

TABLE 11. Full-time 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	402,573	406,620	419,015	430,860	437,365	449,613	456,115	461,185
Science and engineering	340,529	341,742	349,802	362,976	371,542	383,560	398,498	409,107
Science	253,574	257,283	261,984	269,821	277,229	285,305	293,561	299,315
Agricultural sciences	10,040	9,710	9,478	9,634	9,822	10,132	10,823	11,087
Biological sciences	55,848	57,697	58,918	60,093	60,428	60,662	61,466	62,770
Anatomy	802	844	899	906	823	731	806	800
Biochemistry	5,333	5,486	5,433	5,581	5,498	5,085	4,886	4,909
Biology	11,554	11,926	12,413	12,330	12,062	12,486	12,811	13,084
Biometry/epidemiology	3,218	3,417	3,495	3,734	3,919	4,294	4,176	4,868
Biophysics	1,115	1,120	1,145	1,183	1,159	1,037	1,001	1,033
Botany	1,653	1,667	1,655	1,713	1,655	1,613	1,664	1,679
Cell biology	5,395	5,770	6,188	6,317	6,445	6,632	6,660	6,621
Ecology	1,531	1,600	1,602	1,744	1,617	1,620	1,417	1,471
Entomology/parasitology	1,046	943	947	926	926	910	892	933
Genetics	2,047	2,063	2,060	2,067	2,042	2,056	2,175	2,254
Microbiology/immunology/virology	5,083	5,074	5,015	4,992	4,898	4,745	4,660	4,569
Nutrition	3,385	3,424	3,441	3,621	3,365	3,526	3,631	3,776
Pathology	1,367	1,375	1,400	1,406	1,386	1,384	1,308	1,272
Pharmacology	2,974	2,905	2,818	2,808	2,789	2,743	2,884	2,756
Physiology	2,219	2,187	2,195	2,164	2,455	2,606	2,597	2,678
Zoology	1,072	1,094	994	964	976	726	661	589
Biological sciences, nec	6,054	6,802	7,218	7,637	8,413	8,468	9,237	9,478
Communication ^a	ne	ne	ne	ne	4,528	5,224	6,091	6,274
Computer sciences	29,162	28,317	28,760	30,511	30,082	31,338	32,198	32,782
Earth, atmospheric, and ocean sciences	11,685	11,370	11,431	11,376	10,892	11,171	11,589	12,318
Atmospheric sciences	963	1,002	930	959	1,011	1,169	1,132	1,193
Geosciences	5,712	5,537	5,497	5,473	5,423	5,409	5,825	6,352
Oceanography	2,284	2,198	2,231	2,177	2,144	2,120	2,197	2,130
Earth/atmospheric/ocean sciences, nec	2,726	2,633	2,773	2,767	2,314	2,473	2,435	2,643
Family and consumer sciences/human sciences ^a	ne	ne	ne	ne	1,594	1,936	2,168	2,377
Mathematical sciences	14,916	15,261	15,571	15,966	15,668	16,241	16,885	17,606
Mathematics/applied mathematics	11,915	12,051	12,348	12,587	12,279	12,530	12,950	13,427
Statistics	3,001	3,210	3,223	3,379	3,389	3,711	3,935	4,179
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	2,398	3,110	3,957	5,063
Neuroscience ^a	na	na	na	na	1,530	1,909	2,261	2,682
Physical sciences	31,675	32,400	32,841	33,091	32,857	33,254	34,181	34,856
Astronomy	1,078	1,129	1,158	1,186	1,185	1,233	1,348	1,292
Chemistry	18,311	18,760	18,942	19,001	18,887	19,073	19,682	20,011
Physics	12,017	12,224	12,439	12,596	12,570	12,626	12,771	13,085
Physical sciences, nec	269	287	302	308	215	322	380	468
Psychology ^b	37,872	38,919	38,994	41,166	40,678	42,103	40,373	38,571
Clinical psychology	10,238	10,531	10,168	10,687	10,691	10,349	10,144	9,378
Psychology, general	11,689	12,016	12,148	12,824	12,550	12,925	11,443	10,716
Psychology, nec	15,945	16,372	16,678	17,655	17,437	18,829	18,786	18,477
Social sciences	62,376	63,609	65,991	67,984	66,752	68,225	71,569	72,929
Agricultural economics	1,888	1,831	1,836	1,856	1,762	1,868	1,896	1,825
Anthropology (cultural/social)	5,832	5,877	6,219	6,303	6,315	6,459	6,462	6,596
Economics (except agricultural)	10,037	9,715	10,018	10,181	10,358	10,541	11,433	11,879
Geography	3,172	3,196	3,158	3,166	3,166	3,299	3,331	3,373
History and philosophy of science	533	582	602	726	661	798	653	476
Linguistics	2,364	2,519	2,488	2,453	2,275	2,328	2,386	2,419
Political science	21,101	22,222	23,109	23,473	23,209	23,640	25,970	26,850

