

**Table 27. Full-time graduate science, engineering, and health first-time 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	81,119	86,016	88,074	84,925	84,347	81,526	80,742	80,918	82,995	84,372
Biological sciences, total	9,732	10,141	10,282	10,465	10,724	10,777	10,213	10,482	10,855	10,448
Anatomy	193	234	220	188	214	235	242	199	196	175
Biochemistry	1,019	1,028	1,024	1,069	1,028	973	945	986	1,015	890
Biology	2,130	2,283	2,306	2,255	2,234	2,227	2,074	2,205	2,083	2,069
Biometry/epidemiology	440	461	603	667	657	738	671	661	813	801
Biophysics	129	157	145	143	149	153	155	133	158	118
Botany	502	540	539	516	481	443	441	414	448	403
Cell biology	573	622	666	706	767	732	761	811	869	826
Ecology	182	186	201	241	275	293	244	241	245	241
Entomology/parasitology	220	230	216	239	206	184	202	194	233	179
Genetics	269	294	272	318	319	319	362	390	373	402
Microbiology	950	895	865	844	903	906	845	870	871	909
Nutrition	822	800	736	794	745	807	767	738	884	788
Pathology	232	264	252	307	318	289	291	350	279	319
Pharmacology	538	542	553	516	533	500	422	458	510	484
Physiology	645	596	589	616	649	811	725	633	654	608
Zoology	403	450	392	379	348	356	327	321	277	280
Biosciences, n.e.c.	485	559	703	667	898	811	739	878	947	956
Health sciences, total	9,888	10,493	11,367	11,887	12,459	13,168	13,413	13,365	14,268	14,439
Clinical medicine, total	2,859	2,853	3,120	3,231	3,193	3,640	3,433	3,351	3,778	3,771
Anesthesiology	141	233	245	215	186	181	204	214	183	185
Cancer/oncology	34	40	38	35	34	34	21	32	50	44
Cardiology	0	2	7	3	3	4	1	4	6	7
Endocrinology	16	6	8	10	10	4	4	6	6	7
Gastroenterology	0	0	0	0	0	0	0	0	0	0
Hematology	2	2	3	1	0	0	3	1	1	2
Neurology	202	218	251	262	292	319	355	343	370	341
Obstetrics/gynecology	1	1	1	1	0	4	1	3	1	0
Ophthalmology	5	8	4	2	8	6	12	5	4	2
Otorhinolaryngology	2	0	0	0	2	0	0	0	0	0
Pediatrics/child health	71	68	68	73	83	82	101	141	111	114
Preventive medicine/ community health	2,134	1,918	2,126	2,253	2,172	2,565	2,264	2,110	2,609	2,677
Psychiatry	27	10	6	13	24	24	23	25	13	16
Pulmonary disease	0	0	0	0	0	0	0	0	0	3
Radiology	43	74	68	89	86	64	63	46	47	41
Surgery	18	23	20	20	20	45	57	48	36	40
Clinical medicine, n.e.c.	163	250	275	254	273	308	324	373	341	292
Other health related, total	7,029	7,640	8,247	8,656	9,266	9,528	9,980	10,014	10,490	10,668
Dentistry	332	339	410	419	405	373	386	377	393	327
Nursing	2,060	2,176	2,122	2,149	2,285	2,377	2,305	2,499	2,422	2,535
Pharmaceutical sciences	538	557	474	476	482	457	519	480	532	586
Speech pathology/audiology	2,003	2,326	2,569	2,577	2,741	2,679	2,961	2,902	3,061	3,042
Veterinary sciences	172	150	153	134	157	154	116	126	182	152
Health related, n.e.c.	1,924	2,092	2,519	2,901	3,196	3,488	3,693	3,630	3,900	4,026
Psychology	6,999	7,230	7,745	7,232	7,034	6,841	6,763	6,538	6,516	6,489
Clinical	1,628	1,766	1,903	1,888	1,884	1,751	1,783	1,723	1,784	1,796
Nonclinical	2,621	2,835	3,091	2,967	2,869	2,880	2,945	2,804	2,749	2,753
Psychology, n.e.c.	2,750	2,629	2,751	2,377	2,281	2,210	2,035	2,011	1,983	1,940
Social sciences (except psychology)	14,677	15,167	16,361	16,042	15,641	14,809	14,980	14,241	13,687	13,507
Engineering	19,557	21,895	21,441	19,710	19,128	17,509	17,389	18,283	18,721	19,971
Biomedical engineering	475	516	589	586	545	576	556	646	677	720
Other engineering	19,082	21,379	20,852	19,124	18,583	16,933	16,833	17,637	18,044	19,251
Physical sciences	6,584	6,873	6,701	6,482	6,253	5,930	5,789	5,854	5,779	5,818
Chemistry	3,674	3,948	3,794	3,709	3,686	3,574	3,561	3,625	3,564	3,540
Physics	2,698	2,728	2,684	2,570	2,310	2,133	2,011	2,043	2,020	2,032
Other physical sciences	212	197	223	203	257	223	217	186	195	246
Environmental sciences	2,563	2,730	2,843	2,785	2,834	2,627	2,434	2,524	2,718	2,570
Mathematical and computer sciences	8,789	9,183	9,243	8,135	8,090	7,783	7,775	7,650	8,360	9,075
Agricultural sciences	2,330	2,304	2,091	2,187	2,184	2,082	1,986	1,981	2,091	2,055

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