, non-Hispanic	88,244	86,767	87,076	84,161	85,167	88,483	91,680	93,089
Other or unknown	6,929	7,088	7,363	8,098	8,255	8,924	9,977	11,483
Temporary-visa holders	22,088	23,431	25,459	28,100	30,904	33,206	33,862	33,960
Agricultural sciences	4,706	4,852	5,049	5,088	5,343	5,653	6,026	6,258
U.S. citizens and permanent residents	3,871	4,006	4,194	4,241	4,406	4,641	4,988	5,171
American Indian/Alaska Native	28	26	23	22	23	40	39	47
Asian/Pacific Islander	141	155	167	138	147	150	165	196
Black, non-Hispanic	160	176	151	153	201	213	266	241
Hispanic	163	180	213	217	215	209	239	258
White, non-Hispanic	3,219	3,334	3,527	3,526	3,600	3,816	4,061	4,191
Other or unknown	160	135	113	185	220	213	218	238
Temporary-visa holders	835	846	855	847	937	1,012	1,038	1,087
Biological sciences	28,476	28,953	29,621	29,807	31,049	33,427	35,883	37,249
U.S. citizens and permanent residents	23,353	23,503	24,180	23,964	24,669	26,274	27,976	28,791
American Indian/Alaska Native	106	103	106	110	110	123	147	157
Asian/Pacific Islander	2,317	2,350	2,377	2,253	2,539	2,656	2,894	3,074
Black, non-Hispanic	1,352	1,377	1,457	1,481	1,559	1,667	1,899	2,025
Hispanic	1,090	1,129	1,217	1,220	1,329	1,467	1,612	1,769
White, non-Hispanic	17,446	17,454	17,808	17,677	17,846	18,972	19,749	20,007
Other or unknown	1,042	1,090	1,215	1,223	1,286	1,389	1,675	1,759
Temporary-visa holders	5,123	5,450	5,441	5,843	6,380	7,153	7,907	8,458
Computer sciences	9,881	10,802	12,545	14,080	15,302	16,025	14,816	13,366
U.S. citizens and permanent residents	6,198	6,577	7,412	7,406	7,643	8,206	8,051	7,447
American Indian/Alaska Native	17	24	24	30	29	31	36	30
Asian/Pacific Islander	1,648	1,920	2,318	2,009	1,987	2,143	1,973	1,682
Black, non-Hispanic	535	591	670	668	766	835	823	714
Hispanic	210	195	212	246	244	271	286	293
White, non-Hispanic	3,143	3,198	3,521	3,629	3,778	3,962	4,039	3,876
Other or unknown	645	649	667	824	839	964	894	852
Temporary-visa holders	3,683	4,225	5,133	6,674	7,659	7,819	6,765	5,919

TABLE 15. 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: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Earth, atmospheric, and ocean sciences	5,416	5,568	5,725	5,753	5,892	6,247	6,538	6,928
U.S. citizens and permanent residents	4,697	4,805	4,868	4,857	4,911	5,235	5,496	5,854
American Indian/Alaska Native	35	40	31	28	33	36	33	27
Asian/Pacific Islander	164	186	192	172	170	197	200	229
Black, non-Hispanic	98	99	101	100	102	131	140	141
Hispanic	163	168	200	169	201	222	261	302
White, non-Hispanic	4,039	4,065	4,134	4,200	4,211	4,410	4,541	4,819
Other or unknown	198	247	210	188	194	239	321	336
Temporary-visa holders	719	763	857	896	981	1,012	1,042	1,074
Mathematical sciences	5,868	5,988	6,043	5,780	6,270	6,886	7,289	7,486
U.S. citizens and permanent residents	4,169	4,205	3,982	3,661	3,927	4,379	4,533	4,788
American Indian/Alaska Native	14	18	18	10	16	6	7	13
Asian/Pacific Islander	429	470	437	417	433	531	625	596
Black, non-Hispanic	310	274	270	273	270	286	282	328
Hispanic	173	178	177	150	160	207	223	227
White, non-Hispanic	3,035	3,040	2,861	2,601	2,799	3,046	3,061	3,285
Other or unknown	208	225	219	210	249	303	335	339
Temporary-visa holders	1,699	1,783	2,061	2,119	2,343	2,507	2,756	2,698
