

TABLE 28. 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: 2002

Field	U.S. citizens and permanent residents							Students with temporary visas
	Total	American Indian/Alaska Native	Asian/Pacific Islander	Black non-Hispanic	Hispanic	White non-Hispanic	Other or unknown	
All surveyed fields	287,261	931	18,669	10,038	10,325	128,895	14,075	104,328
Science and engineering	266,521	811	16,900	8,932	9,196	116,805	12,936	100,941
Science	171,867	636	10,145	6,923	6,696	84,334	9,295	53,838
Physical sciences	22,276	55	893	486	605	10,158	911	9,168
Astronomy	688	1	26	6	9	388	28	230
Chemistry	11,721	38	539	304	361	5,612	356	4,511
Physics	9,500	15	312	168	221	3,960	455	4,369
Physical sciences, nec	367	1	16	8	14	198	72	58
Earth, atmosphere, and ocean science	7,993	45	158	135	191	5,389	319	1,756
Atmospheric sciences	703	4	16	15	10	448	21	189
Geosciences	4,099	18	79	37	82	2,761	175	947
Oceanography	1,309	5	27	13	60	891	32	281
Earth, atmosphere, and ocean science, nec	1,882	18	36	70	39	1,289	91	339
Mathematical sciences	11,277	18	664	340	335	4,878	537	4,505
Mathematics and applied mathematics	9,463	14	546	296	307	4,202	470	3,628
Statistics	1,814	4	118	44	28	676	67	877
Computer sciences	39,540	53	3,950	1,081	746	12,193	2,401	19,116
Agricultural sciences	7,045	36	136	162	197	4,670	243	1,601
Biological sciences	27,659	88	2,228	817	1,117	15,589	1,207	6,613
Anatomy	484	2	51	14	27	262	13	115
Biochemistry	2,780	5	258	51	96	1,377	118	875
Biology	6,377	22	330	236	352	3,964	301	1,172
Biometry/epidemiology	1,519	4	169	62	71	663	63	487
Biophysics	647	1	81	10	17	299	25	214
Botany	954	4	50	12	23	520	30	315
Cell biology	2,584	2	279	68	90	1,427	152	566
Ecology	928	2	13	9	22	700	56	126
Entomology/parasitology	699	4	15	9	16	449	19	187
Genetics	797	1	87	20	28	406	49	206
Microbiology, immunology, and virology	2,385	14	213	65	103	1,302	124	564
Nutrition	1,027	1	50	52	20	460	38	406
Pathology	707	3	90	19	28	390	32	145
Pharmacology	1,461	8	174	54	54	855	27	289
Physiology	1,082	1	160	36	38	580	37	230
Zoology	711	3	16	7	20	520	24	121
Biosciences, nec	2,517	11	192	93	112	1,415	99	595
Psychology	13,454	82	554	948	1,125	8,826	826	1,093
Clinical psychology	3,097	28	101	149	356	2,073	170	220
Psychology, general	4,483	14	185	344	267	3,037	221	415
Psychology, nec	5,874	40	268	455	502	3,716	435	458
Social sciences	42,623	259	1,562	2,954	2,380	22,631	2,851	9,986
Agricultural economics	1,343	2	19	42	17	589	44	630
Anthropology (cultural and social)	2,881	37	78	59	166	1,977	187	377
Economics (except agricultural)	7,741	16	326	185	214	2,336	374	4,290
Geography	2,567	19	55	56	71	1,831	108	427
History and philosophy of science	362	1	12	13	37	229	29	41
Linguistics	984	4	48	17	45	466	76	328
Political science	16,324	98	634	1,590	1,058	9,268	1,258	2,418
Sociology	3,178	29	120	323	261	1,747	160	538
Sociology/anthropology	266	7	3	26	14	178	14	24
Social sciences, nec	6,977	46	267	643	497	4,010	601	913

See explanatory information, if any, and SOURCE at end of table.

TABLE 28. 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: 2002

Field	U.S. citizens and permanent residents							Students with temporary visas
	Total	American Indian/Alaska Native	Asian/Pacific Islander	Black non-Hispanic	Hispanic	White non-Hispanic	Other or unknown	
Engineering	94,654	175	6,755	2,009	2,500	32,471	3,641	47,103
Aerospace engineering	3,169	9	155	45	69	1,295	126	1,470
Agricultural engineering	640	0	23	9	8	280	14	306
Biomedical engineering	2,849	4	307	69	78	1,277	109	1,005
Chemical engineering	5,419	13	352	79	122	1,912	127	2,814
Civil engineering	12,808	40	557	271	504	5,479	493	5,464
Electrical engineering	32,688	27	3,107	645	766	8,093	1,273	18,777
Engineering science	1,691	6	118	29	39	723	72	704
Industrial/manufacturing engineering	10,957	27	638	352	302	4,419	493	4,726
Mechanical engineering	15,032	23	743	279	367	5,488	517	7,615
Metallurgical/materials engineering	3,741	9	188	61	51	1,414	83	1,935
Mining engineering	230	2	19	1	1	111	1	95
Nuclear engineering	647	2	24	5	17	320	9	270
Petroleum engineering	659	1	38	6	46	110	57	401
Engineering, nec	4,124	12	486	158	130	1,550	267	1,521
Health	20,740	120	1,769	1,106	1,129	12,090	1,139	3,387
Medical fields	7,371	49	774	407	421	3,902	426	1,392
Anesthesiology	431	3	16	9	13	349	41	0
Cardiology	24	0	5	1	0	5	1	12
Endocrinology	28	0	2	1	2	12	3	8
Gastroenterology	1	0	0	0	0	1	0	0
Hematology	3	0	0	1	0	2	0	0
Neurology	1,330	5	154	32	50	787	73	229
Obstetrics and gynecology	9	0	2	1	0	4	0	2
Oncology/cancer research	86	0	9	2	3	50	1	21
Ophthalmology	106	0	24	1	6	62	0	13
Otorhinolaryngology	7	0	2	0	1	4	0	0
Pediatrics	66	0	1	1	4	38	1	21
Preventive medicine/community health	4,099	33	354	297	263	1,985	202	965
Psychiatry	69	1	4	7	10	43	3	1
Pulmonary disease	3	0	1	0	0	1	0	1
Radiology	156	3	21	3	4	90	9	26
Surgery	61	1	13	4	8	32	1	2
Clinical medicine, nec	892	3	166	47	57	437	91	91
Other health fields	13,369	71	995	699	708	8,188	713	1,995
Dental sciences	882	2	76	11	31	547	24	191
Nursing	2,559	20	154	125	183	1,825	127	125
Pharmaceutical sciences	2,121	1	204	102	60	847	60	847
Speech pathology/audiology	963	4	27	67	55	664	62	84
Veterinary sciences	675	1	26	18	16	393	12	209
Health related, nec	6,169	43	508	376	363	3,912	428	539

nec = not elsewhere classified.

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