

TABLE 12. Female graduate students in science, engineering, and health fields in all institutions, by detailed field: 1997–2004

Field	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
Science and engineering	162,011	163,427	168,396	170,479	177,430	188,644	198,434	202,020
Science	143,291	144,439	148,509	149,733	155,173	163,677	170,847	174,702
Agricultural sciences	4,706	4,852	5,049	5,088	5,343	5,653	6,026	6,258
Biological sciences	28,476	28,953	29,621	29,807	31,049	33,427	35,883	37,249
Anatomy	383	342	345	367	352	467	466	480
Biochemistry	2,176	2,229	2,266	2,231	2,223	2,422	2,595	2,643
Biology	7,287	7,213	7,143	7,006	7,189	7,514	8,158	8,605
Biometry/epidemiology	1,776	2,153	2,323	2,241	2,427	2,552	2,771	2,867
Biophysics	216	209	213	231	262	306	339	434
Botany	996	1,011	982	986	974	1,019	996	974
Cell biology	2,055	2,141	2,360	2,494	2,521	2,791	3,006	3,095
Ecology	798	830	881	916	979	1,039	1,208	1,192
Entomology/parasitology	410	414	406	442	480	492	537	565
Genetics	968	983	1,016	973	1,046	1,112	1,216	1,283
Microbiology/immunology/virology	2,396	2,371	2,450	2,432	2,495	2,808	2,933	3,053
Nutrition	3,460	3,413	3,431	3,379	3,436	3,512	3,658	3,680
Pathology	832	804	804	829	895	906	910	911
Pharmacology	1,229	1,325	1,343	1,516	1,658	1,773	1,818	1,694
Physiology	934	886	898	882	911	994	1,144	1,248
Zoology	703	694	670	642	667	638	645	640
Biosciences, nec	1,857	1,935	2,090	2,240	2,534	3,082	3,483	3,885
Computer sciences	9,881	10,802	12,545	14,080	15,302	16,025	14,816	13,366
Earth, atmospheric, and ocean sciences	5,416	5,568	5,725	5,753	5,892	6,247	6,538	6,928
Atmospheric sciences	263	234	242	268	298	333	374	363
Geosciences	2,296	2,315	2,400	2,455	2,483	2,613	2,764	3,055
Oceanography	1,055	1,162	1,222	1,267	1,255	1,309	1,392	1,509
Earth/atmospheric/ocean sciences, nec	1,802	1,857	1,861	1,763	1,856	1,992	2,008	2,001
Mathematical sciences	5,868	5,988	6,043	5,780	6,270	6,886	7,289	7,486
Mathematics/applied mathematics	4,783	4,895	4,862	4,508	4,818	5,239	5,406	5,585
Statistics	1,085	1,093	1,181	1,272	1,452	1,647	1,883	1,901
Physical sciences	8,848	8,753	8,915	9,115	9,336	10,066	10,778	11,298
Astronomy	208	230	225	267	265	302	345	355
Chemistry	6,722	6,564	6,617	6,756	6,855	7,325	7,839	8,232
Physics	1,744	1,780	1,876	1,910	2,042	2,201	2,366	2,499
Physical sciences, nec	174	179	197	182	174	238	228	212
Psychology	37,619	37,462	37,271	36,872	37,318	37,728	38,816	40,092
Clinical psychology	9,312	9,173	9,285	9,283	9,399	9,467	9,955	10,547
Psychology, general	11,877	11,847	11,387	11,027	11,283	10,676	10,998	11,107
Psychology, nec	16,430	16,442	16,599	16,562	16,636	17,585	17,863	18,438
Social sciences	42,477	42,061	43,340	43,238	44,663	47,645	50,701	52,025
Agricultural economics	688	680	715	789	835	844	900	854
Anthropology (cultural/social)	4,501	4,556	4,644	4,685	4,562	4,617	4,870	4,968
Economics (except agricultural)	3,512	3,464	3,499	3,765	3,995	4,268	4,508	4,473
Geography	1,625	1,663	1,703	1,627	1,801	1,843	2,028	2,007
History and philosophy of science	162	193	212	219	244	301	312	414
Linguistics	2,017	1,953	1,833	1,744	1,793	1,891	2,005	1,923
Political science	15,404	14,961	15,573	15,927	16,501	18,619	19,842	20,960
Sociology	5,822	5,696	5,739	5,580	5,732	5,768	5,901	5,807
Sociology/anthropology	571	522	470	463	500	453	506	547
Social sciences, nec	8,175	8,373	8,952	8,439	8,700	9,041	9,829	10,072
Engineering	18,720	18,988	19,887	20,746	22,257	24,967	27,587	27,318
Aerospace engineering	371	382	423	469	485	516	603	600

TABLE 12. Female graduate students in science, engineering, and health fields in all institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
Agricultural engineering	218	243	251	268	284	272	297	295
Biomedical engineering	826	870	1,004	1,070	1,254	1,529	1,962	2,213
Chemical engineering	1,720	1,727	1,733	1,875	1,829	1,995	2,100	2,106
Civil engineering	4,164	4,102	4,157	4,277	4,503	4,905	5,398	5,454
Electrical engineering	4,550	4,872	5,133	5,536	6,212	7,270	7,794	7,201
Engineering science	278	331	319	342	363	430	465	465
Industrial engineering	2,656	2,452	2,659	2,713	2,808	3,076	3,266	3,229
Mechanical engineering	1,779	1,762	1,788	1,832	1,944	2,083	2,354	2,477
Metallurgical/materials engineering	1,117	1,130	1,084	1,041	1,173	1,251	1,331	1,320
Mining engineering	63	55	55	46	36	37	42	42
Nuclear engineering	143	134	144	156	157	148	182	196
Petroleum engineering	77	55	82	87	91	107	129	134
Engineering, nec	758	873	1,055	1,034	1,118	1,348	1,664	1,586
Health	60,700	61,181	62,185	60,723	61,033	64,711	70,013	75,380
Medical fields	8,807	9,721	10,201	9,910	10,588	11,775	12,823	13,420
Anesthesiology	485	501	476	426	504	589	718	741
Cardiology	7	8	26	15	19	19	10	18
Endocrinology	19	25	32	28	28	32	33	39
Gastroenterology	2	0	5	6	6	6	10	9
Hematology	3	1	4	2	2	10	15	16
Neurology	730	767	821	892	1,013	1,183	1,317	1,331
Obstetrics/gynecology	9	5	10	6	13	14	12	10
Oncology/cancer research	109	112	137	130	142	145	144	157
Ophthalmology	19	24	30	31	23	75	271	275
Otorhinolaryngology	0	0	0	6	2	1	2	1
Pediatrics	283	273	261	313	327	397	365	363
Preventive medicine/community health	6,279	7,188	7,554	7,046	7,240	7,722	8,213	8,572
Psychiatry	189	115	96	150	201	295	217	321
Pulmonary disease	0	0	2	2	5	2	8	6
Radiology	90	85	67	92	106	102	130	129
Surgery	77	65	54	70	41	25	26	30
Clinical medicine, nec	506	552	626	695	916	1,158	1,332	1,402
Other health	51,893	51,460	51,984	50,813	50,445	52,936	57,190	61,960
Dental sciences	559	566	549	550	563	564	656	694
Nursing	24,825	23,432	22,813	21,262	21,351	22,156	23,897	26,550
Pharmaceutical sciences	1,287	1,364	1,690	1,847	1,859	2,441	3,012	2,901
Speech pathology/audiology	12,141	12,138	12,540	12,609	12,187	12,405	12,736	13,298
Veterinary sciences	616	679	736	760	866	1,016	1,032	1,040
Health related, nec	12,465	13,281	13,656	13,785	13,619	14,354	15,857	17,477

nec = not elsewhere classified.

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