



Graduate Students and Postdoctorates in Science and Engineering: Fall 2006

Detailed Statistical Tables | NSF 08-306 | April 2008

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General Notes

Data presented here are derived from the fall 2006 National Science Foundation-National Institutes of Health Survey of Graduate Students and Postdoctorates in Science and Engineering. Unless otherwise specified, the published data represent estimates of total enrollment in science, engineering, and health-related programs in 12,320 graduate departments at 586 institutions in the United States and outlying areas.

Collection of graduate enrollment and postdoctoral employment data began in 1966. Given the need to remain relevant to the needs of those who use the resulting data, the survey has been modified since its inception. These modifications include changes in coverage of institutions and fields, in definitions, and in the kinds of demographic data collected. (See appendix A, "Technical Notes," for further information.) Because survey modifications occur and institutions may revise their data for earlier years, only the latest trend data published in this report should be used in historical analyses.

Data Tables

Table	Graduate enrollment in all institutions
	Trends: 1975–2006
	by level of enrollment, broad field, and location
1	total: 1975–2006 (selected years)
	by field
2	total: 1975–2006
3	male: 1977–2006
4	female: 1977–2006
	full-time enrollment, by field
5	total: 1975–2006
6	male: 1976–2006
7	female: 1976–2006
8	U.S. citizen or permanent resident: 1980–2006
9	temporary visa holder: 1980–2006
	Trends by field: 1999–2006
	detailed fields
10	total
11	male
12	female
13	public institutions
14	private institutions
	by citizenship and race/ethnicity of U.S. citizens and permanent residents
15	total
16	male
17	female
	Full time, by field: 1999–2006
	detailed fields
18	total
19	male
20	female
21	temporary visa holders
	by citizenship and race/ethnicity of U.S. citizens and permanent residents
22	total
	support
23	primary source, by field
24	primary mechanism, by field
25	primary mechanism and primary source
	First time, full time, by field: 1999–2006
	detailed fields

26	total: 1999–2006
27	U.S. citizen or permanent resident: 2001–06
28	temporary visa holder: 2001–06
	by citizenship and race/ethnicity of U.S. citizens and permanent residents
29	total: 2001–06
	By citizenship and race/ethnicity of U.S. citizens and permanent residents: 2006
	by detailed field
30	total
31	male
32	female
	by region, state, and institution
33	science fields
34	engineering fields

Table **Doctorate-granting institutions**
Graduate enrollment, by field: 1999–2006

	detailed fields
35	total
36	public institutions
37	private institutions
	citizenship and race/ethnicity of U.S. citizens and permanent residents
38	enrollment status
39	detailed field: 2006
	full-time enrollment
	by detailed field
40	total
41	U.S. citizen or permanent resident
42	temporary visa holder
	by primary source of support
43	by field
44	by sex and field: 2006
	by primary mechanism of support
45	by field
46	by detailed field: 2006
47	by primary source
	institutional rankings
48	by graduate enrollment in 2006
	Postdoctoral appointees
	by detailed field
49	1999–2006
50	by primary source of support and citizenship: 2006

by area of study

51 institutions ranked by number of appointees: 2006

Nonfaculty research staff with doctorates

52 by detailed field: 1999–2006

Table **Historically black colleges and universities (HCBUs)**

All graduate enrollment: 2006

53 by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents

Black, non-Hispanic U.S. citizens or permanent residents

in all institutions and HBCUs, by field

54 total: 1999–2006

55 by sex: 2001–06

full-time enrollment

56 total: 1999–2006

57 by sex: 2001–06

TABLE 1. Total enrollment in all institutions of higher education, by level of enrollment, broad field, and location: 1975–2006 (selected years)

Location	Total	Undergraduate enrollment	Graduate enrollment					First professional enrollment
			All fields	Science	Engineering	Health fields	Other	
All U.S. institutions								
1975	11,289,129	9,777,634	1,267,537	234,649	68,332	25,529	939,027	243,958
1980	12,234,644	10,603,579	1,351,268	251,265	74,335	41,478	984,190	279,797
1985	12,411,945	10,749,752	1,384,862	261,973	96,018	46,030	980,841	277,331
1990	13,983,255	12,110,847	1,596,037	289,383	107,658	55,072	1,143,924	276,371
1991	14,527,724	12,595,335	1,648,952	299,057	113,535	58,620	1,177,740	283,437
1992	14,657,118	12,693,778	1,679,644	312,478	118,039	63,005	1,186,122	283,696
1993	14,477,792	12,482,813	1,699,292	318,851	116,872	68,581	1,194,988	295,687
1994	14,449,476	12,417,701	1,734,371	318,118	113,024	73,257	1,229,972	297,404
1995	14,445,438	12,399,826	1,745,130	315,265	107,201	77,174	1,245,490	300,482
1996	14,550,056	12,492,977	1,755,635	311,957	103,224	78,898	1,261,556	301,444
1997	14,680,488	12,612,475	1,766,705	306,482	101,148	79,578	1,279,497	301,308
1998	14,711,280	12,624,375	1,781,327	304,818	100,038	80,771	1,295,700	305,578
1999	NA	NA	NA	309,491	101,691	82,074	NA	NA
2000	15,506,922	13,329,803	1,867,092	309,424	104,112	79,775	1,373,781	310,027
2001	16,129,629	13,895,335	1,922,155	319,736	109,493	80,378	1,412,548	312,139
2002	16,822,915	14,444,738	2,055,584	335,166	119,668	85,570	1,515,180	322,593
2003	17,118,126	14,666,119	2,119,244	347,268	127,377	92,476	1,552,123	332,763
2004	17,492,964	14,974,136	2,180,524	352,307	123,566	98,590	1,606,061	338,304
2005	17,710,640	15,157,730	2,212,015	357,710	120,565	103,951	1,629,789	340,895
2006	NA	NA	NA	363,246	123,041	111,356	NA	NA
50 U.S. states and DC								
1975	11,184,859	9,679,455	1,263,137	233,774	68,278	25,183	935,902	242,267
1980	12,096,895	10,475,055	1,344,073	249,767	74,287	41,142	978,877	277,767
1985	12,247,055	10,596,674	1,376,181	260,075	95,916	45,478	974,712	274,200
1990	13,818,637	11,959,106	1,586,165	287,713	107,549	54,476	1,136,427	273,366
1991	14,358,953	12,439,287	1,639,135	297,252	113,367	57,991	1,170,525	280,531
1992	14,487,359	12,537,700	1,668,737	310,664	117,829	62,269	1,177,975	280,922
1993	14,304,803	12,323,959	1,688,413	316,991	116,659	67,842	1,186,921	292,431
1994	14,278,790	12,262,608	1,721,469	316,234	112,827	72,483	1,219,925	294,713
1995	14,261,781	12,231,719	1,732,470	313,241	106,984	76,280	1,235,965	297,592
1996	14,367,520	12,326,948	1,742,260	309,948	102,970	78,082	1,251,260	298,312
1997	14,502,334	12,450,587	1,753,489	304,442	100,865	78,994	1,269,188	298,258
1998	14,530,036	12,460,006	1,767,557	302,544	99,771	80,193	1,285,049	302,473
1999	NA	NA	NA	307,055	101,444	81,291	NA	NA
2000	15,312,289	13,155,393	1,850,271	306,672	103,833	78,791	1,360,975	306,625
2001	15,927,987	13,715,610	1,903,730	316,904	109,190	79,330	1,398,306	308,647
2002	16,611,711	14,257,077	2,035,652	332,045	119,342	84,592	1,499,673	318,982
2003	16,900,471	14,473,884	2,097,511	344,188	127,011	91,433	1,534,879	329,076
2004	17,272,044	14,780,630	2,156,885	349,204	123,210	97,677	1,586,794	334,529
2005	17,487,475	14,963,964	2,186,487	354,341	120,209	102,978	1,608,959	337,024
2006	NA	NA	NA	359,925	122,701	110,415	NA	NA
Outlying areas								
1975	104,270	98,179	4,400	875	54	346	3,125	1,691
1980	137,749	128,524	7,195	1,498	48	336	5,313	2,030
1985	164,890	153,078	8,681	1,898	102	552	6,129	3,131
1990	164,618	151,741	9,872	1,670	109	596	7,497	3,005
1991	168,771	156,048	9,817	1,805	168	629	7,215	2,906
1992	169,759	156,078	10,907	1,814	210	736	8,147	2,774
1993	172,989	158,854	10,879	1,860	213	739	8,067	3,256
1994	170,686	155,093	12,902	1,884	197	774	10,047	2,691
1995	183,657	168,107	12,660	2,024	217	894	9,525	2,890
1996	182,536	166,029	13,375	2,009	254	816	10,296	3,132
1997	178,154	161,888	13,216	2,040	283	584	10,309	3,050
1998	181,244	164,369	13,770	2,274	267	578	10,651	3,105
1999	NA	NA	NA	2,436	247	783	NA	NA
2000	194,633	174,410	16,821	2,752	279	984	12,806	3,402

TABLE 1. Total enrollment in all institutions of higher education, by level of enrollment, broad field, and location: 1975–2006 (selected years)

Location	Total	Undergraduate	Graduate enrollment					First professional enrollment
		enrollment	All fields	Science	Engineering	Health fields	Other	
2001	201,642	179,725	18,425	2,832	303	1,048	14,242	3,492
2002	211,204	187,661	19,932	3,121	326	978	15,507	3,611
2003	217,655	192,235	21,733	3,080	366	1,043	17,244	3,687
2004	220,920	193,506	23,639	3,103	356	913	19,267	3,775
2005	223,165	193,766	25,528	3,369	356	973	20,830	3,871
2006	NA	NA	NA	3,321	340	941	NA	NA

NA = not available.

NOTE: Outlying areas include American Samoa, Federated States of Micronesia, Guam, Marshall Islands, Northern Mariana Islands, Palau, Puerto Rico, and U.S. Virgin Islands.

SOURCES: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Fall Enrollment Survey, and National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.

TABLE 2. Graduate students in science, engineering, and health fields in all institutions, by field: 1975–2006

Year	Science										Engineering									Health fields
	All science and engineering	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	Metalurgical/materials engineering	Other	
1975	302,981	234,649	10,804	46,185	8,415	12,079	16,892	26,310	36,191	77,773	68,332	1,670	5,095	12,560	16,320	11,663	8,601	2,376	10,047	25,529
1976	305,398	238,675	11,427	47,453	8,627	12,809	17,071	26,641	37,458	77,189	66,723	1,477	5,271	11,995	15,926	10,687	8,313	2,398	10,656	28,318
1977	311,689	242,932	11,812	48,975	9,108	13,446	16,052	26,864	38,617	78,058	68,757	1,518	5,273	12,335	17,406	10,438	8,722	2,585	10,480	33,685
1978 ^a	304,252	236,465	11,981	47,665	9,847	13,268	14,812	26,282	37,522	75,088	67,787	1,463	5,431	12,358	17,127	9,494	8,638	2,592	10,684	35,660
1979	319,043	247,235	12,365	47,932	11,690	13,731	15,031	26,701	39,766	80,019	71,808	1,481	5,685	12,822	17,715	10,729	9,251	2,778	11,347	38,535
1980	325,600	251,265	12,689	47,261	13,578	14,051	15,311	26,934	40,610	80,831	74,335	1,737	6,038	13,097	19,132	9,698	9,888	2,934	11,811	41,478
1981	331,989	252,404	12,585	46,302	16,437	14,263	15,881	27,360	40,666	78,910	79,585	1,883	6,526	14,089	20,113	9,737	10,618	3,152	13,467	43,141
1982	338,866	255,146	12,826	45,627	19,812	15,018	17,157	28,188	40,073	76,445	83,720	1,941	7,222	14,122	21,927	9,577	11,467	3,154	14,310	43,425
1983	346,966	255,820	12,728	45,253	23,333	15,443	17,358	29,463	40,905	71,337	91,146	2,305	7,590	14,910	25,295	9,247	12,911	3,477	15,411	43,466
1984	349,642	256,903	12,528	45,353	25,526	15,500	17,443	30,061	40,931	69,561	92,739	2,340	7,400	15,192	26,388	9,282	13,855	3,673	14,609	45,028
1985	357,991	261,973	11,846	45,709	29,769	15,414	17,563	30,987	40,721	69,964	96,018	2,538	7,177	14,902	28,203	10,525	14,157	3,959	14,557	46,030
1986	367,982	266,077	11,771	46,302	31,349	15,053	17,949	32,259	41,241	70,153	101,905	2,804	7,043	14,976	29,969	11,569	15,713	4,236	15,595	47,538
1987	373,239	269,256	11,405	46,317	32,051	14,357	18,508	32,741	42,612	71,265	103,983	3,015	7,141	14,682	31,399	12,353	16,366	4,397	14,630	48,258
1988	375,163	272,309	11,438	47,126	32,227	13,854	19,077	32,975	43,963	71,649	102,854	3,223	6,643	14,811	32,035	11,575	16,151	4,381	14,035	49,360
1989	382,642	278,577	11,461	48,449	32,482	13,630	19,247	33,629	45,528	74,151	104,065	3,524	6,482	14,909	33,257	11,333	16,265	4,635	13,660	51,836
1990	397,041	289,383	11,563	49,602	34,257	13,977	19,774	34,082	48,167	77,961	107,658	3,934	6,768	15,542	33,722	11,555	16,879	4,983	14,275	55,072
1991	412,592	299,057	11,766	51,365	34,681	14,466	19,952	34,724	51,343	80,760	113,535	4,120	7,157	17,398	35,111	12,996	17,730	5,203	13,820	58,620
1992	430,517	312,478	12,153	53,693	36,325	15,324	20,355	35,357	53,484	85,787	118,039	4,036	7,433	19,572	36,428	13,826	18,637	5,550	12,557	63,005
1993	435,723	318,851	12,305	55,950	36,213	15,721	20,000	35,328	54,557	88,777	116,872	3,940	7,554	19,583	35,290	13,905	18,477	5,410	12,713	68,581
1994	431,142	318,118	12,611	57,676	34,158	15,957	19,573	34,466	54,554	89,123	113,024	3,715	7,639	19,925	33,067	13,992	17,761	5,228	11,697	73,257
1995	422,466	315,265	12,768	58,344	33,458	15,716	18,504	33,399	53,641	89,435	107,201	3,343	7,452	19,218	30,861	13,475	16,363	4,956	11,533	77,174
1996	415,181	311,957	12,301	57,749	34,626	15,183	18,008	32,333	53,122	88,635	103,224	3,208	7,408	18,528	29,941	12,675	15,509	4,747	11,208	78,898
1997	407,630	306,482	12,203	56,705	35,991	14,548	16,719	31,105	53,126	86,085	101,148	3,083	7,288	17,193	30,787	11,957	15,045	4,688	11,107	79,578
1998	404,856	304,818	12,168	56,695	38,027	14,258	16,485	30,575	52,557	84,053	100,038	3,137	7,093	16,517	31,384	11,221	14,696	4,680	11,310	80,771
1999	411,182	309,491	12,312	56,959	42,478	14,083	16,257	30,691	51,727	84,984	101,691	3,349	6,883	16,226	31,822	11,803	14,956	4,481	12,171	82,074
2000	413,536	309,424	12,023	56,282	47,350	13,941	15,650	30,385	50,466	83,327	104,112	3,407	7,056	16,451	33,611	12,119	15,235	4,377	11,856	79,775
2001	429,229	319,736	12,235	57,639	52,196	13,841	16,651	31,038	50,454	85,682	109,493	3,451	6,913	16,665	36,100	12,940	15,852	4,721	12,851	80,378
2002	454,834	335,166	12,698	61,088	55,269	14,240	18,163	32,341	51,152	90,215	119,668	3,685	7,414	17,713	39,948	14,033	17,139	4,992	14,744	85,570
2003	474,645	347,268	13,197	64,701	53,696	14,620	19,465	34,298	52,162	95,129	127,377	4,048	7,516	18,890	41,763	14,313	18,393	5,131	17,323	92,476
2004	475,873	352,307	13,445	66,565	50,016	15,131	19,931	35,761	54,126	97,332	123,566	4,089	7,452	18,561	38,995	13,852	17,852	5,059	17,706	98,590
2005	478,275	357,710	13,123	68,479	47,978	14,836	20,210	36,375	57,282	99,427	120,565	4,170	7,173	18,114	37,450	13,650	17,373	5,160	17,475	103,951
2006	486,287	363,246	13,016	69,941	47,653	14,920	20,815	36,901	57,653	102,347	123,041	4,482	7,261	17,802	38,265	13,829	17,919	5,268	18,215	111,356

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

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

TABLE 3. Male graduate students in science, engineering, and health fields in all institutions, by field: 1977–2006

Year	All science and engineering	Total	Science								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	
1977	233,775	168,724	9,671	32,301	7,549	11,169	11,933	22,823	20,518	52,760	65,051	1,485	4,893	11,507	16,696	9,683	8,449	2,401	9,937	11,149	
1978	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	229,766	163,845	9,660	30,115	9,367	10,846	11,009	22,206	19,424	51,218	65,921	1,432	5,060	11,503	16,782	9,473	8,782	2,489	10,400	11,073	
1980	231,207	163,212	9,783	29,034	10,491	10,844	11,247	22,338	19,027	50,448	67,995	1,663	5,358	11,732	18,149	8,343	9,354	2,629	10,767	11,749	
1981	232,144	160,306	9,700	27,743	12,228	10,847	11,400	22,349	17,900	48,139	71,838	1,816	5,747	12,515	18,837	8,194	9,987	2,758	11,984	11,414	
1982	235,297	160,354	9,671	26,549	14,366	11,295	12,079	22,769	16,976	46,649	74,943	1,831	6,319	12,373	20,376	7,958	10,748	2,729	12,609	11,001	
1983	240,463	159,126	9,506	26,013	16,719	11,548	12,158	23,580	16,648	42,954	81,337	2,182	6,572	13,051	23,227	7,729	12,106	3,025	13,445	10,465	
1984	242,112	159,672	9,308	25,959	18,653	11,628	12,275	23,902	16,180	41,767	82,440	2,208	6,426	13,165	24,175	7,674	12,899	3,201	12,692	10,541	
1985	247,370	162,435	8,769	25,932	22,208	11,489	12,209	24,478	15,597	41,753	84,935	2,375	6,170	12,755	25,768	8,743	13,146	3,352	12,626	10,846	
1986	253,607	164,075	8,722	25,974	23,497	11,108	12,470	25,395	15,377	41,532	89,532	2,604	5,996	12,829	27,061	9,472	14,554	3,552	13,464	11,126	
1987	256,072	165,060	8,367	26,013	24,036	10,581	12,912	25,624	15,683	41,844	91,012	2,791	5,979	12,579	28,301	10,085	15,070	3,659	12,548	11,869	
1988	253,925	164,199	8,249	25,997	24,033	10,054	13,301	25,473	15,502	41,590	89,726	2,996	5,564	12,517	28,757	9,449	14,749	3,618	12,076	11,465	
1989	256,770	166,313	8,224	26,348	24,494	9,776	13,262	25,824	15,673	42,712	90,457	3,281	5,445	12,474	29,742	9,180	14,867	3,820	11,648	11,955	
1990	263,319	170,340	8,138	26,687	26,058	9,860	13,575	26,012	15,822	44,188	92,979	3,645	5,615	12,853	30,007	9,367	15,437	4,085	11,970	12,353	
1991	271,762	173,925	8,098	27,372	26,391	10,015	13,654	26,156	16,556	45,683	97,837	3,793	5,897	14,296	31,260	10,594	16,219	4,208	11,570	13,135	
1992	280,305	179,486	8,245	28,397	27,854	10,478	13,806	26,508	16,650	47,548	100,819	3,688	6,036	15,918	32,151	11,118	16,939	4,476	10,493	13,917	
1993	279,185	180,001	8,058	29,081	27,782	10,695	13,362	26,122	16,567	48,334	99,184	3,583	6,050	15,725	30,977	11,260	16,703	4,373	10,513	15,291	
1994	272,031	177,057	8,160	29,670	26,071	10,638	13,042	25,299	16,416	47,761	94,974	3,357	6,110	15,714	28,958	11,135	15,938	4,145	9,617	16,324	
1995	262,256	173,068	8,169	29,629	25,325	10,282	12,246	24,314	15,877	47,226	89,188	2,992	5,885	14,986	26,707	10,652	14,686	3,882	9,398	17,049	
1996	253,510	168,540	7,716	29,107	25,829	9,736	11,789	23,288	15,375	45,700	84,970	2,856	5,757	14,228	25,712	9,906	13,873	3,670	8,968	18,150	
1997	245,619	163,191	7,497	28,229	26,110	9,132	10,851	22,257	15,507	43,608	82,428	2,712	5,568	13,029	26,237	9,301	13,266	3,571	8,744	18,878	
1998	241,429	160,379	7,316	27,742	27,225	8,690	10,497	21,822	15,095	41,992	81,050	2,755	5,366	12,415	26,512	8,769	12,934	3,550	8,749	19,590	
1999	242,786	160,982	7,263	27,338	29,933	8,358	10,214	21,776	14,456	41,644	81,804	2,926	5,150	12,069	26,689	9,144	13,168	3,397	9,261	19,889	
2000	243,057	159,691	6,935	26,475	33,270	8,188	9,870	21,270	13,594	40,089	83,366	2,938	5,181	12,174	28,075	9,406	13,403	3,336	8,853	19,052	
2001	251,810	164,574	6,892	26,590	36,894	7,949	10,381	21,702	13,147	41,019	87,236	2,966	5,084	12,162	29,888	10,132	13,908	3,548	9,548	19,345	
2002	266,217	171,516	7,045	27,677	39,244	7,993	11,277	22,275	13,435	42,570	94,701	3,169	5,419	12,808	32,678	10,957	15,056	3,741	10,873	20,842	
2003	276,248	176,458	7,171	28,818	38,880	8,082	12,176	23,520	13,383	44,428	99,790	3,445	5,416	13,492	33,969	11,047	16,039	3,800	12,582	22,434	
2004	274,008	177,714	7,187	29,276	36,739	8,199	12,434	24,461	13,970	45,448	96,294	3,489	5,346	13,120	31,794	10,622	15,396	3,738	12,789	22,706	
2005	271,967	178,297	6,921	29,958	35,933	7,941	12,773	24,649	13,963	46,159	93,670	3,563	5,094	12,709	30,662	10,354	14,965	3,812	12,511	23,324	
2006	275,181	180,084	6,717	30,572	35,591	7,916	13,122	24,896	13,950	47,320	95,097	3,773	5,102	12,379	31,239	10,363	15,434	3,878	12,929	24,637	

NA = not available; master's-granting institutions were not surveyed in 1978, and survey of doctorate-granting institutions did not collect data by sex.

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

TABLE 4. Female graduate students in science, engineering, and health fields in all institutions, by field: 1977–2006

Year	All science and engineering	Science									Engineering								Health 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	
1977	77,914	74,208	2,141	16,674	1,559	2,277	4,119	4,041	18,099	25,298	3,706	33	380	828	710	755	273	184	543	22,536	
1978	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	89,277	83,390	2,705	17,817	2,323	2,885	4,022	4,495	20,342	28,801	5,887	49	625	1,319	933	1,256	469	289	947	27,462	
1980	94,393	88,053	2,906	18,227	3,087	3,207	4,064	4,596	21,583	30,383	6,340	74	680	1,365	983	1,355	534	305	1,044	29,729	
1981	99,845	92,098	2,885	18,559	4,209	3,416	4,481	5,011	22,766	30,771	7,747	67	779	1,574	1,276	1,543	631	394	1,483	31,727	
1982	103,569	94,792	3,155	19,078	5,446	3,723	5,078	5,419	23,097	29,796	8,777	110	903	1,749	1,551	1,619	719	425	1,701	32,424	
1983	106,503	96,694	3,222	19,240	6,614	3,895	5,200	5,883	24,257	28,383	9,809	123	1,018	1,859	2,068	1,518	805	452	1,966	33,001	
1984	107,530	97,231	3,220	19,394	6,873	3,872	5,168	6,159	24,751	27,794	10,299	132	974	2,027	2,213	1,608	956	472	1,917	34,487	
1985	110,621	99,538	3,077	19,777	7,561	3,925	5,354	6,509	25,124	28,211	11,083	163	1,007	2,147	2,435	1,782	1,011	607	1,931	35,184	
1986	114,375	102,002	3,049	20,328	7,852	3,945	5,479	6,864	25,864	28,621	12,373	200	1,047	2,147	2,908	2,097	1,159	684	2,131	36,412	
1987	117,167	104,196	3,038	20,304	8,015	3,776	5,596	7,117	26,929	29,421	12,971	224	1,162	2,103	3,098	2,268	1,296	738	2,082	36,389	
1988	121,238	108,110	3,189	21,129	8,194	3,800	5,776	7,502	28,461	30,059	13,128	227	1,079	2,294	3,278	2,126	1,402	763	1,959	37,895	
1989	125,872	112,264	3,237	22,101	7,988	3,854	5,985	7,805	29,855	31,439	13,608	243	1,037	2,435	3,515	2,153	1,398	815	2,012	39,881	
1990	133,722	119,043	3,425	22,915	8,199	4,117	6,199	8,070	32,345	33,773	14,679	289	1,153	2,689	3,715	2,188	1,442	898	2,305	42,719	
1991	140,830	125,132	3,668	23,993	8,290	4,451	6,298	8,568	34,787	35,077	15,698	327	1,260	3,102	3,851	2,402	1,511	995	2,250	45,485	
1992	150,212	132,992	3,908	25,296	8,471	4,846	6,549	8,849	36,834	38,239	17,220	348	1,397	3,654	4,277	2,708	1,698	1,074	2,064	49,088	
1993	156,538	138,850	4,247	26,869	8,431	5,026	6,638	9,206	37,990	40,443	17,688	357	1,504	3,858	4,313	2,645	1,774	1,037	2,200	53,290	
1994	159,111	141,061	4,451	28,006	8,087	5,319	6,531	9,167	38,138	41,362	18,050	358	1,529	4,211	4,109	2,857	1,823	1,083	2,080	56,933	
1995	160,210	142,197	4,599	28,715	8,133	5,434	6,258	9,085	37,764	42,209	18,013	351	1,567	4,232	4,154	2,823	1,677	1,074	2,135	60,125	
1996	161,671	143,417	4,585	28,642	8,797	5,447	6,219	9,045	37,747	42,935	18,254	352	1,651	4,300	4,229	2,769	1,636	1,077	2,240	60,748	
1997	162,011	143,291	4,706	28,476	9,881	5,416	5,868	8,848	37,619	42,477	18,720	371	1,720	4,164	4,550	2,656	1,779	1,117	2,363	60,700	
1998	163,427	144,439	4,852	28,953	10,802	5,568	5,988	8,753	37,462	42,061	18,988	382	1,727	4,102	4,872	2,452	1,762	1,130	2,561	61,181	
1999	168,396	148,509	5,049	29,621	12,545	5,725	6,043	8,915	37,271	43,340	19,887	423	1,733	4,157	5,133	2,659	1,788	1,084	2,910	62,185	
2000	170,479	149,733	5,088	29,807	14,080	5,753	5,780	9,115	36,872	43,238	20,746	469	1,875	4,277	5,536	2,713	1,832	1,041	3,003	60,723	
2001	177,419	155,162	5,343	31,049	15,302	5,892	6,270	9,336	37,307	44,663	22,257	485	1,829	4,503	6,212	2,808	1,944	1,173	3,303	61,033	
2002	188,617	163,650	5,653	33,411	16,025	6,247	6,886	10,066	37,717	47,645	24,967	516	1,995	4,905	7,270	3,076	2,083	1,251	3,871	64,728	
2003	198,397	170,810	6,026	35,883	14,816	6,538	7,289	10,778	38,779	50,701	27,587	603	2,100	5,398	7,794	3,266	2,354	1,331	4,741	70,042	
2004	201,865	174,593	6,258	37,289	13,277	6,932	7,497	11,300	40,156	51,884	27,272	600	2,106	5,441	7,201	3,230	2,456	1,321	4,917	75,884	
2005	206,308	179,413	6,202	38,521	12,045	6,895	7,437	11,726	43,319	53,268	26,895	607	2,079	5,405	6,788	3,296	2,408	1,348	4,964	80,627	
2006	211,106	183,162	6,299	39,369	12,062	7,004	7,693	12,005	43,703	55,027	27,944	709	2,159	5,423	7,026	3,466	2,485	1,390	5,286	86,719	

NA = not available; master's-granting institutions were not surveyed in 1978, and survey of doctorate-granting institutions did not collect data by sex.

