

TABLE 11. Male 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	264,497	261,019	262,675	262,109	271,157	287,078	298,687	296,934
Science and engineering	245,619	241,429	242,786	243,057	251,812	266,248	276,260	274,311
Science	163,191	160,379	160,982	159,691	164,576	171,547	176,470	177,928
Agricultural sciences	7,497	7,316	7,263	6,935	6,892	7,045	7,171	7,187
Biological sciences	28,229	27,742	27,338	26,475	26,590	27,706	28,818	29,271
Anatomy	473	443	404	428	383	484	442	437
Biochemistry	2,926	2,919	2,835	2,735	2,694	2,768	2,957	2,969
Biology	7,359	7,064	6,846	6,401	6,163	6,308	6,612	6,833
Biometry/epidemiology	1,120	1,361	1,381	1,374	1,390	1,519	1,668	1,807
Biophysics	532	528	497	520	615	647	693	746
Botany	1,086	1,031	992	918	947	954	905	857
Cell biology	2,245	2,238	2,277	2,326	2,390	2,584	2,683	2,735
Ecology	842	840	823	846	909	928	1,022	993
Entomology/parasitology	751	754	739	662	690	699	669	676
Genetics	808	744	767	739	795	797	857	846
Microbiology/immunology/virology	2,409	2,402	2,365	2,382	2,303	2,400	2,323	2,322
Nutrition	1,144	1,073	1,077	1,034	993	1,027	1,037	1,046
Pathology	842	776	776	702	742	707	631	629
Pharmacology	1,368	1,405	1,414	1,447	1,482	1,461	1,539	1,428
Physiology	1,364	1,265	1,185	1,133	1,056	1,082	1,184	1,193
Zoology	924	892	853	803	744	711	656	596
Biosciences, nec	2,036	2,007	2,107	2,025	2,294	2,630	2,940	3,158
Computer sciences	26,110	27,225	29,933	33,270	36,894	39,244	38,880	36,965
Earth, atmospheric, and ocean sciences	9,132	8,690	8,358	8,188	7,949	7,993	8,082	8,182
Atmospheric sciences	829	731	671	695	626	703	776	723
Geosciences	4,663	4,372	4,237	4,141	4,061	4,099	4,125	4,282
Oceanography	1,424	1,400	1,402	1,401	1,330	1,309	1,303	1,292
Earth/atmospheric/ocean sciences, nec	2,216	2,187	2,048	1,951	1,932	1,882	1,878	1,885
Mathematical sciences	10,851	10,497	10,214	9,870	10,381	11,277	12,176	12,387
Mathematics/applied mathematics	9,244	8,932	8,659	8,315	8,751	9,463	10,163	10,300
Statistics	1,607	1,565	1,555	1,555	1,630	1,814	2,013	2,087
Physical sciences	22,257	21,822	21,776	21,270	21,702	22,275	23,520	24,474
Astronomy	570	590	607	621	651	688	735	764
Chemistry	12,052	11,918	11,799	11,349	11,511	11,720	12,210	12,544
Physics	9,403	9,029	8,993	8,931	9,206	9,500	10,189	10,810
Physical sciences, nec	232	285	377	369	334	367	386	356
Psychology	15,507	15,095	14,456	13,594	13,149	13,437	13,395	13,960
Clinical psychology	3,786	3,560	3,513	3,205	3,089	3,142	3,163	3,124
Psychology, general	5,372	5,251	4,851	4,597	4,554	4,483	4,582	5,169
Psychology, nec	6,349	6,284	6,092	5,792	5,506	5,812	5,650	5,667
Social sciences	43,608	41,992	41,644	40,089	41,019	42,570	44,428	45,502
Agricultural economics	1,355	1,315	1,299	1,290	1,326	1,343	1,418	1,341
Anthropology (cultural/social)	3,059	3,021	2,989	2,941	2,929	2,864	2,919	2,858
Economics (except agricultural)	7,585	7,237	7,063	6,983	7,413	7,741	7,808	7,777
Geography	2,662	2,663	2,547	2,409	2,503	2,540	2,693	2,802
History and philosophy of science	281	315	345	313	327	362	425	580
Linguistics	1,051	982	966	930	951	984	1,023	1,018
Political science	16,679	15,867	15,799	15,204	15,304	16,315	17,038	18,278
Sociology	3,591	3,362	3,227	3,072	3,080	3,178	3,226	3,088
Sociology/anthropology	377	335	271	282	308	266	267	292
Social sciences, nec	6,968	6,895	7,138	6,665	6,878	6,977	7,611	7,468
Engineering	82,428	81,050	81,804	83,366	87,236	94,701	99,790	96,383
Aerospace engineering	2,712	2,755	2,926	2,938	2,966	3,169	3,445	3,489

TABLE 11. Male 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	723	682	683	631	623	640	715	703
Biomedical engineering	2,021	2,035	2,117	2,171	2,385	2,849	3,385	3,679
Chemical engineering	5,568	5,366	5,150	5,181	5,084	5,419	5,416	5,346
Civil engineering	13,029	12,415	12,069	12,174	12,162	12,808	13,492	13,106
Electrical engineering	26,237	26,512	26,689	28,075	29,888	32,678	33,969	31,794
Engineering science	1,369	1,370	1,308	1,290	1,435	1,691	1,775	1,733
Industrial engineering	9,301	8,769	9,144	9,406	10,132	10,957	11,047	10,623
Mechanical engineering	13,266	12,934	13,168	13,403	13,908	15,056	16,039	15,469
Metallurgical/materials engineering	3,571	3,550	3,397	3,336	3,548	3,741	3,800	3,739
Mining engineering	285	249	273	241	204	230	236	266
Nuclear engineering	725	687	686	636	644	647	703	775
Petroleum engineering	484	516	560	540	565	659	720	711
Engineering, nec	3,137	3,210	3,634	3,344	3,692	4,157	5,048	4,950
Health	18,878	19,590	19,889	19,052	19,345	20,830	22,427	22,623
Medical fields	6,663	6,922	7,075	6,497	6,775	7,391	7,751	7,463
Anesthesiology	355	406	421	437	413	422	498	481
Cardiology	26	28	37	38	31	24	26	61
Endocrinology	24	33	35	29	25	28	47	24
Gastroenterology	1	6	2	8	1	1	1	7
Hematology	0	0	1	4	4	3	10	14
Neurology	987	1,058	1,086	1,090	1,123	1,330	1,348	1,311
Obstetrics/gynecology	9	8	6	10	15	9	16	7
Oncology/cancer research	89	97	113	109	119	86	90	117
Ophthalmology	14	14	19	27	23	106	142	148
Otorhinolaryngology	2	0	3	3	2	7	7	11
Pediatrics	59	55	55	90	53	66	64	61
Preventive medicine/community health	4,169	4,306	4,353	3,711	3,798	4,099	4,099	3,830
Psychiatry	39	21	23	34	65	69	60	82
Pulmonary disease	0	0	4	5	3	3	6	1
Radiology	177	164	162	140	156	156	172	146
Surgery	94	57	68	77	89	61	58	45
Clinical medicine, nec	618	669	687	685	855	921	1,107	1,117
Other health	12,215	12,668	12,814	12,555	12,570	13,439	14,676	15,160
Dental sciences	932	952	918	880	931	882	998	1,003
Nursing	2,036	2,159	2,261	2,195	2,258	2,559	2,752	2,775
Pharmaceutical sciences	1,423	1,518	1,732	1,764	1,820	2,097	2,481	2,319
Speech pathology/audiology	1,071	1,060	1,060	1,027	1,006	963	958	993
Veterinary sciences	608	609	578	607	610	675	687	692
Health related, nec	6,145	6,370	6,265	6,082	5,945	6,263	6,800	7,378

nec = not elsewhere classified.

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