

TABLE 37. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	307,417	306,695	313,597	319,245	331,967	354,843	371,636	376,664
Science and engineering	266,369	264,172	268,952	275,151	287,508	307,736	320,218	322,476
Science	202,049	200,262	202,450	204,502	211,829	224,498	232,683	237,775
Agricultural sciences	8,964	8,794	8,933	8,931	8,949	9,184	9,512	9,477
Biological sciences	45,091	45,186	45,370	45,363	46,666	50,052	52,501	54,040
Anatomy	797	733	708	752	675	865	829	821
Biochemistry	4,795	4,854	4,778	4,699	4,617	4,930	5,288	5,279
Biology	9,097	8,834	8,728	8,618	8,713	9,280	9,956	10,416
Biometry/epidemiology	1,993	2,566	2,642	2,562	2,736	3,012	3,208	3,218
Biophysics	728	707	681	719	837	896	968	1,115
Botany	1,800	1,799	1,757	1,700	1,716	1,789	1,730	1,653
Cell biology	3,966	4,026	4,243	4,384	4,498	4,928	5,184	5,345
Ecology	1,170	1,192	1,230	1,224	1,364	1,396	1,455	1,495
Entomology/parasitology	995	1,000	971	979	989	1,001	1,024	1,046
Genetics	1,632	1,596	1,633	1,597	1,686	1,770	1,927	1,998
Microbiology/immunology/virology	4,365	4,370	4,471	4,497	4,495	4,895	4,971	5,070
Nutrition	3,176	3,027	3,022	2,999	3,123	3,215	3,182	3,142
Pathology	1,420	1,339	1,364	1,293	1,350	1,340	1,319	1,350
Pharmacology	2,461	2,562	2,579	2,627	2,746	2,823	2,926	2,974
Physiology	2,102	1,990	1,876	1,856	1,811	1,917	2,059	2,126
Zoology	1,410	1,328	1,287	1,234	1,229	1,173	1,093	1,070
Biosciences, nec	3,184	3,263	3,400	3,623	4,081	4,822	5,382	5,922
Computer sciences	17,014	18,405	20,565	23,582	27,164	29,825	28,293	27,330
Earth, atmospheric, and ocean sciences	9,997	10,020	10,065	10,127	10,045	10,635	11,021	11,226
Atmospheric sciences	964	854	791	842	811	915	1,016	958
Geosciences	5,230	5,047	5,094	5,128	5,079	5,232	5,403	5,503
Oceanography	1,926	2,006	2,081	2,131	2,017	2,104	2,209	2,252
Earth/atmospheric/ocean sciences, nec	1,877	2,113	2,099	2,026	2,138	2,384	2,393	2,513
Mathematical sciences	11,745	11,288	11,364	11,353	12,016	13,116	13,953	14,300
Mathematics/applied mathematics	9,679	9,267	9,257	9,134	9,584	10,444	11,007	11,342
Statistics	2,066	2,021	2,107	2,219	2,432	2,672	2,946	2,958
Physical sciences	26,458	26,007	26,264	26,116	26,824	28,220	30,042	31,248
Astronomy	768	787	808	823	860	946	1,023	1,078
Chemistry	15,692	15,484	15,686	15,372	15,818	16,559	17,408	18,000
Physics	9,837	9,583	9,577	9,721	9,926	10,459	11,334	11,934
Physical sciences, nec	161	153	193	200	220	256	277	236
Psychology	30,318	29,956	29,589	29,461	29,155	29,306	30,326	32,087
Clinical psychology	9,081	9,045	9,220	9,151	9,054	8,802	8,968	9,353
Psychology, general	10,101	10,026	9,521	9,455	9,244	8,919	9,424	9,367
Psychology, nec	11,136	10,885	10,848	10,855	10,857	11,585	11,934	13,367
Social sciences	52,462	50,606	50,300	49,569	51,010	54,160	57,035	58,067
Agricultural economics	1,718	1,670	1,685	1,777	1,865	1,972	2,042	1,887
Anthropology (cultural/social)	5,636	5,563	5,631	5,473	5,470	5,625	5,776	5,669
Economics (except agricultural)	8,609	8,337	8,136	8,318	8,928	9,362	9,609	9,578
Geography	2,761	2,699	2,613	2,497	2,738	2,712	2,942	2,952
History and philosophy of science	377	385	412	373	372	364	378	426
Linguistics	2,332	2,196	2,107	2,037	2,088	2,134	2,257	2,251
Political science	15,786	15,102	15,062	14,906	15,118	16,976	18,224	19,300
Sociology	6,361	6,057	5,956	5,862	5,897	6,104	6,298	6,102
Sociology/anthropology	613	593	507	515	560	549	548	584
Social sciences, nec	8,269	8,004	8,191	7,811	7,974	8,362	8,961	9,318
Engineering	64,320	63,910	66,502	70,649	75,679	83,238	87,535	84,701
Aerospace engineering	2,505	2,544	2,623	2,740	2,799	2,970	3,206	3,190

