

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
All surveyed fields	377,984	381,198	393,138	403,722	409,421	422,287	428,856	433,252
Federal	82,597	82,328	82,901	80,403	80,691	76,903	80,244	85,272
DOD	8,967	8,948	8,826	8,809	8,820	8,180	8,649	9,172
DOE	4,130	4,386	4,469	4,277	4,280	4,335	4,601	5,500
HHS	30,613	30,489	31,028	29,852	29,904	28,354	28,638	29,757
NIH	26,617	26,798	27,543	26,885	26,918	25,913	26,454	27,521
Other HHS	3,996	3,691	3,485	2,967	2,986	2,441	2,184	2,236
NASA	2,900	2,672	2,352	2,309	2,312	2,328	2,418	2,459
NSF	19,859	20,257	20,255	19,668	19,713	19,805	21,602	23,139
USDA	3,552	3,339	2,994	2,790	2,804	2,759	2,697	3,041
Other	12,576	12,237	12,977	12,698	12,858	11,142	11,639	12,204
Institutional	149,182	150,941	154,856	162,019	165,084	174,047	172,414	171,734
Other nonfederal	26,720	26,703	27,640	26,759	26,908	25,717	26,585	25,934
Domestic	23,936	24,171	25,017	23,901	24,041	21,962	22,666	21,822
Foreign	2,784	2,532	2,623	2,858	2,867	3,755	3,919	4,112
Self-support	119,485	121,226	127,741	134,541	136,738	145,620	149,613	150,312
Science and engineering	322,655	323,371	331,382	342,430	350,133	362,344	376,569	386,384
Federal	73,436	73,700	73,692	71,927	73,048	70,383	74,728	79,554
DOD	8,639	8,601	8,465	8,475	8,497	7,864	8,411	8,898
DOE	4,114	4,370	4,442	4,241	4,246	4,311	4,587	5,476
HHS	23,650	23,881	24,331	23,621	24,461	23,947	24,682	25,586
NIH	22,319	22,731	23,286	22,602	23,425	22,829	23,521	24,349
Other HHS	1,331	1,150	1,045	1,019	1,036	1,118	1,161	1,237
NASA	2,875	2,652	2,338	2,301	2,305	2,320	2,415	2,366
NSF	19,690	20,049	19,972	19,446	19,515	19,599	21,433	22,946
USDA	3,468	3,252	2,896	2,715	2,715	2,691	2,616	2,941
Other	11,000	10,895	11,248	11,128	11,309	9,651	10,584	11,341
Institutional	137,071	137,828	141,069	146,694	150,326	159,833	159,636	159,696
Other nonfederal	24,155	24,089	24,598	23,859	24,108	23,440	24,146	23,836
Domestic	21,615	21,748	22,156	21,248	21,483	19,933	20,519	20,067
Foreign	2,540	2,341	2,442	2,611	2,625	3,507	3,627	3,769
Self-support	87,993	87,754	92,023	99,950	102,651	108,688	118,059	123,298
Science	238,039	241,130	246,248	252,596	259,222	267,267	275,074	279,950
Federal	52,246	52,535	52,441	51,020	51,974	49,682	51,903	54,399
DOD	3,340	3,275	3,134	3,206	3,185	3,100	3,193	3,466
DOE	2,357	2,456	2,508	2,484	2,482	2,475	2,523	2,782
HHS	21,517	21,627	21,850	21,002	21,835	21,165	21,731	22,256
NIH	20,412	20,663	20,940	20,138	20,954	20,180	20,758	21,248
Other HHS	1,105	964	910	864	881	985	973	1,008
NASA	1,451	1,382	1,292	1,302	1,298	1,304	1,295	1,367
NSF	12,943	13,211	13,065	12,818	12,791	12,761	13,808	14,578
USDA	3,060	2,919	2,564	2,411	2,415	2,392	2,333	2,606
Other	7,578	7,665	8,028	7,797	7,968	6,485	7,020	7,344
Institutional	106,522	108,539	110,816	114,596	117,932	125,045	124,895	124,920
Other nonfederal	14,375	14,379	14,889	14,488	14,636	13,910	14,057	13,771
Domestic	12,719	12,882	13,283	12,921	13,075	11,866	11,909	11,566
Foreign	1,656	1,497	1,606	1,567	1,561	2,044	2,148	2,205
Self-support	64,896	65,677	68,102	72,492	74,680	78,630	84,219	86,860
Agricultural sciences	9,509	9,185	8,977	9,103	9,276	9,564	10,246	10,505
Federal	2,496	2,319	2,259	2,241	2,293	2,010	2,170	2,399
DOD	24	24	25	58	57	26	23	26
DOE	49	53	42	53	53	38	58	70
HHS	90	84	78	74	74	68	69	77
NIH	67	74	67	52	52	61	52	68
Other HHS	23	10	11	22	22	7	17	9
NASA	52	49	42	41	47	39	41	41
NSF	202	211	216	257	257	222	265	339

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
USDA	1,369	1,277	1,169	1,029	1,081	1,064	1,108	1,242
Other	710	621	687	729	724	553	606	604
Institutional	3,926	3,888	3,993	4,169	4,320	4,716	4,606	4,528
Other nonfederal	1,571	1,455	1,286	1,219	1,238	1,259	1,323	1,360
Domestic	1,443	1,351	1,208	1,161	1,175	1,128	1,237	1,235
Foreign	128	104	78	58	63	131	86	125
Self-support	1,516	1,523	1,439	1,474	1,425	1,579	2,147	2,218
Biological sciences	54,139	55,836	57,082	58,011	58,327	58,501	59,235	60,028
Federal	21,624	21,967	22,091	20,925	20,868	19,841	20,420	21,139
DOD	430	346	360	360	356	398	402	437
DOE	224	253	213	178	177	176	198	208
HHS	16,100	16,167	16,595	15,717	15,726	15,082	15,504	15,888
NIH	15,585	15,648	16,086	15,303	15,322	14,624	15,109	15,429
Other HHS	515	519	509	414	404	458	395	459
NASA	105	94	81	65	67	51	54	65
NSF	2,255	2,292	2,204	2,118	2,119	2,123	2,279	2,367
USDA	1,072	1,071	904	901	841	791	769	830
Other	1,438	1,744	1,734	1,586	1,582	1,220	1,214	1,344
Institutional	21,736	22,760	23,134	24,465	24,355	25,173	24,818	24,415
Other nonfederal	3,766	3,939	4,207	4,086	4,058	3,892	3,863	3,770
Domestic	3,522	3,681	3,918	3,816	3,792	3,515	3,401	3,268
Foreign	244	258	289	270	266	377	462	502
Self-support	7,013	7,170	7,650	8,535	9,046	9,595	10,134	10,704
Communication ^a	ne	ne	ne	ne	4,049	4,642	5,429	5,588
Federal	ne	ne	ne	ne	116	91	119	137
DOD	ne	ne	ne	ne	8	8	19	21
DOE	ne	ne	ne	ne	0	0	1	1
HHS	ne	ne	ne	ne	23	28	27	32
NIH	ne	ne	ne	ne	19	24	20	22
Other HHS	ne	ne	ne	ne	4	4	7	10
NASA	ne	ne	ne	ne	0	0	0	0
NSF	ne	ne	ne	ne	14	19	40	48
USDA	ne	ne	ne	ne	7	5	5	4
Other	ne	ne	ne	ne	64	31	27	31
Institutional	ne	ne	ne	ne	2,303	2,725	2,921	2,898
Other nonfederal	ne	ne	ne	ne	209	303	301	287
Domestic	ne	ne	ne	ne	185	293	289	269
Foreign	ne	ne	ne	ne	24	10	12	18
Self-support	ne	ne	ne	ne	1,421	1,523	2,088	2,266
Computer sciences	27,204	26,524	26,937	28,285	27,874	28,850	29,669	30,080
Federal	5,100	5,326	5,008	5,135	5,060	4,920	5,236	5,764
DOD	1,182	1,403	1,196	1,243	1,220	1,201	1,216	1,299
DOE	155	156	164	176	178	141	143	188
HHS	294	327	310	358	357	367	341	385
NIH	261	289	268	331	329	324	307	330
Other HHS	33	38	42	27	28	43	34	55
NASA	141	95	85	102	102	82	74	64
NSF	2,739	2,810	2,708	2,744	2,693	2,630	2,874	3,157
USDA	37	21	32	28	29	10	11	19
Other	552	514	513	484	481	489	577	652
Institutional	8,574	8,530	8,528	8,740	8,648	9,451	9,574	8,911
Other nonfederal	1,698	1,632	1,625	1,495	1,360	1,288	1,430	1,398
Domestic	1,519	1,453	1,421	1,295	1,181	1,070	1,172	1,157
Foreign	179	179	204	200	179	218	258	241
Self-support	11,832	11,036	11,776	12,915	12,806	13,191	13,429	14,007

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Earth, atmospheric, and ocean sciences	11,265	10,999	11,102	10,973	10,570	10,874	11,211	11,868
Federal	3,309	3,277	3,285	3,275	3,161	3,090	3,078	3,272
DOD	128	153	131	116	111	114	99	118
DOE	170	166	117	148	145	148	145	176
HHS	42	29	64	26	26	30	36	34
NIH	25	17	55	25	25	22	24	24
Other HHS	17	12	9	1	1	8	12	10
NASA	456	457	417	429	417	433	444	458
NSF	1,497	1,493	1,537	1,496	1,445	1,445	1,459	1,571
USDA	92	73	70	79	67	71	50	44
Other	924	906	949	981	950	849	845	871
Institutional	5,043	4,842	4,787	4,811	4,603	4,898	5,039	5,217
Other nonfederal	864	941	1,059	885	858	912	926	949
Domestic	792	845	980	788	768	769	775	769
Foreign	72	96	79	97	90	143	151	180
Self-support	2,049	1,939	1,971	2,002	1,948	1,974	2,168	2,430
Family and consumer sciences/human sciences ^a	ne	ne	ne	ne	1,489	1,754	1,903	2,118
Federal	ne	ne	ne	ne	91	99	111	123
DOD	ne	ne	ne	ne	3	6	7	3
DOE	ne	ne	ne	ne	0	0	0	0
HHS	ne	ne	ne	ne	47	38	49	56
NIH	ne	ne	ne	ne	31	28	40	39
Other HHS	ne	ne	ne	ne	16	10	9	17
NASA	ne	ne	ne	ne	0	0	0	0
NSF	ne	ne	ne	ne	9	9	13	11
USDA	ne	ne	ne	ne	4	24	11	19
Other	ne	ne	ne	ne	28	22	31	34
Institutional	ne	ne	ne	ne	743	951	928	1,097
Other nonfederal	ne	ne	ne	ne	78	102	105	90
Domestic	ne	ne	ne	ne	78	100	103	83
Foreign	ne	ne	ne	ne	0	2	2	7
Self-support	ne	ne	ne	ne	577	602	759	808
Mathematical sciences	14,357	14,652	14,995	15,311	15,013	15,636	16,328	16,917
Federal	1,690	1,718	1,738	1,691	1,654	1,594	1,869	1,854
DOD	163	184	175	173	162	169	148	164
DOE	64	69	64	54	53	49	51	61
HHS	174	165	178	189	192	171	205	217
NIH	154	155	152	159	163	155	183	198
Other HHS	20	10	26	30	29	16	22	19
NASA	24	24	18	16	12	13	20	18
NSF	1,018	1,011	1,006	987	963	977	1,139	1,097
USDA	33	35	19	19	19	15	16	36
Other	214	230	278	253	253	200	290	261
Institutional	9,725	9,883	9,910	10,063	9,997	10,606	10,507	10,746
Other nonfederal	371	425	459	515	503	420	474	492
Domestic	295	342	390	460	455	324	349	338
Foreign	76	83	69	55	48	96	125	154
Self-support	2,571	2,626	2,888	3,042	2,859	3,016	3,478	3,825
Multidisciplinary/interdisciplinary studies ^a	ne	ne	ne	ne	2,076	2,818	3,420	4,482
Federal	ne	ne	ne	ne	346	304	351	601
DOD	ne	ne	ne	ne	24	23	22	68
DOE	ne	ne	ne	ne	5	8	6	21
HHS	ne	ne	ne	ne	56	55	75	120
NIH	ne	ne	ne	ne	49	52	71	91
Other HHS	ne	ne	ne	ne	7	3	4	29
NASA	ne	ne	ne	ne	5	4	3	12
NSF	ne	ne	ne	ne	134	113	134	195

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
USDA	ne	ne	ne	ne	13	7	15	21
Other	ne	ne	ne	ne	109	94	96	164
Institutional	ne	ne	ne	ne	807	1,342	1,555	1,916
Other nonfederal	ne	ne	ne	ne	80	122	134	208
Domestic	ne	ne	ne	ne	71	92	93	170
Foreign	ne	ne	ne	ne	9	30	41	38
Self-support	ne	ne	ne	ne	843	1,050	1,380	1,757
Neuroscience ^a	na	na	na	na	1,529	1,908	2,261	2,682
Federal	na	na	na	na	844	1,045	1,200	1,340
DOD	na	na	na	na	9	9	33	44
DOE	na	na	na	na	0	1	1	1
HHS	na	na	na	na	785	957	1,072	1,179
NIH	na	na	na	na	780	948	1,046	1,155
Other HHS	na	na	na	na	5	9	26	24
NASA	na	na	na	na	0	1	0	0
NSF	na	na	na	na	22	53	75	93
USDA	na	na	na	na	0	0	1	1
Other	na	na	na	na	28	24	18	22
Institutional	na	na	na	na	529	656	838	1,039
Other nonfederal	na	na	na	na	88	111	139	153
Domestic	na	na	na	na	82	102	127	144
Foreign	na	na	na	na	6	9	12	9
Self-support	na	na	na	na	68	96	84	150
Physical sciences	31,267	31,921	32,368	32,548	32,327	32,747	33,671	34,280
Federal	11,145	11,149	11,189	11,222	11,147	10,660	11,045	11,183
DOD	1,146	892	906	1,002	996	865	904	935
DOE	1,613	1,695	1,834	1,795	1,791	1,866	1,894	2,011
HHS	2,531	2,615	2,518	2,560	2,531	2,394	2,362	2,264
NIH	2,356	2,473	2,396	2,403	2,374	2,253	2,210	2,156
Other HHS	175	142	122	157	157	141	152	108
NASA	556	574	571	583	582	607	573	630
NSF	4,072	4,131	4,083	3,901	3,873	3,956	4,176	4,307
USDA	41	39	24	34	33	67	32	28
Other	1,186	1,203	1,253	1,347	1,341	905	1,104	1,008
Institutional	16,508	16,954	17,241	17,288	17,227	18,186	18,236	18,554
Other nonfederal	2,083	2,147	2,178	2,188	2,174	1,971	2,033	1,942
Domestic	1,985	2,054	2,067	1,999	1,985	1,736	1,771	1,680
Foreign	98	93	111	189	189	235	262	262
Self-support	1,531	1,671	1,760	1,850	1,779	1,930	2,357	2,601
Psychology ^b	32,111	32,781	32,944	34,801	34,286	35,866	34,585	33,566
Federal	3,411	3,457	3,354	3,305	3,201	2,897	2,966	3,112
DOD	135	143	145	130	115	125	138	168
DOE	27	30	32	30	30	6	0	1
HHS	1,849	1,845	1,732	1,690	1,641	1,594	1,584	1,592
NIH	1,647	1,703	1,599	1,545	1,501	1,390	1,378	1,427
Other HHS	202	142	133	145	140	204	206	165
NASA	27	7	8	2	3	6	6	5
NSF	366	393	415	419	380	361	411	489
USDA	20	15	11	6	6	3	6	5
Other	987	1,024	1,011	1,028	1,026	802	821	852
Institutional	12,426	12,490	12,787	13,643	13,464	13,745	13,215	12,855
Other nonfederal	1,331	1,358	1,505	1,512	1,450	1,215	1,170	1,143
Domestic	1,286	1,328	1,453	1,455	1,399	1,108	1,096	1,034
Foreign	45	30	52	57	51	107	74	109
Self-support	14,943	15,476	15,298	16,341	16,171	18,009	17,234	16,456

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Social sciences	58,187	59,232	61,843	63,564	62,406	64,107	67,116	67,836
Federal	3,471	3,322	3,517	3,226	3,193	3,131	3,338	3,475
DOD	132	130	196	124	124	156	182	183
DOE	55	34	42	50	50	42	26	44
HHS	437	395	375	388	377	381	407	412
NIH	317	304	317	320	309	299	318	309
Other HHS	120	91	58	68	68	82	89	103
NASA	90	82	70	64	63	68	80	74
NSF	794	870	896	896	882	853	943	904
USDA	396	388	335	315	315	335	309	357
Other	1,567	1,423	1,603	1,389	1,382	1,296	1,391	1,501
Institutional	28,584	29,192	30,436	31,417	30,936	32,596	32,658	32,744
Other nonfederal	2,691	2,482	2,570	2,588	2,540	2,315	2,159	1,979
Domestic	1,877	1,828	1,846	1,947	1,904	1,629	1,496	1,419
Foreign	814	654	724	641	636	686	663	560
Self-support	23,441	24,236	25,320	26,333	25,737	26,065	28,961	29,638
Engineering	84,616	82,241	85,134	89,834	90,911	95,077	101,495	106,434
Federal	21,190	21,165	21,251	20,907	21,074	20,701	22,825	25,155
DOD	5,299	5,326	5,331	5,269	5,312	4,764	5,218	5,432
DOE	1,757	1,914	1,934	1,757	1,764	1,836	2,064	2,694
HHS	2,133	2,254	2,481	2,619	2,626	2,782	2,951	3,330
NIH	1,907	2,068	2,346	2,464	2,471	2,649	2,763	3,101
Other HHS	226	186	135	155	155	133	188	229
NASA	1,424	1,270	1,046	999	1,007	1,016	1,120	999
NSF	6,747	6,838	6,907	6,628	6,724	6,838	7,625	8,368
USDA	408	333	332	304	300	299	283	335
Other	3,422	3,230	3,220	3,331	3,341	3,166	3,564	3,997
Institutional	30,549	29,289	30,253	32,098	32,394	34,788	34,741	34,776
Other nonfederal	9,780	9,710	9,709	9,371	9,472	9,530	10,089	10,065
Domestic	8,896	8,866	8,873	8,327	8,408	8,067	8,610	8,501
Foreign	884	844	836	1,044	1,064	1,463	1,479	1,564
Self-support	23,097	22,077	23,921	27,458	27,971	30,058	33,840	36,438
Aerospace engineering	3,190	3,150	3,291	3,379	3,379	3,588	3,845	4,187
Federal	1,214	1,215	1,157	1,135	1,135	1,236	1,346	1,371
DOD	537	557	540	482	482	509	588	645
DOE	50	42	42	47	47	47	43	63
HHS	12	16	17	19	19	12	13	10
NIH	10	15	15	15	15	11	13	10
Other HHS	2	1	2	4	4	1	0	0
NASA	423	382	318	336	336	382	434	345
NSF	116	135	139	131	131	140	143	183
USDA	0	1	1	0	0	0	0	0
Other	76	82	100	120	120	146	125	125
Institutional	909	946	950	1,040	1,040	1,218	1,152	1,222
Other nonfederal	364	281	395	479	479	265	334	343
Domestic	298	244	347	382	382	190	253	254
Foreign	66	37	48	97	97	75	81	89
Self-support	703	708	789	725	725	869	1,013	1,251
Agricultural engineering	842	855	893	917	917	1,022	1,084	1,198
Federal	239	253	268	245	245	279	298	369
DOD	9	13	15	8	8	17	33	16
DOE	0	6	9	10	10	12	26	27
HHS	14	10	7	8	8	10	12	36
NIH	3	7	4	8	8	9	9	13
Other HHS	11	3	3	0	0	1	3	23
NASA	14	7	16	9	9	4	5	8
NSF	25	25	21	30	30	33	39	56

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
USDA	136	121	149	113	113	119	116	140
Other	41	71	51	67	67	84	67	86
Institutional	357	377	400	451	451	492	466	454
Other nonfederal	135	126	106	126	126	129	148	118
Domestic	122	113	97	112	112	96	129	93
Foreign	13	13	9	14	14	33	19	25
Self-support	111	99	119	95	95	122	172	257
Architecture ^a	na	na	na	na	3,981	5,092	5,988	5,959
Federal	na	na	na	na	38	41	104	150
DOD	na	na	na	na	9	5	4	7
DOE	na	na	na	na	2	5	4	18
HHS	na	na	na	na	0	3	3	4
NIH	na	na	na	na	0	2	2	4
Other HHS	na	na	na	na	0	1	1	0
NASA	na	na	na	na	0	0	0	0
NSF	na	na	na	na	6	7	12	18
USDA	na	na	na	na	1	3	1	1
Other	na	na	na	na	20	18	80	102
Institutional	na	na	na	na	1,545	1,955	1,957	2,107
Other nonfederal	na	na	na	na	173	163	301	222
Domestic	na	na	na	na	150	134	265	181
Foreign	na	na	na	na	23	29	36	41
Self-support	na	na	na	na	2,225	2,933	3,626	3,480
Biomedical engineering	5,015	5,232	5,641	5,885	5,908	6,260	6,840	7,375
Federal	1,527	1,639	1,807	2,089	2,100	2,230	2,447	2,709
DOD	88	87	99	93	93	122	157	152
DOE	9	18	25	26	26	42	50	49
HHS	1,002	1,137	1,245	1,412	1,423	1,542	1,618	1,803
NIH	991	1,122	1,234	1,389	1,400	1,500	1,589	1,767
Other HHS	11	15	11	23	23	42	29	36
NASA	42	32	10	15	15	14	15	24
NSF	248	252	280	306	306	352	417	508
USDA	6	5	5	6	6	5	6	16
Other	132	108	143	231	231	153	184	157
Institutional	1,550	1,649	1,828	1,933	1,945	2,175	2,270	2,354
Other nonfederal	719	676	636	527	527	633	688	693
Domestic	690	645	621	509	509	572	620	615
Foreign	29	31	15	18	18	61	68	78
Self-support	1,219	1,268	1,370	1,336	1,336	1,222	1,435	1,619
Chemical engineering	6,346	6,110	6,185	6,249	6,433	6,722	7,058	7,472
Federal	2,146	2,097	2,104	1,985	2,039	2,044	2,121	2,439
DOD	218	204	179	164	173	162	187	215
DOE	352	365	371	352	353	374	373	440
HHS	298	274	328	282	294	302	304	366
NIH	262	236	298	248	260	267	263	343
Other HHS	36	38	30	34	34	35	41	23
NASA	95	90	67	52	52	30	31	35
NSF	873	851	816	814	848	860	913	1,089
USDA	46	46	61	62	62	60	54	48
Other	264	267	282	259	257	256	259	246
Institutional	2,463	2,338	2,336	2,501	2,586	2,759	2,907	2,735
Other nonfederal	957	906	988	970	1,021	1,007	1,038	1,042
Domestic	902	864	927	811	859	861	885	909
Foreign	55	42	61	159	162	146	153	133
Self-support	780	769	757	793	787	912	992	1,256

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Civil engineering ^a	13,348	12,958	12,836	14,352	11,063	11,619	13,120	13,719
Federal	2,150	1,997	1,870	1,888	1,869	1,726	1,978	2,216
DOD	169	180	143	205	200	189	193	179
DOE	90	92	64	73	71	73	108	146
HHS	59	60	56	47	47	38	53	48
NIH	33	32	30	39	39	33	34	35
Other HHS	26	28	26	8	8	5	19	13
NASA	59	68	57	59	65	75	98	107
NSF	702	652	658	653	649	545	637	758
USDA	73	64	40	52	47	45	44	55
Other	998	881	852	799	790	761	845	923
Institutional	5,672	5,303	5,345	6,008	4,707	5,257	5,458	5,475
Other nonfederal	1,239	1,165	1,173	1,145	1,003	1,012	1,024	1,081
Domestic	1,107	1,054	1,079	1,024	897	837	863	892
Foreign	132	111	94	121	106	175	161	189
Self-support	4,287	4,493	4,448	5,311	3,484	3,624	4,660	4,947
Electrical engineering	25,783	25,002	26,259	27,522	27,646	27,813	27,792	28,605
Federal	5,964	6,021	5,975	5,809	5,866	5,888	6,248	6,557
DOD	1,966	1,946	1,937	1,906	1,923	1,969	2,046	2,088
DOE	211	236	244	213	212	186	226	320
HHS	351	360	421	402	402	418	429	431
NIH	291	314	394	378	379	394	397	396
Other HHS	60	46	27	24	23	24	32	35
NASA	333	242	215	215	215	203	204	178
NSF	2,336	2,488	2,481	2,347	2,389	2,492	2,707	2,810
USDA	54	23	21	22	20	14	11	17
Other	713	726	656	704	705	606	625	713
Institutional	8,438	8,221	8,485	8,826	8,841	8,887	8,591	8,104
Other nonfederal	2,776	3,038	2,634	2,539	2,571	2,508	2,483	2,475
Domestic	2,612	2,784	2,434	2,367	2,395	2,234	2,223	2,219
Foreign	164	254	200	172	176	274	260	256
Self-support	8,605	7,722	9,165	10,348	10,368	10,530	10,470	11,469
Engineering science	1,712	1,589	1,639	1,437	1,402	1,444	1,450	1,478
Federal	556	593	581	434	424	453	471	460
DOD	166	164	126	96	96	95	95	81
DOE	65	78	100	77	77	84	109	98
HHS	42	55	58	48	48	51	33	44
NIH	37	46	56	44	44	51	30	44
Other HHS	5	9	2	4	4	0	3	0
NASA	22	20	24	13	13	15	19	19
NSF	207	234	230	166	155	167	178	164
USDA	14	1	1	3	3	5	2	2
Other	40	41	42	31	32	36	35	52
Institutional	753	634	617	615	590	542	548	541
Other nonfederal	176	177	175	103	104	109	125	156
Domestic	157	159	158	95	96	85	105	134
Foreign	19	18	17	8	8	24	20	22
Self-support	227	185	266	285	284	340	306	321
Industrial engineering	6,352	5,822	6,171	6,727	7,109	7,852	7,878	7,829
Federal	957	934	887	769	820	871	996	1,166
DOD	299	336	316	249	268	250	326	377
DOE	45	46	46	32	34	73	55	81
HHS	66	68	65	81	81	78	103	123
NIH	43	56	54	53	52	68	80	97
Other HHS	23	12	11	28	29	10	23	26
NASA	42	48	20	23	28	23	29	28
NSF	328	285	278	249	275	289	309	320

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
USDA	12	9	9	8	8	7	11	6
Other	165	142	153	127	126	151	163	231
Institutional	2,284	2,084	2,255	2,221	2,268	2,567	2,335	2,210
Other nonfederal	592	553	536	506	572	672	647	646
Domestic	512	495	465	407	434	561	518	506
Foreign	80	58	71	99	138	111	129	140
Self-support	2,519	2,251	2,493	3,231	3,449	3,742	3,900	3,807
Mechanical engineering	12,478	11,984	12,408	12,913	12,903	13,456	15,215	16,257
Federal	3,157	3,092	3,228	3,179	3,175	3,167	3,619	4,112
DOD	730	700	777	849	847	852	965	979
DOE	360	342	391	331	331	371	386	585
HHS	179	186	187	190	190	193	221	262
NIH	154	159	171	168	168	183	199	232
Other HHS	25	27	16	22	22	10	22	30
NASA	282	258	217	189	189	193	213	212
NSF	1,036	1,053	1,091	1,076	1,074	1,068	1,255	1,365
USDA	22	19	11	17	17	15	16	22
Other	548	534	554	527	527	475	563	687
Institutional	4,918	4,614	4,816	4,995	4,999	5,215	5,539	5,772
Other nonfederal	1,474	1,383	1,515	1,471	1,459	1,479	1,706	1,725
Domestic	1,322	1,255	1,361	1,314	1,303	1,197	1,435	1,403
Foreign	152	128	154	157	156	282	271	322
Self-support	2,929	2,895	2,849	3,268	3,270	3,595	4,351	4,648
Metallurgical/materials engineering	4,338	4,491	4,606	4,647	4,593	4,784	5,166	5,519
Federal	1,590	1,587	1,628	1,601	1,618	1,690	2,020	2,111
DOD	376	364	369	401	404	388	398	430
DOE	270	319	318	254	261	287	346	433
HHS	50	36	58	64	58	75	85	105
NIH	43	31	57	62	56	75	82	88
Other HHS	7	5	1	2	2	0	3	17
NASA	52	58	52	30	30	33	32	20
NSF	657	639	661	606	615	645	768	809
USDA	4	7	6	5	5	11	16	12
Other	181	164	164	241	245	251	375	302
Institutional	1,511	1,604	1,581	1,675	1,621	1,695	1,646	1,688
Other nonfederal	730	775	815	793	768	761	622	679
Domestic	657	705	755	708	685	633	497	584
Foreign	73	70	60	85	83	128	125	95
Self-support	507	525	582	578	586	638	878	1,041
Mining engineering	229	200	177	199	132	201	205	353
Federal	49	36	28	37	26	23	31	60
DOD	0	1	1	3	0	0	0	0
DOE	18	17	14	10	10	12	6	16
HHS	13	1	1	5	7	4	14	23
NIH	1	0	1	3	5	3	10	14
Other HHS	12	1	0	2	2	1	4	9
NASA	0	2	0	0	0	0	0	1
NSF	7	4	2	5	0	1	4	5
USDA	2	1	1	0	0	0	0	0
Other	9	10	9	14	9	6	7	15
Institutional	105	102	87	83	67	70	60	164
Other nonfederal	18	15	12	23	20	68	72	24
Domestic	16	13	11	23	20	68	72	24
Foreign	2	2	1	0	0	0	0	0
Self-support	57	47	50	56	19	40	42	105

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
Nuclear engineering	809	840	910	960	951	941	968	1,123
Federal	336	368	338	328	326	335	403	503
DOD	48	48	48	35	35	46	60	83
DOE	197	231	208	212	212	182	208	242
HHS	12	12	8	11	9	9	10	7
NIH	6	12	8	10	8	9	10	7
Other HHS	6	0	0	1	1	0	0	0
NASA	13	10	9	16	16	7	10	6
NSF	7	10	5	19	19	17	18	24
USDA	0	0	0	0	0	0	0	0
Other	59	57	60	35	35	74	97	141
Institutional	272	234	337	376	370	345	268	320
Other nonfederal	102	112	102	113	113	127	164	151
Domestic	99	100	89	101	101	100	153	144
Foreign	3	12	13	12	12	27	11	7
Self-support	99	126	133	143	142	134	133	149
Petroleum engineering	658	629	642	786	786	822	988	1,058
Federal	58	97	64	100	100	28	37	68
DOD	2	0	1	0	0	0	0	0
DOE	47	86	51	73	73	15	28	61
HHS	1	0	0	1	1	0	0	0
NIH	0	0	0	0	0	0	0	0
Other HHS	1	0	0	1	1	0	0	0
NASA	0	2	0	7	7	0	0	0
NSF	3	4	5	9	9	3	2	2
USDA	1	3	1	0	0	1	1	1
Other	4	2	6	10	10	9	6	4
Institutional	302	178	203	247	247	258	312	304
Other nonfederal	142	224	248	275	275	349	423	420
Domestic	78	185	192	215	215	282	320	294
Foreign	64	39	56	60	60	67	103	126
Self-support	156	130	127	164	164	187	216	266
Engineering, nec	3,516	3,379	3,476	3,861	3,708	3,461	3,898	4,302
Federal	1,247	1,236	1,316	1,308	1,293	690	706	864
DOD	691	726	780	778	774	160	166	180
DOE	43	36	51	47	45	73	96	115
HHS	34	39	30	49	39	47	53	68
NIH	33	38	24	47	37	44	45	51
Other HHS	1	1	6	2	2	3	8	17
NASA	47	51	41	35	32	37	30	16
NSF	202	206	240	217	218	219	223	257
USDA	38	33	26	16	18	14	5	15
Other	192	145	148	166	167	140	133	213
Institutional	1,015	1,005	1,013	1,127	1,117	1,353	1,232	1,326
Other nonfederal	356	279	374	301	261	248	314	290
Domestic	324	250	337	259	250	217	272	249
Foreign	32	29	37	42	11	31	42	41
Self-support	898	859	773	1,125	1,037	1,170	1,646	1,822
Health ^{a,b}	55,329	57,827	61,756	61,292	59,288	59,943	52,287	46,868
Federal	9,161	8,628	9,209	8,476	7,643	6,520	5,516	5,718
DOD	328	347	361	334	323	316	238	274
DOE	16	16	27	36	34	24	14	24
HHS	6,963	6,608	6,697	6,231	5,443	4,407	3,956	4,171
NIH	4,298	4,067	4,257	4,283	3,493	3,084	2,933	3,172
Other HHS	2,665	2,541	2,440	1,948	1,950	1,323	1,023	999
NASA	25	20	14	8	7	8	3	93
NSF	169	208	283	222	198	206	169	193

TABLE 19. Full-time graduate students in science, engineering, and health in doctorate-granting institutions, by field and primary source of support: 2004–10

Field and primary source of support	2004	2005	2006	2007old ^a	2007new ^a	2008	2009	2010
USDA	84	87	98	75	89	68	81	100
Other	1,576	1,342	1,729	1,570	1,549	1,491	1,055	863
Institutional	12,111	13,113	13,787	15,325	14,758	14,214	12,778	12,038
Other nonfederal	2,565	2,614	3,042	2,900	2,800	2,277	2,439	2,098
Domestic	2,321	2,423	2,861	2,653	2,558	2,029	2,147	1,755
Foreign	244	191	181	247	242	248	292	343
Self-support	31,492	33,472	35,718	34,591	34,087	36,932	31,554	27,014

na = not applicable; data were not collected at this level of detail. ne = not eligible; data were not collected for this field prior to 2007.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; nec = not elsewhere classified; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a In 2007, eligible fields were reclassified, newly eligible fields were added, and survey was redesigned to improve coverage and coding of eligible units. "2007new" presents data as collected in 2007; "2007old" shows data as they would have been collected in prior years. Science fields "communication" and "family and consumer sciences/human sciences" are newly eligible; data for these two fields are only in 2007new. Science field "multidisciplinary/interdisciplinary studies" is also newly eligible; data may have been reported under other fields before 2007. "Neuroscience" is reported as separate field of science in 2007new; data were reported under health field "neurology" in 2007old and previous years. "Architecture" is reported as separate field of engineering in 2007new; data were reported under "civil engineering" in 2007old and previous years. See appendix A in <http://www.nsf.gov/statistics/nsf10307/> for more detail.

^b Beginning with 2008, more rigorous follow-up was done with institutions regarding exclusion of practitioner-oriented graduate degree programs in psychology and in other health (a subfield of health). This change may affect interpretation of trends in these fields.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering.