

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2004

Field	Total	Teaching			Research	Other types of support
		Fellowships	assistantships	Traineeships	assistantships	
All surveyed fields	376,664	34,837	71,052	14,345	112,808	143,622
Science and engineering	322,476	32,045	67,401	9,748	105,963	107,319
Science	237,775	24,804	55,381	8,796	69,965	78,829
Agricultural sciences	9,477	599	1,154	68	5,758	1,898
Biological sciences	54,040	6,736	8,422	5,510	23,546	9,826
Anatomy	821	93	86	64	351	227
Biochemistry	5,279	786	498	542	2,842	611
Biology	10,416	1,295	3,857	453	3,099	1,712
Biometry/epidemiology	3,218	315	168	497	867	1,371
Biophysics	1,115	192	60	215	478	170
Botany	1,653	131	393	33	956	140
Cell biology	5,345	620	515	911	2,837	462
Ecology	1,495	269	453	37	531	205
Entomology/parasitology	1,046	79	155	13	694	105
Genetics	1,998	287	103	241	1,097	270
Microbiology/immunology/virology	5,070	639	416	801	2,587	627
Nutrition	3,142	163	389	109	1,290	1,191
Pathology	1,350	187	33	140	566	424
Pharmacology	2,974	436	159	532	1,444	403
Physiology	2,126	264	114	253	777	718
Zoology	1,070	124	517	8	372	49
Biosciences, nec	5,922	856	506	661	2,758	1,141
Computer sciences	27,330	1,383	4,596	284	7,028	14,039
Earth, atmospheric, and ocean sciences	11,226	1,222	2,577	118	4,699	2,610
Atmospheric sciences	958	40	136	4	674	104
Geosciences	5,503	609	1,838	36	2,140	880
Oceanography	2,252	272	277	31	1,238	434
Earth/atmospheric/ocean sciences, nec	2,513	301	326	47	647	1,192
Mathematical sciences	14,300	1,341	7,836	105	1,870	3,148
Mathematics/applied mathematics	11,342	1,120	6,541	82	1,231	2,368
Statistics	2,958	221	1,295	23	639	780
Physical sciences	31,248	2,734	12,127	368	13,801	2,218
Astronomy	1,078	187	234	18	569	70
Chemistry	18,000	1,545	7,519	241	7,599	1,096
Physics	11,934	983	4,365	109	5,577	900
Physical sciences, nec	236	19	9	0	56	152
Psychology	32,087	2,280	5,589	894	5,466	17,858
Clinical psychology	9,353	657	759	212	1,106	6,619
Psychology, general	9,367	927	2,838	342	2,013	3,247
Psychology, nec	13,367	696	1,992	340	2,347	7,992
Social sciences	58,067	8,509	13,080	1,449	7,797	27,232
Agricultural economics	1,887	95	168	14	1,007	603
Anthropology (cultural/social)	5,669	1,395	1,602	54	538	2,080
Economics (except agricultural)	9,578	1,479	3,169	123	1,162	3,645
Geography	2,952	212	1,028	39	647	1,026
History and philosophy of science	426	146	140	14	13	113
Linguistics	2,251	379	713	24	216	919
Political science	19,300	3,268	2,904	770	1,700	10,658
Sociology	6,102	831	2,227	239	922	1,883
Sociology/anthropology	584	29	211	2	97	245
Social sciences, nec	9,318	675	918	170	1,495	6,060

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2004

Field	Total	Fellowships	Teaching		Research assistantships	Other types of support
			assistantships	Traineeships		
Engineering	84,701	7,241	12,020	952	35,998	28,490
Aerospace engineering	3,190	282	373	40	1,451	1,044
Agricultural engineering	808	62	64	11	533	138
Biomedical engineering	5,071	841	452	304	2,092	1,382
Chemical engineering	6,346	689	786	102	3,748	1,021
Civil engineering	13,347	1,094	2,073	152	4,876	5,152
Electrical engineering	25,783	1,503	3,830	112	10,133	10,205
Engineering science	1,712	272	219	22	861	338
Industrial engineering	6,352	436	921	46	1,660	3,289
Mechanical engineering	12,547	927	2,179	98	5,718	3,625
Metallurgical/materials engineering	4,338	556	421	21	2,708	632
Mining engineering	229	23	25	1	92	88
Nuclear engineering	809	109	68	6	456	170
Petroleum engineering	658	88	70	3	269	228
Engineering, nec	3,511	359	539	34	1,401	1,178
Health	54,188	2,792	3,651	4,597	6,845	36,303
Medical fields	14,340	1,243	460	1,856	2,528	8,253
Anesthesiology	728	8	0	221	1	498
Cardiology	79	9	0	13	17	40
Endocrinology	57	3	3	5	25	21
Gastroenterology	13	6	0	6	1	0
Hematology	24	17	0	2	5	0
Neurology	2,561	505	150	578	1,098	230
Obstetrics/gynecology	13	7	0	0	6	0
Oncology/cancer research	270	50	18	77	106	19
Ophthalmology	406	26	39	104	10	227
Otorhinolaryngology	6	2	0	0	0	4
Pediatrics	327	25	5	14	56	227
Preventive medicine/community health	7,533	366	225	535	860	5,547
Psychiatry	184	18	0	60	16	90
Pulmonary disease	7	1	0	4	0	2
Radiology	171	16	0	6	111	38
Surgery	59	2	1	12	23	21
Clinical medicine, nec	1,902	182	19	219	193	1,289
Other health	39,848	1,549	3,191	2,741	4,317	28,050
Dental sciences	1,494	39	234	64	84	1,073
Nursing	9,732	400	423	1,805	483	6,621
Pharmaceutical sciences	3,630	206	885	80	1,209	1,250
Speech pathology/audiology	8,536	269	714	352	820	6,381
Veterinary sciences	1,364	60	89	35	618	562
Health related, nec	15,092	575	846	405	1,103	12,163

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2004.