

TABLE 10. Female graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
All surveyed fields	277,749	286,935	297,825	299,671	307,490	311,179	303,120	297,171
Science and engineering	201,865	206,308	211,106	218,295	227,273	231,997	237,749	240,481
Science	174,593	179,413	183,162	188,321	196,801	200,460	204,431	206,028
Agricultural sciences	6,258	6,202	6,299	6,444	6,627	6,891	7,485	7,819
Biological sciences	37,289	38,521	39,369	40,651	40,754	41,334	41,818	42,571
Anatomy	467	466	487	505	428	383	428	432
Biochemistry	2,643	2,818	2,812	2,899	2,868	2,691	2,615	2,655
Biology	8,617	8,638	9,056	9,042	8,891	9,226	9,494	9,582
Biometry/epidemiology	2,867	3,009	2,985	3,330	3,412	3,560	3,395	3,747
Biophysics	434	408	405	418	417	383	377	376
Botany	974	985	962	977	940	945	971	979
Cell biology	3,095	3,290	3,530	3,653	3,742	3,903	3,950	3,823
Ecology	1,192	1,210	1,224	1,249	1,139	1,126	960	1,009
Entomology/parasitology	565	520	518	507	507	504	512	550
Genetics	1,283	1,309	1,317	1,284	1,274	1,277	1,351	1,373
Microbiology/immunology/virology	3,053	3,082	3,050	3,060	3,004	2,933	2,911	2,849
Nutrition	3,721	3,791	3,941	4,117	3,865	4,172	4,300	4,479
Pathology	922	958	981	999	964	1,011	910	835
Pharmacology	1,693	1,713	1,664	1,679	1,671	1,679	1,772	1,755
Physiology	1,229	1,255	1,275	1,277	1,460	1,505	1,425	1,466
Zoology	640	636	586	571	595	466	476	508
Biological sciences, nec	3,894	4,433	4,576	5,084	5,577	5,570	5,971	6,153
Communication ^a	ne	ne	ne	ne	4,647	5,381	6,029	6,353
Computer sciences	13,277	12,045	12,062	12,206	12,017	12,545	13,053	12,807
Earth, atmospheric, and ocean sciences	6,932	6,895	7,004	6,951	6,650	6,621	6,815	7,200
Atmospheric sciences	363	388	367	395	419	449	447	484
Geosciences	3,059	3,043	3,081	3,055	3,040	3,042	3,195	3,493
Oceanography	1,509	1,481	1,497	1,464	1,439	1,433	1,431	1,423
Earth/atmospheric/ocean sciences, nec	2,001	1,983	2,059	2,037	1,752	1,697	1,742	1,800
Family and consumer sciences/ human sciences ^a	ne	ne	ne	ne	2,327	2,958	3,203	3,461
Mathematical sciences	7,497	7,437	7,693	7,781	7,678	7,751	7,979	8,127
Mathematics/applied mathematics	5,613	5,560	5,772	5,751	5,648	5,540	5,787	5,768
Statistics	1,884	1,877	1,921	2,030	2,030	2,211	2,192	2,359
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	2,560	3,234	3,809	4,493
Neuroscience ^a	na	na	na	na	863	1,097	1,264	1,474
Physical sciences	11,300	11,726	12,005	12,253	12,109	12,333	12,691	12,826
Astronomy	355	394	407	414	414	410	431	423
Chemistry	8,232	8,423	8,644	8,821	8,770	8,983	9,222	9,261
Physics	2,501	2,669	2,710	2,776	2,768	2,758	2,846	2,899
Physical sciences, nec	212	240	244	242	157	182	192	243
Psychology ^b	40,156	43,319	43,703	45,594	45,116	44,615	42,536	40,238
Clinical psychology	10,623	11,012	10,843	11,294	11,269	10,589	10,205	9,455
Psychology, general	10,958	11,930	11,989	13,405	13,036	12,581	10,867	9,992
Psychology, nec	18,575	20,377	20,871	20,895	20,811	21,445	21,464	20,791
Social sciences	51,884	53,268	55,027	56,441	55,453	55,700	57,749	58,659
Agricultural economics	854	875	909	907	849	914	949	927
Anthropology (cultural/social)	4,973	4,940	5,215	5,151	5,169	5,314	5,337	5,490
Economics (except agricultural)	4,485	4,254	4,343	4,555	4,699	4,815	5,120	5,214
Geography	2,008	2,013	2,002	1,971	1,971	1,999	2,071	2,172
History and philosophy of science	414	440	428	482	449	496	409	316
Linguistics	1,927	2,055	1,986	1,993	1,876	2,002	1,940	1,888

TABLE 10. Female graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Political science	20,820	21,882	22,239	22,146	21,820	21,696	23,379	23,970
Sociology	5,794	5,793	5,793	6,235	6,163	6,440	6,159	6,326
Sociology/anthropology	547	545	547	552	455	424	371	218
Social sciences, nec	10,062	10,471	11,565	12,449	12,002	11,600	12,014	12,138
Engineering	27,272	26,895	27,944	29,974	30,472	31,537	33,318	34,453
Aerospace engineering	600	607	709	700	700	722	734	784
Agricultural engineering	311	323	350	366	366	398	437	509
Architecture ^a	na	na	na	na	1,974	2,612	2,997	3,044
Biomedical engineering	2,183	2,297	2,486	2,610	2,621	2,761	2,979	3,133
Chemical engineering	2,106	2,079	2,159	2,235	2,266	2,409	2,616	2,722
Civil engineering ^a	5,441	5,405	5,423	6,348	4,736	4,765	5,301	5,571
Electrical engineering	7,201	6,788	7,026	7,367	7,439	7,340	7,174	7,193
Engineering science	465	419	451	412	409	471	478	438
Industrial engineering	3,230	3,296	3,466	3,520	3,544	3,714	3,800	3,684
Mechanical engineering	2,456	2,408	2,485	2,615	2,614	2,749	2,990	3,186
Metallurgical/materials engineering	1,321	1,348	1,390	1,460	1,473	1,533	1,589	1,754
Mining engineering	42	39	43	51	37	49	55	77
Nuclear engineering	196	211	214	226	221	214	198	228
Petroleum engineering	134	121	135	183	183	191	209	235
Engineering, nec	1,586	1,554	1,607	1,881	1,889	1,609	1,761	1,895
Health ^b	75,884	80,627	86,719	81,376	80,217	79,182	65,371	56,690
Clinical medicine	13,471	14,075	15,533	16,306	15,350	16,347	16,445	17,857
Anesthesiology	868	900	905	561	561	354	249	193
Cardiology	11	13	11	29	29	22	20	22
Endocrinology	39	31	21	24	24	47	33	31
Gastroenterology	9	5	10	14	14	7	8	3
Hematology	16	5	4	7	7	4	6	3
Neurology ^a	1,331	1,426	1,571	1,820	932	782	676	552
Obstetrics/gynecology	10	9	33	57	57	65	69	61
Oncology/cancer research	157	189	195	207	152	154	156	136
Ophthalmology	275	264	280	291	273	0	0	1
Otorhinolaryngology	1	5	7	9	9	9	2	2
Pediatrics	363	229	236	249	249	163	141	161
Preventive medicine/community health	8,510	8,929	10,113	11,011	11,468	12,818	13,452	14,865
Psychiatry	321	198	219	234	177	152	182	207
Pulmonary disease	6	13	4	9	9	6	9	8
Radiology	123	132	140	84	85	85	115	124
Surgery	30	27	41	21	11	11	18	29
Clinical medicine, nec	1,401	1,700	1,743	1,679	1,293	1,668	1,309	1,459
Other health ^b	62,413	66,552	71,186	65,070	64,867	62,835	48,926	38,833
Dental sciences	841	781	686	625	699	679	751	744
Nursing	26,981	28,731	32,539	28,842	28,910	27,746	19,462	10,932
Pharmaceutical sciences	2,904	3,446	3,532	2,670	2,722	2,211	2,298	2,227

TABLE 10. Female graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Speech pathology/audiology	13,059	13,856	13,850	14,974	14,980	14,755	13,590	13,531
Veterinary sciences	1,040	1,241	1,309	1,293	1,510	1,597	1,362	1,415
Other health, nec	17,588	18,497	19,270	16,666	16,046	15,847	11,463	9,984

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

nec = not elsewhere classified.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. Science fields "communication" and "family and consumer sciences/human sciences" are newly eligible; data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; data may have been reported under other fields before 2007. "Neuroscience" is reported as separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as separate field of engineering in 2007new; data were reported under "civil engineering" in 2007old and previous years. See appendix A in <http://www.nsf.gov/statistics/nsf10307/> for more detail.

^b Beginning with 2008, more rigorous follow-up was done with institutions regarding exclusion of practitioner-oriented graduate degree programs in psychology and in other health (a subfield of health). This change may affect interpretation of trends in these fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.