

TABLE 9. Graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
All surveyed fields	574,463	582,226	597,643	607,823	619,499	631,489	631,645	632,652
Science and engineering	475,873	478,275	486,287	502,375	516,199	529,275	545,685	556,532
Science	352,307	357,710	363,246	372,120	384,523	391,419	401,008	407,291
Agricultural sciences	13,445	13,123	13,016	13,222	13,528	14,153	15,200	15,656
Biological sciences	66,565	68,479	69,941	71,663	71,932	72,666	73,304	74,928
Anatomy	897	938	961	979	867	764	833	849
Biochemistry	5,612	5,814	5,824	5,959	5,853	5,473	5,271	5,308
Biology	15,458	15,681	16,463	16,212	15,898	16,514	16,840	17,210
Biometry/epidemiology	4,674	4,805	4,789	5,483	5,694	5,971	5,739	6,398
Biophysics	1,180	1,183	1,203	1,214	1,193	1,084	1,042	1,072
Botany	1,831	1,860	1,850	1,891	1,821	1,803	1,831	1,863
Cell biology	5,830	6,177	6,553	6,696	6,839	7,096	7,153	7,047
Ecology	2,185	2,165	2,162	2,191	2,026	2,026	1,746	1,828
Entomology/parasitology	1,241	1,126	1,114	1,078	1,078	1,079	1,079	1,116
Genetics	2,129	2,155	2,154	2,152	2,120	2,120	2,242	2,333
Microbiology/immunology/virology	5,375	5,401	5,324	5,314	5,212	5,054	4,968	4,896
Nutrition	4,771	4,817	5,042	5,250	4,890	5,177	5,330	5,548
Pathology	1,557	1,593	1,612	1,633	1,580	1,618	1,450	1,376
Pharmacology	3,122	3,114	2,985	3,030	3,013	3,005	3,163	3,101
Physiology	2,409	2,399	2,416	2,406	2,738	2,863	2,866	2,879
Zoology	1,236	1,264	1,145	1,084	1,108	925	875	896
Biological sciences, nec	7,058	7,987	8,344	9,091	10,002	10,094	10,876	11,208
Communication <sup>a</sup>	ne	ne	ne	ne	7,303	8,444	9,418	9,825
Computer sciences	50,016	47,978	47,653	48,959	48,246	49,553	51,161	51,546
Earth, atmospheric, and ocean sciences	15,131	14,836	14,920	14,675	14,100	14,389	14,839	15,655
Atmospheric sciences	1,086	1,146	1,079	1,117	1,178	1,400	1,355	1,455
Geosciences	7,358	7,212	7,177	7,061	7,020	7,089	7,539	8,251
Oceanography	2,801	2,760	2,770	2,663	2,615	2,634	2,633	2,556
Earth/atmospheric/ocean sciences, nec	3,886	3,718	3,894	3,834	3,287	3,266	3,312	3,393
Family and consumer sciences/ human sciences <sup>a</sup>	ne	ne	ne	ne	2,780	3,549	3,794	4,191
Mathematical sciences	19,931	20,210	20,815	21,335	20,975	21,400	22,226	23,136
Mathematics/applied mathematics	15,964	16,106	16,649	16,894	16,528	16,449	17,204	17,589
Statistics	3,967	4,104	4,166	4,441	4,447	4,951	5,022	5,547
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	4,484	5,559	6,557	7,944
Neuroscience <sup>a</sup>	na	na	na	na	1,584	2,012	2,356	2,798
Physical sciences	35,761	36,375	36,901	37,111	36,824	37,319	38,149	38,973
Astronomy	1,119	1,191	1,211	1,233	1,232	1,275	1,409	1,331
Chemistry	20,776	21,101	21,351	21,424	21,298	21,574	22,094	22,436
Physics	13,298	13,472	13,722	13,845	13,816	13,862	14,060	14,507
Physical sciences, nec	568	611	617	609	478	608	586	699
Psychology <sup>b</sup>	54,126	57,282	57,653	60,284	59,617	58,991	56,184	53,419
Clinical psychology	13,771	14,283	13,947	14,517	14,495	13,691	13,113	12,155
Psychology, general	16,089	16,620	16,622	18,366	17,923	17,322	15,148	14,022
Psychology, nec	24,266	26,379	27,084	27,401	27,199	27,978	27,923	27,242
Social sciences	97,332	99,427	102,347	104,871	103,150	103,384	107,820	109,220
Agricultural economics	2,195	2,127	2,158	2,126	1,989	2,132	2,222	2,180
Anthropology (cultural/social)	7,826	7,750	8,150	8,099	8,129	8,333	8,359	8,528
Economics (except agricultural)	12,318	11,805	12,132	12,328	12,597	12,971	13,993	14,317
Geography	4,809	4,800	4,750	4,660	4,660	4,745	4,810	5,059
History and philosophy of science	994	965	968	1,119	1,054	1,177	1,006	705
Linguistics	2,941	3,187	3,074	3,076	2,879	3,095	3,170	3,132

