

TABLE 20. Female full-time 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	143,897	146,396	151,483	155,022	161,057	172,838	183,350	189,358
Science and engineering	110,501	111,623	114,838	118,572	124,158	133,679	140,543	143,705
Science	97,993	98,796	101,315	103,720	107,965	115,262	120,467	123,849
Agricultural sciences	3,628	3,692	3,885	4,059	4,204	4,432	4,643	4,736
Biological sciences	22,838	23,292	23,849	24,183	25,431	27,748	29,666	30,883
Anatomy	359	323	323	354	317	425	421	421
Biochemistry	2,046	2,101	2,108	2,102	2,096	2,297	2,479	2,498
Biology	5,013	4,934	4,943	4,883	5,141	5,509	6,073	6,348
Biometry/epidemiology	1,214	1,559	1,656	1,628	1,754	1,938	2,044	2,028
Biophysics	211	198	202	219	251	297	321	409
Botany	864	894	875	879	867	935	913	887
Cell biology	1,828	1,929	2,120	2,222	2,276	2,545	2,711	2,827
Ecology	576	602	651	660	732	778	818	849
Entomology/parasitology	359	355	352	396	418	426	464	482
Genetics	899	920	944	935	992	1,055	1,157	1,233
Microbiology/immunology/virology	2,153	2,159	2,262	2,261	2,346	2,615	2,768	2,886
Nutrition	2,441	2,356	2,385	2,349	2,490	2,575	2,627	2,620
Pathology	693	673	695	703	739	743	775	793
Pharmacology	1,168	1,245	1,263	1,317	1,438	1,532	1,573	1,614
Physiology	859	808	803	818	841	933	1,061	1,154
Zoology	612	603	571	563	584	562	545	554
Biosciences, nec	1,543	1,633	1,696	1,894	2,149	2,583	2,916	3,280
Computer sciences	4,799	5,452	6,374	7,460	8,311	8,836	7,850	7,224
Earth, atmospheric, and ocean sciences	3,860	4,070	4,313	4,439	4,568	4,922	5,183	5,356
Atmospheric sciences	237	215	226	245	273	302	337	321
Geosciences	1,802	1,824	1,926	1,992	2,039	2,169	2,291	2,399
Oceanography	821	919	1,001	1,055	1,016	1,060	1,163	1,215
Earth/atmospheric/ocean sciences, nec	1,000	1,112	1,160	1,147	1,240	1,391	1,392	1,421
Mathematical sciences	3,973	3,954	4,134	4,071	4,382	4,902	5,139	5,177
Mathematics/applied mathematics	3,144	3,121	3,201	3,056	3,213	3,587	3,665	3,748
Statistics	829	833	933	1,015	1,169	1,315	1,474	1,429
Physical sciences	7,428	7,357	7,570	7,742	8,086	8,803	9,427	9,884
Astronomy	204	221	218	250	253	292	331	345
Chemistry	5,608	5,499	5,644	5,728	5,923	6,410	6,842	7,183
Physics	1,537	1,575	1,636	1,695	1,823	1,982	2,144	2,241
Physical sciences, nec	79	62	72	69	87	119	110	115
Psychology	24,718	24,639	24,585	25,078	25,184	25,404	26,360	27,830
Clinical psychology	6,977	7,000	7,146	7,168	7,245	7,132	7,363	7,846
Psychology, general	8,381	8,282	8,009	8,073	7,992	7,523	8,056	8,084
Psychology, nec	9,360	9,357	9,430	9,837	9,947	10,749	10,941	11,900
Social sciences	26,749	26,340	26,605	26,688	27,799	30,215	32,199	32,759
Agricultural economics	583	567	594	680	726	762	812	738
Anthropology (cultural/social)	3,431	3,442	3,519	3,437	3,368	3,564	3,711	3,710
Economics (except agricultural)	2,745	2,720	2,735	2,938	3,209	3,467	3,623	3,628
Geography	1,139	1,146	1,150	1,081	1,229	1,229	1,371	1,321
History and philosophy of science	133	147	162	173	174	188	190	224
Linguistics	1,576	1,505	1,400	1,350	1,408	1,464	1,559	1,521
Political science	7,792	7,483	7,659	7,799	8,279	9,711	10,431	11,055
Sociology	4,047	3,993	3,966	3,882	3,951	4,112	4,292	4,159
Sociology/anthropology	403	374	338	324	355	355	360	403
Social sciences, nec	4,900	4,963	5,082	5,024	5,100	5,363	5,850	6,000
Engineering	12,508	12,827	13,523	14,852	16,193	18,417	20,076	19,856
Aerospace engineering	303	314	325	374	386	412	453	454

TABLE 20. Female full-time 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	188	211	221	230	247	233	267	252
Biomedical engineering	729	765	902	953	1,100	1,390	1,770	1,930
Chemical engineering	1,370	1,397	1,396	1,546	1,540	1,666	1,810	1,817
Civil engineering	2,911	2,941	3,045	3,300	3,425	3,780	4,118	4,175
Electrical engineering	2,897	3,137	3,374	3,889	4,473	5,356	5,568	5,087
Engineering science	175	222	197	219	257	304	364	378
Industrial engineering	1,107	1,084	1,136	1,339	1,429	1,572	1,631	1,594
Mechanical engineering	1,289	1,233	1,262	1,344	1,438	1,580	1,748	1,789
Metallurgical/materials engineering	875	907	848	850	989	1,062	1,128	1,142
Mining engineering	51	45	43	35	31	30	32	30
Nuclear engineering	122	111	111	125	128	128	154	168
Petroleum engineering	69	48	73	72	78	95	116	120
Engineering, nec	422	412	590	576	672	809	917	920
Health	33,396	34,773	36,645	36,450	36,899	39,159	42,807	45,653
Medical fields	5,624	6,183	6,719	6,509	7,038	8,005	9,020	9,328
Anesthesiology	441	401	363	332	427	489	585	613
Cardiology	7	8	25	15	19	19	8	18
Endocrinology	18	25	31	28	27	32	27	37
Gastroenterology	2	0	5	6	6	6	10	7
Hematology	3	1	3	2	2	7	15	12
Neurology	698	746	793	859	975	1,148	1,263	1,285
Obstetrics/gynecology	9	4	8	6	9	12	10	9
Oncology/cancer research	107	109	134	122	134	144	142	154
Ophthalmology	15	16	22	23	14	68	258	264
Otorhinolaryngology	0	0	0	5	2	1	2	1
Pediatrics	223	211	224	266	266	308	289	270
Preventive medicine/community health	3,559	4,147	4,536	4,182	4,378	4,717	5,208	5,336
Psychiatry	65	35	39	64	81	104	53	152
Pulmonary disease	0	0	2	2	5	1	5	6
Radiology	54	44	44	50	58	67	78	72
Surgery	71	58	52	63	28	18	17	18
Clinical medicine, nec	352	378	438	484	607	864	1,050	1,074
Other health	27,772	28,590	29,926	29,941	29,861	31,154	33,787	36,325
Dental sciences	493	479	458	502	500	506	596	606
Nursing	8,136	8,063	8,366	7,862	7,995	8,686	9,387	10,063
Pharmaceutical sciences	1,061	1,076	1,304	1,405	1,375	1,247	1,848	1,938
Speech pathology/audiology	9,030	9,207	9,597	9,704	9,371	9,544	9,878	10,324
Veterinary sciences	523	564	610	646	736	876	852	824
Health related, nec	8,529	9,201	9,591	9,822	9,884	10,295	11,226	12,570

nec = not elsewhere classified.

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