

TABLE 18. Full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	327,289	327,389	334,423	341,283	354,522	379,007	397,384	402,161
Science and engineering	280,669	278,943	283,893	291,355	304,021	325,517	339,028	340,615
Science	214,981	213,508	215,870	219,079	226,573	240,065	248,812	253,570
Agricultural sciences	9,362	9,199	9,371	9,357	9,405	9,685	10,003	10,040
Biological sciences	46,657	46,779	46,946	46,787	48,138	51,596	54,350	55,819
Anatomy	797	733	708	752	675	865	829	821
Biochemistry	4,811	4,881	4,800	4,715	4,642	4,941	5,326	5,318
Biology	10,318	10,031	9,904	9,674	9,788	10,401	11,176	11,535
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	1,802	1,803	1,758	1,705	1,720	1,791	1,730	1,653
Cell biology	3,980	4,055	4,273	4,422	4,540	4,974	5,220	5,395
Ecology	1,186	1,215	1,250	1,252	1,385	1,427	1,484	1,531
Entomology/parasitology	995	1,000	971	979	989	1,001	1,024	1,046
Genetics	1,678	1,638	1,680	1,649	1,743	1,828	1,983	2,047
Microbiology/immunology/virology	4,373	4,377	4,483	4,501	4,500	4,902	4,980	5,083
Nutrition	3,320	3,208	3,187	3,136	3,269	3,361	3,414	3,371
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	1,890	1,873	1,827	1,933	2,165	2,251
Zoology	1,417	1,334	1,291	1,236	1,231	1,175	1,094	1,072
Biosciences, nec	3,276	3,340	3,485	3,692	4,160	4,926	5,504	6,039
Computer sciences	18,335	19,972	22,687	26,558	30,087	32,579	30,708	29,281
Earth, atmospheric, and ocean sciences	10,510	10,444	10,484	10,558	10,504	11,116	11,497	11,685
Atmospheric sciences	966	856	793	844	812	920	1,019	963
Geosciences	5,413	5,212	5,238	5,258	5,222	5,437	5,574	5,712
Oceanography	1,973	2,048	2,123	2,164	2,058	2,134	2,259	2,284
Earth/atmospheric/ocean sciences, nec	2,158	2,328	2,330	2,292	2,412	2,625	2,645	2,726
Mathematical sciences	12,144	11,751	11,796	11,740	12,467	13,709	14,627	14,881
Mathematics/applied mathematics	10,064	9,722	9,675	9,510	10,024	11,001	11,622	11,880
Statistics	2,080	2,029	2,121	2,230	2,443	2,708	3,005	3,001
Physical sciences	26,882	26,391	26,635	26,492	27,179	28,619	30,441	31,686
Astronomy	768	787	808	823	860	946	1,023	1,078
Chemistry	15,992	15,777	15,959	15,649	16,078	16,830	17,694	18,311
Physics	9,923	9,661	9,660	9,809	10,007	10,559	11,430	12,028
Physical sciences, nec	199	166	208	211	234	284	294	269
Psychology	35,551	35,148	34,658	34,919	34,487	34,707	35,774	37,805
Clinical psychology	9,921	9,812	9,941	9,725	9,697	9,476	9,676	10,195
Psychology, general	12,347	12,173	11,546	11,613	11,280	10,769	11,515	11,776
Psychology, nec	13,283	13,163	13,171	13,581	13,510	14,462	14,583	15,834
Social sciences	55,540	53,824	53,293	52,668	54,306	58,054	61,412	62,373
Agricultural economics	1,718	1,670	1,685	1,780	1,869	1,974	2,043	1,888
Anthropology (cultural/social)	5,799	5,734	5,814	5,621	5,577	5,753	5,945	5,832
Economics (except agricultural)	8,813	8,564	8,390	8,630	9,200	9,713	10,018	9,969
Geography	2,967	2,908	2,786	2,662	2,913	2,913	3,145	3,172
History and philosophy of science	377	404	429	412	400	420	457	533
Linguistics	2,420	2,286	2,182	2,104	2,177	2,261	2,389	2,364
Political science	17,071	16,316	16,171	16,089	16,455	18,632	19,963	21,139
Sociology	6,717	6,460	6,278	6,111	6,147	6,435	6,683	6,428
Sociology/anthropology	666	615	518	524	578	557	559	598
Social sciences, nec	8,992	8,867	9,040	8,735	8,990	9,396	10,210	10,450
Engineering	65,688	65,435	68,023	72,276	77,448	85,452	90,216	87,045
Aerospace engineering	2,529	2,565	2,645	2,759	2,821	3,003	3,243	3,243

TABLE 18. Full-time graduate students in science, engineering, and health fields in all 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	2,462	2,513	2,742	2,874	3,189	3,882	4,747	5,103
Chemical engineering	5,821	5,630	5,593	5,861	5,829	6,279	6,414	6,379
Civil engineering	11,406	11,154	11,237	11,754	12,102	12,981	13,710	13,587
Electrical engineering	18,999	19,608	20,521	22,962	25,240	28,240	28,929	26,732
Engineering science	1,018	1,114	1,035	1,098	1,218	1,441	1,770	1,741
Industrial engineering	5,116	4,894	5,500	6,049	6,534	7,200	7,098	6,591
Mechanical engineering	10,432	10,073	10,331	10,795	11,436	12,512	13,356	12,787
Metallurgical/materials engineering	3,694	3,736	3,563	3,601	3,977	4,242	4,386	4,359
Mining engineering	269	226	258	191	194	207	219	238
Nuclear engineering	708	662	641	660	651	655	752	809
Petroleum engineering	461	481	535	519	538	649	684	660
Engineering, nec	2,025	2,023	2,655	2,447	2,961	3,392	4,038	4,008
Health	46,620	48,446	50,530	49,928	50,501	53,490	58,356	61,546
Medical fields	10,212	10,944	11,554	11,029	11,822	13,334	14,742	14,905
Anesthesiology	781	708	674	661	786	830	1,001	985
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	23	22	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	5,878	6,611	6,968	6,271	6,535	7,154	7,721	7,718
Psychiatry	94	47	55	89	124	138	77	200
Pulmonary disease	0	0	6	7	8	4	10	7
Radiology	199	162	170	155	171	179	208	184
Surgery	157	109	113	128	97	65	67	59
Clinical medicine, nec	863	935	1,013	1,030	1,298	1,608	1,960	1,996
Other health	36,408	37,502	38,976	38,899	38,679	40,156	43,614	46,641
Dental sciences	1,290	1,284	1,226	1,301	1,322	1,317	1,514	1,494
Nursing	9,035	9,053	9,469	8,957	9,120	10,001	10,832	11,454
Pharmaceutical sciences	2,225	2,258	2,609	2,776	2,763	2,546	3,515	3,630
Speech pathology/audiology	9,811	10,008	10,432	10,421	10,096	10,193	10,541	11,005
Veterinary sciences	1,028	1,048	1,052	1,154	1,244	1,418	1,391	1,364
Health related, nec	13,019	13,851	14,188	14,290	14,134	14,681	15,821	17,694

nec = not elsewhere classified.

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