

TABLE 12. First-time, full-time 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	106,544	110,219	116,482	120,236	122,449	130,635	134,756	136,487
Science and engineering	86,565	89,038	94,413	98,205	100,990	108,819	115,755	118,492
Science	64,540	66,665	68,537	70,387	72,725	78,227	83,252	84,689
Agricultural sciences	2,316	2,260	2,206	2,313	2,356	2,597	2,994	3,121
Biological sciences	12,796	12,918	13,055	13,485	13,749	14,528	15,443	16,038
Anatomy	180	213	213	252	194	146	181	154
Biochemistry	907	930	992	945	945	966	949	880
Biology	2,740	2,826	2,994	3,083	3,005	3,221	3,421	3,494
Biometry/epidemiology	986	1,069	974	1,126	1,171	1,147	1,198	1,510
Biophysics	210	174	186	197	183	199	161	190
Botany	336	316	318	333	331	304	340	339
Cell biology	1,140	1,208	1,294	1,249	1,254	1,372	1,461	1,500
Ecology	302	314	294	361	337	355	285	335
Entomology/parasitology	211	153	169	161	161	167	193	193
Genetics	441	365	348	330	319	370	405	402
Microbiology/immunology/virology	889	868	853	741	724	772	799	789
Nutrition	843	863	905	1,121	1,035	1,110	1,121	1,275
Pathology	277	248	269	257	266	321	266	230
Pharmacology	510	466	469	437	437	487	577	549
Physiology	731	678	597	603	669	690	751	727
Zoology	212	199	179	165	215	145	133	119
Biological sciences, nec	1,881	2,028	2,001	2,124	2,503	2,756	3,202	3,352
Communication <sup>a</sup>	ne	ne	ne	ne	1,531	1,912	2,119	2,089
Computer sciences	7,783	8,258	8,983	9,352	9,256	10,434	10,557	10,583
Earth, atmospheric, and ocean sciences	2,926	2,758	2,795	2,861	2,749	2,904	3,153	3,445
Atmospheric sciences	228	228	207	233	243	263	250	279
Geosciences	1,336	1,308	1,348	1,410	1,405	1,429	1,682	1,887
Oceanography	534	463	457	412	402	466	517	502
Earth/atmospheric/ocean sciences, nec	828	759	783	806	699	746	704	777
Family and consumer sciences/human sciences <sup>a</sup>	ne	ne	ne	ne	492	579	633	741
Mathematical sciences	4,252	4,196	4,342	4,595	4,432	4,591	4,888	5,193
Mathematics/applied mathematics	3,365	3,263	3,398	3,518	3,352	3,409	3,611	3,801
Statistics	887	933	944	1,077	1,080	1,182	1,277	1,392
Multidisciplinary/interdisciplinary studies <sup>a</sup>	ne	ne	ne	ne	771	1,140	1,412	1,759
Neuroscience <sup>a</sup>	na	na	na	na	273	304	395	505
Physical sciences	6,603	6,657	6,626	6,787	6,711	6,892	7,276	7,577
Astronomy	210	190	204	207	207	225	250	234
Chemistry	3,862	3,904	3,900	3,972	3,938	4,161	4,331	4,557
Physics	2,442	2,458	2,409	2,534	2,523	2,406	2,571	2,663
Physical sciences, nec	89	105	113	74	43	100	124	123
Psychology <sup>b</sup>	9,478	10,358	10,224	10,624	10,476	11,082	10,980	10,231
Clinical psychology	2,251	2,318	2,201	2,232	2,227	2,064	2,136	2,025
Psychology, general	2,946	3,385	3,374	3,536	3,438	3,635	3,300	3,024
Psychology, nec	4,281	4,655	4,649	4,856	4,811	5,383	5,544	5,182
Social sciences	18,386	19,260	20,306	20,370	19,929	21,264	23,402	23,407
Agricultural economics	523	557	543	516	491	573	610	510
Anthropology (cultural/social)	1,187	1,243	1,314	1,305	1,310	1,444	1,452	1,454
Economics (except agricultural)	2,686	2,724	2,907	3,108	3,179	3,263	3,855	3,926
Geography	860	898	845	897	897	1,013	1,017	1,042
History and philosophy of science	107	138	121	163	151	205	119	94
Linguistics	570	633	577	580	535	557	632	645
Political science	7,333	7,807	8,319	7,749	7,627	8,152	9,736	9,637
Sociology	1,359	1,499	1,353	1,647	1,610	1,795	1,671	1,685