TABLE 9. Graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Political science	39,023	40,780	41,784	41,854	41,349	40,871	43,919	45,045
Sociology	8,874	9,018	9,035	9,734	9,642	10,002	9,731	9,883
Sociology/anthropology	839	848	837	831	682	653	576	329
Social sciences, nec	17,513	18,147	19,459	21,044	20,169	19,405	20,034	20,042
Engineering	123,566	120,565	123,041	130,255	131,676	137,856	144,677	149,241
Aerospace engineering	4,089	4,170	4,482	4,616	4,616	4,902	5,266	5,540
Agricultural engineering	1,041	1,059	1,073	1,126	1,126	1,233	1,303	1,457
Architecture <sup>a</sup>	na	na	na	na	4,601	5,905	6,804	6,795
Biomedical engineering	5,807	6,067	6,482	6,881	6,904	7,339	7,904	8,497
Chemical engineering	7,452	7,173	7,261	7,383	7,584	7,892	8,188	8,668
Civil engineering <sup>a</sup>	18,561	18,114	17,802	19,867	16,071	16,931	18,638	19,559
Electrical engineering	38,995	37,450	38,265	40,207	40,588	41,164	41,218	41,336
Engineering science	2,198	1,951	2,046	1,843	1,806	2,099	2,168	2,071
Industrial engineering	13,852	13,650	13,829	14,290	14,474	15,692	15,825	15,205
Mechanical engineering	17,852	17,373	17,919	18,366	18,347	19,585	21,243	22,509
Metallurgical/materials engineering	5,059	5,160	5,268	5,365	5,314	5,539	5,863	6,274
Mining engineering	308	279	244	307	222	290	312	419
Nuclear engineering	971	1,013	1,099	1,208	1,180	1,201	1,243	1,459
Petroleum engineering	845	808	813	1,014	1,014	1,009	1,190	1,295
Engineering, nec	6,536	6,298	6,458	7,782	7,829	7,075	7,512	8,157
Health <sup>b</sup>	98,590	103,951	111,356	105,448	103,300	102,214	85,960	76,120
Clinical medicine	20,866	21,414	23,441	24,616	22,751	23,939	24,125	25,699
Anesthesiology	1,337	1,363	1,370	883	883	589	402	325
Cardiology	39	33	32	51	51	47	50	51
Endocrinology	63	56	42	40	40	64	50	53
Gastroenterology	16	7	18	28	28	15	15	7
Hematology	30	13	14	9	9	8	11	6
Neurology <sup>a</sup>	2,642	2,783	2,981	3,381	1,751	1,462	1,323	1,056
Obstetrics/gynecology	17	21	54	81	81	83	89	79
Oncology/cancer research	274	331	341	355	264	260	272	232
Ophthalmology	423	394	414	407	379	1	1	5
Otorhinolaryngology	12	12	14	15	15	14	4	4
Pediatrics	424	278	284	302	302	207	186	211
Preventive medicine/community health	12,335	12,605	14,320	15,561	16,209	17,901	18,797	20,445
Psychiatry	403	250	274	278	218	188	233	260
Pulmonary disease	7	27	10	24	24	13	13	12
Radiology	262	276	288	270	281	320	385	396
Surgery	75	88	105	47	31	31	40	59
Clinical medicine, nec	2,507	2,877	2,880	2,884	2,185	2,736	2,254	2,498
Other health <sup>b</sup>	77,724	82,537	87,915	80,832	80,549	78,275	61,835	50,421
Dental sciences	1,946	1,748	1,614	1,537	1,688	1,643	1,770	1,661
Nursing	29,781	31,670	35,846	31,747	31,803	30,471	21,355	12,107
Pharmaceutical sciences	5,218	6,091	6,315	4,964	5,066	4,251	4,443	4,291

TABLE 9. Graduate students in science, engineering, and health in all institutions, by detailed field: 2004–10

Field	2004	2005	2006	2007old <sup>a</sup>	2007new <sup>a</sup>	2008	2009	2010
Speech pathology/audiology	14,045	14,821	14,847	16,237	16,229	15,968	14,641	14,645
Veterinary sciences	1,732	1,970	2,067	2,020	2,371	2,478	2,170	2,211
Other health, nec	25,002	26,237	27,226	24,327	23,392	23,464	17,456	15,506

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.

<sup>a</sup> 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.

<sup>b</sup> 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.