

**Table 20. Full-time graduate science, engineering, and health students in
doctorate-granting institutions, by department and year: 1990-1999**

Field	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total, all departments	276,472	289,084	303,305	309,429	311,064	307,446	306,225	304,029	303,095	309,466
Biological sciences, total	39,640	41,337	42,911	44,787	46,346	46,597	46,027	45,232	45,296	45,442
Anatomy	880	919	922	938	947	930	977	968	893	871
Biochemistry	4,810	4,940	5,030	5,138	5,201	5,191	4,976	4,803	4,871	4,797
Biology	8,078	8,342	8,508	8,734	8,799	8,665	8,669	8,922	8,695	8,565
Biometry/epidemiology	1,231	1,431	1,634	1,990	2,056	2,093	2,162	2,005	2,559	2,604
Biophysics	605	679	728	755	770	800	807	728	707	681
Botany	2,341	2,286	2,279	2,351	2,345	2,146	2,128	2,049	1,989	1,949
Cell biology	2,516	2,758	2,999	3,225	3,628	3,740	3,734	3,714	3,797	4,009
Ecology	878	908	976	1,040	1,187	1,276	1,239	1,156	1,179	1,220
Entomology/parasitology	997	1,014	1,016	1,039	1,066	1,041	1,027	995	1,000	971
Genetics	1,255	1,371	1,488	1,640	1,553	1,572	1,605	1,620	1,579	1,620
Microbiology	4,361	4,401	4,445	4,600	4,698	4,666	4,531	4,408	4,448	4,542
Nutrition	2,773	2,823	2,776	2,918	3,078	3,280	3,302	3,137	2,984	2,986
Pathology	1,055	1,085	1,138	1,264	1,359	1,350	1,339	1,418	1,327	1,351
Pharmacology	2,222	2,304	2,400	2,505	2,681	2,539	2,510	2,461	2,550	2,551
Physiology	2,076	2,163	2,160	2,220	2,221	2,376	2,217	2,102	1,990	1,876
Zoology	1,671	1,760	1,768	1,743	1,712	1,741	1,625	1,513	1,418	1,378
Biosciences, n.e.c.	1,891	2,153	2,644	2,687	3,045	3,191	3,179	3,233	3,310	3,471
Health sciences, total	25,135	26,969	28,962	31,789	34,449	36,836	38,646	40,239	41,618	43,599
Clinical medicine, total	6,732	7,029	7,730	8,547	8,940	9,516	9,498	9,690	10,585	11,172
Anesthesiology	297	385	449	473	435	458	577	568	591	576
Cancer/oncology	110	154	193	203	200	180	182	193	206	245
Cardiology	0	2	8	11	14	19	18	32	36	62
Endocrinology	73	64	70	62	62	51	46	41	58	66
Gastroenterology	1	0	0	1	0	0	0	3	6	7
Hematology	4	4	5	3	2	1	3	3	1	3
Neurology	822	975	1,104	1,253	1,407	1,494	1,578	1,629	1,748	1,834
Obstetrics/gynecology	5	10	3	3	4	6	4	18	10	9
Ophthalmology	21	20	16	13	24	24	19	23	22	31
Otorhinolaryngology	4	3	0	1	2	0	0	2	0	3
Pediatrics/child health	114	118	129	161	225	205	220	275	260	276
Preventive medicine/ community health	4,462	4,372	4,753	5,246	5,343	5,851	5,686	5,651	6,463	6,770
Psychiatry	68	38	44	50	91	96	70	80	40	50
Pulmonary disease	0	0	0	0	0	0	0	0	0	6
Radiology	159	169	189	232	256	225	189	198	160	168
Surgery	60	69	73	79	107	160	157	157	109	113
Clinical medicine, n.e.c.	532	646	694	756	768	746	749	817	875	953
Other health related, total	18,403	19,940	21,232	23,242	25,509	27,320	29,148	30,549	31,033	32,427
Dentistry	827	875	988	1,003	1,048	1,096	1,116	1,235	1,219	1,161
Nursing	5,622	5,748	5,703	6,079	6,887	7,330	7,345	7,664	7,439	8,065
Pharmaceutical sciences	2,148	2,198	2,063	2,119	2,175	2,138	2,214	2,219	2,197	2,521
Speech pathology/audiology	4,693	5,167	5,744	6,329	6,722	6,748	7,183	7,422	7,532	7,791
Veterinary sciences	698	706	743	673	679	719	722	972	958	957
Health related, n.e.c.	4,415	5,246	5,991	7,039	7,998	9,289	10,568	11,037	11,688	11,932
Psychology	25,864	26,892	28,151	28,696	28,938	28,829	29,141	29,356	28,898	28,615
Clinical	6,513	7,114	7,541	7,977	7,998	8,214	8,757	8,989	8,961	9,089
Nonclinical	8,608	9,507	10,217	10,771	11,160	11,019	11,389	10,957	10,600	10,571
Psychology, n.e.c.	10,743	10,271	10,393	9,948	9,780	9,596	8,995	9,410	9,337	8,955
Social sciences (except psychology)	45,786	47,620	50,985	52,315	52,903	52,682	53,324	51,792	50,027	49,482
Engineering	64,188	69,231	72,463	71,909	69,737	66,058	64,279	64,075	63,627	66,083
Biomedical engineering	1,761	1,900	2,138	2,234	2,246	2,277	2,281	2,411	2,475	2,708
Other engineering	62,427	67,331	70,325	69,675	67,491	63,781	61,998	61,664	61,152	63,375
Physical sciences	28,909	29,510	30,128	30,025	29,463	28,289	27,373	26,319	25,909	26,159
Chemistry	16,018	16,374	16,692	16,837	16,749	16,351	16,089	15,594	15,430	15,615
Physics	12,000	12,218	12,468	12,197	11,565	10,873	10,257	9,808	9,552	9,556
Other physical sciences	891	918	968	991	1,149	1,065	1,027	917	927	988
Environmental sciences	9,879	9,957	10,535	10,878	10,951	10,782	10,311	9,987	9,992	10,057
Mathematical and computer sciences	28,323	28,695	30,061	29,928	29,145	28,217	28,242	28,352	29,199	31,361
Agricultural sciences	8,748	8,873	9,109	9,102	9,132	9,156	8,882	8,677	8,529	8,668

SOURCE: NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering