

TABLE 16. Graduate students in science, engineering, and health fields in public institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	340,187	338,608	344,372	346,658	359,608	384,649	406,741	405,522
Science and engineering	282,596	280,579	285,028	288,310	300,953	322,226	339,157	336,030
Science	211,276	210,033	212,909	213,082	221,321	233,216	243,839	244,764
Agricultural sciences	11,740	11,678	11,842	11,517	11,681	12,093	12,508	12,766
Biological sciences	40,651	40,738	40,685	40,224	41,069	43,435	46,436	46,791
Anatomy	659	584	562	591	552	700	643	631
Biochemistry	3,610	3,633	3,585	3,516	3,513	3,646	3,951	3,894
Biology	10,820	10,564	10,459	10,096	10,071	10,468	11,245	11,627
Biometry/epidemiology	1,718	2,143	2,200	2,192	2,356	2,635	2,856	2,724
Biophysics	419	417	416	449	533	613	680	732
Botany	1,938	1,903	1,832	1,811	1,834	1,907	1,827	1,759
Cell biology	2,559	2,709	2,849	3,013	3,118	3,427	3,649	3,684
Ecology	1,494	1,526	1,526	1,582	1,678	1,683	1,952	1,933
Entomology/parasitology	1,101	1,109	1,087	1,055	1,119	1,138	1,158	1,197
Genetics	1,160	1,097	1,124	1,064	1,136	1,129	1,272	1,247
Microbiology/immunology/virology	3,317	3,258	3,220	3,206	3,195	3,395	3,383	3,398
Nutrition	3,686	3,676	3,650	3,447	3,445	3,451	3,655	3,704
Pathology	1,063	1,074	1,053	1,015	1,033	984	995	998
Pharmacology	1,750	1,829	1,848	2,058	2,039	2,070	2,283	2,025
Physiology	1,373	1,341	1,324	1,197	1,134	1,202	1,397	1,475
Zoology	1,556	1,522	1,461	1,406	1,354	1,287	1,244	1,204
Biosciences, nec	2,428	2,353	2,489	2,526	2,959	3,700	4,246	4,559
Computer sciences	22,195	23,601	26,530	29,276	32,262	34,798	34,754	31,923
Earth, atmospheric, and ocean sciences	12,329	12,049	11,866	11,793	11,649	11,991	12,368	12,745
Atmospheric sciences	1,068	942	896	938	897	1,000	1,114	1,042
Geosciences	5,764	5,501	5,478	5,458	5,390	5,535	5,736	6,110
Oceanography	2,088	2,179	2,217	2,265	2,222	2,224	2,276	2,372
Earth/atmospheric/ocean sciences, nec	3,409	3,427	3,275	3,132	3,140	3,232	3,242	3,221
Mathematical sciences	12,725	12,520	12,355	12,286	13,185	14,400	15,546	15,691
Mathematics/applied mathematics	10,541	10,413	10,138	10,074	10,767	11,634	12,416	12,494
Statistics	2,184	2,107	2,217	2,212	2,418	2,766	3,130	3,197
Physical sciences	22,748	22,559	22,544	22,436	22,880	23,950	25,340	26,522
Astronomy	471	509	511	542	538	566	637	663
Chemistry	13,847	13,769	13,607	13,476	13,641	14,165	14,859	15,436
Physics	8,041	7,842	7,860	7,876	8,206	8,634	9,237	9,862
Physical sciences, nec	389	439	566	542	495	585	607	561
Psychology	28,497	28,101	27,479	26,722	27,318	28,232	28,817	28,711
Clinical psychology	4,051	3,900	3,910	3,860	3,837	3,948	3,957	3,908
Psychology, general	11,563	11,263	10,684	10,221	10,221	10,273	11,065	11,026
Psychology, nec	12,883	12,938	12,885	12,641	13,260	14,011	13,795	13,777
Social sciences	60,391	58,787	59,608	58,828	61,277	64,317	68,070	69,615
Agricultural economics	1,973	1,928	1,949	2,019	2,099	2,126	2,246	2,110
Anthropology (cultural/social)	5,494	5,514	5,640	5,642	5,547	5,552	5,879	5,959
Economics (except agricultural)	7,253	6,896	6,923	6,990	7,480	8,111	8,445	8,546
Geography	3,994	4,018	3,925	3,715	4,002	4,107	4,422	4,513
History and philosophy of science	222	281	350	332	373	449	508	756
Linguistics	2,228	2,149	2,063	1,979	2,044	2,197	2,324	2,295
Political science	20,340	19,373	20,067	19,850	20,737	22,370	23,693	24,927
Sociology	7,210	7,066	6,842	6,618	6,815	6,950	7,063	6,929
Sociology/anthropology	779	693	616	610	633	601	639	704
Social sciences, nec	10,898	10,869	11,233	11,073	11,547	11,854	12,851	12,876
Engineering	71,320	70,546	72,119	75,228	79,632	89,010	95,318	91,266
Aerospace engineering	2,332	2,311	2,339	2,385	2,415	2,644	2,908	2,995

