

TABLE 42. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2004

Sex and primary source of support	Sciences										Engineering									Health fields
	All surveyed fields	Total	Agricultural sciences	Biological sciences	Computer sciences	Earth/atmospheric/ocean sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical/materials engineering	Other	
Male and female, all sources	376,664	237,775	9,477	54,040	27,330	11,226	14,300	31,248	32,087	58,067	84,701	3,190	6,346	13,347	25,783	6,352	12,547	4,338	12,798	54,188
Federal	81,938	52,045	2,496	21,616	5,082	3,309	1,713	10,927	3,415	3,487	20,750	1,214	2,146	2,149	5,971	957	3,129	1,571	3,613	9,143
DOD	8,192	3,063	24	425	1,185	128	161	874	135	131	4,826	537	218	168	1,970	299	732	363	539	303
DOE	4,090	2,315	49	219	151	171	61	1,585	24	55	1,763	50	357	90	209	45	360	270	382	12
HHS	30,720	21,597	90	16,142	295	41	175	2,559	1,857	438	2,153	12	296	61	350	66	178	50	1,140	6,970
NIH	26,518	20,394	67	15,581	259	24	154	2,349	1,645	315	1,907	10	260	33	290	43	150	43	1,078	4,217
Other HHS	4,202	1,203	23	561	36	17	21	210	212	123	246	2	36	28	60	23	28	7	62	2,753
NASA	2,898	1,454	52	104	140	457	24	561	26	90	1,428	423	95	59	332	42	286	52	139	16
NSF	19,913	12,981	202	2,242	2,748	1,497	1,037	4,103	360	792	6,778	116	871	700	2,341	328	1,038	652	732	154
USDA	3,516	3,035	1,369	1,061	35	92	28	38	16	396	404	0	46	73	45	12	22	3	203	77
Other	12,609	7,600	710	1,423	528	923	227	1,207	997	1,585	3,398	76	263	998	724	165	513	181	478	1,611
Institutional	148,450	106,011	3,894	21,579	8,602	5,021	9,634	16,657	12,275	28,349	30,617	909	2,424	5,620	8,441	2,272	4,893	1,504	4,554	11,822
Other nonfederal	27,268	14,578	1,582	3,804	1,698	858	429	2,127	1,336	2,744	10,035	364	996	1,251	2,802	592	1,542	752	1,736	2,655
Domestic	24,470	12,923	1,454	3,561	1,519	786	353	2,029	1,291	1,930	9,147	298	941	1,119	2,638	512	1,391	679	1,569	2,400
Foreign	2,798	1,655	128	243	179	72	76	98	45	814	888	66	55	132	164	80	151	73	167	255
Self-support	119,008	65,141	1,505	7,041	11,948	2,038	2,524	1,537	15,061	23,487	23,299	703	780	4,327	8,569	2,531	2,983	511	2,895	30,568
Male, all sources	203,348	123,303	5,014	24,234	20,725	6,119	9,396	21,558	8,472	27,785	65,504	2,738	4,544	9,248	20,980	4,827	10,792	3,201	9,174	14,541
Federal	48,539	29,215	1,390	10,133	4,061	1,900	1,183	7,709	1,051	1,788	16,231	1,061	1,497	1,504	4,973	745	2,682	1,167	2,602	3,093
DOD	6,568	2,278	19	214	1,012	74	127	663	68	101	4,095	493	166	121	1,705	244	639	281	446	195
DOE	3,160	1,731	36	114	125	111	39	1,260	8	38	1,423	45	258	59	167	36	320	218	320	6
HHS	14,061	10,228	46	7,530	233	20	98	1,560	577	164	1,475	10	195	41	287	50	153	27	712	2,358
NIH	12,749	9,684	36	7,283	203	11	85	1,436	515	115	1,285	8	172	22	236	31	127	21	668	1,780
Other HHS	1,312	544	10	247	30	9	13	124	62	49	190	2	23	19	51	19	26	6	44	578
NASA	2,112	933	35	59	103	254	16	398	10	58	1,173	361	67	35	281	32	244	38	115	6
NSF	13,664	8,439	107	1,047	2,176	859	739	2,928	136	447	5,133	90	597	472	1,890	256	853	463	512	92
USDA	1,943	1,614	772	491	26	53	18	26	6	222	292	0	34	53	32	9	21	2	141	37
Other	7,031	3,992	375	678	386	529	146	874	246	758	2,640	62	180	723	611	118	452	138	356	399
Institutional	82,416	55,524	1,934	9,471	6,612	2,696	6,345	11,246	3,543	13,677	23,404	776	1,739	3,846	6,854	1,635	4,192	1,092	3,270	3,488
Other nonfederal	17,010	8,273	880	1,860	1,358	480	264	1,530	375	1,526	7,858	302	731	917	2,328	452	1,309	554	1,265	879
Domestic	15,085	7,174	797	1,728	1,220	428	215	1,456	354	976	7,151	247	692	825	2,187	390	1,182	496	1,132	760
Foreign	1,925	1,099	83	132	138	52	49	74	21	550	707	55	39	92	141	62	127	58	133	119
Self-support	55,383	30,291	810	2,770	8,694	1,043	1,604	1,073	3,503	10,794	18,011	599	577	2,981	6,825	1,995	2,609	388	2,037	7,081
Female, all sources	173,316	114,472	4,463	29,806	6,605	5,107	4,904	9,690	23,615	30,282	19,197	452	1,802	4,099	4,803	1,525	1,755	1,137	3,624	39,647
Federal	33,399	22,830	1,106	11,483	1,021	1,409	530	3,218	2,364	1,699	4,519	153	649	645	998	212	447	404	1,011	6,050
DOD	1,624	785	5	211	173	54	34	211	67	30	731	44	52	47	265	55	93	82	93	108
DOE	930	584	13	105	26	60	22	325	16	17	340	5	99	31	42	9	40	52	62	6

TABLE 42. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2004

Sex and primary source of support	All surveyed fields	Total	Sciences								Engineering								Health fields	
			Agricultural sciences	Biological sciences	Computer sciences	Earth/atmospheric/ocean sciences	Mathematical sciences	Physical sciences	Psychology	Social sciences	Total	Aerospace engineering	Chemical engineering	Civil engineering	Electrical engineering	Industrial engineering	Mechanical engineering	Metallurgical/materials engineering		Other
HHS	16,659	11,369	44	8,612	62	21	77	999	1,280	274	678	2	101	20	63	16	25	23	428	4,612
NIH	13,769	10,710	31	8,298	56	13	69	913	1,130	200	622	2	88	11	54	12	23	22	410	2,437
Other HHS	2,890	659	13	314	6	8	8	86	150	74	56	0	13	9	9	4	2	1	18	2,175
NASA	786	521	17	45	37	203	8	163	16	32	255	62	28	24	51	10	42	14	24	10
NSF	6,249	4,542	95	1,195	572	638	298	1,175	224	345	1,645	26	274	228	451	72	185	189	220	62
USDA	1,573	1,421	597	570	9	39	10	12	10	174	112	0	12	20	13	3	1	1	62	40
Other	5,578	3,608	335	745	142	394	81	333	751	827	758	14	83	275	113	47	61	43	122	1,212
Institutional	66,034	50,487	1,960	12,108	1,990	2,325	3,289	5,411	8,732	14,672	7,213	133	685	1,774	1,587	637	701	412	1,284	8,334
Other nonfederal	10,258	6,305	702	1,944	340	378	165	597	961	1,218	2,177	62	265	334	474	140	233	198	471	1,776
Domestic	9,385	5,749	657	1,833	299	358	138	573	937	954	1,996	51	249	294	451	122	209	183	437	1,640
Foreign	873	556	45	111	41	20	27	24	24	264	181	11	16	40	23	18	24	15	34	136
Self-support	63,625	34,850	695	4,271	3,254	995	920	464	11,558	12,693	5,288	104	203	1,346	1,744	536	374	123	858	23,487

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = United States Department of Agriculture.

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