Physical sciences	8,848	8,753	8,915	9,115	9,336	10,066	10,778	11,298
U.S. citizens and permanent residents	5,837	5,833	5,862	5,832	5,859	6,178	6,523	6,790
American Indian/Alaska Native	24	23	29	21	27	28	25	28
Asian/Pacific Islander	594	610	636	573	542	531	649	692
Black, non-Hispanic	444	432	402	425	413	407	431	454
Hispanic	283	307	346	337	357	376	416	489
White, non-Hispanic	4,180	4,170	4,165	4,167	4,164	4,497	4,592	4,716
Other or unknown	312	291	284	309	356	339	410	411
Temporary-visa holders	3,011	2,920	3,053	3,283	3,477	3,888	4,255	4,508
Psychology	37,619	37,462	37,271	36,872	37,318	37,728	38,816	40,092
U.S. citizens and permanent residents	36,361	36,074	35,822	35,361	35,574	35,963	36,859	38,172
American Indian/Alaska Native	223	224	212	257	251	237	229	234
Asian/Pacific Islander	1,399	1,468	1,502	1,531	1,628	1,633	1,800	1,883
Black, non-Hispanic	2,736	2,926	2,844	3,343	3,479	3,545	3,758	3,751
Hispanic	2,215	2,347	2,610	3,106	3,261	3,527	3,549	3,645
White, non-Hispanic	27,408	26,707	26,072	24,442	24,553	24,655	24,900	25,066
Other or unknown	2,380	2,402	2,582	2,682	2,402	2,366	2,623	3,593
Temporary-visa holders	1,258	1,388	1,449	1,511	1,744	1,765	1,957	1,920
Social sciences	42,477	42,061	43,340	43,238	44,663	47,645	50,701	52,025
U.S. citizens and permanent residents	36,717	36,005	36,730	36,311	37,280	39,595	42,559	43,729
American Indian/Alaska Native	289	289	299	320	321	354	388	394
Asian/Pacific Islander	1,856	1,837	1,886	1,777	1,878	2,180	2,437	2,535
Black, non-Hispanic	4,461	4,577	4,837	5,066	5,305	5,617	6,078	6,098
Hispanic	2,353	2,454	2,647	2,752	2,851	3,208	3,418	3,618
White, non-Hispanic	25,774	24,799	24,988	23,919	24,216	25,125	26,737	27,129
Other or unknown	1,984	2,049	2,073	2,477	2,709	3,111	3,501	3,955
Temporary-visa holders	5,760	6,056	6,610	6,927	7,383	8,050	8,142	8,296
Engineering	18,720	18,988	19,887	20,746	22,257	24,967	27,587	27,318
U.S. citizens and permanent residents	12,531	12,381	12,381	12,055	12,427	13,805	15,446	15,376
American Indian/Alaska Native	59	63	67	70	65	69	85	78
Asian/Pacific Islander	1,782	1,834	2,009	1,784	2,071	2,656	3,116	3,075
Black, non-Hispanic	916	879	976	1,027	981	1,062	1,041	1,131
Hispanic	639	687	702	738	842	961	1,057	1,105
White, non-Hispanic	8,271	8,166	7,864	7,626	7,601	8,059	8,892	8,872
Other or unknown	864	752	763	810	867	998	1,255	1,115
Temporary-visa holders	6,189	6,607	7,506	8,691	9,830	11,162	12,141	11,942

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Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Chemical engineering	1,720	1,727	1,733	1,875	1,829	1,995	2,100	2,106
U.S. citizens and permanent residents	1,076	1,059	1,020	1,054	985	1,086	1,094	1,139
American Indian/Alaska Native	8	8	5	11	8	8	6	13
Asian/Pacific Islander	151	148	176	165	160	204	205	194
Black, non-Hispanic	87	80	79	79	89	81	78	74
Hispanic	37	65	54	69	72	84	106	117
White, non-Hispanic	742	704	643	663	610	653	635	676
Other or unknown	51	54	63	67	46	56	64	65
Temporary-visa holders	644	668	713	821	844	909	1,006	967
Civil engineering	4,164	4,102	4,157	4,277	4,503	4,905	5,398	5,454
U.S. citizens and permanent residents	3,115	3,046	2,955	2,909	2,957	3,209	3,552	3,576
American Indian/Alaska Native	17	12	13	10	14	18	23	16
Asian/Pacific Islander	290	313	316	238	279	298	366	381
Black, non-Hispanic	144	133	173	178	158	182	155	160
Hispanic	206	219	203	236	239	274	282	283
White, non-Hispanic	2,312	2,206	2,098	2,118	2,111	2,228	2,499	2,504
Other or unknown	146	163	152	129	156	209	227	232
Temporary-visa holders	1,049	1,056	1,202	1,368	1,546	1,696	1,846	1,878
Electrical engineering	4,550	4,872	5,133	5,536	6,212	7,270	7,794	7,201
U.S. citizens and permanent residents	2,497	2,518	2,389	2,246	2,380	2,668	2,962	2,652
American Indian/Alaska Native	7	8	11	11	6	12	14	11
Asian/Pacific Islander	692	709	704	662	728	972	1,164	1,035
Black, non-Hispanic	194	194	200	201	192	201	183	195
Hispanic	121	120	138	99	142	175	204	184
White, non-Hispanic	1,166	1,234	1,099	981	1,011	1,028	1,036	968
Other or unknown	317	253	237	292	301	280	361	259
Temporary-visa holders	2,053	2,354	2,744	3,290	3,832	4,602	4,832	4,549
Industrial engineering	2,656	2,452	2,659	2,713	2,808	3,076	3,266	3,229
U.S. citizens and permanent residents	2,079	1,869	2,003	1,896	1,890	2,114	2,261	2,224
American Indian/Alaska Native	6	11	16	14	13	7	15	11
Asian/Pacific Islander	176	156	198	164	194	267	285	277
Black, non-Hispanic	219	208	232	247	242	264	266	273
Hispanic	115	117	135	141	167	175	179	211
White, non-Hispanic	1,438	1,272	1,315	1,211	1,162	1,249	1,323	1,261
Other or unknown	125	105	107	119	112	152	193	191
Temporary-visa holders	577	583	656	817	918	962	1,005	1,005
Mechanical engineering	1,779	1,762	1,788	1,832	1,944	2,083	2,354	2,477
U.S. citizens and permanent residents	1,166	1,153	1,141	1,051	1,117	1,164	1,366	1,441
American Indian/Alaska Native	8	5	8	9	9	9	7	6
Asian/Pacific Islander	143	138	179	130	168	169	174	199
Black, non-Hispanic	104	104	88	104	81	79	86	91
Hispanic	62	57	52	49	65	83	96	118
White, non-Hispanic	762	791	749	687	728	743	904	928
Other or unknown	87	58	65	72	66	81	99	99
Temporary-visa holders	613	609	647	781	827	919	988	1,036
Other engineering	3,851	4,073	4,417	4,513	4,961	5,638	6,675	6,851
U.S. citizens and permanent residents	2,598	2,736	2,873	2,899	3,098	3,564	4,211	4,344
American Indian/Alaska Native	13	19	14	15	15	15	20	21
Asian/Pacific Islander	330	370	436	425	542	746	922	989
Black, non-Hispanic	168	160	204	218	219	255	273	338
Hispanic	98	109	120	144	157	170	190	192
White, non-Hispanic	1,851	1,959	1,960	1,966	1,979	2,158	2,495	2,535
Other or unknown	138	119	139	131	186	220	311	269
Temporary-visa holders	1,253	1,337	1,544	1,614	1,863	2,074	2,464	2,507

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Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Health fields	60,700	61,181	62,185	60,723	61,033	64,711	70,013	75,380
U.S. citizens and permanent residents	58,263	58,583	59,244	57,629	57,628	60,832	66,056	71,442
American Indian/Alaska Native	284	335	335	310	332	385	393	411
Asian/Pacific Islander	2,923	3,221	3,443	3,517	3,713	3,921	4,431	5,130
Black, non-Hispanic	3,433	3,685	3,964	4,103	4,563	4,934	5,766	6,472
Hispanic	2,306	2,364	2,820	3,040	3,221	3,511	4,167	4,452
White, non-Hispanic	46,385	46,225	45,997	43,813	42,853	44,696	47,591	50,300
Other or unknown	2,932	2,753	2,685	2,846	2,946	3,385	3,708	4,677
Temporary-visa holders	2,437	2,598	2,941	3,094	3,405	3,879	3,957	3,938

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