TABLE 37. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
Agricultural engineering	748	756	767	706	758	769	870	808
Biomedical engineering	2,411	2,475	2,708	2,841	3,156	3,858	4,721	5,071
Chemical engineering	5,776	5,595	5,572	5,837	5,790	6,226	6,373	6,346
Civil engineering	11,090	10,813	10,931	11,526	11,845	12,718	13,443	13,347
Electrical engineering	18,505	19,009	19,923	22,189	24,442	27,262	27,680	25,783
Engineering science	1,016	1,111	1,027	1,086	1,207	1,424	1,751	1,712
Industrial engineering	4,977	4,748	5,362	5,927	6,369	6,995	6,879	6,352
Mechanical engineering	10,313	9,957	10,226	10,645	11,292	12,347	13,119	12,547
Metallurgical/materials engineering	3,660	3,694	3,534	3,578	3,960	4,227	4,375	4,338
Mining engineering	260	217	252	182	185	198	208	229
Nuclear engineering	708	662	641	660	651	655	752	809
Petroleum engineering	457	478	523	513	535	644	682	658
Engineering, nec	1,894	1,851	2,413	2,219	2,690	2,945	3,476	3,511
Health	41,048	42,523	44,645	44,094	44,459	47,107	51,418	54,188
Medical fields	9,753	10,640	11,259	10,781	11,415	12,751	14,115	14,340
Anesthesiology	568	591	575	561	588	556	715	728
Cardiology	32	36	62	53	50	42	30	79
Endocrinology	41	58	66	55	51	59	56	57
Gastroenterology	3	6	7	14	7	7	11	13
Hematology	3	1	3	6	6	8	25	24
Neurology	1,650	1,773	1,853	1,922	2,072	2,456	2,573	2,561
Obstetrics/gynecology	18	10	9	13	18	18	20	13
Oncology/cancer research	193	206	245	225	246	229	232	270
Ophthalmology	20	21	31	41	33	166	393	406
Otorhinolaryngology	2	0	3	8	4	8	9	6
Pediatrics	275	260	276	351	316	363	349	327
Preventive medicine/community health	5,701	6,496	6,849	6,190	6,423	6,958	7,509	7,533
Psychiatry	80	40	50	85	123	127	67	184
Pulmonary disease	0	0	6	7	8	4	10	7
Radiology	198	160	168	151	167	178	208	171
Surgery	157	109	113	128	97	65	67	59
Clinical medicine, nec	812	873	943	971	1,206	1,507	1,841	1,902
Other health	31,295	31,883	33,386	33,313	33,044	34,356	37,303	39,848
Dental sciences	1,290	1,284	1,226	1,301	1,322	1,317	1,514	1,494
Nursing	7,850	7,600	8,261	7,794	7,836	8,679	9,277	9,732
Pharmaceutical sciences	2,219	2,253	2,598	2,774	2,760	2,546	3,515	3,630
Speech pathology/audiology	7,503	7,631	7,975	8,062	7,806	7,853	8,153	8,536
Veterinary sciences	1,028	1,048	1,052	1,154	1,244	1,418	1,391	1,364
Health related, nec	11,405	12,067	12,274	12,228	12,076	12,543	13,453	15,092

nec = not elsewhere classified.

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