

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: 2002

Field	U.S. citizens and permanent residents							Students with temporary visas
	Total	American Indian/Alaska Native	Asian/Pacific Islander	Black non-Hispanic	Hispanic	White non-Hispanic	Other or unknown	
All surveyed fields	253,459	1,311	16,751	18,715	13,934	141,288	13,419	48,041
Science and engineering	188,834	925	12,812	13,779	10,434	96,692	10,021	44,171
Science	163,880	856	10,158	12,718	9,473	88,635	9,028	33,012
Physical sciences	10,066	28	531	407	376	4,501	339	3,884
Astronomy	302	1	18	4	8	182	16	73
Chemistry	7,325	20	411	332	307	3,315	198	2,742
Physics	2,201	7	93	52	53	867	94	1,035
Physical sciences, nec	238	0	9	19	8	137	31	34
Earth, atmosphere, and ocean science	6,247	36	197	131	222	4,410	239	1,012
Atmospheric sciences	333	0	15	10	6	175	10	117
Geosciences	2,613	18	70	27	81	1,878	107	432
Oceanography	1,309	6	37	23	71	954	33	185
Earth, atmosphere, and ocean science, nec	1,992	12	75	71	64	1,403	89	278
Mathematical sciences	6,886	6	538	286	207	3,046	303	2,500
Mathematics and applied mathematics	5,239	6	412	250	187	2,556	242	1,586
Statistics	1,647	0	126	36	20	490	61	914
Computer sciences	16,019	31	2,214	843	285	3,979	982	7,685
Agricultural sciences	5,653	40	150	213	209	3,816	213	1,012
Biological sciences	33,473	124	2,675	1,676	1,469	18,978	1,430	7,121
Anatomy	467	1	61	24	16	263	18	84
Biochemistry	2,433	3	210	74	89	1,145	105	807
Biology	7,654	29	405	473	443	4,624	408	1,272
Biometry/epidemiology	2,552	10	328	139	99	1,301	63	612
Biophysics	306	1	38	8	3	161	10	85
Botany	1,019	6	69	17	24	567	33	303
Cell biology	2,791	10	305	92	123	1,389	176	696
Ecology	1,039	4	30	15	37	807	54	92
Entomology/parasitology	492	1	12	8	19	345	11	96
Genetics	1,112	6	81	40	39	678	50	218
Microbiology, immunology, and virology	2,794	10	252	153	138	1,490	121	630
Nutrition	3,512	13	196	200	147	2,086	114	756
Pathology	906	0	98	33	34	547	40	154
Pharmacology	1,772	7	200	119	73	939	43	391
Physiology	994	7	149	58	28	506	22	224
Zoology	638	3	13	9	8	486	21	98
Biosciences, nec	2,992	13	228	214	149	1,644	141	603
Psychology	37,881	237	1,653	3,545	3,533	24,770	2,370	1,773
Clinical psychology	9,324	73	434	603	1,216	6,045	595	358
Psychology, general	10,676	73	489	1,188	659	7,173	537	557
Psychology, nec	17,881	91	730	1,754	1,658	11,552	1,238	858
Social sciences	47,655	354	2,200	5,617	3,172	25,135	3,152	8,025
Agricultural economics	844	2	20	41	13	325	27	416
Anthropology (cultural and social)	4,641	52	180	189	244	3,208	319	449
Economics (except agricultural)	4,268	12	258	137	118	1,231	182	2,330
Geography	1,865	7	60	57	52	1,281	89	319
History and philosophy of science	301	1	16	11	18	197	31	27
Linguistics	1,891	8	135	27	95	869	103	654
Political science	18,583	119	854	3,042	1,493	9,453	1,384	2,238
Sociology	5,768	39	255	709	394	3,334	254	783
Sociology/anthropology	453	7	9	74	17	290	11	45
Social sciences, nec	9,041	107	413	1,330	728	4,947	752	764

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

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: 2002

Field	U.S. citizens and permanent residents							Students with temporary visas
	Total	American Indian/Alaska Native	Asian/Pacific Islander	Black non-Hispanic	Hispanic	White non-Hispanic	Other or unknown	
Engineering	24,954	69	2,654	1,061	961	8,057	993	11,159
Aerospace engineering	516	2	31	6	23	217	21	216
Agricultural engineering	272	2	16	15	14	117	7	101
Biomedical engineering	1,529	2	211	75	36	647	63	495
Chemical engineering	1,995	8	203	81	84	653	56	910
Civil engineering	4,905	18	298	182	274	2,228	209	1,696
Electrical engineering	7,270	12	972	201	175	1,028	280	4,602
Engineering science	430	3	43	7	8	170	21	178
Industrial/manufacturing engineering	3,076	7	273	264	175	1,249	152	956
Mechanical engineering	2,083	9	169	79	83	743	81	919
Metallurgical/materials engineering	1,251	2	92	51	28	468	17	593
Mining engineering	37	1	2	0	2	25	0	7
Nuclear engineering	148	0	7	6	9	63	2	61
Petroleum engineering	107	0	6	0	11	11	12	67
Engineering, nec	1,335	3	331	94	39	438	72	358
Health	64,625	386	3,939	4,936	3,500	44,596	3,398	3,870
Medical fields	11,753	77	1,162	1,192	954	6,391	615	1,362
Anesthesiology	660	5	26	30	14	528	53	4
Cardiology	19	0	3	1	0	8	1	6
Endocrinology	32	0	3	0	0	18	1	10
Gastroenterology	6	0	0	0	0	5	0	1
Hematology	10	0	1	1	0	4	1	3
Neurology	1,183	9	131	40	37	716	49	201
Obstetrics and gynecology	14	0	5	1	0	7	0	1
Oncology/cancer research	145	1	19	12	5	87	1	20
Ophthalmology	75	0	12	0	0	33	0	30
Otorhinolaryngology	1	0	1	0	0	0	0	0
Pediatrics	397	4	27	27	16	276	8	39
Preventive medicine/community health	7,722	54	752	972	717	3,969	346	912
Psychiatry	295	2	12	19	42	178	38	4
Pulmonary disease	2	0	0	0	0	1	0	1
Radiology	102	0	10	4	3	56	2	27
Surgery	25	0	6	2	0	16	0	1
Clinical medicine, nec	1,065	2	154	83	120	489	115	102
Other health fields	52,872	309	2,777	3,744	2,546	38,205	2,783	2,508
Dental sciences	564	2	70	17	23	284	16	152
Nursing	22,156	150	1,176	1,718	916	16,548	1,215	433
Pharmaceutical sciences	2,465	3	177	168	139	1,184	51	743
Speech pathology/audiology	12,405	64	322	539	623	9,854	645	358
Veterinary sciences	1,016	3	21	43	19	739	19	172
Health related, nec	14,266	87	1,011	1,259	826	9,596	837	650

nec = not elsewhere classified.

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