

TABLE 10. 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	487,208	485,627	493,256	493,311	509,620	540,433	567,134	574,334
Science and engineering	407,630	404,856	411,182	413,536	429,242	454,892	474,694	476,331
Science	306,482	304,818	309,491	309,424	319,749	335,224	347,317	352,630
Agricultural sciences	12,203	12,168	12,312	12,023	12,235	12,698	13,197	13,445
Biological sciences	56,705	56,695	56,959	56,282	57,639	61,133	64,701	66,520
Anatomy	856	785	749	795	735	951	908	917
Biochemistry	5,102	5,148	5,101	4,966	4,917	5,190	5,552	5,612
Biology	14,646	14,277	13,989	13,407	13,352	13,822	14,770	15,438
Biometry/epidemiology	2,896	3,514	3,704	3,615	3,817	4,071	4,439	4,674
Biophysics	748	737	710	751	877	953	1,032	1,180
Botany	2,082	2,042	1,974	1,904	1,921	1,973	1,901	1,831
Cell biology	4,300	4,379	4,637	4,820	4,911	5,375	5,689	5,830
Ecology	1,640	1,670	1,704	1,762	1,888	1,967	2,230	2,185
Entomology/parasitology	1,161	1,168	1,145	1,104	1,170	1,191	1,206	1,241
Genetics	1,776	1,727	1,783	1,712	1,841	1,909	2,073	2,129
Microbiology/immunology/virology	4,805	4,773	4,815	4,814	4,798	5,208	5,256	5,375
Nutrition	4,604	4,486	4,508	4,413	4,429	4,539	4,695	4,726
Pathology	1,674	1,580	1,580	1,531	1,637	1,613	1,541	1,540
Pharmacology	2,597	2,730	2,757	2,963	3,140	3,234	3,357	3,122
Physiology	2,298	2,151	2,083	2,015	1,967	2,076	2,328	2,441
Zoology	1,627	1,586	1,523	1,445	1,411	1,349	1,301	1,236
Biosciences, nec	3,893	3,942	4,197	4,265	4,828	5,712	6,423	7,043
Computer sciences	35,991	38,027	42,478	47,350	52,196	55,269	53,696	50,331
Earth, atmospheric, and ocean sciences	14,548	14,258	14,083	13,941	13,841	14,240	14,620	15,110
Atmospheric sciences	1,092	965	913	963	924	1,036	1,150	1,086
Geosciences	6,959	6,687	6,637	6,596	6,544	6,712	6,889	7,337
Oceanography	2,479	2,562	2,624	2,668	2,585	2,618	2,695	2,801
Earth/atmospheric/ocean sciences, nec	4,018	4,044	3,909	3,714	3,788	3,874	3,886	3,886
Mathematical sciences	16,719	16,485	16,257	15,650	16,651	18,163	19,465	19,873
Mathematics/applied mathematics	14,027	13,827	13,521	12,823	13,569	14,702	15,569	15,885
Statistics	2,692	2,658	2,736	2,827	3,082	3,461	3,896	3,988
Physical sciences	31,105	30,575	30,691	30,385	31,038	32,341	34,298	35,772
Astronomy	778	820	832	888	916	990	1,080	1,119
Chemistry	18,774	18,482	18,416	18,105	18,366	19,045	20,049	20,776
Physics	11,147	10,809	10,869	10,841	11,248	11,701	12,555	13,309
Physical sciences, nec	406	464	574	551	508	605	614	568
Psychology	53,126	52,557	51,727	50,466	50,467	51,165	52,211	54,052
Clinical psychology	13,098	12,733	12,798	12,488	12,488	12,609	13,118	13,671
Psychology, general	17,249	17,098	16,238	15,624	15,837	15,159	15,580	16,276
Psychology, nec	22,779	22,726	22,691	22,354	22,142	23,397	23,513	24,105
Social sciences	86,085	84,053	84,984	83,327	85,682	90,215	95,129	97,527
Agricultural economics	2,043	1,995	2,014	2,079	2,161	2,187	2,318	2,195
Anthropology (cultural/social)	7,560	7,577	7,633	7,626	7,491	7,481	7,789	7,826
Economics (except agricultural)	11,097	10,701	10,562	10,748	11,408	12,009	12,316	12,250
Geography	4,287	4,326	4,250	4,036	4,304	4,383	4,721	4,809
History and philosophy of science	443	508	557	532	571	663	737	994
Linguistics	3,068	2,935	2,799	2,674	2,744	2,875	3,028	2,941
Political science	32,083	30,828	31,372	31,131	31,805	34,934	36,880	39,238
Sociology	9,413	9,058	8,966	8,652	8,812	8,946	9,127	8,895
Sociology/anthropology	948	857	741	745	808	719	773	839
Social sciences, nec	15,143	15,268	16,090	15,104	15,578	16,018	17,440	17,540
Engineering	101,148	100,038	101,691	104,112	109,493	119,668	127,377	123,701
Aerospace engineering	3,083	3,137	3,349	3,407	3,451	3,685	4,048	4,089

