

TABLE 31. Male graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2005

Field	Total	U.S. citizens and permanent residents					Other or unknown	Temporary-visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
All surveyed fields	295,547	1,047	19,055	11,161	12,311	136,377	18,472	97,124
Science and engineering	272,119	959	16,896	9,653	10,949	123,310	16,605	93,747
Science	178,524	705	10,148	7,283	7,956	89,155	11,790	51,487
Agricultural sciences	6,921	31	139	172	243	4,516	258	1,562
Biological sciences	29,946	114	2,315	922	1,319	16,215	1,541	7,520
Anatomy	472	1	51	19	23	259	22	97
Biochemistry	2,996	10	219	68	117	1,399	129	1,054
Biology	7,037	29	358	270	371	4,227	431	1,351
Biometry/epidemiology	1,796	5	204	73	79	788	146	501
Biophysics	775	2	77	14	27	380	36	239
Botany	875	4	23	4	21	456	31	336
Cell biology	2,887	8	287	61	121	1,501	156	753
Ecology	955	3	19	8	31	688	75	131
Entomology/parasitology	606	4	13	4	22	374	15	174
Genetics	846	4	94	15	30	422	43	238
Microbiology/immunology/virology	2,319	7	215	84	118	1,250	123	522
Nutrition	1,026	2	55	52	38	451	33	395
Pathology	629	1	60	14	27	335	24	168
Pharmacology	1,401	11	145	65	67	696	41	376
Physiology	1,144	3	182	32	45	632	31	219
Zoology	628	6	14	6	20	450	19	113
Biosciences, nec	3,554	14	299	133	162	1,907	186	853
Computer sciences	35,985	67	3,241	1,049	929	12,968	2,487	15,244
Earth, atmospheric, and ocean sciences	7,939	30	197	110	226	5,326	380	1,670
Atmospheric sciences	758	3	41	17	24	481	23	169
Geosciences	4,169	16	75	39	101	2,840	185	913
Oceanography	1,279	2	27	10	68	833	56	283
Earth/atmospheric/ocean sciences, nec	1,733	9	54	44	33	1,172	116	305
Mathematical sciences	12,773	23	787	371	418	5,738	718	4,718
Mathematics/applied mathematics	10,546	21	621	317	369	4,987	615	3,616
Statistics	2,227	2	166	54	49	751	103	1,102
Physical sciences	24,670	48	1,002	526	751	11,310	996	10,037
Astronomy	797	1	29	5	12	440	39	271
Chemistry	12,699	32	586	298	428	5,910	453	4,992
Physics	10,803	13	373	205	289	4,707	489	4,727
Physical sciences, nec	371	2	14	18	22	253	15	47
Psychology	13,993	91	565	953	1,178	8,765	1,538	903
Clinical psychology	3,271	31	113	158	379	2,071	419	100
Psychology, general	4,725	22	241	348	310	3,084	302	418
Psychology, nec	5,997	38	211	447	489	3,610	817	385
Social sciences	46,297	301	1,902	3,180	2,892	24,317	3,872	9,833
Agricultural economics	1,245	8	16	27	28	562	33	571
Anthropology (cultural/social)	2,782	45	89	52	171	1,846	209	370
Economics (except agricultural)	7,551	10	336	178	225	2,531	304	3,967
Geography	2,759	20	76	77	86	1,916	132	452
History and philosophy of science	525	1	16	22	29	371	33	53
Linguistics	1,132	11	76	21	55	553	104	312
Political science	19,020	104	805	1,677	1,379	10,331	2,157	2,567
Sociology	3,237	27	127	311	274	1,793	174	531
Sociology/anthropology	303	2	3	31	18	185	29	35
Social sciences, nec	7,743	73	358	784	627	4,229	697	975

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Engineering	93,595	254	6,748	2,370	2,993	34,155	4,815	42,260
Aerospace engineering	3,563	11	189	58	100	1,572	198	1,435
Agricultural engineering	736	2	23	13	3	305	15	375
Biomedical engineering	3,770	7	455	89	117	1,513	188	1,401
Chemical engineering	5,094	17	297	86	130	1,897	149	2,518
Civil engineering	12,655	38	606	295	603	5,672	605	4,836
Electrical engineering	30,656	47	2,850	654	882	8,237	1,479	16,507
Engineering science	1,532	5	102	26	36	641	51	671
Industrial engineering	10,327	35	747	482	392	4,420	759	3,492
Mechanical engineering	14,977	21	775	321	467	6,036	716	6,641
Metallurgical/materials engineering	3,812	5	219	53	74	1,377	102	1,982
Mining engineering	240	0	4	3	5	99	20	109
Nuclear engineering	802	3	31	8	28	438	23	271
Petroleum engineering	687	0	19	27	11	100	7	523
Engineering, nec	4,744	63	431	255	145	1,848	503	1,499
Health fields	23,428	88	2,159	1,508	1,362	13,067	1,867	3,377
Medical fields	7,354	22	735	475	462	3,716	708	1,236
Anesthesiology	463	1	15	11	9	358	65	4
Cardiology	20	0	1	0	0	5	0	14
Endocrinology	25	0	4	1	2	13	2	3
Gastroenterology	2	0	1	0	0	1	0	0
Hematology	8	0	2	0	0	5	0	1
Neurology	1,357	3	116	50	65	759	75	289
Obstetrics/gynecology	12	0	2	1	2	4	0	3
Oncology/cancer research	142	1	12	4	5	84	2	34
Ophthalmology	130	0	34	1	7	62	17	9
Otorhinolaryngology	7	0	1	0	1	5	0	0
Pediatrics	49	0	3	3	1	18	1	23
Preventive medicine/community health	3,686	15	359	333	272	1,662	354	691
Psychiatry	52	0	3	2	13	27	3	4
Pulmonary disease	14	0	4	0	0	7	0	3
Radiology	138	2	16	3	6	81	5	25
Surgery	61	0	9	4	3	36	8	1
Clinical medicine, nec	1,188	0	153	62	76	589	176	132
Other health	16,074	66	1,424	1,033	900	9,351	1,159	2,141
Dental sciences	986	1	119	18	39	609	29	171
Nursing	2,939	22	190	214	223	1,989	199	102
Pharmaceutical sciences	2,645	6	420	198	83	945	152	841
Speech pathology/audiology	970	5	119	49	61	587	76	73
Veterinary sciences	729	2	26	20	18	381	33	249
Health related, nec	7,805	30	550	534	476	4,840	670	705

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2005.