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

TABLE 5. Full-time graduate students in science, engineering, and health fields in all institutions, by field: 1975–2006

Year	All science and engineering	Science									Engineering									Health 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	
1975	202,260	164,437	8,970	36,692	4,473	9,557	10,694	21,916	24,105	48,030	37,823	1,245	3,576	7,363	8,278	4,152	4,931	1,808	6,470	17,388
1976	204,815	167,867	9,548	37,681	4,748	10,082	10,952	22,261	25,643	46,952	36,948	1,165	3,757	7,025	8,147	3,578	4,919	1,879	6,478	18,597
1977	206,411	169,184	9,820	38,194	4,604	10,415	10,365	22,514	25,703	47,569	37,227	1,187	3,944	7,094	8,528	3,343	4,883	1,976	6,272	20,327
1978 ^a	201,737	164,151	9,815	37,572	4,930	10,361	9,769	22,143	24,754	44,807	37,586	1,140	4,019	7,335	8,509	3,249	4,950	1,995	6,389	21,293
1979	209,000	168,959	10,053	37,773	5,853	10,619	9,667	22,541	25,848	46,605	40,041	1,152	4,292	7,623	9,039	3,743	5,428	2,157	6,607	22,760
1980	214,417	171,767	10,349	37,422	6,587	10,871	9,901	22,917	26,671	47,049	42,650	1,327	4,513	7,958	9,963	3,736	5,841	2,274	7,038	23,999
1981	217,952	172,200	10,480	37,022	7,445	10,931	10,152	23,310	26,570	46,290	45,752	1,483	5,016	8,799	10,450	3,603	6,422	2,478	7,501	24,097
1982	221,874	172,090	10,325	36,415	9,171	11,317	10,813	24,040	25,667	44,342	49,784	1,522	5,637	9,381	11,533	3,807	7,267	2,505	8,132	22,883
1983	229,404	175,472	10,230	36,405	10,600	11,961	10,955	25,211	26,561	43,549	53,932	1,840	5,893	9,804	13,265	3,288	8,330	2,731	8,781	22,613
1984	230,957	175,766	10,170	36,759	11,436	11,732	11,309	25,854	25,969	42,537	55,191	1,854	5,758	10,086	13,925	3,393	8,698	2,888	8,589	22,965
1985	233,938	178,020	9,490	36,677	13,861	11,331	11,816	26,672	25,335	42,838	55,918	1,994	5,568	9,749	14,799	3,456	8,875	3,109	8,368	23,349
1986	242,729	182,532	9,596	37,435	15,020	11,241	12,388	27,770	26,255	42,827	60,197	2,154	5,625	9,971	16,290	3,810	9,789	3,398	9,160	23,439
1987	247,105	185,143	9,316	37,885	15,336	10,424	13,043	28,423	27,256	43,460	61,962	2,372	5,704	9,628	17,101	4,165	10,230	3,467	9,295	23,951
1988	250,557	187,525	9,372	38,840	15,133	10,181	13,512	28,585	28,118	43,784	63,032	2,533	5,384	9,946	17,706	4,313	10,416	3,509	9,225	24,570
1989	256,820	192,424	9,293	40,019	15,606	10,012	13,681	29,216	29,348	45,249	64,396	2,772	5,303	9,964	18,466	4,684	10,492	3,760	8,955	25,828
1990	265,323	199,313	9,288	40,648	16,689	10,239	13,865	29,490	30,618	48,476	66,010	3,010	5,476	10,128	18,675	4,806	10,867	3,969	9,079	27,459
1991	277,070	206,036	9,472	42,385	16,546	10,364	14,256	30,126	32,258	50,629	71,034	3,325	5,818	11,328	19,874	5,639	11,687	4,094	9,269	29,940
1992	290,408	215,965	9,672	44,040	17,505	10,976	14,679	30,681	34,162	54,250	74,443	3,306	5,982	12,454	20,977	6,113	12,383	4,309	8,919	32,147
1993	293,905	220,097	9,712	46,101	17,401	11,346	14,530	30,616	34,782	55,609	73,808	3,262	6,079	12,458	20,343	5,950	12,395	4,294	9,027	35,739
1994	292,979	221,409	9,746	47,694	16,701	11,446	14,226	30,049	35,288	56,259	71,570	3,000	6,136	12,641	19,408	5,960	11,875	4,143	8,407	39,109
1995	287,171	219,389	9,835	48,055	16,510	11,259	13,410	28,879	35,222	56,219	67,782	2,693	5,985	12,248	18,254	5,389	11,128	3,912	8,173	42,112
1996	284,039	218,180	9,527	47,454	17,195	10,795	12,966	27,931	35,412	56,900	65,859	2,576	5,939	11,791	18,107	5,166	10,690	3,724	7,866	44,497
1997	280,669	214,981	9,362	46,657	18,335	10,510	12,144	26,882	35,551	55,540	65,688	2,529	5,821	11,406	18,999	5,116	10,432	3,694	7,691	46,620
1998	278,943	213,508	9,199	46,779	19,972	10,444	11,751	26,391	35,148	53,824	65,435	2,565	5,630	11,154	19,608	4,894	10,073	3,736	7,775	48,446
1999	283,893	215,870	9,371	46,946	22,687	10,484	11,796	26,635	34,658	53,293	68,023	2,645	5,593	11,237	20,521	5,500	10,331	3,563	8,633	50,530
2000	291,355	219,079	9,357	46,787	26,558	10,558	11,740	26,492	34,919	52,668	72,276	2,759	5,861	11,754	22,962	6,049	10,795	3,601	8,495	49,928
2001	304,021	226,573	9,405	48,138	30,087	10,504	12,467	27,179	34,487	54,306	77,448	2,821	5,829	12,102	25,240	6,534	11,436	3,977	9,509	50,501
2002	325,472	240,020	9,685	51,551	32,579	11,116	13,709	28,619	34,707	58,054	85,452	3,003	6,279	12,981	28,240	7,200	12,512	4,242	10,995	53,519
2003	339,028	248,812	10,003	54,350	30,708	11,497	14,627	30,441	35,774	61,412	90,216	3,243	6,414	13,710	28,929	7,098	13,356	4,386	13,080	58,392
2004	340,529	253,574	10,040	55,848	29,162	11,685	14,916	31,675	37,872	62,376	86,955	3,243	6,379	13,588	26,732	6,591	12,718	4,359	13,345	62,044
2005	341,742	257,283	9,710	57,697	28,317	11,370	15,261	32,400	38,919	63,609	84,459	3,241	6,139	13,196	25,849	6,113	12,178	4,507	13,236	64,878
2006	349,802	261,984	9,478	58,918	28,760	11,431	15,571	32,841	38,994	65,991	87,818	3,374	6,218	13,074	27,379	6,421	12,666	4,627	14,059	69,213

^a Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

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

TABLE 6. Male full-time graduate students in science, engineering, and health fields in all institutions, by field: 1976–2006

Year	Science										Engineering								Health fields	
	All science and engineering	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
1976	156,134	121,218	8,031	26,003	4,006	8,450	8,476	19,212	14,591	32,449	34,916	1,142	3,516	6,512	7,850	3,199	4,797	1,769	6,131	7,536
1977	154,365	119,401	7,983	25,688	3,845	8,634	8,083	19,300	13,949	31,919	34,964	1,160	3,660	6,553	8,146	2,967	4,742	1,833	5,903	7,520
1978	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	151,945	115,345	7,812	24,314	4,803	8,400	7,497	19,048	13,277	30,194	36,600	1,116	3,852	6,729	8,585	3,164	5,170	1,943	6,041	7,630
1980	153,101	114,306	7,920	23,600	5,184	8,388	7,595	19,214	12,779	29,626	38,795	1,273	4,047	7,059	9,405	3,071	5,525	2,041	6,374	7,758
1981	154,034	112,896	8,007	22,997	5,718	8,360	7,612	19,307	12,007	28,888	41,138	1,432	4,482	7,673	9,739	2,915	6,075	2,187	6,635	7,442
1982	156,369	111,834	7,724	21,949	6,860	8,530	8,022	19,643	11,223	27,883	44,535	1,449	4,963	8,140	10,715	3,042	6,834	2,192	7,200	6,904
1983	161,506	113,195	7,637	21,717	7,961	8,992	8,037	20,374	11,361	27,116	48,311	1,760	5,122	8,509	12,302	2,673	7,847	2,403	7,695	6,709
1984	162,368	113,226	7,526	21,759	8,693	8,875	8,328	20,756	10,714	26,575	49,142	1,768	5,024	8,648	12,775	2,769	8,137	2,530	7,491	6,706
1985	164,162	114,528	7,026	21,570	10,806	8,498	8,614	21,243	10,232	26,539	49,634	1,868	4,811	8,257	13,591	2,821	8,316	2,666	7,304	6,783
1986	169,812	116,593	7,136	21,730	11,703	8,329	8,984	22,029	10,263	26,419	53,219	2,006	4,829	8,484	14,823	3,076	9,162	2,868	7,971	6,764
1987	172,077	117,406	6,877	21,853	12,005	7,750	9,481	22,393	10,422	26,625	54,671	2,205	4,822	8,230	15,552	3,430	9,498	2,889	8,045	7,353
1988	172,280	116,871	6,819	22,143	11,795	7,438	9,794	22,214	10,199	26,469	55,409	2,365	4,588	8,381	16,024	3,572	9,581	2,923	7,975	7,275
1989	175,047	118,795	6,708	22,514	12,355	7,263	9,746	22,552	10,467	27,190	56,252	2,592	4,499	8,315	16,644	3,772	9,637	3,116	7,677	7,738
1990	178,645	121,340	6,572	22,595	13,218	7,313	9,821	22,668	10,642	28,511	57,305	2,811	4,573	8,347	16,719	3,893	10,019	3,273	7,670	8,074
1991	185,020	123,664	6,537	23,287	13,057	7,190	10,035	22,852	10,957	29,749	61,356	3,071	4,830	9,309	17,717	4,591	10,745	3,345	7,748	8,519
1992	191,722	127,940	6,573	24,012	13,949	7,585	10,250	23,176	11,171	31,224	63,782	3,043	4,882	10,126	18,557	4,931	11,297	3,497	7,449	9,096
1993	190,785	128,174	6,429	24,678	13,811	7,799	10,096	22,891	11,189	31,281	62,611	2,971	4,908	9,934	17,906	4,770	11,210	3,482	7,430	9,993
1994	186,623	126,631	6,319	25,276	13,152	7,659	9,810	22,281	11,131	31,003	59,992	2,722	4,940	9,855	17,014	4,651	10,658	3,289	6,863	10,802
1995	179,770	123,490	6,275	25,123	12,860	7,379	9,213	21,222	10,903	30,515	56,280	2,417	4,756	9,431	15,768	4,229	9,993	3,082	6,604	11,430
1996	174,689	120,657	5,971	24,554	13,102	6,941	8,797	20,395	10,775	30,122	54,032	2,293	4,615	8,937	15,497	4,069	9,500	2,893	6,228	12,427
1997	170,168	116,988	5,734	23,819	13,536	6,650	8,171	19,454	10,833	28,791	53,180	2,226	4,451	8,495	16,102	4,009	9,143	2,819	5,935	13,224
1998	167,320	114,712	5,507	23,487	14,520	6,374	7,797	19,034	10,509	27,484	52,608	2,251	4,233	8,213	16,471	3,810	8,840	2,829	5,961	13,673
1999	169,055	114,555	5,486	23,097	16,313	6,171	7,662	19,065	10,073	26,688	54,500	2,320	4,197	8,192	17,147	4,364	9,069	2,715	6,496	13,885
2000	172,783	115,359	5,298	22,604	19,098	6,119	7,669	18,750	9,841	25,980	57,424	2,385	4,315	8,454	19,073	4,710	9,451	2,751	6,285	13,478
2001	179,863	118,608	5,201	22,707	21,776	5,936	8,085	19,093	9,303	26,507	61,255	2,435	4,289	8,677	20,767	5,105	9,998	2,988	6,996	13,602
2002	191,809	124,774	5,253	23,819	23,743	6,194	8,807	19,816	9,303	27,839	67,035	2,591	4,613	9,201	22,884	5,628	10,932	3,180	8,006	14,343
2003	198,485	128,345	5,360	24,684	22,858	6,314	9,488	21,014	9,414	29,213	70,140	2,790	4,604	9,592	23,361	5,467	11,608	3,258	9,460	15,556
2004	196,821	129,685	5,304	24,950	21,962	6,329	9,728	21,790	9,989	29,633	67,136	2,789	4,562	9,427	21,645	4,996	10,947	3,218	9,552	16,009
2005	195,664	130,677	5,011	25,598	21,689	6,106	10,081	22,060	9,866	30,266	64,987	2,779	4,363	9,074	21,090	4,508	10,446	3,319	9,408	16,181
2006	199,651	132,515	4,828	26,203	21,953	6,037	10,244	22,328	9,823	31,099	67,136	2,849	4,366	8,905	22,156	4,679	10,876	3,415	9,890	17,165

NA = not available; master's-granting institutions were not surveyed in 1978, and survey of doctorate-granting institutions did not collect data by sex.

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

TABLE 7. Female full-time graduate students in science, engineering, and health fields in all institutions, by field: 1976–2006

Year	All science and engineering	Science									Engineering									Health 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	
1976	48,681	46,649	1,517	11,678	742	1,632	2,476	3,049	11,052	14,503	2,032	23	241	513	297	379	122	110	347	11,061
1977	52,046	49,783	1,837	12,506	759	1,781	2,282	3,214	11,754	15,650	2,263	27	284	541	382	376	141	143	369	12,807
1978	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	57,055	53,614	2,241	13,459	1,050	2,219	2,170	3,493	12,571	16,411	3,441	36	440	894	454	579	258	214	566	15,130
1980	61,316	57,461	2,429	13,822	1,403	2,483	2,306	3,703	13,892	17,423	3,855	54	466	899	558	665	316	233	664	16,241
1981	63,918	59,304	2,473	14,025	1,727	2,571	2,540	4,003	14,563	17,402	4,614	51	534	1,126	711	688	347	291	866	16,655
1982	65,505	60,256	2,601	14,466	2,311	2,787	2,791	4,397	14,444	16,459	5,249	73	674	1,241	818	765	433	313	932	15,979
1983	67,898	62,277	2,593	14,688	2,639	2,969	2,918	4,837	15,200	16,433	5,621	80	771	1,295	963	615	483	328	1,086	15,904
1984	68,589	62,540	2,644	15,000	2,743	2,857	2,981	5,098	15,255	15,962	6,049	86	734	1,438	1,150	624	561	358	1,098	16,259
1985	69,776	63,492	2,464	15,107	3,055	2,833	3,202	5,429	15,103	16,299	6,284	126	757	1,492	1,208	635	559	443	1,064	16,566
1986	72,917	65,939	2,460	15,705	3,317	2,912	3,404	5,741	15,992	16,408	6,978	148	796	1,487	1,467	734	627	530	1,189	16,675
1987	75,028	67,737	2,439	16,032	3,331	2,674	3,562	6,030	16,834	16,835	7,291	167	882	1,398	1,549	735	732	578	1,250	16,598
1988	78,277	70,654	2,553	16,697	3,338	2,743	3,718	6,371	17,919	17,315	7,623	168	796	1,565	1,682	741	835	586	1,250	17,295
1989	81,773	73,629	2,585	17,505	3,251	2,749	3,935	6,664	18,881	18,059	8,144	180	804	1,649	1,822	912	855	644	1,278	18,090
1990	86,678	77,973	2,716	18,053	3,471	2,926	4,044	6,822	19,976	19,965	8,705	199	903	1,781	1,956	913	848	696	1,409	19,385
1991	92,050	82,372	2,935	19,098	3,489	3,174	4,221	7,274	21,301	20,880	9,678	254	988	2,019	2,157	1,048	942	749	1,521	21,421
1992	98,686	88,025	3,099	20,028	3,556	3,391	4,429	7,505	22,991	23,026	10,661	263	1,100	2,328	2,420	1,182	1,086	812	1,470	23,051
1993	103,120	91,923	3,283	21,423	3,590	3,547	4,434	7,725	23,593	24,328	11,197	291	1,171	2,524	2,437	1,180	1,185	812	1,597	25,746
1994	106,356	94,778	3,427	22,418	3,549	3,787	4,416	7,768	24,157	25,256	11,578	278	1,196	2,786	2,394	1,309	1,217	854	1,544	28,307
1995	107,401	95,899	3,560	22,932	3,650	3,880	4,197	7,657	24,319	25,704	11,502	276	1,229	2,817	2,486	1,160	1,135	830	1,569	30,682
1996	109,350	97,523	3,556	22,900	4,093	3,854	4,169	7,536	24,637	26,778	11,827	283	1,324	2,854	2,610	1,097	1,190	831	1,638	32,070
1997	110,501	97,993	3,628	22,838	4,799	3,860	3,973	7,428	24,718	26,749	12,508	303	1,370	2,911	2,897	1,107	1,289	875	1,756	33,396
1998	111,623	98,796	3,692	23,292	5,452	4,070	3,954	7,357	24,639	26,340	12,827	314	1,397	2,941	3,137	1,084	1,233	907	1,814	34,773
1999	114,838	101,315	3,885	23,849	6,374	4,313	4,134	7,570	24,585	26,605	13,523	325	1,396	3,045	3,374	1,136	1,262	848	2,137	36,645
2000	118,572	103,720	4,059	24,183	7,460	4,439	4,071	7,742	25,078	26,688	14,852	374	1,546	3,300	3,889	1,339	1,344	850	2,210	36,450
2001	124,158	107,965	4,204	25,431	8,311	4,568	4,382	8,086	25,184	27,799	16,193	386	1,540	3,425	4,473	1,429	1,438	989	2,513	36,899
2002	133,663	115,246	4,432	27,732	8,836	4,922	4,902	8,803	25,404	30,215	18,417	412	1,666	3,780	5,356	1,572	1,580	1,062	2,989	39,176
2003	140,543	120,467	4,643	29,666	7,850	5,183	5,139	9,427	26,360	32,199	20,076	453	1,810	4,118	5,568	1,631	1,748	1,128	3,620	42,836
2004	143,708	123,889	4,736	30,898	7,200	5,356	5,188	9,885	27,883	32,743	19,819	454	1,817	4,161	5,087	1,595	1,771	1,141	3,793	46,035
2005	146,078	126,606	4,699	32,099	6,628	5,264	5,180	10,340	29,053	33,343	19,472	462	1,776	4,122	4,759	1,605	1,732	1,188	3,828	48,697
2006	150,151	129,469	4,650	32,715	6,807	5,394	5,327	10,513	29,171	34,892	20,682	525	1,852	4,169	5,223	1,742	1,790	1,212	4,169	52,048

NA = not available; master's-granting institutions were not surveyed in 1978, and survey of doctorate-granting institutions did not collect data by sex.

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

TABLE 8. U.S. citizen or permanent resident full-time graduate students in science, engineering, and health fields in all institutions, by field: 1980–2006

Year	Science										Engineering								Health fields	
	All science and engineering	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
1980	166,158	141,405	8,007	32,969	4,521	9,484	6,647	17,186	25,461	37,130	24,753	759	2,517	4,670	5,666	2,297	3,211	1,165	4,468	21,956
1981	165,623	139,558	7,995	32,299	4,887	9,436	6,511	17,052	25,566	35,812	26,065	882	2,808	5,162	5,665	2,029	3,363	1,361	4,795	21,951
1982	166,705	138,209	7,805	31,522	5,981	9,691	6,926	17,586	24,588	34,110	28,496	945	3,290	5,428	6,421	2,190	3,767	1,319	5,136	20,585
1983	169,889	138,714	7,603	31,063	6,677	10,292	6,714	18,016	25,468	32,881	31,175	1,088	3,650	5,544	7,398	1,933	4,327	1,553	5,682	20,202
1984	169,870	137,903	7,579	31,138	6,982	10,162	6,772	18,294	24,924	32,052	31,967	1,115	3,623	5,687	7,890	1,934	4,591	1,679	5,448	20,607
1985	168,239	136,402	7,009	30,497	8,327	9,666	6,995	18,189	24,179	31,540	31,837	1,258	3,350	5,282	8,137	1,874	4,858	1,821	5,257	20,804
1986	170,382	137,132	6,905	30,424	8,912	9,374	7,243	18,272	25,085	30,917	33,250	1,343	3,432	5,303	8,572	2,056	5,218	1,882	5,444	20,717
1987	171,095	137,154	6,575	30,024	8,863	8,485	7,549	18,395	26,044	31,219	33,941	1,559	3,371	5,090	9,002	2,152	5,559	1,860	5,348	21,167
1988	170,144	136,619	6,601	29,986	8,415	8,029	7,738	18,141	26,802	30,907	33,525	1,502	2,971	5,208	9,295	2,239	5,299	1,848	5,163	21,512
1989	173,343	139,256	6,527	30,139	8,616	7,708	7,697	18,116	28,021	32,432	34,087	1,757	2,686	5,097	9,723	2,438	5,632	1,923	4,831	22,535
1990	177,747	143,255	6,313	30,103	8,742	7,808	7,961	17,841	29,133	35,354	34,492	1,870	2,696	5,375	9,652	2,389	5,781	2,015	4,714	23,885
1991	185,408	148,329	6,507	30,906	8,455	7,793	8,380	18,276	30,634	37,378	37,079	2,201	2,815	6,140	9,947	2,780	6,120	2,100	4,976	26,154
1992	197,399	157,510	6,726	32,337	8,881	8,299	8,939	18,767	32,548	41,013	39,889	2,246	2,968	7,003	10,548	3,088	6,803	2,278	4,955	28,437
1993	204,405	163,195	6,835	34,271	9,019	8,661	9,056	19,236	33,196	42,921	41,210	2,178	3,128	7,440	10,394	3,236	7,228	2,298	5,308	31,886
1994	206,809	165,657	6,864	36,020	8,757	8,586	8,876	19,136	33,430	43,988	41,152	1,862	3,381	7,848	10,446	3,211	7,090	2,364	4,950	35,456
1995	204,113	165,521	7,023	37,013	8,627	8,673	8,291	18,403	33,574	43,917	38,592	1,611	3,314	7,652	9,399	2,885	6,548	2,190	4,993	38,459
1996	200,674	164,198	6,905	37,032	8,400	8,399	7,885	17,632	33,789	44,156	36,476	1,417	3,382	7,509	8,758	2,528	6,024	1,988	4,870	40,486
1997	195,974	161,097	6,951	36,498	8,578	8,289	7,262	16,805	33,881	42,833	34,877	1,327	3,281	7,082	8,524	2,443	5,591	1,922	4,707	42,608
1998	191,945	158,559	6,915	36,384	9,042	8,258	7,061	16,468	33,410	41,021	33,386	1,268	3,059	6,871	8,139	2,255	5,212	1,894	4,688	44,423
1999	190,076	157,735	7,176	36,739	9,939	8,268	6,588	16,300	32,921	39,804	32,341	1,278	2,826	6,492	7,595	2,447	5,007	1,712	4,984	46,171
2000	185,613	154,545	7,259	35,967	9,630	8,155	6,345	15,601	33,059	38,529	31,068	1,358	2,777	6,313	7,253	2,324	4,569	1,645	4,829	45,397
2001	188,135	156,352	7,178	36,659	10,164	8,032	6,656	15,719	32,471	39,473	31,783	1,284	2,610	6,299	7,750	2,144	4,753	1,776	5,167	45,428
2002	200,097	164,856	7,363	38,703	11,919	8,570	7,390	16,236	32,512	42,163	35,241	1,434	2,859	6,703	8,654	2,537	5,144	1,880	6,030	47,511
2003	212,855	173,624	7,653	40,561	12,744	8,976	7,923	17,193	33,316	45,258	39,231	1,680	2,918	7,301	9,601	2,725	5,820	1,960	7,226	52,212
2004	217,345	178,463	7,613	41,202	12,719	9,122	8,225	18,078	35,211	46,293	38,882	1,695	2,999	7,467	8,792	2,562	5,810	1,996	7,561	55,891
2005	220,842	181,990	7,304	42,385	12,226	8,871	8,534	18,595	36,435	47,640	38,852	1,763	2,921	7,474	8,790	2,549	5,712	2,066	7,577	58,433
2006	225,338	185,004	7,097	43,257	11,959	8,924	8,749	18,979	36,630	49,409	40,334	2,047	2,977	7,520	8,696	2,796	6,026	2,237	8,035	62,346

NOTES: Distribution by citizenship status was not requested before 1980. Figures for 1991 and earlier years do not include permanent residents.

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

TABLE 9. Full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by field: 1980–2006

Year	All science and engineering	Science									Engineering									Health 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	
1980	48,259	30,362	2,342	4,453	2,066	1,387	3,254	5,731	1,210	9,919	17,897	568	1,996	3,288	4,297	1,439	2,630	1,109	2,570	2,043
1981	52,329	32,642	2,485	4,723	2,558	1,495	3,641	6,258	1,004	10,478	19,687	601	2,208	3,637	4,785	1,574	3,059	1,117	2,706	2,146
1982	55,169	33,881	2,520	4,893	3,190	1,626	3,887	6,454	1,079	10,232	21,288	577	2,347	3,953	5,112	1,617	3,500	1,186	2,996	2,298
1983	59,515	36,758	2,627	5,342	3,923	1,669	4,241	7,195	1,093	10,668	22,757	752	2,243	4,260	5,867	1,355	4,003	1,178	3,099	2,411
1984	61,087	37,863	2,591	5,621	4,454	1,570	4,537	7,560	1,045	10,485	23,224	739	2,135	4,399	6,035	1,459	4,107	1,209	3,141	2,358
1985	65,699	41,618	2,481	6,180	5,534	1,665	4,821	8,483	1,156	11,298	24,081	736	2,218	4,467	6,662	1,582	4,017	1,288	3,111	2,545
1986	72,347	45,400	2,691	7,011	6,108	1,867	5,145	9,498	1,170	11,910	26,947	811	2,193	4,668	7,718	1,754	4,571	1,516	3,716	2,722
1987	76,010	47,989	2,741	7,861	6,473	1,939	5,494	10,028	1,212	12,241	28,021	813	2,333	4,538	8,099	2,013	4,671	1,607	3,947	2,784
1988	80,413	50,906	2,771	8,854	6,718	2,152	5,774	10,444	1,316	12,877	29,507	1,031	2,413	4,738	8,411	2,074	5,117	1,661	4,062	3,058
1989	83,477	53,168	2,766	9,880	6,990	2,304	5,984	11,100	1,327	12,817	30,309	1,015	2,617	4,867	8,743	2,246	4,860	1,837	4,124	3,293
1990	87,576	56,058	2,975	10,545	7,947	2,431	5,904	11,649	1,485	13,122	31,518	1,140	2,780	4,753	9,023	2,417	5,086	1,954	4,365	3,574
1991	91,662	57,707	2,965	11,479	8,091	2,571	5,876	11,850	1,624	13,251	33,955	1,124	3,003	5,188	9,927	2,859	5,567	1,994	4,293	3,786
1992	93,009	58,455	2,946	11,703	8,624	2,677	5,740	11,914	1,614	13,237	34,554	1,060	3,014	5,451	10,429	3,025	5,580	2,031	3,964	3,710
1993	89,500	56,902	2,877	11,830	8,382	2,685	5,474	11,380	1,586	12,688	32,598	1,084	2,951	5,018	9,949	2,714	5,167	1,996	3,719	3,853
1994	86,170	55,752	2,882	11,674	7,944	2,860	5,350	10,913	1,858	12,271	30,418	1,138	2,755	4,793	8,962	2,749	4,785	1,779	3,457	3,653
1995	83,058	53,868	2,812	11,042	7,883	2,586	5,119	10,476	1,648	12,302	29,190	1,082	2,671	4,596	8,855	2,504	4,580	1,722	3,180	3,653
1996	83,365	53,982	2,622	10,422	8,795	2,396	5,081	10,299	1,623	12,744	29,383	1,159	2,557	4,282	9,349	2,638	4,666	1,736	2,996	4,011
1997	84,695	53,884	2,411	10,159	9,757	2,221	4,882	10,077	1,670	12,707	30,811	1,202	2,540	4,324	10,475	2,673	4,841	1,772	2,984	4,012
1998	86,998	54,949	2,284	10,395	10,930	2,186	4,690	9,923	1,738	12,803	32,049	1,297	2,571	4,283	11,469	2,639	4,861	1,842	3,087	4,023
1999	93,817	58,135	2,195	10,207	12,748	2,216	5,208	10,335	1,737	13,489	35,682	1,367	2,767	4,745	12,926	3,053	5,324	1,851	3,649	4,359
2000	105,742	64,534	2,098	10,820	16,928	2,403	5,395	10,891	1,860	14,139	41,208	1,401	3,084	5,441	15,709	3,725	6,226	1,956	3,666	4,531
2001	115,886	70,221	2,227	11,479	19,923	2,472	5,811	11,460	2,016	14,833	45,665	1,537	3,219	5,803	17,490	4,390	6,683	2,201	4,342	5,073
2002	125,375	75,164	2,322	12,848	20,660	2,546	6,319	12,383	2,195	15,891	50,211	1,569	3,420	6,278	19,586	4,663	7,368	2,362	4,965	6,008
2003	126,173	75,188	2,350	13,789	17,964	2,521	6,704	13,248	2,458	16,154	50,985	1,563	3,496	6,409	19,328	4,373	7,536	2,426	5,854	6,180
2004	123,184	75,111	2,427	14,646	16,443	2,563	6,691	13,597	2,661	16,083	48,073	1,548	3,380	6,121	17,940	4,029	6,908	2,363	5,784	6,153
2005	120,900	75,293	2,406	15,312	16,091	2,499	6,727	13,805	2,484	15,969	45,607	1,478	3,218	5,722	17,059	3,564	6,466	2,441	5,659	6,445
2006	124,464	76,980	2,381	15,661	16,801	2,507	6,822	13,862	2,364	16,582	47,484	1,327	3,241	5,554	18,683	3,625	6,640	2,390	6,024	6,867

NOTE: Distribution by citizenship status was not requested before 1980.

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

TABLE 10. Graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	493,256	493,311	509,607	540,404	567,121	574,463	582,226	597,643
Science and engineering	411,182	413,536	429,229	454,834	474,645	475,873	478,275	486,287
Science	309,491	309,424	319,736	335,166	347,268	352,307	357,710	363,246
Agricultural sciences	12,312	12,023	12,235	12,698	13,197	13,445	13,123	13,016
Biological sciences	56,959	56,282	57,639	61,088	64,701	66,565	68,479	69,941
Anatomy	749	795	735	906	908	897	938	961
Biochemistry	5,101	4,966	4,917	5,190	5,552	5,612	5,814	5,824
Biology	13,989	13,407	13,352	13,822	14,770	15,458	15,681	16,463
Biometry/epidemiology	3,704	3,615	3,817	4,071	4,439	4,674	4,805	4,789
Biophysics	710	751	877	953	1,032	1,180	1,183	1,203
Botany	1,974	1,904	1,921	1,973	1,901	1,831	1,860	1,850
Cell biology	4,637	4,820	4,911	5,375	5,689	5,830	6,177	6,553
Ecology	1,704	1,762	1,888	1,967	2,230	2,185	2,165	2,162
Entomology/parasitology	1,145	1,104	1,170	1,191	1,206	1,241	1,126	1,114
Genetics	1,783	1,712	1,841	1,909	2,073	2,129	2,155	2,154
Microbiology/immunology/virology	4,815	4,814	4,798	5,208	5,256	5,375	5,401	5,324
Nutrition	4,508	4,413	4,429	4,539	4,695	4,771	4,817	5,042
Pathology	1,580	1,531	1,637	1,613	1,541	1,557	1,593	1,612
Pharmacology	2,757	2,963	3,140	3,234	3,357	3,122	3,114	2,985
Physiology	2,083	2,015	1,967	2,076	2,328	2,409	2,399	2,416
Zoology	1,523	1,445	1,411	1,349	1,301	1,236	1,264	1,145
Biological sciences, nec	4,197	4,265	4,828	5,712	6,423	7,058	7,987	8,344
Computer sciences	42,478	47,350	52,196	55,269	53,696	50,016	47,978	47,653
Earth, atmospheric, and ocean sciences	14,083	13,941	13,841	14,240	14,620	15,131	14,836	14,920
Atmospheric sciences	913	963	924	1,036	1,150	1,086	1,146	1,079
Geosciences	6,637	6,596	6,544	6,712	6,889	7,358	7,212	7,177
Oceanography	2,624	2,668	2,585	2,618	2,695	2,801	2,760	2,770
Earth/atmospheric/ocean sciences, nec	3,909	3,714	3,788	3,874	3,886	3,886	3,718	3,894
Mathematical sciences	16,257	15,650	16,651	18,163	19,465	19,931	20,210	20,815
Mathematics/applied mathematics	13,521	12,823	13,569	14,702	15,569	15,964	16,106	16,649
Statistics	2,736	2,827	3,082	3,461	3,896	3,967	4,104	4,166
Physical sciences	30,691	30,385	31,038	32,341	34,298	35,761	36,375	36,901
Astronomy	832	888	916	990	1,080	1,119	1,191	1,211
Chemistry	18,416	18,105	18,366	19,045	20,049	20,776	21,101	21,351
Physics	10,869	10,841	11,248	11,701	12,555	13,298	13,472	13,722
Physical sciences, nec	574	551	508	605	614	568	611	617
Psychology	51,727	50,466	50,454	51,152	52,162	54,126	57,282	57,653
Clinical psychology	12,798	12,488	12,488	12,609	13,118	13,771	14,283	13,947
Psychology, general	16,071	15,429	15,638	14,969	15,364	16,089	16,620	16,622
Psychology, nec	22,858	22,549	22,328	23,574	23,680	24,266	26,379	27,084
Social sciences	84,984	83,327	85,682	90,215	95,129	97,332	99,427	102,347
Agricultural economics	2,014	2,079	2,161	2,187	2,318	2,195	2,127	2,158
Anthropology (cultural/social)	7,633	7,626	7,491	7,481	7,789	7,826	7,750	8,150
Economics (except agricultural)	10,562	10,748	11,408	12,009	12,316	12,318	11,805	12,132
Geography	4,250	4,036	4,304	4,383	4,721	4,809	4,800	4,750
History and philosophy of science	557	532	571	663	737	994	965	968
Linguistics	2,799	2,674	2,744	2,875	3,028	2,941	3,187	3,074
Political science	31,372	31,131	31,805	34,934	36,880	39,023	40,780	41,784
Sociology	8,966	8,652	8,812	8,946	9,127	8,874	9,018	9,035
Sociology/anthropology	741	745	808	719	773	839	848	837
Social sciences, nec	16,090	15,104	15,578	16,018	17,440	17,513	18,147	19,459
Engineering	101,691	104,112	109,493	119,668	127,377	123,566	120,565	123,041
Aerospace engineering	3,349	3,407	3,451	3,685	4,048	4,089	4,170	4,482

TABLE 10. Graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	986	943	947	952	1,058	1,041	1,059	1,073
Biomedical engineering	3,069	3,197	3,599	4,338	5,301	5,807	6,067	6,482
Chemical engineering	6,883	7,056	6,913	7,414	7,516	7,452	7,173	7,261
Civil engineering	16,226	16,451	16,665	17,713	18,890	18,561	18,114	17,802
Electrical engineering	31,822	33,611	36,100	39,948	41,763	38,995	37,450	38,265
Engineering science	1,627	1,632	1,798	2,121	2,240	2,198	1,951	2,046
Industrial engineering	11,803	12,119	12,940	14,033	14,313	13,852	13,650	13,829
Mechanical engineering	14,956	15,235	15,852	17,139	18,393	17,852	17,373	17,919
Metallurgical/materials engineering	4,481	4,377	4,721	4,992	5,131	5,059	5,160	5,268
Mining engineering	328	287	240	267	278	308	279	244
Nuclear engineering	830	792	801	795	885	971	1,013	1,099
Petroleum engineering	642	627	656	766	849	845	808	813
Engineering, nec	4,689	4,378	4,810	5,505	6,712	6,536	6,298	6,458
Health fields	82,074	79,775	80,378	85,570	92,476	98,590	103,951	111,356
Clinical medicine	17,276	16,407	17,363	19,166	20,574	20,866	21,414	23,441
Anesthesiology	897	863	917	1,011	1,216	1,337	1,363	1,370
Cardiology	63	53	50	43	36	39	33	32
Endocrinology	67	57	53	60	80	63	56	42
Gastroenterology	7	14	7	7	11	16	7	18
Hematology	5	6	6	13	25	30	13	14
Neurology	1,907	1,982	2,136	2,513	2,665	2,642	2,783	2,981
Obstetrics/gynecology	16	16	28	23	28	17	21	54
Oncology/cancer research	250	239	261	231	234	274	331	341
Ophthalmology	49	58	46	181	413	423	394	414
Otorhinolaryngology	3	9	4	8	9	12	12	14
Pediatrics	316	403	380	463	429	424	278	284
Preventive medicine/community health	11,907	10,757	11,038	11,821	12,312	12,335	12,605	14,320
Psychiatry	119	184	266	364	277	403	250	274
Pulmonary disease	6	7	8	5	14	7	27	10
Radiology	229	232	262	258	302	262	276	288
Surgery	122	147	130	86	84	75	88	105
Clinical medicine, nec	1,313	1,380	1,771	2,079	2,439	2,507	2,877	2,880
Other health	64,798	63,368	63,015	66,404	71,902	77,724	82,537	87,915
Dental sciences	1,467	1,430	1,494	1,446	1,654	1,946	1,748	1,614
Nursing	25,074	23,457	23,609	24,715	26,649	29,781	31,670	35,846
Pharmaceutical sciences	3,422	3,611	3,679	4,538	5,493	5,218	6,091	6,315
Speech pathology/audiology	13,600	13,636	13,193	13,368	13,694	14,045	14,821	14,847
Veterinary sciences	1,314	1,367	1,476	1,691	1,719	1,732	1,970	2,067
Other health, nec	19,921	19,867	19,564	20,646	22,693	25,002	26,237	27,226

nec = not elsewhere classified.

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

TABLE 11. Male graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	262,675	262,109	271,155	287,059	298,682	296,714	295,291	299,818
Science and engineering	242,786	243,057	251,810	266,217	276,248	274,008	271,967	275,181
Science	160,982	159,691	164,574	171,516	176,458	177,714	178,297	180,084
Agricultural sciences	7,263	6,935	6,892	7,045	7,171	7,187	6,921	6,717
Biological sciences	27,338	26,475	26,590	27,677	28,818	29,276	29,958	30,572
Anatomy	404	428	383	455	442	430	472	474
Biochemistry	2,835	2,735	2,694	2,768	2,957	2,969	2,996	3,012
Biology	6,846	6,401	6,163	6,308	6,612	6,841	7,043	7,407
Biometry/epidemiology	1,381	1,374	1,390	1,519	1,668	1,807	1,796	1,804
Biophysics	497	520	615	647	693	746	775	798
Botany	992	918	947	954	905	857	875	888
Cell biology	2,277	2,326	2,390	2,584	2,683	2,735	2,887	3,023
Ecology	823	846	909	928	1,022	993	955	938
Entomology/parasitology	739	662	690	699	669	676	606	596
Genetics	767	739	795	797	857	846	846	837
Microbiology/immunology/virology	2,365	2,382	2,303	2,400	2,323	2,322	2,319	2,274
Nutrition	1,077	1,034	993	1,027	1,037	1,050	1,026	1,101
Pathology	776	702	742	707	631	635	635	631
Pharmacology	1,414	1,447	1,482	1,461	1,539	1,429	1,401	1,321
Physiology	1,185	1,133	1,056	1,082	1,184	1,180	1,144	1,141
Zoology	853	803	744	711	656	596	628	559
Biological sciences, nec	2,107	2,025	2,294	2,630	2,940	3,164	3,554	3,768
Computer sciences	29,933	33,270	36,894	39,244	38,880	36,739	35,933	35,591
Earth, atmospheric, and ocean sciences	8,358	8,188	7,949	7,993	8,082	8,199	7,941	7,916
Atmospheric sciences	671	695	626	703	776	723	758	712
Geosciences	4,237	4,141	4,061	4,099	4,125	4,299	4,169	4,096
Oceanography	1,402	1,401	1,330	1,309	1,303	1,292	1,279	1,273
Earth/atmospheric/ocean sciences, nec	2,048	1,951	1,932	1,882	1,878	1,885	1,735	1,835
Mathematical sciences	10,214	9,870	10,381	11,277	12,176	12,434	12,773	13,122
Mathematics/applied mathematics	8,659	8,315	8,751	9,463	10,163	10,351	10,546	10,877
Statistics	1,555	1,555	1,630	1,814	2,013	2,083	2,227	2,245
Physical sciences	21,776	21,270	21,702	22,275	23,520	24,461	24,649	24,896
Astronomy	607	621	651	688	735	764	797	804
Chemistry	11,799	11,349	11,511	11,720	12,210	12,544	12,678	12,707
Physics	8,993	8,931	9,206	9,500	10,189	10,797	10,803	11,012
Physical sciences, nec	377	369	334	367	386	356	371	373
Psychology	14,456	13,594	13,147	13,435	13,383	13,970	13,963	13,950
Clinical psychology	3,513	3,205	3,089	3,142	3,163	3,148	3,271	3,104
Psychology, general	4,816	4,555	4,512	4,453	4,544	5,131	4,690	4,633
Psychology, nec	6,127	5,834	5,546	5,840	5,676	5,691	6,002	6,213
Social sciences	41,644	40,089	41,019	42,570	44,428	45,448	46,159	47,320
Agricultural economics	1,299	1,290	1,326	1,343	1,418	1,341	1,252	1,249
Anthropology (cultural/social)	2,989	2,941	2,929	2,864	2,919	2,853	2,810	2,935
Economics (except agricultural)	7,063	6,983	7,413	7,741	7,808	7,833	7,551	7,789
Geography	2,547	2,409	2,503	2,540	2,693	2,801	2,787	2,748
History and philosophy of science	345	313	327	362	425	580	525	540
Linguistics	966	930	951	984	1,023	1,014	1,132	1,088
Political science	15,799	15,204	15,304	16,315	17,038	18,203	18,898	19,545
Sociology	3,227	3,072	3,080	3,178	3,226	3,080	3,225	3,242
Sociology/anthropology	271	282	308	266	267	292	303	290
Social sciences, nec	7,138	6,665	6,878	6,977	7,611	7,451	7,676	7,894
Engineering	81,804	83,366	87,236	94,701	99,790	96,294	93,670	95,097
Aerospace engineering	2,926	2,938	2,966	3,169	3,445	3,489	3,563	3,773

TABLE 11. Male graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	717	661	647	664	743	730	736	723
Biomedical engineering	2,083	2,141	2,361	2,825	3,357	3,624	3,770	3,996
Chemical engineering	5,150	5,181	5,084	5,419	5,416	5,346	5,094	5,102
Civil engineering	12,069	12,174	12,162	12,808	13,492	13,120	12,709	12,379
Electrical engineering	26,689	28,075	29,888	32,678	33,969	31,794	30,662	31,239
Engineering science	1,308	1,290	1,435	1,691	1,775	1,733	1,532	1,595
Industrial engineering	9,144	9,406	10,132	10,957	11,047	10,622	10,354	10,363
Mechanical engineering	13,168	13,403	13,908	15,056	16,039	15,396	14,965	15,434
Metallurgical/materials engineering	3,397	3,336	3,548	3,741	3,800	3,738	3,812	3,878
Mining engineering	273	241	204	230	236	266	240	201
Nuclear engineering	686	636	644	647	703	775	802	885
Petroleum engineering	560	540	565	659	720	711	687	678
Engineering, nec	3,634	3,344	3,692	4,157	5,048	4,950	4,744	4,851
Health fields	19,889	19,052	19,345	20,842	22,434	22,706	23,324	24,637
Clinical medicine	7,075	6,497	6,775	7,391	7,751	7,395	7,339	7,908
Anesthesiology	421	437	413	422	498	469	463	465
Cardiology	37	38	31	24	26	28	20	21
Endocrinology	35	29	25	28	47	24	25	21
Gastroenterology	2	8	1	1	1	7	2	8
Hematology	1	4	4	3	10	14	8	10
Neurology	1,086	1,090	1,123	1,330	1,348	1,311	1,357	1,410
Obstetrics/gynecology	6	10	15	9	16	7	12	21
Oncology/cancer research	113	109	119	86	90	117	142	146
Ophthalmology	19	27	23	106	142	148	130	134
Otorhinolaryngology	3	3	2	7	7	11	7	7
Pediatrics	55	90	53	66	64	61	49	48
Preventive medicine/community health	4,353	3,711	3,798	4,099	4,099	3,825	3,676	4,207
Psychiatry	23	34	65	69	60	82	52	55
Pulmonary disease	4	5	3	3	6	1	14	6
Radiology	162	140	156	156	172	139	144	148
Surgery	68	77	89	61	58	45	61	64
Clinical medicine, nec	687	685	855	921	1,107	1,106	1,177	1,137
Other health	12,814	12,555	12,570	13,451	14,683	15,311	15,985	16,729
Dental sciences	918	880	931	882	998	1,105	967	928
Nursing	2,261	2,195	2,258	2,559	2,752	2,800	2,939	3,307
Pharmaceutical sciences	1,732	1,764	1,820	2,097	2,481	2,314	2,645	2,783
Speech pathology/audiology	1,060	1,027	1,006	963	958	986	965	997
Veterinary sciences	578	607	610	675	687	692	729	758
Other health, nec	6,265	6,082	5,945	6,275	6,807	7,414	7,740	7,956

nec = not elsewhere classified.

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

TABLE 12. Female graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	230,581	231,202	238,452	253,345	268,439	277,749	286,935	297,825
Science and engineering	168,396	170,479	177,419	188,617	198,397	201,865	206,308	211,106
Science	148,509	149,733	155,162	163,650	170,810	174,593	179,413	183,162
Agricultural sciences	5,049	5,088	5,343	5,653	6,026	6,258	6,202	6,299
Biological sciences	29,621	29,807	31,049	33,411	35,883	37,289	38,521	39,369
Anatomy	345	367	352	451	466	467	466	487
Biochemistry	2,266	2,231	2,223	2,422	2,595	2,643	2,818	2,812
Biology	7,143	7,006	7,189	7,514	8,158	8,617	8,638	9,056
Biometry/epidemiology	2,323	2,241	2,427	2,552	2,771	2,867	3,009	2,985
Biophysics	213	231	262	306	339	434	408	405
Botany	982	986	974	1,019	996	974	985	962
Cell biology	2,360	2,494	2,521	2,791	3,006	3,095	3,290	3,530
Ecology	881	916	979	1,039	1,208	1,192	1,210	1,224
Entomology/parasitology	406	442	480	492	537	565	520	518
Genetics	1,016	973	1,046	1,112	1,216	1,283	1,309	1,317
Microbiology/immunology/virology	2,450	2,432	2,495	2,808	2,933	3,053	3,082	3,050
Nutrition	3,431	3,379	3,436	3,512	3,658	3,721	3,791	3,941
Pathology	804	829	895	906	910	922	958	981
Pharmacology	1,343	1,516	1,658	1,773	1,818	1,693	1,713	1,664
Physiology	898	882	911	994	1,144	1,229	1,255	1,275
Zoology	670	642	667	638	645	640	636	586
Biological sciences, nec	2,090	2,240	2,534	3,082	3,483	3,894	4,433	4,576
Computer sciences	12,545	14,080	15,302	16,025	14,816	13,277	12,045	12,062
Earth, atmospheric, and ocean sciences	5,725	5,753	5,892	6,247	6,538	6,932	6,895	7,004
Atmospheric sciences	242	268	298	333	374	363	388	367
Geosciences	2,400	2,455	2,483	2,613	2,764	3,059	3,043	3,081
Oceanography	1,222	1,267	1,255	1,309	1,392	1,509	1,481	1,497
Earth/atmospheric/ocean sciences, nec	1,861	1,763	1,856	1,992	2,008	2,001	1,983	2,059
Mathematical sciences	6,043	5,780	6,270	6,886	7,289	7,497	7,437	7,693
Mathematics/applied mathematics	4,862	4,508	4,818	5,239	5,406	5,613	5,560	5,772
Statistics	1,181	1,272	1,452	1,647	1,883	1,884	1,877	1,921
Physical sciences	8,915	9,115	9,336	10,066	10,778	11,300	11,726	12,005
Astronomy	225	267	265	302	345	355	394	407
Chemistry	6,617	6,756	6,855	7,325	7,839	8,232	8,423	8,644
Physics	1,876	1,910	2,042	2,201	2,366	2,501	2,669	2,710
Physical sciences, nec	197	182	174	238	228	212	240	244
Psychology	37,271	36,872	37,307	37,717	38,779	40,156	43,319	43,703
Clinical psychology	9,285	9,283	9,399	9,467	9,955	10,623	11,012	10,843
Psychology, general	11,255	10,874	11,126	10,516	10,820	10,958	11,930	11,989
Psychology, nec	16,731	16,715	16,782	17,734	18,004	18,575	20,377	20,871
Social sciences	43,340	43,238	44,663	47,645	50,701	51,884	53,268	55,027
Agricultural economics	715	789	835	844	900	854	875	909
Anthropology (cultural/social)	4,644	4,685	4,562	4,617	4,870	4,973	4,940	5,215
Economics (except agricultural)	3,499	3,765	3,995	4,268	4,508	4,485	4,254	4,343
Geography	1,703	1,627	1,801	1,843	2,028	2,008	2,013	2,002
History and philosophy of science	212	219	244	301	312	414	440	428
Linguistics	1,833	1,744	1,793	1,891	2,005	1,927	2,055	1,986
Political science	15,573	15,927	16,501	18,619	19,842	20,820	21,882	22,239
Sociology	5,739	5,580	5,732	5,768	5,901	5,794	5,793	5,793
Sociology/anthropology	470	463	500	453	506	547	545	547
Social sciences, nec	8,952	8,439	8,700	9,041	9,829	10,062	10,471	11,565
Engineering	19,887	20,746	22,257	24,967	27,587	27,272	26,895	27,944
Aerospace engineering	423	469	485	516	603	600	607	709

TABLE 12. Female graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	269	282	300	288	315	311	323	350
Biomedical engineering	986	1,056	1,238	1,513	1,944	2,183	2,297	2,486
Chemical engineering	1,733	1,875	1,829	1,995	2,100	2,106	2,079	2,159
Civil engineering	4,157	4,277	4,503	4,905	5,398	5,441	5,405	5,423
Electrical engineering	5,133	5,536	6,212	7,270	7,794	7,201	6,788	7,026
Engineering science	319	342	363	430	465	465	419	451
Industrial engineering	2,659	2,713	2,808	3,076	3,266	3,230	3,296	3,466
Mechanical engineering	1,788	1,832	1,944	2,083	2,354	2,456	2,408	2,485
Metallurgical/materials engineering	1,084	1,041	1,173	1,251	1,331	1,321	1,348	1,390
Mining engineering	55	46	36	37	42	42	39	43
Nuclear engineering	144	156	157	148	182	196	211	214
Petroleum engineering	82	87	91	107	129	134	121	135
Engineering, nec	1,055	1,034	1,118	1,348	1,664	1,586	1,554	1,607
Health fields	62,185	60,723	61,033	64,728	70,042	75,884	80,627	86,719
Clinical medicine	10,201	9,910	10,588	11,775	12,823	13,471	14,075	15,533
Anesthesiology	476	426	504	589	718	868	900	905
Cardiology	26	15	19	19	10	11	13	11
Endocrinology	32	28	28	32	33	39	31	21
Gastroenterology	5	6	6	6	10	9	5	10
Hematology	4	2	2	10	15	16	5	4
Neurology	821	892	1,013	1,183	1,317	1,331	1,426	1,571
Obstetrics/gynecology	10	6	13	14	12	10	9	33
Oncology/cancer research	137	130	142	145	144	157	189	195
Ophthalmology	30	31	23	75	271	275	264	280
Otorhinolaryngology	0	6	2	1	2	1	5	7
Pediatrics	261	313	327	397	365	363	229	236
Preventive medicine/community health	7,554	7,046	7,240	7,722	8,213	8,510	8,929	10,113
Psychiatry	96	150	201	295	217	321	198	219
Pulmonary disease	2	2	5	2	8	6	13	4
Radiology	67	92	106	102	130	123	132	140
Surgery	54	70	41	25	26	30	27	41
Clinical medicine, nec	626	695	916	1,158	1,332	1,401	1,700	1,743
Other health	51,984	50,813	50,445	52,953	57,219	62,413	66,552	71,186
Dental sciences	549	550	563	564	656	841	781	686
Nursing	22,813	21,262	21,351	22,156	23,897	26,981	28,731	32,539
Pharmaceutical sciences	1,690	1,847	1,859	2,441	3,012	2,904	3,446	3,532
Speech pathology/audiology	12,540	12,609	12,187	12,405	12,736	13,059	13,856	13,850
Veterinary sciences	736	760	866	1,016	1,032	1,040	1,241	1,309
Other health, nec	13,656	13,785	13,619	14,371	15,886	17,588	18,497	19,270

nec = not elsewhere classified.

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

TABLE 13. Graduate students in science, engineering, and health fields in public institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	344,372	346,658	359,595	384,591	406,692	405,636	408,134	413,848
Science and engineering	285,028	288,310	300,940	322,168	339,108	335,634	335,593	337,239
Science	212,909	213,082	221,308	233,158	243,790	244,451	247,547	248,699
Agricultural sciences	11,842	11,517	11,681	12,093	12,508	12,766	12,446	12,342
Biological sciences	40,685	40,224	41,069	43,390	46,436	46,788	48,435	49,360
Anatomy	562	591	552	655	643	611	646	607
Biochemistry	3,585	3,516	3,513	3,646	3,951	3,894	4,088	4,066
Biology	10,459	10,096	10,071	10,468	11,245	11,647	11,964	12,546
Biometry/epidemiology	2,200	2,192	2,356	2,635	2,856	2,724	2,782	2,881
Biophysics	416	449	533	613	680	732	739	772
Botany	1,832	1,811	1,834	1,907	1,827	1,759	1,788	1,775
Cell biology	2,849	3,013	3,118	3,427	3,649	3,684	3,960	4,224
Ecology	1,526	1,582	1,678	1,683	1,952	1,933	1,893	1,899
Entomology/parasitology	1,087	1,055	1,119	1,138	1,158	1,197	1,094	1,079
Genetics	1,124	1,064	1,136	1,129	1,272	1,247	1,302	1,300
Microbiology/immunology/virology	3,220	3,206	3,195	3,395	3,383	3,398	3,420	3,342
Nutrition	3,650	3,447	3,445	3,451	3,655	3,718	3,889	3,991
Pathology	1,053	1,015	1,033	984	995	998	958	1,006
Pharmacology	1,848	2,058	2,039	2,070	2,283	2,025	2,104	1,923
Physiology	1,324	1,197	1,134	1,202	1,397	1,443	1,450	1,536
Zoology	1,461	1,406	1,354	1,287	1,244	1,204	1,254	1,138
Biological sciences, nec	2,489	2,526	2,959	3,700	4,246	4,574	5,104	5,275
Computer sciences	26,530	29,276	32,262	34,798	34,754	31,861	30,849	30,386
Earth, atmospheric, and ocean sciences	11,866	11,793	11,649	11,991	12,368	12,766	12,455	12,506
Atmospheric sciences	896	938	897	1,000	1,114	1,042	1,089	1,047
Geosciences	5,478	5,458	5,390	5,535	5,736	6,131	5,997	5,948
Oceanography	2,217	2,265	2,222	2,224	2,276	2,372	2,282	2,292
Earth/atmospheric/ocean sciences, nec	3,275	3,132	3,140	3,232	3,242	3,221	3,087	3,219
Mathematical sciences	12,355	12,286	13,185	14,400	15,546	15,734	15,988	16,284
Mathematics/applied mathematics	10,138	10,074	10,767	11,634	12,416	12,558	12,760	13,014
Statistics	2,217	2,212	2,418	2,766	3,130	3,176	3,228	3,270
Physical sciences	22,544	22,436	22,880	23,950	25,340	26,511	27,209	27,422
Astronomy	511	542	538	566	637	663	690	679
Chemistry	13,607	13,476	13,641	14,165	14,859	15,436	15,876	15,980
Physics	7,860	7,876	8,206	8,634	9,237	9,851	10,039	10,154
Physical sciences, nec	566	542	495	585	607	561	604	609
Psychology	27,479	26,722	27,305	28,219	28,768	28,673	29,596	28,807
Clinical psychology	3,910	3,860	3,837	3,948	3,957	3,908	3,758	3,749
Psychology, general	10,517	10,026	10,022	10,083	10,849	10,839	11,349	11,408
Psychology, nec	13,052	12,836	13,446	14,188	13,962	13,926	14,489	13,650
Social sciences	59,608	58,828	61,277	64,317	68,070	69,352	70,569	71,592
Agricultural economics	1,949	2,019	2,099	2,126	2,246	2,110	2,055	2,088
Anthropology (cultural/social)	5,640	5,642	5,547	5,552	5,879	5,959	5,860	6,224
Economics (except agricultural)	6,923	6,990	7,480	8,111	8,445	8,546	8,181	8,334
Geography	3,925	3,715	4,002	4,107	4,422	4,513	4,527	4,443
History and philosophy of science	350	332	373	449	508	756	708	727
Linguistics	2,063	1,979	2,044	2,197	2,324	2,295	2,329	2,456
Political science	20,067	19,850	20,737	22,370	23,693	24,712	25,312	25,034
Sociology	6,842	6,618	6,815	6,950	7,063	6,908	6,997	7,001
Sociology/anthropology	616	610	633	601	639	704	710	730
Social sciences, nec	11,233	11,073	11,547	11,854	12,851	12,849	13,890	14,555
Engineering	72,119	75,228	79,632	89,010	95,318	91,183	88,046	88,540
Aerospace engineering	2,339	2,385	2,415	2,644	2,908	2,995	3,030	3,211

TABLE 13. Graduate students in science, engineering, and health fields in public institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	940	889	879	888	993	979	999	1,011
Biomedical engineering	1,939	2,004	2,158	2,732	3,498	3,688	3,793	3,984
Chemical engineering	4,887	5,088	4,911	5,414	5,519	5,422	5,142	5,125
Civil engineering	12,695	12,965	13,271	14,097	15,266	14,967	14,612	14,248
Electrical engineering	21,170	23,130	25,158	28,764	30,365	27,945	26,618	26,736
Engineering science	1,110	1,000	1,096	1,234	1,482	1,362	1,088	1,091
Industrial engineering	7,967	8,469	9,112	10,050	9,798	9,223	8,683	8,793
Mechanical engineering	11,235	11,617	12,120	13,537	14,342	13,565	12,911	13,075
Metallurgical/materials engineering	3,108	3,147	3,453	3,703	3,803	3,802	3,992	4,055
Mining engineering	222	275	235	263	273	308	279	244
Nuclear engineering	716	672	691	686	773	872	913	992
Petroleum engineering	543	531	538	638	729	708	692	701
Engineering, nec	3,248	3,056	3,595	4,360	5,569	5,347	5,294	5,274
Health fields	59,344	58,348	58,655	62,423	67,584	70,002	72,541	76,609
Clinical medicine	10,611	10,417	10,910	12,019	12,791	12,644	12,951	13,182
Anesthesiology	303	352	405	510	619	655	634	637
Cardiology	34	26	25	16	9	0	0	3
Endocrinology	67	57	53	58	78	62	56	42
Gastroenterology	7	14	7	7	11	16	7	18
Hematology	5	6	6	7	13	23	13	14
Neurology	999	1,073	1,173	1,430	1,540	1,419	1,497	1,570
Obstetrics/gynecology	13	8	20	13	13	3	10	16
Oncology/cancer research	145	143	146	123	116	137	186	179
Ophthalmology	49	58	46	178	399	404	392	406
Otorhinolaryngology	3	6	4	8	9	12	12	12
Pediatrics	243	257	287	362	361	355	211	211
Preventive medicine/community health	7,534	7,052	7,191	7,551	7,753	7,546	7,833	8,022
Psychiatry	58	78	189	267	232	357	197	236
Pulmonary disease	1	1	1	5	14	6	26	9
Radiology	177	190	217	216	237	236	253	261
Surgery	118	139	122	78	75	68	81	99
Clinical medicine, nec	855	957	1,018	1,190	1,312	1,345	1,543	1,447
Other health	48,733	47,931	47,745	50,404	54,793	57,358	59,590	63,427
Dental sciences	1,199	1,213	1,239	1,205	1,365	1,629	1,447	1,311
Nursing	19,979	18,857	18,965	19,837	21,464	23,522	24,043	26,563
Pharmaceutical sciences	2,672	2,949	2,972	3,707	4,517	3,964	4,302	4,257
Speech pathology/audiology	11,342	11,298	10,915	10,662	10,821	10,796	11,297	11,438
Veterinary sciences	1,267	1,322	1,430	1,638	1,667	1,674	1,858	1,951
Other health, nec	12,274	12,292	12,224	13,355	14,959	15,773	16,643	17,907

nec = not elsewhere classified.

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

TABLE 14. Graduate students in science, engineering, and health fields in private institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	148,884	146,653	150,012	155,813	160,429	168,827	174,092	183,795
Science and engineering	126,154	125,226	128,289	132,666	135,537	140,239	142,682	149,048
Science	96,582	96,342	98,428	102,008	103,478	107,856	110,163	114,547
Agricultural sciences	470	506	554	605	689	679	677	674
Biological sciences	16,274	16,058	16,570	17,698	18,265	19,777	20,044	20,581
Anatomy	187	204	183	251	265	286	292	354
Biochemistry	1,516	1,450	1,404	1,544	1,601	1,718	1,726	1,758
Biology	3,530	3,311	3,281	3,354	3,525	3,811	3,717	3,917
Biometry/epidemiology	1,504	1,423	1,461	1,436	1,583	1,950	2,023	1,908
Biophysics	294	302	344	340	352	448	444	431
Botany	142	93	87	66	74	72	72	75
Cell biology	1,788	1,807	1,793	1,948	2,040	2,146	2,217	2,329
Ecology	178	180	210	284	278	252	272	263
Entomology/parasitology	58	49	51	53	48	44	32	35
Genetics	659	648	705	780	801	882	853	854
Microbiology/immunology/virology	1,595	1,608	1,603	1,813	1,873	1,977	1,981	1,982
Nutrition	858	966	984	1,088	1,040	1,053	928	1,051
Pathology	527	516	604	629	546	559	635	606
Pharmacology	909	905	1,101	1,164	1,074	1,097	1,010	1,062
Physiology	759	818	833	874	931	966	949	880
Zoology	62	39	57	62	57	32	10	7
Biological sciences, nec	1,708	1,739	1,869	2,012	2,177	2,484	2,883	3,069
Computer sciences	15,948	18,074	19,934	20,471	18,942	18,155	17,129	17,267
Earth, atmospheric, and ocean sciences	2,217	2,148	2,192	2,249	2,252	2,365	2,381	2,414
Atmospheric sciences	17	25	27	36	36	44	57	32
Geosciences	1,159	1,138	1,154	1,177	1,153	1,227	1,215	1,229
Oceanography	407	403	363	394	419	429	478	478
Earth/atmospheric/ocean sciences, nec	634	582	648	642	644	665	631	675
Mathematical sciences	3,902	3,364	3,466	3,763	3,919	4,197	4,222	4,531
Mathematics/applied mathematics	3,383	2,749	2,802	3,068	3,153	3,406	3,346	3,635
Statistics	519	615	664	695	766	791	876	896
Physical sciences	8,147	7,949	8,158	8,391	8,958	9,250	9,166	9,479
Astronomy	321	346	378	424	443	456	501	532
Chemistry	4,809	4,629	4,725	4,880	5,190	5,340	5,225	5,371
Physics	3,009	2,965	3,042	3,067	3,318	3,447	3,433	3,568
Physical sciences, nec	8	9	13	20	7	7	7	8
Psychology	24,248	23,744	23,149	22,933	23,394	25,453	27,686	28,846
Clinical psychology	8,888	8,628	8,651	8,661	9,161	9,863	10,525	10,198
Psychology, general	5,554	5,403	5,616	4,886	4,515	5,250	5,271	5,214
Psychology, nec	9,806	9,713	8,882	9,386	9,718	10,340	11,890	13,434
Social sciences	25,376	24,499	24,405	25,898	27,059	27,980	28,858	30,755
Agricultural economics	65	60	62	61	72	85	72	70
Anthropology (cultural/social)	1,993	1,984	1,944	1,929	1,910	1,867	1,890	1,926
Economics (except agricultural)	3,639	3,758	3,928	3,898	3,871	3,772	3,624	3,798
Geography	325	321	302	276	299	296	273	307
History and philosophy of science	207	200	198	214	229	238	257	241
Linguistics	736	695	700	678	704	646	858	618
Political science	11,305	11,281	11,068	12,564	13,187	14,311	15,468	16,750
Sociology	2,124	2,034	1,997	1,996	2,064	1,966	2,021	2,034
Sociology/anthropology	125	135	175	118	134	135	138	107
Social sciences, nec	4,857	4,031	4,031	4,164	4,589	4,664	4,257	4,904
Engineering	29,572	28,884	29,861	30,658	32,059	32,383	32,519	34,501
Aerospace engineering	1,010	1,022	1,036	1,041	1,140	1,094	1,140	1,271

TABLE 14. Graduate students in science, engineering, and health fields in private institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	46	54	68	64	65	62	60	62
Biomedical engineering	1,130	1,193	1,441	1,606	1,803	2,119	2,274	2,498
Chemical engineering	1,996	1,968	2,002	2,000	1,997	2,030	2,031	2,136
Civil engineering	3,531	3,486	3,394	3,616	3,624	3,594	3,502	3,554
Electrical engineering	10,652	10,481	10,942	11,184	11,398	11,050	10,832	11,529
Engineering science	517	632	702	887	758	836	863	955
Industrial engineering	3,836	3,650	3,828	3,983	4,515	4,629	4,967	5,036
Mechanical engineering	3,721	3,618	3,732	3,602	4,051	4,287	4,462	4,844
Metallurgical/materials engineering	1,373	1,230	1,268	1,289	1,328	1,257	1,168	1,213
Mining engineering	106	12	5	4	5	0	0	0
Nuclear engineering	114	120	110	109	112	99	100	107
Petroleum engineering	99	96	118	128	120	137	116	112
Engineering, nec	1,441	1,322	1,215	1,145	1,143	1,189	1,004	1,184
Health fields	22,730	21,427	21,723	23,147	24,892	28,588	31,410	34,747
Clinical medicine	6,665	5,990	6,453	7,147	7,783	8,222	8,463	10,259
Anesthesiology	594	511	512	501	597	682	729	733
Cardiology	29	27	25	27	27	39	33	29
Endocrinology	0	0	0	2	2	1	0	0
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	6	12	7	0	0
Neurology	908	909	963	1,083	1,125	1,223	1,286	1,411
Obstetrics/gynecology	3	8	8	10	15	14	11	38
Oncology/cancer research	105	96	115	108	118	137	145	162
Ophthalmology	0	0	0	3	14	19	2	8
Otorhinolaryngology	0	3	0	0	0	0	0	2
Pediatrics	73	146	93	101	68	69	67	73
Preventive medicine/community health	4,373	3,705	3,847	4,270	4,559	4,789	4,772	6,298
Psychiatry	61	106	77	97	45	46	53	38
Pulmonary disease	5	6	7	0	0	1	1	1
Radiology	52	42	45	42	65	26	23	27
Surgery	4	8	8	8	9	7	7	6
Clinical medicine, nec	458	423	753	889	1,127	1,162	1,334	1,433
Other health	16,065	15,437	15,270	16,000	17,109	20,366	22,947	24,488
Dental sciences	268	217	255	241	289	317	301	303
Nursing	5,095	4,600	4,644	4,878	5,185	6,259	7,627	9,283
Pharmaceutical sciences	750	662	707	831	976	1,254	1,789	2,058
Speech pathology/audiology	2,258	2,338	2,278	2,706	2,873	3,249	3,524	3,409
Veterinary sciences	47	45	46	53	52	58	112	116
Other health, nec	7,647	7,575	7,340	7,291	7,734	9,229	9,594	9,319

nec = not elsewhere classified.

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

TABLE 15. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	493,256	493,311	509,607	540,404	567,121	574,463	582,226	597,643
U.S. citizens and permanent residents	377,802	364,894	368,737	387,416	412,105	423,218	434,730	446,625
American Indian/Alaska Native	1,994	2,021	2,136	2,239	2,399	2,354	2,485	2,689
Asian/Pacific Islander	32,717	30,190	31,945	34,918	38,155	37,735	37,764	37,863
Black, non-Hispanic	25,200	25,928	27,071	28,715	31,242	32,496	33,547	34,866
Hispanic	20,322	21,327	22,329	24,282	26,684	28,031	29,309	30,510
White, non-Hispanic	275,325	261,112	260,371	270,025	283,241	288,574	292,276	299,275
Other or unknown	22,244	24,316	24,885	27,237	30,384	34,028	39,349	41,422
Temporary visa holders	115,454	128,417	140,870	152,988	155,016	151,245	147,496	151,018
Science and engineering	411,182	413,536	429,229	454,834	474,645	475,873	478,275	486,287
U.S. citizens and permanent residents	301,254	290,651	294,608	309,119	327,181	332,022	338,513	343,603
American Indian/Alaska Native	1,553	1,602	1,683	1,734	1,879	1,848	1,958	2,112
Asian/Pacific Islander	27,570	24,998	26,494	29,229	31,786	30,645	30,574	30,179
Black, non-Hispanic	20,273	20,834	21,455	22,668	24,174	24,624	25,248	25,664
Hispanic	16,520	17,203	17,974	19,634	21,241	22,212	23,387	24,140
White, non-Hispanic	216,750	205,569	206,018	213,135	222,674	224,850	225,776	227,993
Other or unknown	18,588	20,445	20,984	22,719	25,427	27,843	31,570	33,515
Temporary visa holders	109,928	122,885	134,621	145,715	147,464	143,851	139,762	142,684
Science	309,491	309,424	319,736	335,166	347,268	352,307	357,710	363,246
U.S. citizens and permanent residents	241,066	234,000	237,718	247,842	259,871	265,643	271,962	275,905
American Indian/Alaska Native	1,311	1,394	1,456	1,490	1,575	1,575	1,685	1,822
Asian/Pacific Islander	19,409	17,784	18,568	19,930	21,099	20,933	20,844	21,000
Black, non-Hispanic	17,308	17,857	18,540	19,594	20,962	21,225	21,778	22,092
Hispanic	13,596	14,185	14,791	16,173	17,262	18,048	19,297	19,759
White, non-Hispanic	174,687	166,486	167,559	172,576	179,205	181,615	182,908	184,700
Other or unknown	14,755	16,294	16,804	18,079	19,768	22,247	25,450	26,532
Temporary visa holders	68,425	75,424	82,018	87,324	87,397	86,664	85,748	87,341
Agricultural sciences	12,312	12,023	12,235	12,698	13,197	13,445	13,123	13,016
U.S. citizens and permanent residents	9,774	9,612	9,722	10,085	10,601	10,750	10,464	10,341
American Indian/Alaska Native	69	56	58	76	77	82	76	85
Asian/Pacific Islander	310	250	262	286	316	329	290	338
Black, non-Hispanic	310	292	327	375	460	394	417	453
Hispanic	422	440	425	406	490	524	506	535
White, non-Hispanic	8,383	8,152	8,147	8,486	8,799	8,936	8,662	8,384
Other or unknown	280	422	503	456	459	485	513	546
Temporary visa holders	2,538	2,411	2,513	2,613	2,596	2,695	2,659	2,675
Biological sciences	56,959	56,282	57,639	61,088	64,701	66,565	68,479	69,941
U.S. citizens and permanent residents	45,770	44,521	45,196	47,253	49,865	50,734	52,012	53,034
American Indian/Alaska Native	186	189	205	210	236	248	277	310
Asian/Pacific Islander	4,476	4,246	4,701	4,826	5,158	5,277	5,420	5,709
Black, non-Hispanic	2,218	2,241	2,351	2,479	2,757	2,902	2,991	3,071
Hispanic	2,185	2,183	2,338	2,585	2,830	2,993	3,146	3,289
White, non-Hispanic	34,319	33,255	33,193	34,568	35,809	36,053	36,627	37,163
Other or unknown	2,386	2,407	2,408	2,585	3,075	3,261	3,551	3,492
Temporary visa holders	11,189	11,761	12,443	13,835	14,836	15,831	16,467	16,907
Computer sciences	42,478	47,350	52,196	55,269	53,696	50,016	47,978	47,653
U.S. citizens and permanent residents	25,323	25,088	26,142	28,203	29,420	28,261	27,409	26,675
American Indian/Alaska Native	74	80	87	83	104	91	100	105
Asian/Pacific Islander	6,144	5,332	5,427	5,953	5,767	5,102	4,573	4,222
Black, non-Hispanic	1,485	1,512	1,709	1,898	1,951	1,799	1,761	1,774
Hispanic	865	863	894	1,004	1,101	1,142	1,199	1,207
White, non-Hispanic	14,377	14,468	15,057	15,962	17,260	16,938	16,555	15,943
Other or unknown	2,378	2,833	2,968	3,303	3,237	3,189	3,221	3,424
Temporary visa holders	17,155	22,262	26,054	27,066	24,276	21,755	20,569	20,978

TABLE 15. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Earth, atmospheric, and ocean sciences	14,083	13,941	13,841	14,240	14,620	15,131	14,836	14,920
U.S. citizens and permanent residents	11,563	11,249	11,059	11,463	11,837	12,337	12,058	12,153
American Indian/Alaska Native	63	61	70	81	63	67	61	69
Asian/Pacific Islander	400	351	341	346	355	428	400	389
Black, non-Hispanic	213	220	227	266	270	261	262	263
Hispanic	400	355	397	413	484	538	508	540
White, non-Hispanic	10,007	9,812	9,573	9,799	9,963	10,342	10,126	10,116
Other or unknown	480	450	451	558	702	701	701	776
Temporary visa holders	2,520	2,692	2,782	2,777	2,783	2,794	2,778	2,767
Mathematical sciences	16,257	15,650	16,651	18,163	19,465	19,931	20,210	20,815
U.S. citizens and permanent residents	10,330	9,593	10,167	11,139	12,057	12,524	12,768	13,219
American Indian/Alaska Native	30	25	38	24	25	39	38	59
Asian/Pacific Islander	1,002	948	985	1,184	1,364	1,298	1,372	1,413
Black, non-Hispanic	594	572	590	626	655	696	720	711
Hispanic	447	460	482	542	604	625	633	695
White, non-Hispanic	7,659	6,955	7,386	7,923	8,414	8,859	8,916	9,201
Other or unknown	598	633	686	840	995	1,007	1,089	1,140
Temporary visa holders	5,927	6,057	6,484	7,024	7,408	7,407	7,442	7,596
Physical sciences	30,691	30,385	31,038	32,341	34,298	35,761	36,375	36,901
U.S. citizens and permanent residents	19,559	18,730	18,835	19,251	20,171	21,148	21,675	22,144
American Indian/Alaska Native	69	75	81	83	79	78	82	118
Asian/Pacific Islander	1,682	1,524	1,458	1,424	1,577	1,678	1,631	1,753
Black, non-Hispanic	903	918	875	893	939	993	1,006	1,009
Hispanic	895	844	896	981	1,094	1,233	1,242	1,256
White, non-Hispanic	15,037	14,343	14,248	14,620	15,107	15,726	16,299	16,325
Other or unknown	973	1,026	1,277	1,250	1,375	1,440	1,415	1,683
Temporary visa holders	11,132	11,655	12,203	13,090	14,127	14,613	14,700	14,757
Psychology	51,727	50,466	50,454	51,152	52,162	54,126	57,282	57,653
U.S. citizens and permanent residents	49,488	48,203	47,933	48,295	49,055	50,932	54,228	54,802
American Indian/Alaska Native	300	360	334	320	324	323	332	344
Asian/Pacific Islander	2,038	2,063	2,176	2,186	2,374	2,443	2,551	2,612
Black, non-Hispanic	3,749	4,214	4,343	4,487	4,692	4,990	5,238	5,089
Hispanic	3,567	4,145	4,309	4,655	4,677	4,791	5,101	5,222
White, non-Hispanic	36,267	33,801	33,569	33,464	33,552	33,580	34,359	35,045
Other or unknown	3,567	3,620	3,202	3,183	3,436	4,805	6,647	6,490
Temporary visa holders	2,239	2,263	2,521	2,857	3,107	3,194	3,054	2,851
Social sciences	84,984	83,327	85,682	90,215	95,129	97,332	99,427	102,347
U.S. citizens and permanent residents	69,259	67,004	68,664	72,153	76,865	78,957	81,348	83,537
American Indian/Alaska Native	520	548	583	613	667	647	719	732
Asian/Pacific Islander	3,357	3,070	3,218	3,725	4,188	4,378	4,607	4,564
Black, non-Hispanic	7,836	7,888	8,118	8,570	9,238	9,190	9,383	9,722
Hispanic	4,815	4,895	5,050	5,587	5,982	6,202	6,962	7,015
White, non-Hispanic	48,638	45,700	46,386	47,754	50,301	51,181	51,364	52,523
Other or unknown	4,093	4,903	5,309	5,904	6,489	7,359	8,313	8,981
Temporary visa holders	15,725	16,323	17,018	18,062	18,264	18,375	18,079	18,810
Engineering	101,691	104,112	109,493	119,668	127,377	123,566	120,565	123,041
U.S. citizens and permanent residents	60,188	56,651	56,890	61,277	67,310	66,379	66,551	67,698
American Indian/Alaska Native	242	208	227	244	304	273	273	290
Asian/Pacific Islander	8,161	7,214	7,926	9,299	10,687	9,712	9,730	9,179
Black, non-Hispanic	2,965	2,977	2,915	3,074	3,212	3,399	3,470	3,572
Hispanic	2,924	3,018	3,183	3,461	3,979	4,164	4,090	4,381
White, non-Hispanic	42,063	39,083	38,459	40,559	43,469	43,235	42,868	43,293
Other or unknown	3,833	4,151	4,180	4,640	5,659	5,596	6,120	6,983
Temporary visa holders	41,503	47,461	52,603	58,391	60,067	57,187	54,014	55,343

TABLE 15. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Chemical engineering	6,883	7,056	6,913	7,414	7,516	7,452	7,173	7,261
U.S. citizens and permanent residents	3,869	3,711	3,398	3,686	3,736	3,753	3,675	3,685
American Indian/Alaska Native	16	20	13	21	19	27	24	20
Asian/Pacific Islander	486	486	474	551	540	453	493	496
Black, non-Hispanic	147	168	167	160	173	169	146	149
Hispanic	182	182	180	206	249	249	240	277
White, non-Hispanic	2,805	2,627	2,417	2,565	2,554	2,666	2,561	2,556
Other or unknown	233	228	147	183	201	189	211	187
Temporary visa holders	3,014	3,345	3,515	3,728	3,780	3,699	3,498	3,576
Civil engineering	16,226	16,451	16,665	17,713	18,890	18,561	18,114	17,802
U.S. citizens and permanent residents	10,801	10,306	10,072	10,553	11,458	11,436	11,415	11,421
American Indian/Alaska Native	56	39	43	58	65	51	52	62
Asian/Pacific Islander	931	744	771	855	1,024	997	1,006	957
Black, non-Hispanic	450	448	431	453	428	453	456	508
Hispanic	701	776	747	778	846	898	896	967
White, non-Hispanic	8,088	7,759	7,492	7,707	8,333	8,270	8,139	7,971
Other or unknown	575	540	588	702	762	767	866	956
Temporary visa holders	5,425	6,145	6,593	7,160	7,432	7,125	6,699	6,381
Electrical engineering	31,822	33,611	36,100	39,948	41,763	38,995	37,450	38,265
U.S. citizens and permanent residents	16,517	15,315	15,534	16,579	18,118	16,878	16,662	16,166
American Indian/Alaska Native	47	37	45	39	63	54	54	46
Asian/Pacific Islander	3,491	3,119	3,454	4,079	4,606	3,823	3,762	3,414
Black, non-Hispanic	886	830	812	846	812	850	843	828
Hispanic	769	717	825	941	1,094	1,097	1,090	1,044
White, non-Hispanic	9,897	8,982	8,876	9,121	9,709	9,444	9,150	8,875
Other or unknown	1,427	1,630	1,522	1,553	1,834	1,610	1,763	1,959
Temporary visa holders	15,305	18,296	20,566	23,369	23,645	22,117	20,788	22,099
Industrial engineering	11,803	12,119	12,940	14,033	14,313	13,852	13,650	13,829
U.S. citizens and permanent residents	8,073	7,574	7,588	8,290	8,820	8,763	9,071	9,249
American Indian/Alaska Native	39	41	43	34	52	48	51	55
Asian/Pacific Islander	784	628	667	850	998	929	1,026	1,010
Black, non-Hispanic	541	557	591	616	685	714	764	763
Hispanic	426	439	469	477	562	629	579	664
White, non-Hispanic	5,761	5,329	5,255	5,668	5,680	5,484	5,658	5,586
Other or unknown	522	580	563	645	843	959	993	1,171
Temporary visa holders	3,730	4,545	5,352	5,743	5,493	5,089	4,579	4,580
Mechanical engineering	14,956	15,235	15,852	17,139	18,393	17,852	17,373	17,919
U.S. citizens and permanent residents	8,760	8,052	8,141	8,562	9,602	9,724	9,719	10,205
American Indian/Alaska Native	33	27	32	32	42	24	28	32
Asian/Pacific Islander	1,008	759	903	870	994	973	962	940
Black, non-Hispanic	375	396	354	358	382	369	411	419
Hispanic	388	366	407	450	537	566	575	621
White, non-Hispanic	6,491	6,005	5,932	6,254	6,883	6,998	6,898	7,337
Other or unknown	465	499	513	598	764	794	845	856
Temporary visa holders	6,196	7,183	7,711	8,577	8,791	8,128	7,654	7,714
Other engineering	20,001	19,640	21,023	23,421	26,502	26,854	26,805	27,965
U.S. citizens and permanent residents	12,168	11,693	12,157	13,607	15,576	15,825	16,009	16,972
American Indian/Alaska Native	51	44	51	60	63	69	64	75
Asian/Pacific Islander	1,461	1,478	1,657	2,094	2,525	2,537	2,481	2,362
Black, non-Hispanic	566	578	560	641	732	844	850	905
Hispanic	458	538	555	609	691	725	710	808
White, non-Hispanic	9,021	8,381	8,487	9,244	10,310	10,373	10,462	10,968
Other or unknown	611	674	847	959	1,255	1,277	1,442	1,854
Temporary visa holders	7,833	7,947	8,866	9,814	10,926	11,029	10,796	10,993

TABLE 15. Graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Health fields	82,074	79,775	80,378	85,570	92,476	98,590	103,951	111,356
U.S. citizens and permanent residents	76,548	74,243	74,129	78,297	84,924	91,196	96,217	103,022
American Indian/Alaska Native	441	419	453	505	520	506	527	577
Asian/Pacific Islander	5,147	5,192	5,451	5,689	6,369	7,090	7,190	7,684
Black, non-Hispanic	4,927	5,094	5,616	6,047	7,068	7,872	8,299	9,202
Hispanic	3,802	4,124	4,355	4,648	5,443	5,819	5,922	6,370
White, non-Hispanic	58,575	55,543	54,353	56,890	60,567	63,724	66,500	71,282
Other or unknown	3,656	3,871	3,901	4,518	4,957	6,185	7,779	7,907
Temporary visa holders	5,526	5,532	6,249	7,273	7,552	7,394	7,734	8,334

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

TABLE 16. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	262,675	262,109	271,155	287,059	298,682	296,714	295,291	299,818
U.S. citizens and permanent residents	183,127	173,589	174,446	182,339	193,658	195,664	197,701	200,584
American Indian/Alaska Native	850	843	929	930	1,017	958	997	1,096
Asian/Pacific Islander	17,750	16,031	16,859	18,351	19,900	18,865	18,652	18,503
Black, non-Hispanic	9,528	9,289	9,435	10,021	10,758	11,157	11,118	11,450
Hispanic	9,178	9,352	9,648	10,324	11,457	11,964	12,274	12,681
White, non-Hispanic	134,388	125,512	124,758	128,785	135,082	135,981	136,225	137,216
Other or unknown	11,433	12,562	12,817	13,928	15,444	16,739	18,435	19,638
Temporary visa holders	79,548	88,520	96,709	104,720	105,024	101,050	97,590	99,234
Science and engineering	242,786	243,057	251,810	266,217	276,248	274,008	271,967	275,181
U.S. citizens and permanent residents	165,823	156,975	157,945	164,891	174,818	176,297	177,900	179,783
American Indian/Alaska Native	744	734	808	810	890	847	908	979
Asian/Pacific Islander	16,046	14,356	15,121	16,583	17,963	16,940	16,689	16,413
Black, non-Hispanic	8,565	8,298	8,382	8,908	9,456	9,777	9,625	9,780
Hispanic	8,196	8,268	8,514	9,188	10,182	10,591	10,919	11,301
White, non-Hispanic	121,810	113,782	113,258	116,605	122,130	122,938	123,187	123,478
Other or unknown	10,462	11,537	11,862	12,797	14,197	15,204	16,572	17,832
Temporary visa holders	76,963	86,082	93,865	101,326	101,430	97,711	94,067	95,398
Science	160,982	159,691	164,574	171,516	176,458	177,714	178,297	180,084
U.S. citizens and permanent residents	118,016	112,367	113,466	117,406	122,940	125,163	126,629	127,551
American Indian/Alaska Native	569	596	646	635	671	649	702	761
Asian/Pacific Islander	9,894	8,914	9,250	9,927	10,378	10,188	9,960	9,830
Black, non-Hispanic	6,576	6,348	6,448	6,896	7,285	7,507	7,255	7,337
Hispanic	5,974	5,988	6,173	6,688	7,260	7,526	7,926	8,115
White, non-Hispanic	87,611	82,325	82,400	84,105	87,553	88,561	89,006	89,186
Other or unknown	7,392	8,196	8,549	9,155	9,793	10,732	11,780	12,322
Temporary visa holders	42,966	47,324	51,108	54,110	53,518	52,551	51,668	52,533
Agricultural sciences	7,263	6,935	6,892	7,045	7,171	7,187	6,921	6,717
U.S. citizens and permanent residents	5,580	5,371	5,316	5,444	5,613	5,583	5,352	5,184
American Indian/Alaska Native	46	34	35	36	38	35	31	39
Asian/Pacific Islander	143	112	115	136	151	136	132	165
Black, non-Hispanic	159	139	126	162	194	153	172	152
Hispanic	209	223	210	197	251	267	243	258
White, non-Hispanic	4,856	4,626	4,547	4,670	4,738	4,745	4,516	4,314
Other or unknown	167	237	283	243	241	247	258	256
Temporary visa holders	1,683	1,564	1,576	1,601	1,558	1,604	1,569	1,533
Biological sciences	27,338	26,475	26,590	27,677	28,818	29,276	29,958	30,572
U.S. citizens and permanent residents	21,590	20,557	20,533	20,999	21,889	21,993	22,409	22,730
American Indian/Alaska Native	80	79	95	87	89	91	113	128
Asian/Pacific Islander	2,099	1,993	2,168	2,184	2,264	2,252	2,294	2,354
Black, non-Hispanic	761	760	792	812	858	869	928	948
Hispanic	968	963	1,009	1,120	1,218	1,252	1,320	1,363
White, non-Hispanic	16,511	15,578	15,347	15,600	16,060	16,031	16,212	16,391
Other or unknown	1,171	1,184	1,122	1,196	1,400	1,498	1,542	1,546
Temporary visa holders	5,748	5,918	6,057	6,678	6,929	7,283	7,549	7,842
Computer sciences	29,933	33,270	36,894	39,244	38,880	36,739	35,933	35,591
U.S. citizens and permanent residents	17,911	17,682	18,499	19,997	21,369	20,899	20,633	19,934
American Indian/Alaska Native	50	50	58	52	68	61	67	78
Asian/Pacific Islander	3,826	3,323	3,440	3,810	3,794	3,451	3,170	2,922
Black, non-Hispanic	815	844	943	1,063	1,128	1,091	1,047	1,052
Hispanic	653	617	650	733	815	859	927	936
White, non-Hispanic	10,856	10,839	11,279	12,000	13,221	13,089	12,934	12,362
Other or unknown	1,711	2,009	2,129	2,339	2,343	2,348	2,488	2,584
Temporary visa holders	12,022	15,588	18,395	19,247	17,511	15,840	15,300	15,657

TABLE 16. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Earth, atmospheric, and ocean sciences	8,358	8,188	7,949	7,993	8,082	8,199	7,941	7,916
U.S. citizens and permanent residents	6,695	6,392	6,148	6,232	6,344	6,483	6,262	6,255
American Indian/Alaska Native	32	33	37	45	30	40	30	43
Asian/Pacific Islander	208	179	171	153	158	201	187	173
Black, non-Hispanic	112	120	125	135	130	120	110	118
Hispanic	200	186	196	191	223	236	227	229
White, non-Hispanic	5,873	5,612	5,362	5,389	5,422	5,521	5,328	5,286
Other or unknown	270	262	257	319	381	365	380	406
Temporary visa holders	1,663	1,796	1,801	1,761	1,738	1,716	1,679	1,661
Mathematical sciences	10,214	9,870	10,381	11,277	12,176	12,434	12,773	13,122
U.S. citizens and permanent residents	6,348	5,932	6,240	6,760	7,524	7,732	8,028	8,362
American Indian/Alaska Native	12	15	22	18	18	26	23	37
Asian/Pacific Islander	565	531	552	653	739	714	761	784
Black, non-Hispanic	324	299	320	340	373	364	369	364
Hispanic	270	310	322	335	381	395	418	449
White, non-Hispanic	4,798	4,354	4,587	4,877	5,353	5,566	5,738	5,941
Other or unknown	379	423	437	537	660	667	719	787
Temporary visa holders	3,866	3,938	4,141	4,517	4,652	4,702	4,745	4,760
Physical sciences	21,776	21,270	21,702	22,275	23,520	24,461	24,649	24,896
U.S. citizens and permanent residents	13,697	12,898	12,976	13,073	13,666	14,391	14,577	14,774
American Indian/Alaska Native	40	54	54	55	54	50	48	69
Asian/Pacific Islander	1,046	951	916	893	946	1,019	961	1,022
Black, non-Hispanic	501	493	462	486	508	540	524	503
Hispanic	549	507	539	605	678	744	752	766
White, non-Hispanic	10,872	10,176	10,084	10,123	10,515	11,008	11,297	11,233
Other or unknown	689	717	921	911	965	1,030	995	1,181
Temporary visa holders	8,079	8,372	8,726	9,202	9,854	10,070	10,072	10,122
Psychology	14,456	13,594	13,147	13,435	13,383	13,970	13,963	13,950
U.S. citizens and permanent residents	13,666	12,842	12,370	12,343	12,229	12,722	13,056	13,154
American Indian/Alaska Native	88	103	83	83	95	88	91	83
Asian/Pacific Islander	536	532	548	553	575	563	561	575
Black, non-Hispanic	905	871	867	945	934	1,238	947	925
Hispanic	957	1,039	1,048	1,128	1,130	1,132	1,174	1,192
White, non-Hispanic	10,195	9,359	9,024	8,817	8,680	8,560	8,745	8,913
Other or unknown	985	938	800	817	815	1,141	1,538	1,466
Temporary visa holders	790	752	777	1,092	1,154	1,248	907	796
Social sciences	41,644	40,089	41,019	42,570	44,428	45,448	46,159	47,320
U.S. citizens and permanent residents	32,529	30,693	31,384	32,558	34,306	35,360	36,312	37,158
American Indian/Alaska Native	221	228	262	259	279	258	299	284
Asian/Pacific Islander	1,471	1,293	1,340	1,545	1,751	1,852	1,894	1,835
Black, non-Hispanic	2,999	2,822	2,813	2,953	3,160	3,132	3,158	3,275
Hispanic	2,168	2,143	2,199	2,379	2,564	2,641	2,865	2,922
White, non-Hispanic	23,650	21,781	22,170	22,629	23,564	24,041	24,236	24,746
Other or unknown	2,020	2,426	2,600	2,793	2,988	3,436	3,860	4,096
Temporary visa holders	9,115	9,396	9,635	10,012	10,122	10,088	9,847	10,162
Engineering	81,804	83,366	87,236	94,701	99,790	96,294	93,670	95,097
U.S. citizens and permanent residents	47,807	44,608	44,479	47,485	51,878	51,134	51,271	52,232
American Indian/Alaska Native	175	138	162	175	219	198	206	218
Asian/Pacific Islander	6,152	5,442	5,871	6,656	7,585	6,752	6,729	6,583
Black, non-Hispanic	1,989	1,950	1,934	2,012	2,171	2,270	2,370	2,443
Hispanic	2,222	2,280	2,341	2,500	2,922	3,065	2,993	3,186
White, non-Hispanic	34,199	31,457	30,858	32,500	34,577	34,377	34,181	34,292
Other or unknown	3,070	3,341	3,313	3,642	4,404	4,472	4,792	5,510
Temporary visa holders	33,997	38,758	42,757	47,216	47,912	45,160	42,399	42,865

TABLE 16. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Chemical engineering	5,150	5,181	5,084	5,419	5,416	5,346	5,094	5,102
U.S. citizens and permanent residents	2,849	2,664	2,424	2,606	2,649	2,631	2,566	2,568
American Indian/Alaska Native	11	9	5	13	13	14	17	15
Asian/Pacific Islander	310	328	325	353	342	276	287	290
Black, non-Hispanic	68	89	78	79	95	95	86	93
Hispanic	128	113	108	122	143	132	130	154
White, non-Hispanic	2,162	1,964	1,807	1,912	1,919	1,990	1,897	1,885
Other or unknown	170	161	101	127	137	124	149	131
Temporary visa holders	2,301	2,517	2,660	2,813	2,767	2,715	2,528	2,534
Civil engineering	12,069	12,174	12,162	12,808	13,492	13,120	12,709	12,379
U.S. citizens and permanent residents	7,846	7,397	7,115	7,344	7,906	7,874	7,817	7,762
American Indian/Alaska Native	43	29	29	40	42	35	38	43
Asian/Pacific Islander	615	506	492	557	658	622	606	588
Black, non-Hispanic	277	270	273	271	273	291	295	327
Hispanic	498	540	508	504	564	616	603	636
White, non-Hispanic	5,990	5,641	5,381	5,479	5,834	5,772	5,672	5,511
Other or unknown	423	411	432	493	535	538	603	657
Temporary visa holders	4,223	4,777	5,047	5,464	5,586	5,246	4,892	4,617
Electrical engineering	26,689	28,075	29,888	32,678	33,969	31,794	30,662	31,239
U.S. citizens and permanent residents	14,128	13,069	13,154	13,911	15,156	14,290	14,116	13,851
American Indian/Alaska Native	36	26	39	27	49	43	47	42
Asian/Pacific Islander	2,787	2,457	2,726	3,107	3,442	2,843	2,832	2,700
Black, non-Hispanic	686	629	620	645	629	656	654	648
Hispanic	631	618	683	766	890	913	882	865
White, non-Hispanic	8,798	8,001	7,865	8,093	8,673	8,476	8,243	7,969
Other or unknown	1,190	1,338	1,221	1,273	1,473	1,359	1,458	1,627
Temporary visa holders	12,561	15,006	16,734	18,767	18,813	17,504	16,546	17,388
Industrial engineering	9,144	9,406	10,132	10,957	11,047	10,622	10,354	10,363
U.S. citizens and permanent residents	6,070	5,678	5,699	6,179	6,563	6,530	6,843	6,923
American Indian/Alaska Native	23	27	30	27	37	37	35	38
Asian/Pacific Islander	586	464	474	586	717	656	735	715
Black, non-Hispanic	309	310	349	352	419	441	482	467
Hispanic	291	298	302	302	383	418	392	450
White, non-Hispanic	4,446	4,118	4,093	4,419	4,357	4,223	4,440	4,338
Other or unknown	415	461	451	493	650	755	759	915
Temporary visa holders	3,074	3,728	4,433	4,778	4,484	4,092	3,511	3,440
Mechanical engineering	13,168	13,403	13,908	15,056	16,039	15,396	14,965	15,434
U.S. citizens and permanent residents	7,619	7,006	7,028	7,402	8,239	8,289	8,313	8,707
American Indian/Alaska Native	25	18	23	23	35	18	21	28
Asian/Pacific Islander	829	634	739	705	823	778	752	744
Black, non-Hispanic	287	292	273	279	296	278	321	344
Hispanic	336	317	342	367	441	452	467	504
White, non-Hispanic	5,742	5,318	5,204	5,511	5,979	6,074	6,036	6,367
Other or unknown	400	427	447	517	665	689	716	720
Temporary visa holders	5,549	6,397	6,880	7,654	7,800	7,107	6,652	6,727
Other engineering	15,584	15,127	16,062	17,783	19,827	20,016	19,886	20,580
U.S. citizens and permanent residents	9,295	8,794	9,059	10,043	11,365	11,520	11,616	12,421
American Indian/Alaska Native	37	29	36	45	43	51	48	52
Asian/Pacific Islander	1,025	1,053	1,115	1,348	1,603	1,577	1,517	1,546
Black, non-Hispanic	362	360	341	386	459	509	532	564
Hispanic	338	394	398	439	501	534	519	577
White, non-Hispanic	7,061	6,415	6,508	7,086	7,815	7,842	7,893	8,222
Other or unknown	472	543	661	739	944	1,007	1,107	1,460
Temporary visa holders	6,289	6,333	7,003	7,740	8,462	8,496	8,270	8,159

TABLE 16. Male graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Health fields	19,889	19,052	19,345	20,842	22,434	22,706	23,324	24,637
U.S. citizens and permanent residents	17,304	16,614	16,501	17,448	18,840	19,367	19,801	20,801
American Indian/Alaska Native	106	109	121	120	127	111	89	117
Asian/Pacific Islander	1,704	1,675	1,738	1,768	1,937	1,925	1,963	2,090
Black, non-Hispanic	963	991	1,053	1,113	1,302	1,380	1,493	1,670
Hispanic	982	1,084	1,134	1,136	1,275	1,373	1,355	1,380
White, non-Hispanic	12,578	11,730	11,500	12,180	12,952	13,043	13,038	13,738
Other or unknown	971	1,025	955	1,131	1,247	1,535	1,863	1,806
Temporary visa holders	2,585	2,438	2,844	3,394	3,594	3,339	3,523	3,836

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

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	230,581	231,202	238,452	253,345	268,439	277,749	286,935	297,825
U.S. citizens and permanent residents	194,675	191,305	194,291	205,077	218,447	227,554	237,029	246,041
American Indian/Alaska Native	1,144	1,178	1,207	1,309	1,382	1,396	1,488	1,593
Asian/Pacific Islander	14,967	14,159	15,086	16,567	18,255	18,870	19,112	19,360
Black, non-Hispanic	15,672	16,639	17,636	18,694	20,484	21,339	22,429	23,416
Hispanic	11,144	11,975	12,681	13,958	15,227	16,067	17,035	17,829
White, non-Hispanic	140,937	135,600	135,613	141,240	148,159	152,593	156,051	162,059
Other or unknown	10,811	11,754	12,068	13,309	14,940	17,289	20,914	21,784
Temporary visa holders	35,906	39,897	44,161	48,268	49,992	50,195	49,906	51,784
Science and engineering	168,396	170,479	177,419	188,617	198,397	201,865	206,308	211,106
U.S. citizens and permanent residents	135,431	133,676	136,663	144,228	152,363	155,725	160,613	163,820
American Indian/Alaska Native	809	868	875	924	989	1,001	1,050	1,133
Asian/Pacific Islander	11,524	10,642	11,373	12,646	13,823	13,705	13,885	13,766
Black, non-Hispanic	11,708	12,536	13,073	13,760	14,718	14,847	15,623	15,884
Hispanic	8,324	8,935	9,460	10,446	11,059	11,621	12,468	12,839
White, non-Hispanic	94,940	91,787	92,760	96,530	100,544	101,912	102,589	104,515
Other or unknown	8,126	8,908	9,122	9,922	11,230	12,639	14,998	15,683
Temporary visa holders	32,965	36,803	40,756	44,389	46,034	46,140	45,695	47,286
Science	148,509	149,733	155,162	163,650	170,810	174,593	179,413	183,162
U.S. citizens and permanent residents	123,050	121,633	124,252	130,436	136,931	140,480	145,333	148,354
American Indian/Alaska Native	742	798	810	855	904	926	983	1,061
Asian/Pacific Islander	9,515	8,870	9,318	10,003	10,721	10,745	10,884	11,170
Black, non-Hispanic	10,732	11,509	12,092	12,698	13,677	13,718	14,523	14,755
Hispanic	7,622	8,197	8,618	9,485	10,002	10,522	11,371	11,644
White, non-Hispanic	87,076	84,161	85,159	88,471	91,652	93,054	93,902	95,514
Other or unknown	7,363	8,098	8,255	8,924	9,975	11,515	13,670	14,210
Temporary visa holders	25,459	28,100	30,910	33,214	33,879	34,113	34,080	34,808
Agricultural sciences	5,049	5,088	5,343	5,653	6,026	6,258	6,202	6,299
U.S. citizens and permanent residents	4,194	4,241	4,406	4,641	4,988	5,167	5,112	5,157
American Indian/Alaska Native	23	22	23	40	39	47	45	46
Asian/Pacific Islander	167	138	147	150	165	193	158	173
Black, non-Hispanic	151	153	201	213	266	241	245	301
Hispanic	213	217	215	209	239	257	263	277
White, non-Hispanic	3,527	3,526	3,600	3,816	4,061	4,191	4,146	4,070
Other or unknown	113	185	220	213	218	238	255	290
Temporary visa holders	855	847	937	1,012	1,038	1,091	1,090	1,142
Biological sciences	29,621	29,807	31,049	33,411	35,883	37,289	38,521	39,369
U.S. citizens and permanent residents	24,180	23,964	24,663	26,254	27,976	28,741	29,603	30,304
American Indian/Alaska Native	106	110	110	123	147	157	164	182
Asian/Pacific Islander	2,377	2,253	2,533	2,642	2,894	3,025	3,126	3,355
Black, non-Hispanic	1,457	1,481	1,559	1,667	1,899	2,033	2,063	2,123
Hispanic	1,217	1,220	1,329	1,465	1,612	1,741	1,826	1,926
White, non-Hispanic	17,808	17,677	17,846	18,968	19,749	20,022	20,415	20,772
Other or unknown	1,215	1,223	1,286	1,389	1,675	1,763	2,009	1,946
Temporary visa holders	5,441	5,843	6,386	7,157	7,907	8,548	8,918	9,065
Computer sciences	12,545	14,080	15,302	16,025	14,816	13,277	12,045	12,062
U.S. citizens and permanent residents	7,412	7,406	7,643	8,206	8,051	7,362	6,776	6,741
American Indian/Alaska Native	24	30	29	31	36	30	33	27
Asian/Pacific Islander	2,318	2,009	1,987	2,143	1,973	1,651	1,403	1,300
Black, non-Hispanic	670	668	766	835	823	708	714	722
Hispanic	212	246	244	271	286	283	272	271
White, non-Hispanic	3,521	3,629	3,778	3,962	4,039	3,849	3,621	3,581
Other or unknown	667	824	839	964	894	841	733	840
Temporary visa holders	5,133	6,674	7,659	7,819	6,765	5,915	5,269	5,321

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Earth, atmospheric, and ocean sciences	5,725	5,753	5,892	6,247	6,538	6,932	6,895	7,004
U.S. citizens and permanent residents	4,868	4,857	4,911	5,231	5,493	5,854	5,796	5,898
American Indian/Alaska Native	31	28	33	36	33	27	31	26
Asian/Pacific Islander	192	172	170	193	197	227	213	216
Black, non-Hispanic	101	100	102	131	140	141	152	145
Hispanic	200	169	201	222	261	302	281	311
White, non-Hispanic	4,134	4,200	4,211	4,410	4,541	4,821	4,798	4,830
Other or unknown	210	188	194	239	321	336	321	370
Temporary visa holders	857	896	981	1,016	1,045	1,078	1,099	1,106
Mathematical sciences	6,043	5,780	6,270	6,886	7,289	7,497	7,437	7,693
U.S. citizens and permanent residents	3,982	3,661	3,927	4,379	4,533	4,792	4,740	4,857
American Indian/Alaska Native	18	10	16	6	7	13	15	22
Asian/Pacific Islander	437	417	433	531	625	584	611	629
Black, non-Hispanic	270	273	270	286	282	332	351	347
Hispanic	177	150	160	207	223	230	215	246
White, non-Hispanic	2,861	2,601	2,799	3,046	3,061	3,293	3,178	3,260
Other or unknown	219	210	249	303	335	340	370	353
Temporary visa holders	2,061	2,119	2,343	2,507	2,756	2,705	2,697	2,836
Physical sciences	8,915	9,115	9,336	10,066	10,778	11,300	11,726	12,005
U.S. citizens and permanent residents	5,862	5,832	5,859	6,178	6,505	6,757	7,098	7,370
American Indian/Alaska Native	29	21	27	28	25	28	34	49
Asian/Pacific Islander	636	573	542	531	631	659	670	731
Black, non-Hispanic	402	425	413	407	431	453	482	506
Hispanic	346	337	357	376	416	489	490	490
White, non-Hispanic	4,165	4,167	4,164	4,497	4,592	4,718	5,002	5,092
Other or unknown	284	309	356	339	410	410	420	502
Temporary visa holders	3,053	3,283	3,477	3,888	4,273	4,543	4,628	4,635
Psychology	37,271	36,872	37,307	37,717	38,779	40,156	43,319	43,703
U.S. citizens and permanent residents	35,822	35,361	35,563	35,952	36,826	38,210	41,172	41,648
American Indian/Alaska Native	212	257	251	237	229	235	241	261
Asian/Pacific Islander	1,502	1,531	1,628	1,633	1,799	1,880	1,990	2,037
Black, non-Hispanic	2,844	3,343	3,476	3,542	3,758	3,752	4,291	4,164
Hispanic	2,610	3,106	3,261	3,527	3,547	3,659	3,927	4,030
White, non-Hispanic	26,072	24,442	24,545	24,647	24,872	25,020	25,614	26,132
Other or unknown	2,582	2,682	2,402	2,366	2,621	3,664	5,109	5,024
Temporary visa holders	1,449	1,511	1,744	1,765	1,953	1,946	2,147	2,055
Social sciences	43,340	43,238	44,663	47,645	50,701	51,884	53,268	55,027
U.S. citizens and permanent residents	36,730	36,311	37,280	39,595	42,559	43,597	45,036	46,379
American Indian/Alaska Native	299	320	321	354	388	389	420	448
Asian/Pacific Islander	1,886	1,777	1,878	2,180	2,437	2,526	2,713	2,729
Black, non-Hispanic	4,837	5,066	5,305	5,617	6,078	6,058	6,225	6,447
Hispanic	2,647	2,752	2,851	3,208	3,418	3,561	4,097	4,093
White, non-Hispanic	24,988	23,919	24,216	25,125	26,737	27,140	27,128	27,777
Other or unknown	2,073	2,477	2,709	3,111	3,501	3,923	4,453	4,885
Temporary visa holders	6,610	6,927	7,383	8,050	8,142	8,287	8,232	8,648
Engineering	19,887	20,746	22,257	24,967	27,587	27,272	26,895	27,944
U.S. citizens and permanent residents	12,381	12,043	12,411	13,792	15,432	15,245	15,280	15,466
American Indian/Alaska Native	67	70	65	69	85	75	67	72
Asian/Pacific Islander	2,009	1,772	2,055	2,643	3,102	2,960	3,001	2,596
Black, non-Hispanic	976	1,027	981	1,062	1,041	1,129	1,100	1,129
Hispanic	702	738	842	961	1,057	1,099	1,097	1,195
White, non-Hispanic	7,864	7,626	7,601	8,059	8,892	8,858	8,687	9,001
Other or unknown	763	810	867	998	1,255	1,124	1,328	1,473
Temporary visa holders	7,506	8,703	9,846	11,175	12,155	12,027	11,615	12,478

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Chemical engineering	1,733	1,875	1,829	1,995	2,100	2,106	2,079	2,159
U.S. citizens and permanent residents	1,020	1,047	974	1,080	1,087	1,122	1,109	1,117
American Indian/Alaska Native	5	11	8	8	6	13	7	5
Asian/Pacific Islander	176	158	149	198	198	177	206	206
Black, non-Hispanic	79	79	89	81	78	74	60	56
Hispanic	54	69	72	84	106	117	110	123
White, non-Hispanic	643	663	610	653	635	676	664	671
Other or unknown	63	67	46	56	64	65	62	56
Temporary visa holders	713	828	855	915	1,013	984	970	1,042
Civil engineering	4,157	4,277	4,503	4,905	5,398	5,441	5,405	5,423
U.S. citizens and permanent residents	2,955	2,909	2,957	3,209	3,552	3,562	3,598	3,659
American Indian/Alaska Native	13	10	14	18	23	16	14	19
Asian/Pacific Islander	316	238	279	298	366	375	400	369
Black, non-Hispanic	173	178	158	182	155	162	161	181
Hispanic	203	236	239	274	282	282	293	331
White, non-Hispanic	2,098	2,118	2,111	2,228	2,499	2,498	2,467	2,460
Other or unknown	152	129	156	209	227	229	263	299
Temporary visa holders	1,202	1,368	1,546	1,696	1,846	1,879	1,807	1,764
Electrical engineering	5,133	5,536	6,212	7,270	7,794	7,201	6,788	7,026
U.S. citizens and permanent residents	2,389	2,246	2,380	2,668	2,962	2,588	2,546	2,315
American Indian/Alaska Native	11	11	6	12	14	11	7	4
Asian/Pacific Islander	704	662	728	972	1,164	980	930	714
Black, non-Hispanic	200	201	192	201	183	194	189	180
Hispanic	138	99	142	175	204	184	208	179
White, non-Hispanic	1,099	981	1,011	1,028	1,036	968	907	906
Other or unknown	237	292	301	280	361	251	305	332
Temporary visa holders	2,744	3,290	3,832	4,602	4,832	4,613	4,242	4,711
Industrial engineering	2,659	2,713	2,808	3,076	3,266	3,230	3,296	3,466
U.S. citizens and permanent residents	2,003	1,896	1,889	2,111	2,257	2,233	2,228	2,326
American Indian/Alaska Native	16	14	13	7	15	11	16	17
Asian/Pacific Islander	198	164	193	264	281	273	291	295
Black, non-Hispanic	232	247	242	264	266	273	282	296
Hispanic	135	141	167	175	179	211	187	214
White, non-Hispanic	1,315	1,211	1,162	1,249	1,323	1,261	1,218	1,248
Other or unknown	107	119	112	152	193	204	234	256
Temporary visa holders	656	817	919	965	1,009	997	1,068	1,140
Mechanical engineering	1,788	1,832	1,944	2,083	2,354	2,456	2,408	2,485
U.S. citizens and permanent residents	1,141	1,046	1,113	1,160	1,363	1,435	1,406	1,498
American Indian/Alaska Native	8	9	9	9	7	6	7	4
Asian/Pacific Islander	179	125	164	165	171	195	210	196
Black, non-Hispanic	88	104	81	79	86	91	90	75
Hispanic	52	49	65	83	96	114	108	117
White, non-Hispanic	749	687	728	743	904	924	862	970
Other or unknown	65	72	66	81	99	105	129	136
Temporary visa holders	647	786	831	923	991	1,021	1,002	987
Other engineering	4,417	4,513	4,961	5,638	6,675	6,838	6,919	7,385
U.S. citizens and permanent residents	2,873	2,899	3,098	3,564	4,211	4,305	4,393	4,551
American Indian/Alaska Native	14	15	15	15	20	18	16	23
Asian/Pacific Islander	436	425	542	746	922	960	964	816
Black, non-Hispanic	204	218	219	255	273	335	318	341
Hispanic	120	144	157	170	190	191	191	231
White, non-Hispanic	1,960	1,966	1,979	2,158	2,495	2,531	2,569	2,746
Other or unknown	139	131	186	220	311	270	335	394
Temporary visa holders	1,544	1,614	1,863	2,074	2,464	2,533	2,526	2,834

TABLE 17. Female graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Health fields	62,185	60,723	61,033	64,728	70,042	75,884	80,627	86,719
U.S. citizens and permanent residents	59,244	57,629	57,628	60,849	66,084	71,829	76,416	82,221
American Indian/Alaska Native	335	310	332	385	393	395	438	460
Asian/Pacific Islander	3,443	3,517	3,713	3,921	4,432	5,165	5,227	5,594
Black, non-Hispanic	3,964	4,103	4,563	4,934	5,766	6,492	6,806	7,532
Hispanic	2,820	3,040	3,221	3,512	4,168	4,446	4,567	4,990
White, non-Hispanic	45,997	43,813	42,853	44,710	47,615	50,681	53,462	57,544
Other or unknown	2,685	2,846	2,946	3,387	3,710	4,650	5,916	6,101
Temporary visa holders	2,941	3,094	3,405	3,879	3,958	4,055	4,211	4,498

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

TABLE 18. Full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	334,423	341,283	354,522	378,991	397,420	402,573	406,620	419,015
Science and engineering	283,893	291,355	304,021	325,472	339,028	340,529	341,742	349,802
Science	215,870	219,079	226,573	240,020	248,812	253,574	257,283	261,984
Agricultural sciences	9,371	9,357	9,405	9,685	10,003	10,040	9,710	9,478
Biological sciences	46,946	46,787	48,138	51,551	54,350	55,848	57,697	58,918
Anatomy	708	752	675	820	829	802	844	899
Biochemistry	4,800	4,715	4,642	4,941	5,326	5,333	5,486	5,433
Biology	9,904	9,674	9,788	10,401	11,176	11,554	11,926	12,413
Biometry/epidemiology	2,642	2,562	2,736	3,012	3,208	3,218	3,417	3,495
Biophysics	681	719	837	896	968	1,115	1,120	1,145
Botany	1,758	1,705	1,720	1,791	1,730	1,653	1,667	1,655
Cell biology	4,273	4,422	4,540	4,974	5,220	5,395	5,770	6,188
Ecology	1,250	1,252	1,385	1,427	1,484	1,531	1,600	1,602
Entomology/parasitology	971	979	989	1,001	1,024	1,046	943	947
Genetics	1,680	1,649	1,743	1,828	1,983	2,047	2,063	2,060
Microbiology/immunology/virology	4,483	4,501	4,500	4,902	4,980	5,083	5,074	5,015
Nutrition	3,187	3,136	3,269	3,361	3,414	3,385	3,424	3,441
Pathology	1,364	1,293	1,350	1,340	1,319	1,367	1,375	1,400
Pharmacology	2,579	2,627	2,746	2,823	2,926	2,974	2,905	2,818
Physiology	1,890	1,873	1,827	1,933	2,165	2,219	2,187	2,195
Zoology	1,291	1,236	1,231	1,175	1,094	1,072	1,094	994
Biological sciences, nec	3,485	3,692	4,160	4,926	5,504	6,054	6,802	7,218
Computer sciences	22,687	26,558	30,087	32,579	30,708	29,162	28,317	28,760
Earth, atmospheric, and ocean sciences	10,484	10,558	10,504	11,116	11,497	11,685	11,370	11,431
Atmospheric sciences	793	844	812	920	1,019	963	1,002	930
Geosciences	5,238	5,258	5,222	5,437	5,574	5,712	5,537	5,497
Oceanography	2,123	2,164	2,058	2,134	2,259	2,284	2,198	2,231
Earth/atmospheric/ocean sciences, nec	2,330	2,292	2,412	2,625	2,645	2,726	2,633	2,773
Mathematical sciences	11,796	11,740	12,467	13,709	14,627	14,916	15,261	15,571
Mathematics/applied mathematics	9,675	9,510	10,024	11,001	11,622	11,915	12,051	12,348
Statistics	2,121	2,230	2,443	2,708	3,005	3,001	3,210	3,223
Physical sciences	26,635	26,492	27,179	28,619	30,441	31,675	32,400	32,841
Astronomy	808	823	860	946	1,023	1,078	1,129	1,158
Chemistry	15,959	15,649	16,078	16,830	17,694	18,311	18,760	18,942
Physics	9,660	9,809	10,007	10,559	11,430	12,017	12,224	12,439
Physical sciences, nec	208	211	234	284	294	269	287	302
Psychology	34,658	34,919	34,487	34,707	35,774	37,872	38,919	38,994
Clinical psychology	9,941	9,725	9,697	9,476	9,676	10,238	10,531	10,168
Psychology, general	11,455	11,514	11,177	10,675	11,416	11,689	12,016	12,148
Psychology, nec	13,262	13,680	13,613	14,556	14,682	15,945	16,372	16,678
Social sciences	53,293	52,668	54,306	58,054	61,412	62,376	63,609	65,991
Agricultural economics	1,685	1,780	1,869	1,974	2,043	1,888	1,831	1,836
Anthropology (cultural/social)	5,814	5,621	5,577	5,753	5,945	5,832	5,877	6,219
Economics (except agricultural)	8,390	8,630	9,200	9,713	10,018	10,037	9,715	10,018
Geography	2,786	2,662	2,913	2,913	3,145	3,172	3,196	3,158
History and philosophy of science	429	412	400	420	457	533	582	602
Linguistics	2,182	2,104	2,177	2,261	2,389	2,364	2,519	2,488
Political science	16,171	16,089	16,455	18,632	19,963	21,101	22,222	23,109
Sociology	6,278	6,111	6,147	6,435	6,683	6,428	6,614	6,682
Sociology/anthropology	518	524	578	557	559	598	601	579
Social sciences, nec	9,040	8,735	8,990	9,396	10,210	10,423	10,452	11,300
Engineering	68,023	72,276	77,448	85,452	90,216	86,955	84,459	87,818
Aerospace engineering	2,645	2,759	2,821	3,003	3,243	3,243	3,241	3,374

TABLE 18. Full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	797	741	790	796	900	842	855	893
Biomedical engineering	2,712	2,839	3,157	3,855	4,717	5,047	5,254	5,666
Chemical engineering	5,593	5,861	5,829	6,279	6,414	6,379	6,139	6,218
Civil engineering	11,237	11,754	12,102	12,981	13,710	13,588	13,196	13,074
Electrical engineering	20,521	22,962	25,240	28,240	28,929	26,732	25,849	27,379
Engineering science	1,035	1,098	1,218	1,441	1,770	1,741	1,613	1,656
Industrial engineering	5,500	6,049	6,534	7,200	7,098	6,591	6,113	6,421
Mechanical engineering	10,331	10,795	11,436	12,512	13,356	12,718	12,178	12,666
Metallurgical/materials engineering	3,563	3,601	3,977	4,242	4,386	4,359	4,507	4,627
Mining engineering	258	191	194	207	219	238	212	181
Nuclear engineering	641	660	651	655	752	809	840	910
Petroleum engineering	535	519	538	649	684	660	631	647
Engineering, nec	2,655	2,447	2,961	3,392	4,038	4,008	3,831	4,106
Health fields	50,530	49,928	50,501	53,519	58,392	62,044	64,878	69,213
Clinical medicine	11,554	11,029	11,822	13,334	14,742	14,999	15,102	16,567
Anesthesiology	674	661	786	830	1,001	1,098	1,120	1,189
Cardiology	62	53	50	42	30	39	33	32
Endocrinology	66	55	51	59	56	57	52	42
Gastroenterology	7	14	7	7	11	13	3	17
Hematology	3	6	6	8	25	24	9	14
Neurology	1,853	1,922	2,072	2,456	2,573	2,561	2,684	2,885
Obstetrics/gynecology	9	13	18	18	20	13	16	47
Oncology/cancer research	245	225	246	229	232	270	329	340
Ophthalmology	31	41	33	166	393	406	380	389
Otorhinolaryngology	3	8	4	8	9	6	6	8
Pediatrics	276	351	316	363	349	327	225	245
Preventive medicine/community health	6,968	6,271	6,535	7,154	7,721	7,764	7,552	8,590
Psychiatry	55	89	124	138	77	200	117	126
Pulmonary disease	6	7	8	4	10	7	27	10
Radiology	170	155	171	179	208	171	189	184
Surgery	113	128	97	65	67	59	70	85
Clinical medicine, nec	1,013	1,030	1,298	1,608	1,960	1,984	2,290	2,364
Other health	38,976	38,899	38,679	40,185	43,650	47,045	49,776	52,646
Dental sciences	1,226	1,301	1,322	1,317	1,514	1,763	1,494	1,340
Nursing	9,469	8,957	9,120	10,001	10,832	11,598	12,571	13,979
Pharmaceutical sciences	2,609	2,776	2,763	2,546	3,515	3,633	4,255	4,480
Speech pathology/audiology	10,432	10,421	10,096	10,193	10,541	10,866	11,259	11,506
Veterinary sciences	1,052	1,154	1,244	1,418	1,391	1,364	1,532	1,663
Other health, nec	14,188	14,290	14,134	14,710	15,857	17,821	18,665	19,678

nec = not elsewhere classified.

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

TABLE 19. Male full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	182,940	186,261	193,465	206,152	214,041	212,830	211,845	216,816
Science and engineering	169,055	172,783	179,863	191,809	198,485	196,821	195,664	199,651
Science	114,555	115,359	118,608	124,774	128,345	129,685	130,677	132,515
Agricultural sciences	5,486	5,298	5,201	5,253	5,360	5,304	5,011	4,828
Biological sciences	23,097	22,604	22,707	23,819	24,684	24,950	25,598	26,203
Anatomy	385	398	358	411	408	394	433	449
Biochemistry	2,692	2,613	2,546	2,644	2,847	2,830	2,824	2,820
Biology	4,961	4,791	4,647	4,892	5,103	5,195	5,411	5,671
Biometry/epidemiology	986	934	982	1,074	1,164	1,190	1,229	1,292
Biophysics	479	500	586	599	647	706	732	758
Botany	883	826	853	856	817	766	783	785
Cell biology	2,153	2,200	2,264	2,429	2,509	2,568	2,734	2,865
Ecology	599	592	653	649	666	682	711	701
Entomology/parasitology	619	583	571	575	560	564	499	498
Genetics	736	714	751	773	826	814	804	802
Microbiology/immunology/virology	2,221	2,240	2,154	2,287	2,212	2,197	2,193	2,142
Nutrition	802	787	779	786	787	752	752	783
Pathology	669	590	611	597	544	563	546	549
Pharmacology	1,316	1,310	1,308	1,291	1,353	1,362	1,311	1,264
Physiology	1,087	1,055	986	1,000	1,104	1,084	1,028	1,031
Zoology	720	673	647	613	549	518	537	479
Biological sciences, nec	1,789	1,798	2,011	2,343	2,588	2,765	3,071	3,314
Computer sciences	16,313	19,098	21,776	23,743	22,858	21,962	21,689	21,953
Earth, atmospheric, and ocean sciences	6,171	6,119	5,936	6,194	6,314	6,329	6,106	6,037
Atmospheric sciences	567	599	539	618	682	642	657	606
Geosciences	3,312	3,266	3,183	3,268	3,283	3,313	3,174	3,093
Oceanography	1,122	1,109	1,042	1,074	1,096	1,069	1,054	1,044
Earth/atmospheric/ocean sciences, nec	1,170	1,145	1,172	1,234	1,253	1,305	1,221	1,294
Mathematical sciences	7,662	7,669	8,085	8,807	9,488	9,728	10,081	10,244
Mathematics/applied mathematics	6,474	6,454	6,811	7,414	7,957	8,156	8,339	8,499
Statistics	1,188	1,215	1,274	1,393	1,531	1,572	1,742	1,745
Physical sciences	19,065	18,750	19,093	19,816	21,014	21,790	22,060	22,328
Astronomy	590	573	607	654	692	733	756	765
Chemistry	10,315	9,921	10,155	10,420	10,852	11,128	11,336	11,389
Physics	8,024	8,114	8,184	8,577	9,286	9,775	9,816	10,017
Physical sciences, nec	136	142	147	165	184	154	152	157
Psychology	10,073	9,841	9,303	9,303	9,414	9,989	9,866	9,823
Clinical psychology	2,795	2,557	2,452	2,344	2,313	2,357	2,449	2,294
Psychology, general	3,518	3,517	3,265	3,230	3,442	3,675	3,556	3,538
Psychology, nec	3,760	3,767	3,586	3,729	3,659	3,957	3,861	3,991
Social sciences	26,688	25,980	26,507	27,839	29,213	29,633	30,266	31,099
Agricultural economics	1,091	1,100	1,143	1,212	1,231	1,150	1,068	1,054
Anthropology (cultural/social)	2,295	2,184	2,209	2,189	2,234	2,115	2,134	2,219
Economics (except agricultural)	5,655	5,692	5,991	6,246	6,395	6,397	6,250	6,488
Geography	1,636	1,581	1,684	1,684	1,774	1,850	1,822	1,791
History and philosophy of science	267	239	226	232	267	309	315	335
Linguistics	782	754	769	797	830	840	920	913
Political science	8,512	8,290	8,176	8,921	9,532	10,073	10,692	11,140
Sociology	2,312	2,229	2,196	2,323	2,391	2,270	2,430	2,456
Sociology/anthropology	180	200	223	202	199	195	199	202
Social sciences, nec	3,958	3,711	3,890	4,033	4,360	4,434	4,436	4,501
Engineering	54,500	57,424	61,255	67,035	70,140	67,136	64,987	67,136
Aerospace engineering	2,320	2,385	2,435	2,591	2,790	2,789	2,779	2,849

TABLE 19. Male full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	564	500	530	551	621	577	583	591
Biomedical engineering	1,822	1,897	2,070	2,477	2,959	3,135	3,229	3,456
Chemical engineering	4,197	4,315	4,289	4,613	4,604	4,562	4,363	4,366
Civil engineering	8,192	8,454	8,677	9,201	9,592	9,427	9,074	8,905
Electrical engineering	17,147	19,073	20,767	22,884	23,361	21,645	21,090	22,156
Engineering science	838	879	961	1,137	1,406	1,363	1,261	1,273
Industrial engineering	4,364	4,710	5,105	5,628	5,467	4,996	4,508	4,679
Mechanical engineering	9,069	9,451	9,998	10,932	11,608	10,947	10,446	10,876
Metallurgical/materials engineering	2,715	2,751	2,988	3,180	3,258	3,218	3,319	3,415
Mining engineering	215	156	163	177	187	208	183	148
Nuclear engineering	530	535	523	527	598	641	670	733
Petroleum engineering	462	447	460	554	568	540	527	541
Engineering, nec	2,065	1,871	2,289	2,583	3,121	3,088	2,955	3,148
Health fields	13,885	13,478	13,602	14,343	15,556	16,009	16,181	17,165
Clinical medicine	4,835	4,520	4,784	5,329	5,722	5,556	5,378	5,807
Anesthesiology	311	329	359	341	416	387	378	395
Cardiology	37	38	31	23	22	28	20	21
Endocrinology	35	27	24	27	29	20	24	21
Gastroenterology	2	8	1	1	1	6	1	8
Hematology	0	4	4	1	10	12	7	10
Neurology	1,060	1,063	1,097	1,308	1,310	1,276	1,314	1,368
Obstetrics/gynecology	1	7	9	6	10	4	7	17
Oncology/cancer research	111	103	112	85	90	116	141	146
Ophthalmology	9	18	19	98	135	142	126	120
Otorhinolaryngology	3	3	2	7	7	5	4	3
Pediatrics	52	85	50	55	60	57	45	46
Preventive medicine/community health	2,432	2,089	2,157	2,437	2,513	2,397	2,144	2,515
Psychiatry	16	25	43	34	24	48	33	31
Pulmonary disease	4	5	3	3	5	1	14	6
Radiology	126	105	113	112	130	105	106	104
Surgery	61	65	69	47	50	41	49	54
Clinical medicine, nec	575	546	691	744	910	911	965	942
Other health	9,050	8,958	8,818	9,014	9,834	10,453	10,803	11,358
Dental sciences	768	799	822	811	918	1,010	833	782
Nursing	1,103	1,095	1,125	1,315	1,445	1,398	1,422	1,617
Pharmaceutical sciences	1,305	1,371	1,388	1,299	1,667	1,690	1,945	2,029
Speech pathology/audiology	835	717	725	649	663	675	655	710
Veterinary sciences	442	508	508	542	539	540	566	609
Other health, nec	4,597	4,468	4,250	4,398	4,602	5,140	5,382	5,611

nec = not elsewhere classified.

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

TABLE 20. Female full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	151,483	155,022	161,057	172,839	183,379	189,743	194,775	202,199
Science and engineering	114,838	118,572	124,158	133,663	140,543	143,708	146,078	150,151
Science	101,315	103,720	107,965	115,246	120,467	123,889	126,606	129,469
Agricultural sciences	3,885	4,059	4,204	4,432	4,643	4,736	4,699	4,650
Biological sciences	23,849	24,183	25,431	27,732	29,666	30,898	32,099	32,715
Anatomy	323	354	317	409	421	408	411	450
Biochemistry	2,108	2,102	2,096	2,297	2,479	2,503	2,662	2,613
Biology	4,943	4,883	5,141	5,509	6,073	6,359	6,515	6,742
Biometry/epidemiology	1,656	1,628	1,754	1,938	2,044	2,028	2,188	2,203
Biophysics	202	219	251	297	321	409	388	387
Botany	875	879	867	935	913	887	884	870
Cell biology	2,120	2,222	2,276	2,545	2,711	2,827	3,036	3,323
Ecology	651	660	732	778	818	849	889	901
Entomology/parasitology	352	396	418	426	464	482	444	449
Genetics	944	935	992	1,055	1,157	1,233	1,259	1,258
Microbiology/immunology/virology	2,262	2,261	2,346	2,615	2,768	2,886	2,881	2,873
Nutrition	2,385	2,349	2,490	2,575	2,627	2,633	2,672	2,658
Pathology	695	703	739	743	775	804	829	851
Pharmacology	1,263	1,317	1,438	1,532	1,573	1,612	1,594	1,554
Physiology	803	818	841	933	1,061	1,135	1,159	1,164
Zoology	571	563	584	562	545	554	557	515
Biological sciences, nec	1,696	1,894	2,149	2,583	2,916	3,289	3,731	3,904
Computer sciences	6,374	7,460	8,311	8,836	7,850	7,200	6,628	6,807
Earth, atmospheric, and ocean sciences	4,313	4,439	4,568	4,922	5,183	5,356	5,264	5,394
Atmospheric sciences	226	245	273	302	337	321	345	324
Geosciences	1,926	1,992	2,039	2,169	2,291	2,399	2,363	2,404
Oceanography	1,001	1,055	1,016	1,060	1,163	1,215	1,144	1,187
Earth/atmospheric/ocean sciences, nec	1,160	1,147	1,240	1,391	1,392	1,421	1,412	1,479
Mathematical sciences	4,134	4,071	4,382	4,902	5,139	5,188	5,180	5,327
Mathematics/applied mathematics	3,201	3,056	3,213	3,587	3,665	3,759	3,712	3,849
Statistics	933	1,015	1,169	1,315	1,474	1,429	1,468	1,478
Physical sciences	7,570	7,742	8,086	8,803	9,427	9,885	10,340	10,513
Astronomy	218	250	253	292	331	345	373	393
Chemistry	5,644	5,728	5,923	6,410	6,842	7,183	7,424	7,553
Physics	1,636	1,695	1,823	1,982	2,144	2,242	2,408	2,422
Physical sciences, nec	72	69	87	119	110	115	135	145
Psychology	24,585	25,078	25,184	25,404	26,360	27,883	29,053	29,171
Clinical psychology	7,146	7,168	7,245	7,132	7,363	7,881	8,082	7,874
Psychology, general	7,937	7,997	7,912	7,445	7,974	8,014	8,460	8,610
Psychology, nec	9,502	9,913	10,027	10,827	11,023	11,988	12,511	12,687
Social sciences	26,605	26,688	27,799	30,215	32,199	32,743	33,343	34,892
Agricultural economics	594	680	726	762	812	738	763	782
Anthropology (cultural/social)	3,519	3,437	3,368	3,564	3,711	3,717	3,743	4,000
Economics (except agricultural)	2,735	2,938	3,209	3,467	3,623	3,640	3,465	3,530
Geography	1,150	1,081	1,229	1,229	1,371	1,322	1,374	1,367
History and philosophy of science	162	173	174	188	190	224	267	267
Linguistics	1,400	1,350	1,408	1,464	1,559	1,524	1,599	1,575
Political science	7,659	7,799	8,279	9,711	10,431	11,028	11,530	11,969
Sociology	3,966	3,882	3,951	4,112	4,292	4,158	4,184	4,226
Sociology/anthropology	338	324	355	355	360	403	402	377
Social sciences, nec	5,082	5,024	5,100	5,363	5,850	5,989	6,016	6,799
Engineering	13,523	14,852	16,193	18,417	20,076	19,819	19,472	20,682
Aerospace engineering	325	374	386	412	453	454	462	525

TABLE 20. Female full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	233	241	260	245	279	265	272	302
Biomedical engineering	890	942	1,087	1,378	1,758	1,912	2,025	2,210
Chemical engineering	1,396	1,546	1,540	1,666	1,810	1,817	1,776	1,852
Civil engineering	3,045	3,300	3,425	3,780	4,118	4,161	4,122	4,169
Electrical engineering	3,374	3,889	4,473	5,356	5,568	5,087	4,759	5,223
Engineering science	197	219	257	304	364	378	352	383
Industrial engineering	1,136	1,339	1,429	1,572	1,631	1,595	1,605	1,742
Mechanical engineering	1,262	1,344	1,438	1,580	1,748	1,771	1,732	1,790
Metallurgical/materials engineering	848	850	989	1,062	1,128	1,141	1,188	1,212
Mining engineering	43	35	31	30	32	30	29	33
Nuclear engineering	111	125	128	128	154	168	170	177
Petroleum engineering	73	72	78	95	116	120	104	106
Engineering, nec	590	576	672	809	917	920	876	958
Health fields	36,645	36,450	36,899	39,176	42,836	46,035	48,697	52,048
Clinical medicine	6,719	6,509	7,038	8,005	9,020	9,443	9,724	10,760
Anesthesiology	363	332	427	489	585	711	742	794
Cardiology	25	15	19	19	8	11	13	11
Endocrinology	31	28	27	32	27	37	28	21
Gastroenterology	5	6	6	6	10	7	2	9
Hematology	3	2	2	7	15	12	2	4
Neurology	793	859	975	1,148	1,263	1,285	1,370	1,517
Obstetrics/gynecology	8	6	9	12	10	9	9	30
Oncology/cancer research	134	122	134	144	142	154	188	194
Ophthalmology	22	23	14	68	258	264	254	269
Otorhinolaryngology	0	5	2	1	2	1	2	5
Pediatrics	224	266	266	308	289	270	180	199
Preventive medicine/community health	4,536	4,182	4,378	4,717	5,208	5,367	5,408	6,075
Psychiatry	39	64	81	104	53	152	84	95
Pulmonary disease	2	2	5	1	5	6	13	4
Radiology	44	50	58	67	78	66	83	80
Surgery	52	63	28	18	17	18	21	31
Clinical medicine, nec	438	484	607	864	1,050	1,073	1,325	1,422
Other health	29,926	29,941	29,861	31,171	33,816	36,592	38,973	41,288
Dental sciences	458	502	500	506	596	753	661	558
Nursing	8,366	7,862	7,995	8,686	9,387	10,200	11,149	12,362
Pharmaceutical sciences	1,304	1,405	1,375	1,247	1,848	1,943	2,310	2,451
Speech pathology/audiology	9,597	9,704	9,371	9,544	9,878	10,191	10,604	10,796
Veterinary sciences	610	646	736	876	852	824	966	1,054
Other health, nec	9,591	9,822	9,884	10,312	11,255	12,681	13,283	14,067

nec = not elsewhere classified.

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

TABLE 21. Full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	98,176	110,273	120,959	131,383	132,353	129,337	127,345	131,331
Science and engineering	93,817	105,742	115,886	125,375	126,173	123,184	120,900	124,464
Science	58,135	64,534	70,221	75,164	75,188	75,111	75,293	76,980
Agricultural sciences	2,195	2,098	2,227	2,322	2,350	2,427	2,406	2,381
Biological sciences	10,207	10,820	11,479	12,848	13,789	14,646	15,312	15,661
Anatomy	147	172	169	184	190	170	180	210
Biochemistry	1,387	1,542	1,519	1,679	1,845	1,927	2,012	1,996
Biology	1,714	1,775	1,904	2,168	2,292	2,493	2,724	2,873
Biometry/epidemiology	654	695	762	953	1,029	1,006	1,005	1,027
Biophysics	151	200	257	287	310	362	369	377
Botany	549	538	546	570	558	565	632	661
Cell biology	827	965	1,077	1,207	1,329	1,533	1,614	1,762
Ecology	156	161	173	191	221	228	208	221
Entomology/parasitology	278	265	247	256	271	285	270	271
Genetics	370	363	427	420	503	552	569	587
Microbiology/immunology/virology	900	892	968	1,160	1,122	1,196	1,186	1,067
Nutrition	893	944	1,014	1,026	1,045	1,008	1,005	1,006
Pathology	283	287	283	290	318	300	317	308
Pharmacology	552	611	620	653	741	776	822	719
Physiology	433	424	415	435	503	478	445	445
Zoology	132	164	182	199	162	173	186	172
Biological sciences, nec	781	822	916	1,170	1,350	1,594	1,768	1,959
Computer sciences	12,748	16,928	19,923	20,660	17,964	16,443	16,091	16,801
Earth, atmospheric, and ocean sciences	2,216	2,403	2,472	2,546	2,521	2,563	2,499	2,507
Atmospheric sciences	257	283	266	301	275	257	277	234
Geosciences	1,110	1,182	1,235	1,264	1,315	1,328	1,281	1,305
Oceanography	463	489	477	453	465	480	464	478
Earth/atmospheric/ocean sciences, nec	386	449	494	528	466	498	477	490
Mathematical sciences	5,208	5,395	5,811	6,319	6,704	6,691	6,727	6,822
Mathematics/applied mathematics	4,084	4,144	4,328	4,688	4,868	4,877	4,815	4,862
Statistics	1,124	1,251	1,483	1,631	1,836	1,814	1,912	1,960
Physical sciences	10,335	10,891	11,460	12,383	13,248	13,597	13,805	13,862
Astronomy	234	259	271	295	317	361	356	363
Chemistry	5,627	5,745	6,162	6,836	7,313	7,476	7,673	7,712
Physics	4,405	4,812	4,937	5,167	5,540	5,704	5,712	5,707
Physical sciences, nec	69	75	90	85	78	56	64	80
Psychology	1,737	1,860	2,016	2,195	2,458	2,661	2,484	2,364
Clinical psychology	319	326	355	407	422	343	404	359
Psychology, general	599	719	783	848	979	1,254	993	861
Psychology, nec	819	815	878	940	1,057	1,064	1,087	1,144
Social sciences	13,489	14,139	14,833	15,891	16,154	16,083	15,969	16,582
Agricultural economics	807	904	950	975	1,019	903	895	893
Anthropology (cultural/social)	701	695	658	722	727	746	764	823
Economics (except agricultural)	4,916	5,227	5,700	6,006	6,053	5,995	5,810	5,966
Geography	497	541	629	633	652	661	654	643
History and philosophy of science	57	67	67	65	64	64	77	86
Linguistics	858	866	880	850	878	919	844	868
Political science	3,271	3,452	3,519	3,944	4,123	4,131	4,151	4,492
Sociology	1,013	1,078	1,069	1,157	1,200	1,134	1,139	1,117
Sociology/anthropology	63	67	72	60	64	75	83	84
Social sciences, nec	1,306	1,242	1,289	1,479	1,374	1,455	1,552	1,610
Engineering	35,682	41,208	45,665	50,211	50,985	48,073	45,607	47,484
Aerospace engineering	1,367	1,401	1,537	1,569	1,563	1,548	1,478	1,327
Agricultural engineering	378	342	372	380	449	412	463	505

TABLE 21. Full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Biomedical engineering	790	868	1,048	1,420	1,754	1,857	1,876	1,948
Chemical engineering	2,767	3,084	3,219	3,420	3,496	3,380	3,218	3,241
Civil engineering	4,745	5,441	5,803	6,278	6,409	6,121	5,722	5,554
Electrical engineering	12,926	15,709	17,490	19,586	19,328	17,940	17,059	18,683
Engineering science	469	576	653	745	878	893	786	795
Industrial engineering	3,053	3,725	4,390	4,663	4,373	4,029	3,564	3,625
Mechanical engineering	5,324	6,226	6,683	7,368	7,536	6,908	6,466	6,640
Metallurgical/materials engineering	1,851	1,956	2,201	2,362	2,426	2,363	2,441	2,390
Mining engineering	90	97	94	94	101	103	101	103
Nuclear engineering	298	312	337	315	340	339	325	300
Petroleum engineering	449	330	340	410	590	541	528	543
Engineering, nec	1,175	1,141	1,498	1,601	1,742	1,639	1,580	1,830
Health fields	4,359	4,531	5,073	6,008	6,180	6,153	6,445	6,867
Clinical medicine	1,450	1,333	1,746	2,303	2,273	2,177	2,141	2,345
Anesthesiology	1	2	1	4	13	8	7	11
Cardiology	17	14	16	18	15	16	17	16
Endocrinology	17	13	18	18	24	19	7	10
Gastroenterology	0	1	1	1	2	0	0	1
Hematology	0	4	0	2	7	1	1	2
Neurology	261	315	357	422	486	520	559	597
Obstetrics/gynecology	1	1	0	2	5	4	6	3
Oncology/cancer research	49	40	47	40	33	45	76	71
Ophthalmology	16	16	9	42	18	23	13	16
Otorhinolaryngology	2	0	0	0	0	0	0	1
Pediatrics	23	32	37	51	41	42	56	45
Preventive medicine/community health	936	755	1,086	1,489	1,353	1,247	1,138	1,317
Psychiatry	3	2	1	4	9	13	14	9
Pulmonary disease	0	0	0	1	5	0	6	1
Radiology	29	27	33	50	62	57	46	58
Surgery	7	9	7	2	4	7	2	2
Clinical medicine, nec	88	102	133	157	196	175	193	185
Other health	2,909	3,198	3,327	3,705	3,907	3,976	4,304	4,522
Dental sciences	272	336	294	318	284	286	242	255
Nursing	352	337	316	398	462	413	404	469
Pharmaceutical sciences	1,054	1,195	1,238	1,313	1,431	1,474	1,596	1,650
Speech pathology/audiology	336	351	360	374	402	372	405	436
Veterinary sciences	285	307	326	337	349	341	381	405
Other health, nec	610	672	793	965	979	1,090	1,276	1,307

nec = not elsewhere classified.

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

TABLE 22. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	334,423	341,283	354,522	378,991	397,420	402,573	406,620	419,015
U.S. citizens and permanent residents	236,247	231,010	233,563	247,608	265,067	273,236	279,275	287,684
American Indian/Alaska Native	1,290	1,365	1,413	1,495	1,548	1,560	1,600	1,778
Asian/Pacific Islander	21,643	19,670	20,773	22,796	24,491	24,441	24,570	25,241
Black, non-Hispanic	13,963	15,014	15,307	16,346	17,678	18,500	18,740	19,936
Hispanic	12,810	13,625	14,328	15,611	17,299	18,009	18,707	19,441
White, non-Hispanic	175,601	168,649	168,061	175,950	186,056	190,541	192,546	197,195
Other or unknown	10,940	12,687	13,681	15,410	17,995	20,185	23,112	24,093
Temporary visa holders	98,176	110,273	120,959	131,383	132,353	129,337	127,345	131,331
Science and engineering	283,893	291,355	304,021	325,472	339,028	340,529	341,742	349,802
U.S. citizens and permanent residents	190,076	185,613	188,135	200,097	212,855	217,345	220,842	225,338
American Indian/Alaska Native	1,026	1,102	1,131	1,156	1,235	1,252	1,293	1,443
Asian/Pacific Islander	18,078	16,063	17,013	18,922	20,222	19,789	19,686	19,999
Black, non-Hispanic	11,211	12,079	12,057	12,830	13,522	14,022	14,186	14,858
Hispanic	10,288	10,821	11,381	12,555	13,674	14,231	14,916	15,381
White, non-Hispanic	140,342	134,934	134,994	141,742	149,129	151,506	152,110	153,827
Other or unknown	9,131	10,614	11,559	12,892	15,073	16,545	18,651	19,830
Temporary visa holders	93,817	105,742	115,886	125,375	126,173	123,184	120,900	124,464
Science	215,870	219,079	226,573	240,020	248,812	253,574	257,283	261,984
U.S. citizens and permanent residents	157,735	154,545	156,352	164,856	173,624	178,463	181,990	185,004
American Indian/Alaska Native	905	991	1,002	1,018	1,070	1,097	1,134	1,257
Asian/Pacific Islander	13,090	11,837	12,448	13,401	14,081	14,269	14,316	14,590
Black, non-Hispanic	9,605	10,365	10,401	11,025	11,687	12,062	12,217	12,718
Hispanic	8,672	9,112	9,568	10,562	11,384	11,825	12,512	12,855
White, non-Hispanic	117,928	113,493	113,332	118,220	123,261	125,402	126,329	127,836
Other or unknown	7,535	8,747	9,601	10,630	12,141	13,808	15,482	15,748
Temporary visa holders	58,135	64,534	70,221	75,164	75,188	75,111	75,293	76,980
Agricultural sciences	9,371	9,357	9,405	9,685	10,003	10,040	9,710	9,478
U.S. citizens and permanent residents	7,176	7,259	7,178	7,363	7,653	7,613	7,304	7,097
American Indian/Alaska Native	51	41	41	58	54	59	50	59
Asian/Pacific Islander	249	196	211	228	259	253	220	229
Black, non-Hispanic	218	244	267	289	346	298	310	307
Hispanic	315	344	306	294	368	408	374	397
White, non-Hispanic	6,125	6,118	5,976	6,154	6,307	6,261	5,995	5,717
Other or unknown	218	316	377	340	319	334	355	388
Temporary visa holders	2,195	2,098	2,227	2,322	2,350	2,427	2,406	2,381
Biological sciences	46,946	46,787	48,138	51,551	54,350	55,848	57,697	58,918
U.S. citizens and permanent residents	36,739	35,967	36,659	38,703	40,561	41,202	42,385	43,257
American Indian/Alaska Native	141	160	176	177	192	204	223	266
Asian/Pacific Islander	3,864	3,630	4,071	4,180	4,468	4,537	4,609	4,849
Black, non-Hispanic	1,687	1,718	1,817	1,941	2,097	2,241	2,318	2,418
Hispanic	1,756	1,726	1,892	2,137	2,334	2,485	2,617	2,725
White, non-Hispanic	27,543	26,922	26,820	28,263	29,022	29,270	29,917	30,331
Other or unknown	1,748	1,811	1,883	2,005	2,448	2,465	2,701	2,668
Temporary visa holders	10,207	10,820	11,479	12,848	13,789	14,646	15,312	15,661
Computer sciences	22,687	26,558	30,087	32,579	30,708	29,162	28,317	28,760
U.S. citizens and permanent residents	9,939	9,630	10,164	11,919	12,744	12,719	12,226	11,959
American Indian/Alaska Native	33	39	42	45	51	49	41	48
Asian/Pacific Islander	2,869	2,259	2,329	2,678	2,466	2,182	1,972	1,828
Black, non-Hispanic	537	608	655	800	800	788	764	738
Hispanic	295	283	304	384	465	508	494	529
White, non-Hispanic	5,600	5,679	5,997	6,813	7,757	7,962	7,725	7,390
Other or unknown	605	762	837	1,199	1,205	1,230	1,230	1,426
Temporary visa holders	12,748	16,928	19,923	20,660	17,964	16,443	16,091	16,801

TABLE 22. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Earth, atmospheric, and ocean sciences	10,484	10,558	10,504	11,116	11,497	11,685	11,370	11,431
U.S. citizens and permanent residents	8,268	8,155	8,032	8,570	8,976	9,122	8,871	8,924
American Indian/Alaska Native	42	46	53	64	50	51	47	52
Asian/Pacific Islander	292	272	266	269	286	348	312	311
Black, non-Hispanic	137	159	140	193	195	194	170	186
Hispanic	304	267	297	334	394	418	409	425
White, non-Hispanic	7,163	7,113	6,957	7,313	7,518	7,582	7,400	7,356
Other or unknown	330	298	319	397	533	529	533	594
Temporary visa holders	2,216	2,403	2,472	2,546	2,521	2,563	2,499	2,507
Mathematical sciences	11,796	11,740	12,467	13,709	14,627	14,916	15,261	15,571
U.S. citizens and permanent residents	6,588	6,345	6,656	7,390	7,923	8,225	8,534	8,749
American Indian/Alaska Native	20	14	20	10	16	19	25	40
Asian/Pacific Islander	626	590	624	744	807	849	871	887
Black, non-Hispanic	342	349	359	369	382	392	414	420
Hispanic	274	273	300	334	364	365	380	419
White, non-Hispanic	4,991	4,722	4,931	5,416	5,788	6,016	6,155	6,259
Other or unknown	335	397	422	517	566	584	689	724
Temporary visa holders	5,208	5,395	5,811	6,319	6,704	6,691	6,727	6,822
Physical sciences	26,635	26,492	27,179	28,619	30,441	31,675	32,400	32,841
U.S. citizens and permanent residents	16,300	15,601	15,719	16,236	17,193	18,078	18,595	18,979
American Indian/Alaska Native	62	65	67	71	70	68	70	102
Asian/Pacific Islander	1,400	1,251	1,198	1,148	1,293	1,366	1,350	1,437
Black, non-Hispanic	700	691	683	697	736	802	784	785
Hispanic	728	682	731	810	923	1,026	1,055	1,032
White, non-Hispanic	12,782	12,224	12,185	12,641	13,154	13,725	14,200	14,245
Other or unknown	628	688	855	869	1,017	1,091	1,136	1,378
Temporary visa holders	10,335	10,891	11,460	12,383	13,248	13,597	13,805	13,862
Psychology	34,658	34,919	34,487	34,707	35,774	37,872	38,919	38,994
U.S. citizens and permanent residents	32,921	33,059	32,471	32,512	33,316	35,211	36,435	36,630
American Indian/Alaska Native	220	271	226	221	241	248	240	243
Asian/Pacific Islander	1,529	1,569	1,583	1,590	1,681	1,753	1,784	1,899
Black, non-Hispanic	2,200	2,574	2,515	2,484	2,571	2,761	2,856	2,986
Hispanic	2,454	2,941	2,988	3,233	3,271	3,353	3,494	3,527
White, non-Hispanic	24,840	23,869	23,191	23,023	23,355	23,707	23,909	24,420
Other or unknown	1,678	1,835	1,968	1,961	2,197	3,389	4,152	3,555
Temporary visa holders	1,737	1,860	2,016	2,195	2,458	2,661	2,484	2,364
Social sciences	53,293	52,668	54,306	58,054	61,412	62,376	63,609	65,991
U.S. citizens and permanent residents	39,804	38,529	39,473	42,163	45,258	46,293	47,640	49,409
American Indian/Alaska Native	336	355	377	372	396	399	438	447
Asian/Pacific Islander	2,261	2,070	2,166	2,564	2,821	2,981	3,198	3,150
Black, non-Hispanic	3,784	4,022	3,965	4,252	4,560	4,586	4,601	4,878
Hispanic	2,546	2,596	2,750	3,036	3,265	3,262	3,689	3,801
White, non-Hispanic	28,884	26,846	27,275	28,597	30,360	30,879	31,028	32,118
Other or unknown	1,993	2,640	2,940	3,342	3,856	4,186	4,686	5,015
Temporary visa holders	13,489	14,139	14,833	15,891	16,154	16,083	15,969	16,582
Engineering	68,023	72,276	77,448	85,452	90,216	86,955	84,459	87,818
U.S. citizens and permanent residents	32,341	31,068	31,783	35,241	39,231	38,882	38,852	40,334
American Indian/Alaska Native	121	111	129	138	165	155	159	186
Asian/Pacific Islander	4,988	4,226	4,565	5,521	6,141	5,520	5,370	5,409
Black, non-Hispanic	1,606	1,714	1,656	1,805	1,835	1,960	1,969	2,140
Hispanic	1,616	1,709	1,813	1,993	2,290	2,406	2,404	2,526
White, non-Hispanic	22,414	21,441	21,662	23,522	25,868	26,104	25,781	25,991
Other or unknown	1,596	1,867	1,958	2,262	2,932	2,737	3,169	4,082
Temporary visa holders	35,682	41,208	45,665	50,211	50,985	48,073	45,607	47,484

TABLE 22. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Chemical engineering	5,593	5,861	5,829	6,279	6,414	6,379	6,139	6,218
U.S. citizens and permanent residents	2,826	2,777	2,610	2,859	2,918	2,999	2,921	2,977
American Indian/Alaska Native	13	17	9	19	18	25	23	16
Asian/Pacific Islander	384	405	389	423	406	348	375	407
Black, non-Hispanic	101	125	135	135	133	137	116	120
Hispanic	152	145	152	181	205	208	204	223
White, non-Hispanic	2,074	1,954	1,844	1,985	2,040	2,158	2,056	2,064
Other or unknown	102	131	81	116	116	123	147	147
Temporary visa holders	2,767	3,084	3,219	3,420	3,496	3,380	3,218	3,241
Civil engineering	11,237	11,754	12,102	12,981	13,710	13,588	13,196	13,074
U.S. citizens and permanent residents	6,492	6,313	6,299	6,703	7,301	7,467	7,474	7,520
American Indian/Alaska Native	30	21	24	34	36	33	32	43
Asian/Pacific Islander	624	482	518	583	656	640	617	580
Black, non-Hispanic	247	275	261	276	251	262	273	308
Hispanic	457	516	495	474	561	562	590	618
White, non-Hispanic	4,839	4,739	4,695	4,937	5,359	5,524	5,441	5,337
Other or unknown	295	280	306	399	438	446	521	634
Temporary visa holders	4,745	5,441	5,803	6,278	6,409	6,121	5,722	5,554
Electrical engineering	20,521	22,962	25,240	28,240	28,929	26,732	25,849	27,379
U.S. citizens and permanent residents	7,595	7,253	7,750	8,654	9,601	8,792	8,790	8,696
American Indian/Alaska Native	18	19	27	16	31	27	26	28
Asian/Pacific Islander	1,908	1,601	1,752	2,242	2,546	2,003	1,983	1,831
Black, non-Hispanic	452	427	428	458	438	477	462	497
Hispanic	327	328	376	499	555	560	578	539
White, non-Hispanic	4,410	4,230	4,471	4,764	5,169	5,050	4,967	4,785
Other or unknown	480	648	696	675	862	675	774	1,016
Temporary visa holders	12,926	15,709	17,490	19,586	19,328	17,940	17,059	18,683
Industrial engineering	5,500	6,049	6,534	7,200	7,098	6,591	6,113	6,421
U.S. citizens and permanent residents	2,447	2,324	2,144	2,537	2,725	2,562	2,549	2,796
American Indian/Alaska Native	15	16	16	8	14	10	15	22
Asian/Pacific Islander	379	258	247	336	345	303	287	334
Black, non-Hispanic	175	231	200	246	258	253	255	276
Hispanic	148	155	171	174	190	233	210	211
White, non-Hispanic	1,617	1,497	1,365	1,601	1,616	1,515	1,500	1,511
Other or unknown	113	167	145	172	302	248	282	442
Temporary visa holders	3,053	3,725	4,390	4,663	4,373	4,029	3,564	3,625
Mechanical engineering	10,331	10,795	11,436	12,512	13,356	12,718	12,178	12,666
U.S. citizens and permanent residents	5,007	4,569	4,753	5,144	5,820	5,810	5,712	6,026
American Indian/Alaska Native	18	12	18	20	22	18	20	23
Asian/Pacific Islander	663	443	567	536	620	583	557	579
Black, non-Hispanic	250	263	247	230	247	243	282	283
Hispanic	231	209	246	270	315	347	331	371
White, non-Hispanic	3,613	3,412	3,456	3,791	4,237	4,242	4,117	4,332
Other or unknown	232	230	219	297	379	377	405	438
Temporary visa holders	5,324	6,226	6,683	7,368	7,536	6,908	6,466	6,640
Other engineering	14,841	14,855	16,307	18,240	20,709	20,947	20,984	22,060
U.S. citizens and permanent residents	7,974	7,832	8,227	9,344	10,866	11,252	11,406	12,319
American Indian/Alaska Native	27	26	35	41	44	42	43	54
Asian/Pacific Islander	1,030	1,037	1,092	1,401	1,568	1,643	1,551	1,678
Black, non-Hispanic	381	393	385	460	508	588	581	656
Hispanic	301	356	373	395	464	496	491	564
White, non-Hispanic	5,861	5,609	5,831	6,444	7,447	7,615	7,700	7,962
Other or unknown	374	411	511	603	835	868	1,040	1,405
Temporary visa holders	6,867	7,023	8,080	8,896	9,843	9,695	9,578	9,741

TABLE 22. Full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Field, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Health fields	50,530	49,928	50,501	53,519	58,392	62,044	64,878	69,213
U.S. citizens and permanent residents	46,171	45,397	45,428	47,511	52,212	55,891	58,433	62,346
American Indian/Alaska Native	264	263	282	339	313	308	307	335
Asian/Pacific Islander	3,565	3,607	3,760	3,874	4,269	4,652	4,884	5,242
Black, non-Hispanic	2,752	2,935	3,250	3,516	4,156	4,478	4,554	5,078
Hispanic	2,522	2,804	2,947	3,056	3,625	3,778	3,791	4,060
White, non-Hispanic	35,259	33,715	33,067	34,208	36,927	39,035	40,436	43,368
Other or unknown	1,809	2,073	2,122	2,518	2,922	3,640	4,461	4,263
Temporary visa holders	4,359	4,531	5,073	6,008	6,180	6,153	6,445	6,867