TABLE 10. 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	941	925	934	899	907	912	1,012	998
Biomedical engineering	2,847	2,905	3,121	3,241	3,639	4,378	5,347	5,892
Chemical engineering	7,288	7,093	6,883	7,056	6,913	7,414	7,516	7,452
Civil engineering	17,193	16,517	16,226	16,451	16,665	17,713	18,890	18,560
Electrical engineering	30,787	31,384	31,822	33,611	36,100	39,948	41,763	38,995
Engineering science	1,647	1,701	1,627	1,632	1,798	2,121	2,240	2,198
Industrial engineering	11,957	11,221	11,803	12,119	12,940	14,033	14,313	13,852
Mechanical engineering	15,045	14,696	14,956	15,235	15,852	17,139	18,393	17,946
Metallurgical/materials engineering	4,688	4,680	4,481	4,377	4,721	4,992	5,131	5,059
Mining engineering	348	304	328	287	240	267	278	308
Nuclear engineering	868	821	830	792	801	795	885	971
Petroleum engineering	561	571	642	627	656	766	849	845
Engineering, nec	3,895	4,083	4,689	4,378	4,810	5,505	6,712	6,536
Health	79,578	80,771	82,074	79,775	80,378	85,541	92,440	98,003
Medical fields	15,470	16,643	17,276	16,407	17,363	19,166	20,574	20,883
Anesthesiology	840	907	897	863	917	1,011	1,216	1,222
Cardiology	33	36	63	53	50	43	36	79
Endocrinology	43	58	67	57	53	60	80	63
Gastroenterology	3	6	7	14	7	7	11	16
Hematology	3	1	5	6	6	13	25	30
Neurology	1,717	1,825	1,907	1,982	2,136	2,513	2,665	2,642
Obstetrics/gynecology	18	13	16	16	28	23	28	17
Oncology/cancer research	198	209	250	239	261	231	234	274
Ophthalmology	33	38	49	58	46	181	413	423
Otorhinolaryngology	2	0	3	9	4	8	9	12
Pediatrics	342	328	316	403	380	463	429	424
Preventive medicine/community health	10,448	11,494	11,907	10,757	11,038	11,821	12,312	12,402
Psychiatry	228	136	119	184	266	364	277	403
Pulmonary disease	0	0	6	7	8	5	14	7
Radiology	267	249	229	232	262	258	302	275
Surgery	171	122	122	147	130	86	84	75
Clinical medicine, nec	1,124	1,221	1,313	1,380	1,771	2,079	2,439	2,519
Other health	64,108	64,128	64,798	63,368	63,015	66,375	71,866	77,120
Dental sciences	1,491	1,518	1,467	1,430	1,494	1,446	1,654	1,697
Nursing	26,861	25,591	25,074	23,457	23,609	24,715	26,649	29,325
Pharmaceutical sciences	2,710	2,882	3,422	3,611	3,679	4,538	5,493	5,220
Speech pathology/audiology	13,212	13,198	13,600	13,636	13,193	13,368	13,694	14,291
Veterinary sciences	1,224	1,288	1,314	1,367	1,476	1,691	1,719	1,732
Health related, nec	18,610	19,651	19,921	19,867	19,564	20,617	22,657	24,855

nec = not elsewhere classified.

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