TABLE 16. Graduate students in science, engineering, and health fields in public institutions, by detailed field: 1997–2004

Field	1997	1998	1999	2000	2001	2002	2003	2004
Agricultural engineering	893	880	888	845	839	848	947	936
Biomedical engineering	1,844	1,842	1,991	2,048	2,198	2,772	3,544	3,753
Chemical engineering	5,214	5,089	4,887	5,088	4,911	5,414	5,519	5,422
Civil engineering	13,200	12,651	12,695	12,965	13,271	14,097	15,266	14,966
Electrical engineering	20,131	20,225	21,170	23,130	25,158	28,764	30,365	27,945
Engineering science	1,122	1,069	1,110	1,000	1,096	1,234	1,482	1,362
Industrial engineering	7,779	7,682	7,967	8,469	9,112	10,050	9,798	9,223
Mechanical engineering	11,166	11,117	11,235	11,617	12,120	13,537	14,342	13,627
Metallurgical/materials engineering	3,280	3,227	3,108	3,147	3,453	3,703	3,803	3,802
Mining engineering	248	211	222	275	235	263	273	308
Nuclear engineering	751	715	716	672	691	686	773	872
Petroleum engineering	446	463	543	531	538	638	729	708
Engineering, nec	2,914	3,064	3,248	3,056	3,595	4,360	5,569	5,347
Health	57,591	58,029	59,344	58,348	58,655	62,423	67,584	69,492
Medical fields	9,770	10,172	10,611	10,417	10,910	12,019	12,791	12,711
Anesthesiology	285	325	303	352	405	510	619	655
Cardiology	10	10	34	26	25	16	9	0
Endocrinology	43	58	67	57	53	58	78	62
Gastroenterology	3	6	7	14	7	7	11	16
Hematology	3	1	5	6	6	7	13	23
Neurology	819	889	999	1,073	1,173	1,430	1,540	1,419
Obstetrics/gynecology	5	8	13	8	20	13	13	3
Oncology/cancer research	123	139	145	143	146	123	116	137
Ophthalmology	30	31	49	58	46	178	399	404
Otorhinolaryngology	2	0	3	6	4	8	9	12
Pediatrics	241	226	243	257	287	362	361	355
Preventive medicine/community health	7,000	7,343	7,534	7,052	7,191	7,551	7,753	7,613
Psychiatry	101	64	58	78	189	267	232	357
Pulmonary disease	0	0	1	1	1	5	14	6
Radiology	209	206	177	190	217	216	237	236
Surgery	168	118	118	139	122	78	75	68
Clinical medicine, nec	728	748	855	957	1,018	1,190	1,312	1,345
Other health	47,821	47,857	48,733	47,931	47,745	50,404	54,793	56,781
Dental sciences	1,170	1,204	1,199	1,213	1,239	1,205	1,365	1,361
Nursing	21,139	20,424	19,979	18,857	18,965	19,837	21,464	23,095
Pharmaceutical sciences	2,163	2,202	2,672	2,949	2,972	3,707	4,517	3,966
Speech pathology/audiology	11,063	10,887	11,342	11,298	10,915	10,662	10,821	11,042
Veterinary sciences	1,172	1,235	1,267	1,322	1,430	1,638	1,667	1,674
Health related, nec	11,114	11,905	12,274	12,292	12,224	13,355	14,959	15,643

nec = not elsewhere classified.

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