

TABLE 19. Male full-time 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	183,392	180,993	182,940	186,261	193,465	206,169	214,034	212,803
Science and engineering	170,168	167,320	169,055	172,783	179,863	191,838	198,485	196,910
Science	116,988	114,712	114,555	115,359	118,608	124,803	128,345	129,721
Agricultural sciences	5,734	5,507	5,486	5,298	5,201	5,253	5,360	5,304
Biological sciences	23,819	23,487	23,097	22,604	22,707	23,848	24,684	24,936
Anatomy	438	410	385	398	358	440	408	400
Biochemistry	2,765	2,780	2,692	2,613	2,546	2,644	2,847	2,820
Biology	5,305	5,097	4,961	4,791	4,647	4,892	5,103	5,187
Biometry/epidemiology	779	1,007	986	934	982	1,074	1,164	1,190
Biophysics	517	509	479	500	586	599	647	706
Botany	938	909	883	826	853	856	817	766
Cell biology	2,152	2,126	2,153	2,200	2,264	2,429	2,509	2,568
Ecology	610	613	599	592	653	649	666	682
Entomology/parasitology	636	645	619	583	571	575	560	564
Genetics	779	718	736	714	751	773	826	814
Microbiology/immunology/virology	2,220	2,218	2,221	2,240	2,154	2,287	2,212	2,197
Nutrition	879	852	802	787	779	786	787	751
Pathology	727	666	669	590	611	597	544	557
Pharmacology	1,293	1,317	1,316	1,310	1,308	1,291	1,353	1,360
Physiology	1,243	1,182	1,087	1,055	986	1,000	1,104	1,097
Zoology	805	731	720	673	647	613	549	518
Biosciences, nec	1,733	1,707	1,789	1,798	2,011	2,343	2,588	2,759
Computer sciences	13,536	14,520	16,313	19,098	21,776	23,743	22,858	22,057
Earth, atmospheric, and ocean sciences	6,650	6,374	6,171	6,119	5,936	6,194	6,314	6,329
Atmospheric sciences	729	641	567	599	539	618	682	642
Geosciences	3,611	3,388	3,312	3,266	3,183	3,268	3,283	3,313
Oceanography	1,152	1,129	1,122	1,109	1,042	1,074	1,096	1,069
Earth/atmospheric/ocean sciences, nec	1,158	1,216	1,170	1,145	1,172	1,234	1,253	1,305
Mathematical sciences	8,171	7,797	7,662	7,669	8,085	8,807	9,488	9,704
Mathematics/applied mathematics	6,920	6,601	6,474	6,454	6,811	7,414	7,957	8,132
Statistics	1,251	1,196	1,188	1,215	1,274	1,393	1,531	1,572
Physical sciences	19,454	19,034	19,065	18,750	19,093	19,816	21,014	21,802
Astronomy	564	566	590	573	607	654	692	733
Chemistry	10,384	10,278	10,315	9,921	10,155	10,420	10,852	11,128
Physics	8,386	8,086	8,024	8,114	8,184	8,577	9,286	9,787
Physical sciences, nec	120	104	136	142	147	165	184	154
Psychology	10,833	10,509	10,073	9,841	9,303	9,303	9,414	9,975
Clinical psychology	2,944	2,812	2,795	2,557	2,452	2,344	2,313	2,349
Psychology, general	3,966	3,891	3,537	3,540	3,288	3,246	3,459	3,692
Psychology, nec	3,923	3,806	3,741	3,744	3,563	3,713	3,642	3,934
Social sciences	28,791	27,484	26,688	25,980	26,507	27,839	29,213	29,614
Agricultural economics	1,135	1,103	1,091	1,100	1,143	1,212	1,231	1,150
Anthropology (cultural/social)	2,368	2,292	2,295	2,184	2,209	2,189	2,234	2,122
Economics (except agricultural)	6,068	5,844	5,655	5,692	5,991	6,246	6,395	6,341
Geography	1,828	1,762	1,636	1,581	1,684	1,684	1,774	1,851
History and philosophy of science	244	257	267	239	226	232	267	309
Linguistics	844	781	782	754	769	797	830	843
Political science	9,279	8,833	8,512	8,290	8,176	8,921	9,532	10,084
Sociology	2,670	2,467	2,312	2,229	2,196	2,323	2,391	2,269
Sociology/anthropology	263	241	180	200	223	202	199	195
Social sciences, nec	4,092	3,904	3,958	3,711	3,890	4,033	4,360	4,450
Engineering	53,180	52,608	54,500	57,424	61,255	67,035	70,140	67,189
Aerospace engineering	2,226	2,251	2,320	2,385	2,435	2,591	2,790	2,789

TABLE 19. Male full-time 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	560	545	546	476	511	536	603	556
Biomedical engineering	1,733	1,748	1,840	1,921	2,089	2,492	2,977	3,173
Chemical engineering	4,451	4,233	4,197	4,315	4,289	4,613	4,604	4,562
Civil engineering	8,495	8,213	8,192	8,454	8,677	9,201	9,592	9,412
Electrical engineering	16,102	16,471	17,147	19,073	20,767	22,884	23,361	21,645
Engineering science	843	892	838	879	961	1,137	1,406	1,363
Industrial engineering	4,009	3,810	4,364	4,710	5,105	5,628	5,467	4,997
Mechanical engineering	9,143	8,840	9,069	9,451	9,998	10,932	11,608	10,998
Metallurgical/materials engineering	2,819	2,829	2,715	2,751	2,988	3,180	3,258	3,217
Mining engineering	218	181	215	156	163	177	187	208
Nuclear engineering	586	551	530	535	523	527	598	641
Petroleum engineering	392	433	462	447	460	554	568	540
Engineering, nec	1,603	1,611	2,065	1,871	2,289	2,583	3,121	3,088
Health	13,224	13,673	13,885	13,478	13,602	14,331	15,549	15,893
Medical fields	4,588	4,761	4,835	4,520	4,784	5,329	5,722	5,577
Anesthesiology	340	307	311	329	359	341	416	372
Cardiology	25	28	37	38	31	23	22	61
Endocrinology	23	33	35	27	24	27	29	20
Gastroenterology	1	6	2	8	1	1	1	6
Hematology	0	0	0	4	4	1	10	12
Neurology	952	1,027	1,060	1,063	1,097	1,308	1,310	1,276
Obstetrics/gynecology	9	6	1	7	9	6	10	4
Oncology/cancer research	86	97	111	103	112	85	90	116
Ophthalmology	8	6	9	18	19	98	135	142
Otorhinolaryngology	2	0	3	3	2	7	7	5
Pediatrics	52	49	52	85	50	55	60	57
Preventive medicine/community health	2,319	2,464	2,432	2,089	2,157	2,437	2,513	2,382
Psychiatry	29	12	16	25	43	34	24	48
Pulmonary disease	0	0	4	5	3	3	5	1
Radiology	145	118	126	105	113	112	130	112
Surgery	86	51	61	65	69	47	50	41
Clinical medicine, nec	511	557	575	546	691	744	910	922
Other health	8,636	8,912	9,050	8,958	8,818	9,002	9,827	10,316
Dental sciences	797	805	768	799	822	811	918	888
Nursing	899	990	1,103	1,095	1,125	1,315	1,445	1,391
Pharmaceutical sciences	1,164	1,182	1,305	1,371	1,388	1,299	1,667	1,692
Speech pathology/audiology	781	801	835	717	725	649	663	681
Veterinary sciences	505	484	442	508	508	542	539	540
Health related, nec	4,490	4,650	4,597	4,468	4,250	4,386	4,595	5,124

nec = not elsewhere classified.

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