

**Table A-10. Part-time graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and racial/ethnic background of U.S. citizens or permanent residents: 1998**

Field	Total	Racial/ethnic background of U.S. citizens or permanent residents						Students with temporary visas
		Black non-Hispanic	American Indian/Alaskan Native	Asian/Pacific Islander	Hispanic	White non-Hispanic	Other or unknown	
Total, all surveyed fields .....	158,145	10,506	700	10,663	6,865	101,932	11,549	15,930
Total, science and engineering fields .....	125,763	8,389	512	9,163	5,610	77,789	9,434	14,866
Sciences, total .....	91,225	7,147	411	5,906	4,345	57,251	7,012	9,153
Physical sciences, total .....	4,165	185	7	318	152	2,346	344	813
Astronomy .....	33	0	0	2	0	18	6	7
Chemistry .....	2,680	137	4	266	94	1,481	221	477
Physics .....	1,148	37	2	42	37	655	65	310
Physical sciences, n.e.c. ....	304	11	1	8	21	192	52	19
Earth, atmos., & ocean sci., total .....	3,875	70	27	121	135	2,988	219	315
Atmospheric sciences .....	109	3	0	6	1	76	2	21
Geosciences .....	1,491	16	12	37	60	1,165	76	125
Oceanography .....	498	3	3	16	18	374	34	50
Earth, atmos., & ocean sci., n.e.c. ....	1,777	48	12	62	56	1,373	107	119
Mathematical sciences, total .....	4,681	258	12	388	194	2,781	325	723
Mathematics & applied mathematics .....	4,086	238	11	342	179	2,423	301	592
Statistics .....	595	20	1	46	15	358	24	131
Computer sciences .....	18,113	883	46	2,907	491	8,647	1,678	3,461
Agricultural sciences .....	2,811	103	13	64	94	2,098	84	355
Biological sciences, total .....	10,052	523	31	619	392	6,848	686	953
Anatomy .....	54	3	0	2	0	41	2	6
Biochemistry .....	266	16	1	34	6	151	8	50
Biology .....	4,253	268	16	222	211	2,880	360	296
Biometry/epidemiology .....	925	54	2	93	39	585	81	71
Biophysics .....	30	1	0	2	0	22	1	4
Botany .....	335	25	0	8	14	222	14	52
Cell biology .....	322	11	0	21	5	197	24	64
Ecology .....	466	6	0	6	7	383	27	37
Entomology/parasitology .....	168	0	1	5	4	130	3	25
Genetics .....	84	0	0	7	1	57	5	14
Microbio., immunology, & virology .....	414	15	1	31	15	275	17	60
Nutrition .....	1,254	73	2	81	43	880	31	144
Pathology .....	241	7	0	19	9	182	14	10
Pharmacology .....	168	13	0	9	5	122	5	14
Physiology .....	179	8	0	20	4	118	8	21
Zoology .....	252	1	2	8	7	201	3	30
Biosciences, n.e.c. ....	641	22	6	51	22	402	83	55
Psychology, total .....	17,473	1,421	89	560	929	12,147	1,878	449
Psychology, general .....	5,000	605	23	180	280	3,564	236	112
Clinical psychology .....	3,020	172	28	116	177	2,236	230	61
Psychology, n.e.c. ....	9,453	644	38	264	472	6,347	1,412	276
Social sciences, total .....	30,055	3,704	186	929	1,958	19,396	1,798	2,084
Agricultural economics .....	325	11	0	6	11	166	13	118
Anthropology (cultural & social) .....	1,843	63	25	48	92	1,416	97	102
Economics (except agricultural) .....	2,105	119	3	146	73	1,080	109	575
Geography .....	1,418	45	6	27	38	1,137	98	67
History and philosophy of science .....	105	3	0	2	1	92	1	6
Linguistics .....	649	8	3	51	51	361	34	141
Political science .....	14,436	2,182	90	404	1,125	9,216	807	612
Sociology .....	2,598	438	23	87	179	1,604	100	167
Sociology/anthropology .....	242	36	1	3	14	129	36	23
Social sciences, n.e.c. ....	6,334	799	35	155	374	4,195	503	273
Engineering, total .....	34,538	1,242	101	3,257	1,265	20,538	2,422	5,713
Aerospace engineering .....	572	6	5	26	16	373	26	120
Agricultural engineering .....	169	8	2	6	3	99	3	48
Biomedical engineering .....	392	11	1	28	16	247	20	69
Chemical engineering .....	1,459	59	5	113	33	814	121	314
Civil engineering .....	5,328	180	17	383	259	3,496	316	677
Electrical engineering .....	11,608	402	20	1,655	424	5,735	959	2,413
Engineering science .....	587	17	3	64	16	401	19	67
Industrial/manufacturing eng. ....	6,117	292	25	327	230	4,093	467	683
Mechanical engineering .....	4,623	127	6	347	151	2,941	262	789
Metallurgical/materials eng. ....	942	21	1	47	24	639	44	166
Mining engineering .....	78	0	0	2	2	48	6	20
Nuclear engineering .....	159	1	1	9	4	122	1	21
Petroleum engineering .....	90	1	0	0	4	55	1	29
Engineering, n.e.c. ....	2,414	117	15	250	83	1,475	177	297

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

**Table A-10. Part-time graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and racial/ethnic background of U.S. citizens or permanent residents: 1998**

Field	Total	Racial/ethnic background of U.S. citizens or permanent residents						Students with temporary visas
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Total, health fields .....	32,382	2,117	188	1,500	1,255	24,143	2,115	1,064
Medical fields, total .....	5,458	510	43	453	286	3,377	336	453
Anesthesiology .....	199	3	0	2	1	72	120	1
Cardiology .....	0	0	0	0	0	0	0	0
Oncology/cancer research .....	3	0	0	0	1	2	0	0
Endocrinology .....	0	0	0	0	0	0	0	0
Gastroenterology .....	0	0	0	0	0	0	0	0
Hematology .....	0	0	0	0	0	0	0	0
Neurology .....	52	2	0	7	0	35	4	4
Obstetrics and gynecology .....	3	0	0	0	0	3	0	0
Ophthalmology .....	16	0	0	3	0	5	0	8
Otorhinolaryngology .....	0	0	0	0	0	0	0	0
Pediatrics .....	68	3	7	3	1	34	15	5
Preventive medicine/community health .....	4,634	478	35	402	260	2,880	171	408
Psychiatry .....	89	7	1	3	2	76	0	0
Pulmonary disease .....	0	0	0	0	0	0	0	0
Radiology .....	87	3	0	4	8	66	1	5
Surgery .....	13	0	0	0	0	11	2	0
Clinical medicine, n.e.c. ....	294	14	0	29	13	193	23	22
Other health fields, total .....	26,924	1,607	145	1,047	969	20,766	1,779	611
Dental sciences .....	188	5	0	27	10	109	5	32
Nursing .....	16,471	986	102	589	480	13,112	1,041	161
Pharmaceutical sciences .....	1,087	82	1	95	100	598	78	133
Speech pathology/audiology .....	3,174	165	17	54	150	2,518	214	56
Veterinary sciences .....	222	14	1	5	3	138	2	59
Health related, n.e.c. ....	5,782	355	24	277	226	4,291	439	170

**KEY:** n.e.c. = Not elsewhere classified

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