TABLE 11. Full-time 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
Sociology	6,428	6,614	6,682	6,819	6,750	7,110	7,006	7,222
Sociology/anthropology	598	601	579	559	428	393	301	171
Social sciences, nec	10,423	10,452	11,300	12,448	11,828	11,789	12,131	12,118
Engineering	86,955	84,459	87,818	93,155	94,313	98,255	104,937	109,792
Aerospace engineering	3,243	3,241	3,374	3,482	3,482	3,691	3,974	4,211
Agricultural engineering	842	855	893	917	917	1,022	1,084	1,198
Architecture ^a	na	na	na	na	4,097	5,211	6,112	6,079
Biomedical engineering	5,047	5,254	5,666	5,898	5,921	6,262	6,859	7,418
Chemical engineering	6,379	6,139	6,218	6,275	6,459	6,762	7,110	7,516
Civil engineering ^a	13,588	13,196	13,074	14,691	11,336	11,909	13,503	14,191
Electrical engineering	26,732	25,849	27,379	28,934	29,076	29,212	29,282	29,977
Engineering science	1,741	1,613	1,656	1,454	1,432	1,486	1,490	1,502
Industrial engineering	6,591	6,113	6,421	7,036	7,422	8,216	8,362	8,371
Mechanical engineering	12,718	12,178	12,666	13,170	13,160	13,763	15,609	16,625
Metallurgical/materials engineering	4,359	4,507	4,627	4,667	4,613	4,811	5,181	5,551
Mining engineering	238	212	181	209	142	207	212	361
Nuclear engineering	809	840	910	960	951	941	968	1,123
Petroleum engineering	660	631	647	792	792	828	993	1,063
Engineering, nec	4,008	3,831	4,106	4,670	4,513	3,934	4,198	4,606
Health ^b	62,044	64,878	69,213	67,884	65,823	66,053	57,617	52,078
Clinical medicine	14,999	15,102	16,567	17,451	15,478	16,965	16,725	17,704
Anesthesiology	1,098	1,120	1,189	826	826	562	400	321
Cardiology	39	33	32	51	51	38	38	48
Endocrinology	57	52	42	37	37	60	47	48
Gastroenterology	13	3	17	28	28	15	15	7
Hematology	24	9	14	9	9	8	9	4
Neurology ^a	2,561	2,684	2,885	3,283	1,707	1,416	1,284	1,039
Obstetrics/gynecology	13	16	47	71	71	65	69	55
Oncology/cancer research	270	329	340	355	264	260	258	229
Ophthalmology	406	380	389	385	378	1	1	5
Otorhinolaryngology	6	6	8	7	7	9	2	3
Pediatrics	327	225	245	267	267	169	162	183
Preventive medicine/community health	7,764	7,552	8,590	9,292	9,585	11,679	12,219	13,312
Psychiatry	200	117	126	153	93	95	114	122
Pulmonary disease	7	27	10	23	23	13	12	12
Radiology	171	189	184	213	224	225	271	284
Surgery	59	70	85	45	29	17	26	49
Clinical medicine, nec	1,984	2,290	2,364	2,406	1,879	2,333	1,798	1,983
Other health ^b	47,045	49,776	52,646	50,433	50,345	49,088	40,892	34,374
Dental sciences	1,763	1,494	1,340	1,265	1,406	1,372	1,564	1,494
Nursing	11,598	12,571	13,979	13,137	13,128	13,204	9,544	4,980
Pharmaceutical sciences	3,633	4,255	4,480	3,756	3,852	2,979	3,182	3,032

TABLE 11. Full-time 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	10,866	11,259	11,506	12,698	12,679	12,438	12,466	12,554
Veterinary sciences	1,364	1,532	1,663	1,634	1,891	1,860	1,637	1,651
Other health, nec	17,821	18,665	19,678	17,943	17,389	17,235	12,499	10,663

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.