

TABLE 22. Full-time graduate students with temporary visas 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	88,707	91,021	98,176	110,213	120,869	131,280	132,219	128,320
Science and engineering	84,695	86,998	93,817	105,682	115,796	125,272	126,040	122,349
Science	53,884	54,949	58,135	64,534	70,212	75,146	75,138	74,799
Agricultural sciences	2,411	2,284	2,195	2,098	2,227	2,322	2,350	2,412
Biological sciences	10,159	10,395	10,207	10,820	11,470	12,839	13,789	14,515
Anatomy	161	149	147	172	169	184	190	176
Biochemistry	1,370	1,402	1,387	1,542	1,519	1,679	1,845	1,904
Biology	1,764	1,785	1,714	1,775	1,904	2,168	2,292	2,438
Biometry/epidemiology	436	604	654	695	762	953	1,029	1,006
Biophysics	170	162	151	200	257	287	310	362
Botany	551	565	549	538	546	570	558	558
Cell biology	823	833	827	965	1,077	1,207	1,329	1,521
Ecology	133	135	156	161	173	191	221	228
Entomology/parasitology	259	266	278	265	247	256	271	285
Genetics	399	382	370	363	418	411	503	539
Microbiology/immunology/virology	939	904	900	892	968	1,160	1,122	1,196
Nutrition	960	925	893	944	1,014	1,026	1,045	981
Pathology	281	278	283	287	283	290	318	300
Pharmacology	541	562	552	611	620	653	741	780
Physiology	401	417	433	424	415	435	503	490
Zoology	177	160	132	164	182	199	162	173
Biosciences, nec	794	866	781	822	916	1,170	1,350	1,578
Computer sciences	9,757	10,930	12,748	16,928	19,923	20,660	17,964	16,482
Earth, atmospheric, and ocean sciences	2,221	2,186	2,216	2,403	2,472	2,537	2,513	2,556
Atmospheric sciences	281	234	257	283	266	292	267	251
Geosciences	1,178	1,119	1,110	1,182	1,235	1,264	1,315	1,328
Oceanography	471	483	463	489	477	453	465	480
Earth/atmospheric/ocean sciences, nec	291	350	386	449	494	528	466	497
Mathematical sciences	4,882	4,690	5,208	5,395	5,811	6,319	6,704	6,632
Mathematics/applied mathematics	3,960	3,788	4,084	4,144	4,328	4,688	4,868	4,845
Statistics	922	902	1,124	1,251	1,483	1,631	1,836	1,787
Physical sciences	10,077	9,923	10,335	10,891	11,460	12,383	13,206	13,533
Astronomy	184	206	234	259	271	295	317	361
Chemistry	5,591	5,546	5,627	5,745	6,162	6,836	7,271	7,411
Physics	4,257	4,120	4,405	4,812	4,937	5,167	5,540	5,705
Physical sciences, nec	45	51	69	75	90	85	78	56
Psychology	1,670	1,738	1,737	1,860	2,016	2,195	2,458	2,641
Clinical psychology	275	303	319	326	355	407	422	340
Psychology, general	579	584	599	719	784	851	980	1,253
Psychology, nec	816	851	819	815	877	937	1,056	1,048
Social sciences	12,707	12,803	13,489	14,139	14,833	15,891	16,154	16,028
Agricultural economics	821	786	807	904	950	975	1,019	903
Anthropology (cultural/social)	596	637	701	695	658	722	727	748
Economics (except agricultural)	4,773	4,651	4,916	5,227	5,700	6,006	6,053	5,951
Geography	442	492	497	541	629	633	652	660
History and philosophy of science	64	61	57	67	67	65	64	64
Linguistics	862	882	858	866	880	850	878	918
Political science	2,863	2,943	3,271	3,452	3,519	3,944	4,123	4,121
Sociology	990	942	1,013	1,078	1,069	1,157	1,200	1,134
Sociology/anthropology	73	87	63	67	72	60	64	75
Social sciences, nec	1,223	1,322	1,306	1,242	1,289	1,479	1,374	1,454
Engineering	30,811	32,049	35,682	41,148	45,584	50,126	50,902	47,550

TABLE 22. Full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
Aerospace engineering	1,202	1,297	1,367	1,401	1,537	1,569	1,563	1,548
Agricultural engineering	351	358	369	333	366	374	440	404
Biomedical engineering	652	659	799	877	1,054	1,426	1,763	1,788
Chemical engineering	2,540	2,571	2,767	3,069	3,199	3,405	3,479	3,308
Civil engineering	4,324	4,283	4,745	5,441	5,803	6,278	6,409	6,101
Electrical engineering	10,475	11,469	12,926	15,709	17,490	19,586	19,328	17,645
Engineering science	398	485	469	576	653	745	878	893
Industrial engineering	2,673	2,639	3,053	3,725	4,371	4,635	4,348	3,992
Mechanical engineering	4,841	4,861	5,324	6,181	6,641	7,326	7,495	6,899
Metallurgical/materials engineering	1,772	1,842	1,851	1,956	2,201	2,362	2,426	2,363
Mining engineering	106	56	90	97	94	94	101	103
Nuclear engineering	274	273	298	312	337	315	340	339
Petroleum engineering	381	419	449	330	340	410	590	541
Engineering, nec	822	837	1,175	1,141	1,498	1,601	1,742	1,626
Health	4,012	4,023	4,359	4,531	5,073	6,008	6,179	5,971
Medical fields	1,230	1,283	1,450	1,333	1,746	2,303	2,273	2,177
Anesthesiology	2	8	1	2	1	4	13	8
Cardiology	23	13	17	14	16	18	15	16
Endocrinology	19	17	17	13	18	18	24	19
Gastroenterology	3	0	0	1	1	1	2	0
Hematology	0	0	0	4	0	2	7	1
Neurology	213	238	261	315	357	422	486	520
Obstetrics/gynecology	0	0	1	1	0	2	5	4
Oncology/cancer research	34	31	49	40	47	40	33	45
Ophthalmology	6	15	16	16	9	42	18	23
Otorhinolaryngology	0	0	2	0	0	0	0	0
Pediatrics	24	23	23	32	37	51	41	42
Preventive medicine/community health	788	825	936	755	1,086	1,489	1,353	1,245
Psychiatry	15	1	3	2	1	4	9	13
Pulmonary disease	0	0	0	0	0	1	5	0
Radiology	38	29	29	27	33	50	62	57
Surgery	5	5	7	9	7	2	4	7
Clinical medicine, nec	60	78	88	102	133	157	196	177
Other health	2,782	2,740	2,909	3,198	3,327	3,705	3,906	3,794
Dental sciences	329	317	272	336	294	318	284	289
Nursing	305	306	352	337	316	398	462	388
Pharmaceutical sciences	1,062	1,048	1,054	1,195	1,238	1,313	1,431	1,343
Speech pathology/audiology	295	312	336	351	360	374	402	371
Veterinary sciences	286	259	285	307	326	337	349	341
Health related, nec	505	498	610	672	793	965	978	1,062

nec = not elsewhere classified.

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