

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
All sources	327,289	327,389	334,423	341,283	354,522	379,007	397,384	402,161
Federal	64,522	63,759	65,796	67,588	68,873	75,583	81,776	83,146
DOD	9,021	8,259	8,026	8,141	7,960	7,977	9,204	8,232
DOE ^a	NA	NA	2,749	2,995	3,116	3,548	4,024	4,096
HHS	22,530	22,704	23,442	23,490	24,337	26,974	29,231	30,999
NIH	18,087	18,215	19,019	19,472	19,876	22,101	24,243	26,622
Other HHS	4,443	4,489	4,423	4,018	4,461	4,873	4,988	4,377
NASA	2,586	2,646	2,579	2,780	2,819	3,082	3,230	2,914
NSF	13,362	13,459	13,835	14,599	15,429	17,138	19,308	20,031
USDA	2,646	2,485	2,634	2,630	2,735	3,100	3,468	3,527
Other ^a	14,377	14,206	12,531	12,953	12,477	13,764	13,311	13,347
Institutional	128,927	128,995	133,182	133,401	140,719	147,822	151,659	154,022
Other nonfederal	25,099	26,411	26,029	27,862	28,294	28,957	29,255	27,759
Domestic	20,251	22,157	22,099	24,014	24,458	25,598	26,157	24,890
Foreign	4,848	4,254	3,930	3,848	3,836	3,359	3,098	2,869
Self-support	108,741	108,224	109,416	112,432	116,636	126,645	134,694	137,234
Science and engineering	280,669	278,943	283,893	291,355	304,021	325,517	339,028	340,615
Federal	56,798	55,810	57,332	59,224	60,237	66,386	72,343	73,530
DOD	8,701	7,959	7,662	7,734	7,715	7,693	8,908	7,928
DOE ^a	NA	NA	2,719	2,980	3,105	3,540	4,011	4,084
HHS	16,816	16,740	17,246	17,684	18,098	20,196	22,242	23,822
NIH	15,352	15,308	15,987	16,315	16,578	18,597	20,441	22,365
Other HHS	1,464	1,432	1,259	1,369	1,520	1,599	1,801	1,457
NASA	2,565	2,620	2,564	2,762	2,797	3,066	3,217	2,898
NSF	13,264	13,339	13,712	14,475	15,300	17,010	19,160	19,877
USDA	2,603	2,426	2,573	2,568	2,685	3,026	3,390	3,450
Other ^a	12,849	12,726	10,856	11,021	10,537	11,855	11,415	11,471
Institutional	119,227	118,944	122,271	122,429	129,746	136,301	139,479	140,994
Other nonfederal	23,124	24,201	23,811	25,403	25,745	26,245	26,504	25,016
Domestic	18,762	20,379	20,303	21,913	22,286	23,215	23,736	22,413
Foreign	4,362	3,822	3,508	3,490	3,459	3,030	2,768	2,603
Self-support	81,520	79,988	80,479	84,299	88,293	96,585	100,702	101,075
Science	214,981	213,508	215,870	219,079	226,573	240,065	248,812	253,570
Federal	40,909	40,289	41,427	42,517	43,165	47,524	50,870	52,686
DOD	3,927	3,643	3,309	3,259	3,331	3,293	3,426	3,087
DOE ^a	NA	NA	1,732	1,772	1,813	2,011	2,292	2,316
HHS	15,901	15,839	16,285	16,550	16,810	18,730	20,286	21,668
NIH	14,586	14,554	15,143	15,317	15,445	17,315	18,796	20,458
Other HHS	1,315	1,285	1,142	1,233	1,365	1,415	1,490	1,210
NASA	1,304	1,375	1,429	1,492	1,443	1,572	1,575	1,466
NSF	8,653	8,620	8,768	9,264	9,866	11,058	12,434	13,058
USDA	2,371	2,229	2,333	2,351	2,425	2,689	2,971	3,046
Other ^a	8,753	8,583	7,571	7,829	7,477	8,171	7,886	8,045
Institutional	95,431	95,543	97,017	96,358	101,913	105,895	108,256	109,930
Other nonfederal	14,152	14,439	14,277	14,818	14,709	14,966	15,359	14,921
Domestic	11,230	11,825	11,886	12,417	12,338	12,915	13,516	13,219
Foreign	2,922	2,614	2,391	2,401	2,371	2,051	1,843	1,702
Self-support	64,489	63,237	63,149	65,386	66,786	71,680	74,327	76,033
Agricultural sciences	9,362	9,199	9,371	9,357	9,405	9,685	10,003	10,040
Federal	1,843	1,722	1,943	1,938	1,974	2,156	2,505	2,516
DOD	38	47	28	42	47	34	33	24
DOE ^a	NA	NA	41	45	29	55	58	49
HHS	31	32	29	57	51	87	89	90
NIH	22	16	17	37	40	64	60	67
Other HHS	9	16	12	20	11	23	29	23
NASA	28	36	55	65	63	74	90	52
NSF	105	94	114	113	138	124	211	202

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
USDA	999	988	1,077	1,043	1,065	1,156	1,333	1,369
Other ^a	642	525	599	573	581	626	691	730
Institutional	3,745	3,847	3,865	3,870	4,060	4,109	3,949	4,050
Other nonfederal	1,653	1,640	1,630	1,711	1,567	1,549	1,584	1,603
Domestic	1,311	1,339	1,371	1,475	1,380	1,426	1,413	1,474
Foreign	342	301	259	236	187	123	171	129
Self-support	2,121	1,990	1,933	1,838	1,804	1,871	1,965	1,871
Biological sciences	46,657	46,779	46,946	46,787	48,138	51,596	54,350	55,819
Federal	16,275	16,176	16,462	16,670	16,733	18,629	20,178	21,729
DOD	373	356	338	329	369	393	363	437
DOE ^a	NA	NA	155	171	166	180	193	219
HHS	11,878	11,918	12,265	12,263	12,315	13,679	14,886	16,184
NIH	11,294	11,301	11,771	11,688	11,651	12,959	14,161	15,623
Other HHS	584	617	494	575	664	720	725	561
NASA	109	102	101	100	77	115	98	106
NSF	1,538	1,539	1,495	1,600	1,619	1,819	2,137	2,254
USDA	865	752	803	781	817	992	1,034	1,067
Other ^a	1,512	1,509	1,305	1,426	1,370	1,451	1,467	1,462
Institutional	20,146	20,111	20,354	20,137	21,178	21,791	22,369	22,269
Other nonfederal	3,537	3,736	3,301	3,378	3,591	3,852	3,990	3,849
Domestic	3,021	3,212	2,843	2,954	3,225	3,545	3,702	3,591
Foreign	516	524	458	424	366	307	288	258
Self-support	6,699	6,756	6,829	6,602	6,636	7,324	7,813	7,972
Computer sciences	18,335	19,972	22,687	26,558	30,087	32,579	30,708	29,281
Federal	3,173	3,309	3,349	3,675	4,248	4,958	5,325	5,115
DOD	1,434	1,307	1,208	1,220	1,284	1,303	1,379	1,187
DOE ^a	NA	NA	109	111	120	138	159	151
HHS	106	110	107	122	173	240	303	296
NIH	78	75	64	84	101	185	231	260
Other HHS	28	35	43	38	72	55	72	36
NASA	122	124	111	142	166	203	226	140
NSF	1,087	1,171	1,309	1,495	1,867	2,344	2,717	2,757
USDA	12	10	20	16	25	41	39	35
Other ^a	412	587	485	569	613	689	502	549
Institutional	5,912	6,206	7,033	7,838	8,975	9,537	9,257	9,062
Other nonfederal	1,184	1,311	1,529	1,906	1,925	1,908	1,948	1,733
Domestic	1,025	1,137	1,393	1,640	1,604	1,684	1,758	1,547
Foreign	159	174	136	266	321	224	190	186
Self-support	8,066	9,146	10,776	13,139	14,939	16,176	14,178	13,371
Earth, atmospheric, and ocean sciences	10,510	10,444	10,484	10,558	10,504	11,116	11,497	11,685
Federal	3,119	2,959	2,965	2,992	2,916	3,041	3,306	3,343
DOD	366	336	336	280	257	201	254	128
DOE ^a	NA	NA	124	144	137	167	155	172
HHS	40	38	37	57	60	47	68	41
NIH	27	21	17	40	37	32	52	24
Other HHS	13	17	20	17	23	15	16	17
NASA	355	390	409	457	456	470	420	457
NSF	1,201	1,122	1,128	1,140	1,127	1,205	1,376	1,513
USDA	52	77	55	50	65	74	85	93
Other ^a	1,105	996	876	864	814	877	948	939
Institutional	4,387	4,441	4,748	4,620	4,670	4,897	5,083	5,213
Other nonfederal	884	860	847	905	904	1,099	882	920
Domestic	700	696	687	760	719	905	766	848
Foreign	184	164	160	145	185	194	116	72
Self-support	2,120	2,184	1,924	2,041	2,014	2,079	2,226	2,209
Mathematical sciences	12,144	11,751	11,796	11,740	12,467	13,709	14,627	14,881

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
Federal	1,152	1,044	1,103	1,368	1,388	1,619	1,680	1,744
DOD	363	283	227	239	212	166	232	163
DOE ^a	NA	NA	44	40	40	42	53	61
HHS	96	100	105	92	108	165	154	175
NIH	66	68	78	76	89	133	119	154
Other HHS	30	32	27	16	19	32	35	21
NASA	19	11	15	23	23	20	23	24
NSF	386	384	441	635	763	944	975	1,051
USDA	16	7	7	7	20	14	9	28
Other ^a	272	259	264	332	222	268	234	242
Institutional	8,469	8,289	8,267	8,187	8,635	9,104	9,650	9,898
Other nonfederal	491	453	439	438	417	555	520	435
Domestic	314	314	313	309	297	441	425	356
Foreign	177	139	126	129	120	114	95	79
Self-support	2,032	1,965	1,987	1,747	2,027	2,431	2,777	2,804
Physical sciences	26,882	26,391	26,635	26,492	27,179	28,619	30,441	31,686
Federal	9,450	9,123	9,239	9,211	9,284	9,950	10,615	10,969
DOD	1,037	994	881	864	855	860	885	874
DOE ^a	NA	NA	1,181	1,170	1,260	1,368	1,607	1,585
HHS	1,955	1,891	1,844	1,974	2,113	2,346	2,446	2,559
NIH	1,639	1,631	1,655	1,769	1,858	2,114	2,179	2,349
Other HHS	316	260	189	205	255	232	267	210
NASA	586	595	562	533	506	544	574	565
NSF	3,372	3,318	3,279	3,287	3,327	3,591	3,868	4,126
USDA	31	40	33	51	42	51	66	42
Other ^a	2,469	2,285	1,459	1,332	1,181	1,190	1,169	1,218
Institutional	14,132	14,101	14,118	13,850	14,503	15,037	16,099	16,902
Other nonfederal	1,863	1,852	1,926	1,915	1,977	2,034	2,104	2,141
Domestic	1,645	1,663	1,754	1,747	1,850	1,913	1,977	2,041
Foreign	218	189	172	168	127	121	127	100
Self-support	1,437	1,315	1,352	1,516	1,415	1,598	1,623	1,674
Psychology	35,551	35,148	34,658	34,919	34,487	34,707	35,774	37,805
Federal	2,720	2,927	3,229	3,278	3,248	3,600	3,583	3,624
DOD	113	128	117	135	140	170	150	140
DOE ^a	NA	NA	41	25	1	9	10	24
HHS	1,465	1,445	1,554	1,605	1,616	1,756	1,866	1,883
NIH	1,198	1,226	1,275	1,328	1,392	1,512	1,621	1,666
Other HHS	267	219	279	277	224	244	245	217
NASA	20	24	41	36	27	37	27	31
NSF	277	283	310	277	283	297	330	363
USDA	7	8	13	16	13	4	17	16
Other ^a	838	1,039	1,153	1,184	1,168	1,327	1,183	1,167
Institutional	13,480	13,261	13,235	12,517	13,101	13,193	13,280	13,559
Other nonfederal	1,219	1,349	1,397	1,342	1,238	1,182	1,314	1,404
Domestic	1,162	1,296	1,341	1,291	1,173	1,126	1,231	1,358
Foreign	57	53	56	51	65	56	83	46
Self-support	18,132	17,611	16,797	17,782	16,900	16,732	17,597	19,218
Social sciences	55,540	53,824	53,293	52,668	54,306	58,054	61,412	62,373
Federal	3,177	3,029	3,137	3,385	3,374	3,571	3,678	3,646
DOD	203	192	174	150	167	166	130	134
DOE ^a	NA	NA	37	66	60	52	57	55
HHS	330	305	344	380	374	410	474	440
NIH	262	216	266	295	277	316	373	315
Other HHS	68	89	78	85	97	94	101	125
NASA	65	93	135	136	125	109	117	91
NSF	687	709	692	717	742	734	820	792
USDA	389	347	325	387	378	357	388	396

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
Other ^a	1,503	1,383	1,430	1,549	1,528	1,743	1,692	1,738
Institutional	25,160	25,287	25,397	25,339	26,791	28,227	28,569	28,977
Other nonfederal	3,321	3,238	3,208	3,223	3,090	2,787	3,017	2,836
Domestic	2,052	2,168	2,184	2,241	2,090	1,875	2,244	2,004
Foreign	1,269	1,070	1,024	982	1,000	912	773	832
Self-support	23,882	22,270	21,551	20,721	21,051	23,469	26,148	26,914
Engineering	65,688	65,435	68,023	72,276	77,448	85,452	90,216	87,045
Federal	15,889	15,521	15,905	16,707	17,072	18,862	21,473	20,844
DOD	4,774	4,316	4,353	4,475	4,384	4,400	5,482	4,841
DOE ^a	NA	NA	987	1,208	1,292	1,529	1,719	1,768
HHS	915	901	961	1,134	1,288	1,466	1,956	2,154
NIH	766	754	844	998	1,133	1,282	1,645	1,907
Other HHS	149	147	117	136	155	184	311	247
NASA	1,261	1,245	1,135	1,270	1,354	1,494	1,642	1,432
NSF	4,611	4,719	4,944	5,211	5,434	5,952	6,726	6,819
USDA	232	197	240	217	260	337	419	404
Other ^a	4,096	4,143	3,285	3,192	3,060	3,684	3,529	3,426
Institutional	23,796	23,401	25,254	26,071	27,833	30,406	31,223	31,064
Other nonfederal	8,972	9,762	9,534	10,585	11,036	11,279	11,145	10,095
Domestic	7,532	8,554	8,417	9,496	9,948	10,300	10,220	9,194
Foreign	1,440	1,208	1,117	1,089	1,088	979	925	901
Self-support	17,031	16,751	17,330	18,913	21,507	24,905	26,375	25,042
Chemical engineering	5,821	5,630	5,593	5,861	5,829	6,279	6,414	6,379
Federal	1,671	1,701	1,669	1,672	1,692	1,965	2,055	2,146
DOD	170	160	161	113	140	181	265	218
DOE ^a	NA	NA	220	242	257	310	327	357
HHS	137	141	149	155	179	219	245	296
NIH	121	111	127	128	136	185	210	260
Other HHS	16	30	22	27	43	34	35	36
NASA	80	98	101	102	108	119	103	95
NSF	708	756	744	770	721	823	841	871
USDA	43	39	37	35	35	45	35	46
Other ^a	533	507	257	255	252	268	239	263
Institutional	2,234	2,126	2,295	2,299	2,241	2,446	2,540	2,440
Other nonfederal	1,129	947	973	1,081	1,095	1,094	995	996
Domestic	949	834	899	977	984	1,011	932	941
Foreign	180	113	74	104	111	83	63	55
Self-support	787	856	656	809	801	774	824	797
Civil engineering	11,406	11,154	11,237	11,754	12,102	12,981	13,710	13,587
Federal	1,807	1,670	1,668	1,934	1,943	2,104	2,185	2,154
DOD	232	192	157	160	178	182	148	168
DOE ^a	NA	NA	50	84	82	84	94	90
HHS	47	46	44	51	27	36	61	61
NIH	41	35	39	40	26	29	45	33
Other HHS	6	11	5	11	1	7	16	28
NASA	121	61	56	74	79	93	87	59
NSF	529	544	538	596	587	648	704	700
USDA	40	28	35	36	38	50	69	73
Other ^a	838	799	788	933	952	1,011	1,022	1,003
Institutional	4,722	4,588	4,865	4,941	4,977	5,386	5,553	5,651
Other nonfederal	1,114	1,136	1,119	1,357	1,479	1,370	1,483	1,252
Domestic	859	922	931	1,193	1,303	1,255	1,378	1,120
Foreign	255	214	188	164	176	115	105	132
Self-support	3,763	3,760	3,585	3,522	3,703	4,121	4,489	4,530
Electrical engineering	18,999	19,608	20,521	22,962	25,240	28,240	28,929	26,732
Federal	4,391	4,316	4,608	5,052	4,968	5,702	6,198	6,007

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
DOD	1,938	1,803	1,848	2,080	1,976	1,942	2,233	1,973
DOE ^a	NA	NA	71	93	138	193	189	209
HHS	117	102	104	187	149	180	356	350
NIH	70	79	87	145	109	145	246	290
Other HHS	47	23	17	42	40	35	110	60
NASA	229	244	272	284	332	384	373	334
NSF	1,346	1,304	1,473	1,586	1,641	1,945	2,256	2,368
USDA	15	12	10	12	13	21	57	45
Other ^a	746	851	830	810	719	1,037	734	728
Institutional	6,776	6,602	7,197	7,390	8,038	8,672	8,933	8,567
Other nonfederal	2,711	3,124	2,840	3,278	3,433	3,550	3,310	2,820
Domestic	2,376	2,846	2,561	3,027	3,184	3,312	3,080	2,656
Foreign	335	278	279	251	249	238	230	164
Self-support	5,121	5,566	5,876	7,242	8,801	10,316	10,488	9,338
Industrial engineering	5,116	4,894	5,500	6,049	6,534	7,200	7,098	6,591
Federal	608	586	711	805	803	827	989	968
DOD	198	180	252	235	241	242	251	303
DOE ^a	NA	NA	12	31	46	42	58	45
HHS	36	32	33	34	40	58	73	66
NIH	30	25	20	21	29	31	36	43
Other HHS	6	7	13	13	11	27	37	23
NASA	23	32	28	26	29	29	58	43
NSF	145	175	220	258	276	277	387	334
USDA	1	4	2	7	8	6	11	12
Other ^a	205	163	164	214	163	173	151	165
Institutional	1,706	1,732	1,929	2,129	2,429	2,618	2,364	2,329
Other nonfederal	510	548	577	683	746	756	695	600
Domestic	406	448	488	576	605	640	617	520
Foreign	104	100	89	107	141	116	78	80
Self-support	2,292	2,028	2,283	2,432	2,556	2,999	3,050	2,694
Mechanical engineering	10,432	10,073	10,331	10,795	11,436	12,512	13,356	12,787
Federal	2,626	2,607	2,591	2,656	2,776	2,976	3,417	3,134
DOD	766	728	713	652	689	618	876	732
DOE ^a	NA	NA	207	239	214	312	351	360
HHS	109	104	112	112	159	159	166	179
NIH	70	71	87	105	147	144	135	150
Other HHS	39	33	25	7	12	15	31	29
NASA	291	290	242	292	280	316	350	286
NSF	841	908	882	915	1,002	1,035	1,104	1,042
USDA	12	5	21	7	11	10	20	22
Other ^a	607	572	414	439	421	526	550	513
Institutional	3,913	3,829	4,042	4,228	4,483	4,983	5,055	4,966
Other nonfederal	1,460	1,611	1,604	1,764	1,692	1,731	1,740	1,558
Domestic	1,286	1,467	1,434	1,565	1,545	1,608	1,610	1,407
Foreign	174	144	170	199	147	123	130	151
Self-support	2,433	2,026	2,094	2,147	2,485	2,822	3,144	3,129
Other engineering	13,914	14,076	14,841	14,855	16,307	18,240	20,709	20,969
Federal	4,786	4,641	4,658	4,588	4,890	5,288	6,629	6,435
DOD	1,470	1,253	1,222	1,235	1,160	1,235	1,709	1,447
DOE ^a	NA	NA	427	519	555	588	700	707
HHS	469	476	519	595	734	814	1,055	1,202
NIH	434	433	484	559	686	748	973	1,131
Other HHS	35	43	35	36	48	66	82	71
NASA	517	520	436	492	526	553	671	615
NSF	1,042	1,032	1,087	1,086	1,207	1,224	1,434	1,504
USDA	121	109	135	120	155	205	227	206
Other ^a	1,167	1,251	832	541	553	669	833	754

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1997–2004

Field and primary source of support	1997	1998	1999	2000	2001	2002	2003	2004
Institutional	4,445	4,524	4,926	5,084	5,665	6,301	6,778	7,111
Other nonfederal	2,048	2,396	2,421	2,422	2,591	2,778	2,922	2,869
Domestic	1,656	2,037	2,104	2,158	2,327	2,474	2,603	2,550
Foreign	392	359	317	264	264	304	319	319
Self-support	2,635	2,515	2,836	2,761	3,161	3,873	4,380	4,554
Health fields	46,620	48,446	50,530	49,928	50,501	53,490	58,356	61,546
Federal	7,724	7,949	8,464	8,364	8,636	9,197	9,433	9,616
DOD	320	300	364	407	245	284	296	304
DOE ^a	NA	NA	30	15	11	8	13	12
HHS	5,714	5,964	6,196	5,806	6,239	6,778	6,989	7,177
NIH	2,735	2,907	3,032	3,157	3,298	3,504	3,802	4,257
Other HHS	2,979	3,057	3,164	2,649	2,941	3,274	3,187	2,920
NASA	21	26	15	18	22	16	13	16
NSF	98	120	123	124	129	128	148	154
USDA	43	59	61	62	50	74	78	77
Other ^a	1,528	1,480	1,675	1,932	1,940	1,909	1,896	1,876
Institutional	9,700	10,051	10,911	10,972	10,973	11,521	12,180	13,028
Other nonfederal	1,975	2,210	2,218	2,459	2,549	2,712	2,751	2,743
Domestic	1,489	1,778	1,796	2,101	2,172	2,383	2,421	2,477
Foreign	486	432	422	358	377	329	330	266
Self-support	27,221	28,236	28,937	28,133	28,343	30,060	33,992	36,159

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NA = not available; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = United States Department of Agriculture.

^a Data for DOE were not collected separately until 1999. Students supported by DOE before 1999 were included under other federal support.

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