

TABLE 29. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2004

Field	Total	U.S. citizens and permanent residents						Temporary-visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
All surveyed fields	277,400	1,419	19,092	21,355	16,158	152,261	17,275	49,840
Science and engineering	202,020	1,008	13,962	14,883	11,706	101,961	12,598	45,902
Science	174,702	930	10,887	13,752	10,601	93,089	11,483	33,960
Agricultural sciences	6,258	47	196	241	258	4,191	238	1,087
Biological sciences	37,249	157	3,074	2,025	1,769	20,007	1,759	8,458
Anatomy	480	2	57	34	22	259	17	89
Biochemistry	2,643	7	216	97	108	1,177	95	943
Biology	8,605	32	527	535	508	4,969	516	1,518
Biometry/epidemiology	2,867	13	343	193	119	1,406	95	698
Biophysics	434	3	50	10	9	210	14	138
Botany	974	6	61	12	41	506	43	305
Cell biology	3,095	12	333	123	130	1,425	163	909
Ecology	1,192	9	29	19	39	881	85	130
Entomology/parasitology	565	3	17	9	20	387	12	117
Genetics	1,283	10	90	53	34	725	63	308
Microbiology/immunology/virology	3,053	9	277	161	173	1,585	132	716
Nutrition	3,680	7	279	244	191	2,079	150	730
Pathology	911	5	110	43	28	534	30	161
Pharmacology	1,694	11	167	125	76	819	46	450
Physiology	1,248	9	189	69	53	608	48	272
Zoology	640	4	25	7	14	485	17	88
Biosciences, nec	3,885	15	304	291	204	1,952	233	886
Computer sciences	13,366	30	1,682	714	293	3,876	852	5,919
Earth, atmospheric, and ocean sciences	6,928	27	229	141	302	4,819	336	1,074
Atmospheric sciences	363	0	24	14	12	204	6	103
Geosciences	3,055	11	79	43	111	2,169	141	501
Oceanography	1,509	9	42	22	91	1,072	55	218
Earth/atmospheric/ocean sciences, nec	2,001	7	84	62	88	1,374	134	252
Mathematical sciences	7,486	13	596	328	227	3,285	339	2,698
Mathematics/applied mathematics	5,585	13	435	277	200	2,765	284	1,611
Statistics	1,901	0	161	51	27	520	55	1,087
Physical sciences	11,298	28	692	454	489	4,716	411	4,508
Astronomy	355	2	15	6	13	206	16	97
Chemistry	8,232	20	545	380	396	3,403	279	3,209
Physics	2,499	5	121	57	71	979	90	1,176
Physical sciences, nec	212	1	11	11	9	128	26	26
Psychology	40,092	234	1,883	3,751	3,645	25,066	3,593	1,920
Clinical psychology	10,547	61	562	724	1,370	6,562	938	330
Psychology, general	11,107	79	576	1,184	751	7,173	696	648
Psychology, nec	18,438	94	745	1,843	1,524	11,331	1,959	942
Social sciences	52,025	394	2,535	6,098	3,618	27,129	3,955	8,296
Agricultural economics	854	15	29	28	23	353	29	377
Anthropology (cultural/social)	4,968	66	205	216	294	3,326	372	489
Economics (except agricultural)	4,473	17	282	157	122	1,278	157	2,460
Geography	2,007	11	78	85	65	1,333	100	335
History and philosophy of science	414	3	20	10	26	295	35	25
Linguistics	1,923	9	127	31	85	889	125	657
Political science	20,960	137	1,015	3,247	1,780	10,414	1,997	2,370
Sociology	5,807	31	266	750	375	3,343	292	750
Sociology/anthropology	547	8	7	95	43	319	19	56
Social sciences, nec	10,072	97	506	1,479	805	5,579	829	777

TABLE 29. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2004

Field	Total	U.S. citizens and permanent residents						Temporary-visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
Engineering	27,318	78	3,075	1,131	1,105	8,872	1,115	11,942
Aerospace engineering	600	3	51	14	22	256	31	223
Agricultural engineering	295	0	16	13	4	131	6	125
Biomedical engineering	2,213	5	341	117	65	885	73	727
Chemical engineering	2,106	13	194	74	117	676	65	967
Civil engineering	5,454	16	381	160	283	2,504	232	1,878
Electrical engineering	7,201	11	1,035	195	184	968	259	4,549
Engineering science	465	5	43	12	6	173	15	211
Industrial engineering	3,229	11	277	273	211	1,261	191	1,005
Mechanical engineering	2,477	6	199	91	118	928	99	1,036
Metallurgical/materials engineering	1,320	0	96	48	31	488	26	631
Mining engineering	42	0	1	0	5	25	2	9
Nuclear engineering	196	0	14	12	7	84	6	73
Petroleum engineering	134	0	7	4	6	14	2	101
Engineering, nec	1,586	8	420	118	46	479	108	407
Health	75,380	411	5,130	6,472	4,452	50,300	4,677	3,938
Medical fields	13,420	69	1,395	1,416	1,172	7,293	737	1,338
Anesthesiology	741	1	31	36	11	571	84	7
Cardiology	18	0	1	4	0	3	7	3
Endocrinology	39	0	6	1	0	20	1	11
Gastroenterology	9	0	1	0	0	8	0	0
Hematology	16	0	3	1	1	10	0	1
Neurology	1,331	9	117	44	54	777	63	267
Obstetrics/gynecology	10	0	0	1	1	5	1	2
Oncology/cancer research	157	1	22	11	7	89	4	23
Ophthalmology	275	1	127	5	8	106	17	11
Otorhinolaryngology	1	0	1	0	0	0	0	0
Pediatrics	363	4	27	30	12	251	11	28
Preventive medicine/community health	8,572	49	865	1,130	826	4,447	420	835
Psychiatry	321	0	7	11	119	161	12	11
Pulmonary disease	6	0	2	1	0	3	0	0
Radiology	129	1	12	6	8	72	3	27
Surgery	30	0	7	2	0	20	0	1
Clinical medicine, nec	1,402	3	166	133	125	750	114	111
Other health	61,960	342	3,735	5,056	3,280	43,007	3,940	2,600
Dental sciences	694	4	93	21	40	375	25	136
Nursing	26,550	157	1,648	2,469	1,221	18,942	1,605	508
Pharmaceutical sciences	2,901	11	404	292	123	1,196	157	718
Speech pathology/audiology	13,298	51	405	650	870	10,217	722	383
Veterinary sciences	1,040	4	34	40	23	751	27	161
Health related, nec	17,477	115	1,151	1,584	1,003	11,526	1,404	694

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2004.