

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2002

Field	Total	Fellowships	Teaching assistant-ships	Trainee-ships	Research assistant-ships	Other support
All surveyed fields	352,764	33,872	68,470	14,654	105,855	129,913
Science and engineering	306,309	31,241	65,235	9,807	99,592	100,434
Science	223,223	24,343	52,871	8,851	64,578	72,580
Physical sciences	28,173	2,643	10,539	421	12,588	1,982
Astronomy	946	178	236	12	476	44
Chemistry	16,519	1,525	6,511	262	7,239	982
Physics	10,452	920	3,780	147	4,798	807
Physical sciences, nec	256	20	12	0	75	149
Earth, atmosphere, and ocean science	10,606	1,109	2,567	89	4,408	2,433
Atmospheric sciences	915	56	167	2	564	126
Geosciences	5,232	603	1,809	27	1,935	858
Oceanography	2,104	244	222	15	1,205	418
Earth, atmosphere, and ocean science, nec	2,355	206	369	45	704	1,031
Mathematical sciences	13,080	1,420	7,227	121	1,704	2,608
Mathematics and applied mathematics	10,412	1,192	5,991	102	1,176	1,951
Statistics	2,668	228	1,236	19	528	657
Computer sciences	29,715	1,386	5,106	279	6,924	16,020
Agricultural sciences	9,121	484	1,139	70	5,505	1,923
Biological sciences	49,703	6,218	8,411	5,491	20,662	8,921
Anatomy	865	102	95	69	329	270
Biochemistry	4,953	690	542	521	2,649	551
Biology	9,147	1,089	3,582	395	2,621	1,460
Biometry/epidemiology	3,012	344	183	432	715	1,338
Biophysics	896	163	65	174	367	127
Botany	1,789	139	478	71	932	169
Cell biology	4,928	748	514	894	2,328	444
Ecology	1,396	217	423	59	510	187
Entomology/parasitology	1,001	71	172	13	632	113
Genetics	1,770	294	114	269	835	258
Microbiology, immunology, and virology	4,866	663	451	813	2,368	571
Nutrition	3,187	142	432	108	1,475	1,030
Pathology	1,340	183	26	145	555	431
Pharmacology	2,812	434	148	569	1,321	340
Physiology	1,917	222	149	279	682	585
Zoology	1,173	111	542	21	424	75
Biosciences, nec	4,651	606	495	659	1,919	972
Psychology	28,978	2,181	5,479	1,139	4,937	15,242
Clinical psychology	8,669	552	788	453	1,030	5,846
Psychology, general	8,754	893	2,593	364	1,934	2,970
Psychology, nec	11,555	736	2,098	322	1,973	6,426
Social sciences	53,847	8,902	12,403	1,241	7,850	23,451
Agricultural economics	1,972	81	215	18	1,048	610
Anthropology (cultural and social)	5,614	1,450	1,463	61	490	2,150
Economics (except agricultural)	9,327	1,754	2,878	167	1,188	3,340
Geography	2,712	219	954	15	661	863
History and philosophy of science	364	104	126	19	17	98
Linguistics	2,134	395	645	43	228	823
Political science	16,834	2,987	2,711	554	1,795	8,787
Sociology	6,067	1,005	2,095	185	960	1,822
Sociology/anthropology	549	28	231	5	84	201
Social sciences, nec	8,274	879	1,085	174	1,379	4,757

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

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2002

Field	Total	Fellowships	Teaching assistant-ships	Trainee-ships	Research assistant-ships	Other support
Engineering	83,086	6,898	12,364	956	35,014	27,854
Aerospace engineering	2,970	246	420	37	1,414	853
Agricultural engineering	769	63	62	24	479	141
Biomedical engineering	3,856	671	356	213	1,664	952
Chemical engineering	6,239	832	876	71	3,464	996
Civil engineering	12,706	1,074	1,949	210	4,747	4,726
Electrical engineering	27,257	1,485	4,251	105	10,612	10,804
Engineering science	1,424	179	218	23	678	326
Industrial/manufacturing engineering	6,996	441	1,002	48	1,882	3,623
Mechanical engineering	12,280	1,008	2,323	116	5,423	3,410
Metallurgical/materials engineering	4,207	455	416	15	2,738	583
Mining engineering	198	16	18	0	87	77
Nuclear engineering	655	102	35	4	403	111
Petroleum engineering	644	57	58	3	233	293
Engineering, nec	2,885	269	380	87	1,190	959
Health	46,455	2,631	3,235	4,847	6,263	29,479
Medical fields	12,604	1,268	427	1,676	2,349	6,884
Anesthesiology	531	6	0	155	0	370
Cardiology	42	0	0	25	17	0
Endocrinology	59	8	2	3	36	10
Gastroenterology	7	7	0	0	0	0
Hematology	8	0	0	1	5	2
Neurology	2,456	618	146	580	929	183
Obstetrics and gynecology	18	7	1	2	8	0
Oncology/cancer research	229	45	0	83	84	17
Ophthalmology	166	9	43	100	6	8
Otorhinolaryngology	8	0	0	0	0	8
Pediatrics	363	29	2	42	49	241
Preventive medicine/community health	6,958	377	215	508	856	5,002
Psychiatry	127	7	0	17	72	31
Pulmonary disease	4	3	0	0	0	1
Radiology	178	6	2	9	89	72
Surgery	65	6	0	10	22	27
Clinical medicine, nec	1,385	140	16	141	176	912
Other health fields	33,851	1,363	2,808	3,171	3,914	22,595
Dental sciences	1,317	79	201	106	97	834
Nursing	8,641	328	357	2,170	422	5,364
Pharmaceutical sciences	2,454	167	670	72	1,004	541
Speech pathology/audiology	7,712	277	781	387	833	5,434
Veterinary sciences	1,397	60	99	19	648	571
Health related, nec	12,330	452	700	417	910	9,851

nec = not elsewhere classified.

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