TABLE 12. First-time, full-time 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
Sociology/anthropology	178	173	151	136	120	93	90	44
Social sciences, nec	3,583	3,588	4,176	4,269	4,009	4,169	4,220	4,370
Engineering	22,025	22,373	25,876	27,818	28,265	30,592	32,503	33,803
Aerospace engineering	834	804	943	962	962	1,116	1,176	1,196
Agricultural engineering	177	190	222	224	224	256	296	346
Architecture <sup>a</sup>	na	na	na	na	1,533	1,979	2,273	2,263
Biomedical engineering	1,274	1,267	1,472	1,559	1,565	1,648	1,833	2,011
Chemical engineering	1,392	1,293	1,429	1,532	1,566	1,713	1,910	2,047
Civil engineering <sup>a</sup>	4,175	4,057	4,198	4,926	3,662	4,073	4,878	5,079
Electrical engineering	6,633	6,987	8,668	8,887	8,920	9,042	8,831	9,237
Engineering science	361	317	321	331	339	398	309	356
Industrial engineering	1,724	1,674	2,148	2,445	2,626	3,015	2,908	2,783
Mechanical engineering	3,129	3,225	3,734	3,941	3,937	4,297	4,814	5,055
Metallurgical/materials engineering	926	992	1,043	1,089	1,086	1,170	1,302	1,431
Mining engineering	64	58	50	58	33	48	45	54
Nuclear engineering	192	193	206	239	237	259	265	330
Petroleum engineering	151	161	174	220	220	261	306	265
Engineering, nec	993	1,155	1,268	1,405	1,355	1,317	1,357	1,350
Health <sup>b</sup>	19,979	21,181	22,069	22,031	21,459	21,816	19,001	17,995
Clinical medicine	4,728	4,626	5,280	5,701	5,225	6,213	6,141	6,545
Anesthesiology	186	251	358	189	189	209	124	106
Cardiology	9	4	3	22	22	2	9	10
Endocrinology	4	10	7	7	7	20	8	7
Gastroenterology	4	3	0	0	0	3	1	2
Hematology	3	0	1	3	3	5	1	0
Neurology <sup>a</sup>	426	425	454	567	283	216	244	157
Obstetrics/gynecology	3	4	9	30	30	28	29	27
Oncology/cancer research	52	43	45	42	34	34	47	39
Ophthalmology	76	80	92	83	80	0	0	1
Otorhinolaryngology	1	0	0	2	2	0	0	2
Pediatrics	125	100	110	88	88	62	49	54
Preventive medicine/community health	3,132	2,894	3,355	3,784	3,839	4,771	4,898	5,311
Psychiatry	41	34	32	12	12	30	38	44
Pulmonary disease	0	0	0	1	1	3	0	0
Radiology	36	48	60	70	74	74	87	99
Surgery	7	5	11	5	4	4	6	21
Clinical medicine, nec	623	725	743	796	557	752	600	665
Other health <sup>b</sup>	15,251	16,555	16,789	16,330	16,234	15,603	12,860	11,450
Dental sciences	449	429	402	364	389	410	475	421
Nursing	3,352	3,948	3,944	3,953	3,950	3,584	2,315	1,386
Pharmaceutical sciences	1,024	1,246	1,036	712	732	691	756	662
Speech pathology/audiology	4,303	4,496	4,491	4,626	4,620	4,691	4,683	4,729
Veterinary sciences	324	343	378	478	524	439	342	334
Other health, nec	5,799	6,093	6,538	6,197	6,019	5,788	4,289	3,918

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.