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

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
All sources	334,423	341,283	354,522	378,991	397,420	402,573	406,620	419,015
Federal	65,796	67,588	68,843	75,538	81,761	83,816	83,723	83,962
DOD	8,026	8,141	7,960	7,977	9,204	9,007	8,993	8,867
DOE	2,749	2,995	3,116	3,548	4,024	4,135	4,392	4,480
HHS	23,442	23,490	24,337	26,959	29,231	30,900	30,780	31,249
NIH	19,019	19,472	19,904	22,129	24,309	26,689	26,868	27,587
Other HHS	4,423	4,018	4,433	4,830	4,922	4,211	3,912	3,662
NASA	2,579	2,780	2,819	3,082	3,230	2,916	2,691	2,364
NSF	13,835	14,599	15,429	17,135	19,308	19,975	20,387	20,339
USDA	2,634	2,630	2,735	3,100	3,468	3,563	3,351	3,000
Other	12,531	12,953	12,447	13,737	13,296	13,320	13,129	13,663
Institutional	133,182	133,415	140,787	147,883	151,713	154,514	156,332	160,405
Other nonfederal	26,029	27,848	28,256	28,916	29,216	27,165	27,162	28,042
Domestic	22,099	24,000	24,420	25,557	26,118	24,325	24,548	25,384
Foreign	3,930	3,848	3,836	3,359	3,098	2,840	2,614	2,658
Self-support	109,416	112,432	116,636	126,654	134,730	137,078	139,403	146,606
Science and engineering	283,893	291,355	304,021	325,472	339,028	340,529	341,742	349,802
Federal	57,332	59,224	60,207	66,341	72,328	74,168	74,536	74,327
DOD	7,662	7,734	7,715	7,693	8,908	8,678	8,645	8,502
DOE	2,719	2,980	3,105	3,540	4,011	4,119	4,376	4,453
HHS	17,246	17,684	18,098	20,181	22,242	23,722	23,951	24,381
NIH	15,987	16,315	16,578	18,582	20,441	22,383	22,801	23,330
Other HHS	1,259	1,369	1,520	1,599	1,801	1,339	1,150	1,051
NASA	2,564	2,762	2,797	3,066	3,217	2,891	2,671	2,350
NSF	13,712	14,475	15,300	17,007	19,160	19,806	20,179	20,056
USDA	2,573	2,568	2,685	3,026	3,390	3,479	3,264	2,902
Other	10,856	11,021	10,507	11,828	11,400	11,473	11,450	11,683
Institutional	122,271	122,443	129,814	136,362	139,533	141,274	142,288	145,596
Other nonfederal	23,811	25,389	25,707	26,204	26,465	24,529	24,419	24,858
Domestic	20,303	21,899	22,248	23,174	23,697	21,944	22,009	22,386
Foreign	3,508	3,490	3,459	3,030	2,768	2,585	2,410	2,472
Self-support	80,479	84,299	88,293	96,565	100,702	100,558	100,499	105,021
Science	215,870	219,079	226,573	240,020	248,812	253,574	257,283	261,984
Federal	41,427	42,517	43,135	47,479	50,855	52,885	53,304	53,029
DOD	3,309	3,259	3,331	3,293	3,426	3,364	3,307	3,160
DOE	1,732	1,772	1,813	2,011	2,292	2,358	2,456	2,510
HHS	16,285	16,550	16,810	18,715	20,286	21,588	21,697	21,900
NIH	15,143	15,317	15,445	17,300	18,796	20,476	20,733	20,984
Other HHS	1,142	1,233	1,365	1,415	1,490	1,112	964	916
NASA	1,429	1,492	1,443	1,572	1,575	1,463	1,395	1,301
NSF	8,768	9,264	9,866	11,055	12,434	13,018	13,317	13,132
USDA	2,333	2,351	2,425	2,689	2,971	3,071	2,931	2,570
Other	7,571	7,829	7,447	8,144	7,871	8,023	8,201	8,456
Institutional	97,017	96,372	101,981	105,956	108,310	110,279	112,564	114,849
Other nonfederal	14,277	14,804	14,671	14,925	15,320	14,689	14,624	15,099
Domestic	11,886	12,403	12,300	12,874	13,477	13,001	13,086	13,475
Foreign	2,391	2,401	2,371	2,051	1,843	1,688	1,538	1,624
Self-support	63,149	65,386	66,786	71,660	74,327	75,721	76,791	79,007
Agricultural sciences	9,371	9,357	9,405	9,685	10,003	10,040	9,710	9,478
Federal	1,943	1,938	1,974	2,156	2,505	2,516	2,343	2,282
DOD	28	42	47	34	33	24	24	25
DOE	41	45	29	55	58	49	53	42
HHS	29	57	51	87	89	90	84	78
NIH	17	37	40	64	60	67	74	67
Other HHS	12	20	11	23	29	23	10	11
NASA	55	65	63	74	90	52	49	42
NSF	114	113	138	124	211	202	211	216

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
USDA	1,077	1,043	1,065	1,156	1,333	1,369	1,278	1,169
Other	599	573	581	626	691	730	644	710
Institutional	3,865	3,870	4,060	4,109	3,949	4,050	3,987	4,079
Other nonfederal	1,630	1,711	1,567	1,549	1,584	1,592	1,460	1,297
Domestic	1,371	1,475	1,380	1,426	1,413	1,463	1,355	1,218
Foreign	259	236	187	123	171	129	105	79
Self-support	1,933	1,838	1,804	1,871	1,965	1,882	1,920	1,820
Biological sciences	46,946	46,787	48,138	51,551	54,350	55,848	57,697	58,918
Federal	16,462	16,670	16,733	18,611	20,178	21,736	22,131	22,204
DOD	338	329	369	393	363	442	360	370
DOE	155	171	166	180	193	224	253	214
HHS	12,265	12,263	12,315	13,664	14,886	16,142	16,223	16,626
NIH	11,771	11,688	11,651	12,944	14,161	15,627	15,704	16,117
Other HHS	494	575	664	720	725	515	519	509
NASA	101	100	77	115	98	107	94	81
NSF	1,495	1,600	1,619	1,816	2,137	2,266	2,322	2,228
USDA	803	781	817	992	1,034	1,078	1,078	907
Other	1,305	1,426	1,370	1,451	1,467	1,477	1,801	1,778
Institutional	20,354	20,137	21,178	21,785	22,369	22,398	23,476	23,846
Other nonfederal	3,301	3,378	3,591	3,851	3,990	3,796	3,956	4,229
Domestic	2,843	2,954	3,225	3,544	3,702	3,552	3,698	3,940
Foreign	458	424	366	307	288	244	258	289
Self-support	6,829	6,602	6,636	7,304	7,813	7,918	8,134	8,639
Computer sciences	22,687	26,558	30,087	32,579	30,708	29,162	28,317	28,760
Federal	3,349	3,675	4,248	4,958	5,325	5,133	5,367	5,025
DOD	1,208	1,220	1,284	1,303	1,379	1,184	1,405	1,197
DOE	109	111	120	138	159	155	156	164
HHS	107	122	173	240	303	295	327	311
NIH	64	84	101	185	231	262	289	268
Other HHS	43	38	72	55	72	33	38	43
NASA	111	142	166	203	226	141	95	86
NSF	1,309	1,495	1,867	2,344	2,717	2,748	2,819	2,714
USDA	20	16	25	41	39	37	21	33
Other	485	569	613	689	502	573	544	520
Institutional	7,033	7,838	8,975	9,537	9,257	9,022	9,028	9,032
Other nonfederal	1,529	1,906	1,925	1,908	1,948	1,733	1,680	1,651
Domestic	1,393	1,640	1,604	1,684	1,758	1,547	1,480	1,442
Foreign	136	266	321	224	190	186	200	209
Self-support	10,776	13,139	14,939	16,176	14,178	13,274	12,242	13,052
Earth, atmospheric, and ocean sciences	10,484	10,558	10,504	11,116	11,497	11,685	11,370	11,431
Federal	2,965	2,992	2,916	3,041	3,306	3,343	3,309	3,316
DOD	336	280	257	201	254	128	154	132
DOE	124	144	137	167	155	171	166	117
HHS	37	57	60	47	68	42	34	64
NIH	17	40	37	32	52	25	22	55
Other HHS	20	17	23	15	16	17	12	9
NASA	409	457	456	470	420	456	458	417
NSF	1,128	1,140	1,127	1,205	1,376	1,513	1,505	1,544
USDA	55	50	65	74	85	93	73	71
Other	876	864	814	877	948	940	919	971
Institutional	4,748	4,620	4,670	4,897	5,083	5,221	5,026	4,934
Other nonfederal	847	905	904	1,099	882	912	955	1,062
Domestic	687	760	719	905	766	840	859	983
Foreign	160	145	185	194	116	72	96	79
Self-support	1,924	2,041	2,014	2,079	2,226	2,209	2,080	2,119
Mathematical sciences	11,796	11,740	12,467	13,709	14,627	14,916	15,261	15,571
Federal	1,103	1,368	1,388	1,619	1,680	1,720	1,756	1,760

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
DOD	227	239	212	166	232	165	187	175
DOE	44	40	40	42	53	64	69	64
HHS	105	92	108	165	154	174	165	178
NIH	78	76	89	133	119	154	155	152
Other HHS	27	16	19	32	35	20	10	26
NASA	15	23	23	20	23	24	24	18
NSF	441	635	763	944	975	1,031	1,028	1,011
USDA	7	7	20	14	9	33	35	19
Other	264	332	222	268	234	229	248	295
Institutional	8,267	8,187	8,635	9,104	9,650	9,976	10,155	10,163
Other nonfederal	439	438	417	555	520	377	431	461
Domestic	313	309	297	441	425	298	348	391
Foreign	126	129	120	114	95	79	83	70
Self-support	1,987	1,747	2,027	2,431	2,777	2,843	2,919	3,187
Physical sciences	26,635	26,492	27,179	28,619	30,441	31,675	32,400	32,841
Federal	9,239	9,211	9,284	9,950	10,615	11,186	11,217	11,246
DOD	881	864	855	860	885	1,146	892	906
DOE	1,181	1,170	1,260	1,368	1,607	1,613	1,695	1,835
HHS	1,844	1,974	2,113	2,346	2,446	2,531	2,622	2,530
NIH	1,655	1,769	1,858	2,114	2,179	2,356	2,480	2,408
Other HHS	189	205	255	232	267	175	142	122
NASA	562	533	506	544	574	560	580	573
NSF	3,279	3,287	3,327	3,591	3,868	4,095	4,168	4,106
USDA	33	51	42	51	66	45	40	25
Other	1,459	1,332	1,181	1,190	1,169	1,196	1,220	1,271
Institutional	14,118	13,864	14,521	15,052	16,119	16,743	17,174	17,477
Other nonfederal	1,926	1,901	1,959	2,019	2,084	2,097	2,161	2,195
Domestic	1,754	1,733	1,832	1,898	1,957	1,997	2,068	2,084
Foreign	172	168	127	121	127	100	93	111
Self-support	1,352	1,516	1,415	1,598	1,623	1,649	1,848	1,923
Psychology	34,658	34,919	34,487	34,707	35,774	37,872	38,919	38,994
Federal	3,229	3,278	3,218	3,573	3,568	3,621	3,685	3,559
DOD	117	135	140	170	150	140	150	152
DOE	41	25	1	9	10	27	30	32
HHS	1,554	1,605	1,616	1,756	1,866	1,875	1,847	1,737
NIH	1,275	1,328	1,392	1,512	1,621	1,668	1,705	1,600
Other HHS	279	277	224	244	245	207	142	137
NASA	41	36	27	37	27	32	12	13
NSF	310	277	283	297	330	369	394	417
USDA	13	16	13	4	17	20	15	11
Other	1,153	1,184	1,138	1,300	1,168	1,158	1,237	1,197
Institutional	13,235	12,517	13,131	13,220	13,295	13,677	13,837	14,167
Other nonfederal	1,397	1,342	1,238	1,182	1,314	1,399	1,420	1,562
Domestic	1,341	1,291	1,173	1,126	1,231	1,353	1,390	1,510
Foreign	56	51	65	56	83	46	30	52
Self-support	16,797	17,782	16,900	16,732	17,597	19,175	19,977	19,706
Social sciences	53,293	52,668	54,306	58,054	61,412	62,376	63,609	65,991
Federal	3,137	3,385	3,374	3,571	3,678	3,630	3,496	3,637
DOD	174	150	167	166	130	135	135	203
DOE	37	66	60	52	57	55	34	42
HHS	344	380	374	410	474	439	395	376
NIH	266	295	277	316	373	317	304	317
Other HHS	78	85	97	94	101	122	91	59
NASA	135	136	125	109	117	91	83	71
NSF	692	717	742	734	820	794	870	896
USDA	325	387	378	357	388	396	391	335
Other	1,430	1,549	1,528	1,743	1,692	1,720	1,588	1,714
Institutional	25,397	25,339	26,811	28,252	28,588	29,192	29,881	31,151

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
Other nonfederal	3,208	3,223	3,070	2,762	2,998	2,783	2,561	2,642
Domestic	2,184	2,241	2,070	1,850	2,225	1,951	1,888	1,907
Foreign	1,024	982	1,000	912	773	832	673	735
Self-support	21,551	20,721	21,051	23,469	26,148	26,771	27,671	28,561
Engineering	68,023	72,276	77,448	85,452	90,216	86,955	84,459	87,818
Federal	15,905	16,707	17,072	18,862	21,473	21,283	21,232	21,298
DOD	4,353	4,475	4,384	4,400	5,482	5,314	5,338	5,342
DOE	987	1,208	1,292	1,529	1,719	1,761	1,920	1,943
HHS	961	1,134	1,288	1,466	1,956	2,134	2,254	2,481
NIH	844	998	1,133	1,282	1,645	1,907	2,068	2,346
Other HHS	117	136	155	184	311	227	186	135
NASA	1,135	1,270	1,354	1,494	1,642	1,428	1,276	1,049
NSF	4,944	5,211	5,434	5,952	6,726	6,788	6,862	6,924
USDA	240	217	260	337	419	408	333	332
Other	3,285	3,192	3,060	3,684	3,529	3,450	3,249	3,227
Institutional	25,254	26,071	27,833	30,406	31,223	30,995	29,724	30,747
Other nonfederal	9,534	10,585	11,036	11,279	11,145	9,840	9,795	9,759
Domestic	8,417	9,496	9,948	10,300	10,220	8,943	8,923	8,911
Foreign	1,117	1,089	1,088	979	925	897	872	848
Self-support	17,330	18,913	21,507	24,905	26,375	24,837	23,708	26,014
Chemical engineering	5,593	5,861	5,829	6,279	6,414	6,379	6,139	6,218
Federal	1,669	1,672	1,692	1,965	2,055	2,146	2,097	2,105
DOD	161	113	140	181	265	218	204	179
DOE	220	242	257	310	327	352	365	371
HHS	149	155	179	219	245	298	274	328
NIH	127	128	136	185	210	262	236	298
Other HHS	22	27	43	34	35	36	38	30
NASA	101	102	108	119	103	95	90	67
NSF	744	770	721	823	841	873	851	816
USDA	37	35	35	45	35	46	46	61
Other	257	255	252	268	239	264	267	283
Institutional	2,295	2,299	2,241	2,446	2,540	2,479	2,343	2,341
Other nonfederal	973	1,081	1,095	1,094	995	957	920	995
Domestic	899	977	984	1,011	932	902	870	933
Foreign	74	104	111	83	63	55	50	62
Self-support	656	809	801	774	824	797	779	777
Civil engineering	11,237	11,754	12,102	12,981	13,710	13,588	13,196	13,074
Federal	1,668	1,934	1,943	2,104	2,185	2,155	2,000	1,871
DOD	157	160	178	182	148	169	180	143
DOE	50	84	82	84	94	90	92	64
HHS	44	51	27	36	61	59	60	56
NIH	39	40	26	29	45	33	32	30
Other HHS	5	11	1	7	16	26	28	26
NASA	56	74	79	93	87	59	68	57
NSF	538	596	587	648	704	702	652	659
USDA	35	36	38	50	69	73	64	40
Other	788	933	952	1,011	1,022	1,003	884	852
Institutional	4,865	4,941	4,977	5,386	5,553	5,703	5,341	5,385
Other nonfederal	1,119	1,357	1,479	1,370	1,483	1,240	1,169	1,174
Domestic	931	1,193	1,303	1,255	1,378	1,108	1,055	1,080
Foreign	188	164	176	115	105	132	114	94
Self-support	3,585	3,522	3,703	4,121	4,489	4,490	4,686	4,644
Electrical engineering	20,521	22,962	25,240	28,240	28,929	26,732	25,849	27,379
Federal	4,608	5,052	4,968	5,702	6,198	6,000	6,036	5,985
DOD	1,848	2,080	1,976	1,942	2,233	1,969	1,946	1,937
DOE	71	93	138	193	189	211	236	245
HHS	104	187	149	180	356	351	360	421

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
NIH	87	145	109	145	246	291	314	394
Other HHS	17	42	40	35	110	60	46	27
NASA	272	284	332	384	373	335	244	217
NSF	1,473	1,586	1,641	1,945	2,256	2,363	2,501	2,488
USDA	10	12	13	21	57	54	23	21
Other	830	810	719	1,037	734	717	726	656
Institutional	7,197	7,390	8,038	8,672	8,933	8,564	8,334	8,622
Other nonfederal	2,840	3,278	3,433	3,550	3,310	2,794	3,058	2,646
Domestic	2,561	3,027	3,184	3,312	3,080	2,630	2,793	2,446
Foreign	279	251	249	238	230	164	265	200
Self-support	5,876	7,242	8,801	10,316	10,488	9,374	8,421	10,126
Industrial engineering	5,500	6,049	6,534	7,200	7,098	6,591	6,113	6,421
Federal	711	805	803	827	989	968	950	896
DOD	252	235	241	242	251	303	342	321
DOE	12	31	46	42	58	45	46	46
HHS	33	34	40	58	73	66	68	65
NIH	20	21	29	31	36	43	56	54
Other HHS	13	13	11	27	37	23	12	11
NASA	28	26	29	29	58	43	52	21
NSF	220	258	276	277	387	334	291	281
USDA	2	7	8	6	11	12	9	9
Other	164	214	163	173	151	165	142	153
Institutional	1,929	2,129	2,429	2,618	2,364	2,341	2,147	2,324
Other nonfederal	577	683	746	756	695	600	574	550
Domestic	488	576	605	640	617	520	514	473
Foreign	89	107	141	116	78	80	60	77
Self-support	2,283	2,432	2,556	2,999	3,050	2,682	2,442	2,651
Mechanical engineering	10,331	10,795	11,436	12,512	13,356	12,718	12,178	12,666
Federal	2,591	2,656	2,776	2,976	3,417	3,162	3,097	3,240
DOD	713	652	689	618	876	730	703	781
DOE	207	239	214	312	351	360	342	393
HHS	112	112	159	159	166	180	186	187
NIH	87	105	147	144	135	154	159	171
Other HHS	25	7	12	15	31	26	27	16
NASA	242	292	280	316	350	282	258	217
NSF	882	915	1,002	1,035	1,104	1,040	1,055	1,096
USDA	21	7	11	10	20	22	19	11
Other	414	439	421	526	550	548	534	555
Institutional	4,042	4,228	4,483	4,983	5,055	4,991	4,671	4,893
Other nonfederal	1,604	1,764	1,692	1,731	1,740	1,490	1,399	1,529
Domestic	1,434	1,565	1,545	1,608	1,610	1,338	1,268	1,370
Foreign	170	199	147	123	130	152	131	159
Self-support	2,094	2,147	2,485	2,822	3,144	3,075	3,011	3,004
Other engineering	14,841	14,855	16,307	18,240	20,709	20,947	20,984	22,060
Federal	4,658	4,588	4,890	5,288	6,629	6,852	7,052	7,201
DOD	1,222	1,235	1,160	1,235	1,709	1,925	1,963	1,981
DOE	427	519	555	588	700	703	839	824
HHS	519	595	734	814	1,055	1,180	1,306	1,424
NIH	484	559	686	748	973	1,124	1,271	1,399
Other HHS	35	36	48	66	82	56	35	25
NASA	436	492	526	553	671	614	564	470
NSF	1,087	1,086	1,207	1,224	1,434	1,476	1,512	1,584
USDA	135	120	155	205	227	201	172	190
Other	832	541	553	669	833	753	696	728
Institutional	4,926	5,084	5,665	6,301	6,778	6,917	6,888	7,182
Other nonfederal	2,421	2,422	2,591	2,778	2,922	2,759	2,675	2,865
Domestic	2,104	2,158	2,327	2,474	2,603	2,445	2,423	2,609
Foreign	317	264	264	304	319	314	252	256

TABLE 23. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
Self-support	2,836	2,761	3,161	3,873	4,380	4,419	4,369	4,812
Health fields	50,530	49,928	50,501	53,519	58,392	62,044	64,878	69,213
Federal	8,464	8,364	8,636	9,197	9,433	9,648	9,187	9,635
DOD	364	407	245	284	296	329	348	365
DOE	30	15	11	8	13	16	16	27
HHS	6,196	5,806	6,239	6,778	6,989	7,178	6,829	6,868
NIH	3,032	3,157	3,326	3,547	3,868	4,306	4,067	4,257
Other HHS	3,164	2,649	2,913	3,231	3,121	2,872	2,762	2,611
NASA	15	18	22	16	13	25	20	14
NSF	123	124	129	128	148	169	208	283
USDA	61	62	50	74	78	84	87	98
Other	1,675	1,932	1,940	1,909	1,896	1,847	1,679	1,980
Institutional	10,911	10,972	10,973	11,521	12,180	13,240	14,044	14,809
Other nonfederal	2,218	2,459	2,549	2,712	2,751	2,636	2,743	3,184
Domestic	1,796	2,101	2,172	2,383	2,421	2,381	2,539	2,998
Foreign	422	358	377	329	330	255	204	186
Self-support	28,937	28,133	28,343	30,089	34,028	36,520	38,904	41,585

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 = U.S. Department of Agriculture.

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

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	334,423	341,283	354,522	378,991	397,420	402,573	406,620	419,015
Fellowships	30,112	31,330	32,270	34,849	34,460	35,034	36,414	36,689
Research assistantships	91,279	94,323	99,923	108,185	114,256	114,768	114,304	114,774
Teaching assistantships	66,294	66,423	68,267	70,732	73,105	73,009	74,238	75,911
Traineeships	14,707	14,171	14,154	15,006	15,126	14,903	14,570	14,571
Other support	132,031	135,036	139,908	150,219	160,473	164,859	167,094	177,070
Self-support	109,416	112,432	116,636	126,654	134,730	137,078	139,403	146,606
Other support	22,615	22,604	23,272	23,565	25,743	27,781	27,691	30,464
Science and engineering	283,893	291,355	304,021	325,472	339,028	340,529	341,742	349,802
Fellowships	27,377	28,415	29,677	32,082	31,780	32,184	33,557	33,659
Research assistantships	85,866	88,449	93,638	101,553	107,294	107,489	106,739	107,211
Teaching assistantships	63,198	63,328	64,976	67,242	69,476	69,165	70,230	71,562
Traineeships	9,505	9,554	9,265	9,852	10,169	9,892	9,946	9,801
Other support	97,947	101,609	106,465	114,743	120,309	121,799	121,270	127,569
Self-support	80,479	84,299	88,293	96,565	100,702	100,558	100,499	105,021
Other support	17,468	17,310	18,172	18,178	19,607	21,241	20,771	22,548
Science	215,870	219,079	226,573	240,020	248,812	253,574	257,283	261,984
Fellowships	21,278	22,051	23,210	25,063	24,514	24,989	26,298	26,441
Research assistantships	57,197	57,762	61,465	66,411	69,965	71,664	71,999	72,019
Teaching assistantships	52,496	52,273	53,093	54,679	56,945	56,994	58,320	59,384
Traineeships	8,737	8,786	8,482	8,900	9,113	8,936	8,916	8,798
Other support	76,162	78,207	80,323	84,967	88,275	90,991	91,750	95,342
Self-support	63,149	65,386	66,786	71,660	74,327	75,721	76,791	79,007
Other support	13,013	12,821	13,537	13,307	13,948	15,270	14,959	16,335
Agricultural sciences	9,371	9,357	9,405	9,685	10,003	10,040	9,710	9,478
Fellowships	474	450	520	520	568	599	656	555
Research assistantships	5,219	5,279	5,432	5,612	5,823	5,870	5,534	5,367
Teaching assistantships	1,192	1,223	1,203	1,178	1,169	1,216	1,187	1,191
Traineeships	95	86	84	73	52	74	20	50
Other support	2,391	2,319	2,166	2,302	2,391	2,281	2,313	2,315
Self-support	1,933	1,838	1,804	1,871	1,965	1,882	1,920	1,820
Other support	458	481	362	431	426	399	393	495
Biological sciences	46,946	46,787	48,138	51,551	54,350	55,848	57,697	58,918
Fellowships	5,789	5,747	6,147	6,431	6,477	6,629	7,148	6,816
Research assistantships	18,308	18,564	19,410	21,181	22,706	23,918	24,602	25,002
Teaching assistantships	8,727	8,619	8,639	8,903	9,145	8,847	9,129	9,474
Traineeships	5,283	5,177	5,009	5,402	5,649	5,624	5,710	5,511
Other support	8,839	8,680	8,933	9,634	10,373	10,830	11,108	12,115
Self-support	6,829	6,602	6,636	7,304	7,813	7,918	8,134	8,639
Other support	2,010	2,078	2,297	2,330	2,560	2,912	2,974	3,476
Computer sciences	22,687	26,558	30,087	32,579	30,708	29,162	28,317	28,760
Fellowships	1,006	1,198	1,114	1,480	1,387	1,411	1,465	1,490
Research assistantships	4,895	5,302	6,407	7,153	7,500	7,197	7,186	7,252
Teaching assistantships	4,366	4,602	5,130	5,367	5,029	4,819	4,742	4,558
Traineeships	212	263	248	279	332	288	231	186
Other support	12,208	15,193	17,188	18,300	16,460	15,447	14,693	15,274
Self-support	10,776	13,139	14,939	16,176	14,178	13,274	12,242	13,052
Other support	1,432	2,054	2,249	2,124	2,282	2,173	2,451	2,222
Earth, atmospheric, and ocean sciences	10,484	10,558	10,504	11,116	11,497	11,685	11,370	11,431
Fellowships	930	1,046	1,065	1,118	1,175	1,227	1,356	1,308
Research assistantships	4,249	4,235	4,173	4,532	4,597	4,829	4,740	4,729
Teaching assistantships	2,612	2,528	2,562	2,685	2,810	2,691	2,664	2,770
Traineeships	109	98	97	98	115	123	111	106
Other support	2,584	2,651	2,607	2,683	2,800	2,815	2,499	2,518

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
Self-support	1,924	2,041	2,014	2,079	2,226	2,209	2,080	2,119
Other support	660	610	593	604	574	606	419	399
Mathematical sciences	11,796	11,740	12,467	13,709	14,627	14,916	15,261	15,571
Fellowships	1,035	1,295	1,397	1,424	1,382	1,345	1,428	1,535
Research assistantships	1,269	1,250	1,422	1,736	1,810	1,923	1,892	1,807
Teaching assistantships	6,767	6,805	6,997	7,429	7,923	8,031	8,220	8,216
Traineeships	112	122	105	124	123	108	95	101
Other support	2,613	2,268	2,546	2,996	3,389	3,509	3,626	3,912
Self-support	1,987	1,747	2,027	2,431	2,777	2,843	2,919	3,187
Other support	626	521	519	565	612	666	707	725
Physical sciences	26,635	26,492	27,179	28,619	30,441	31,675	32,400	32,841
Fellowships	2,199	2,260	2,371	2,663	2,514	2,731	2,790	3,114
Research assistantships	11,270	11,097	11,826	12,653	13,527	13,702	14,013	13,904
Teaching assistantships	10,866	10,664	10,575	10,761	11,818	12,253	12,593	12,580
Traineeships	383	464	437	421	364	366	422	437
Other support	1,917	2,007	1,970	2,121	2,218	2,623	2,582	2,806
Self-support	1,352	1,516	1,415	1,598	1,623	1,649	1,848	1,923
Other support	565	491	555	523	595	974	734	883
Psychology	34,658	34,919	34,487	34,707	35,774	37,872	38,919	38,994
Fellowships	2,478	2,375	2,307	2,295	2,299	2,396	2,511	2,611
Research assistantships	4,795	4,710	4,979	5,370	5,584	6,031	5,838	5,760
Teaching assistantships	6,032	5,796	5,645	5,818	6,081	5,934	6,219	6,552
Traineeships	1,022	1,228	1,302	1,246	1,184	900	1,080	1,066
Other support	20,331	20,810	20,254	19,978	20,626	22,611	23,271	23,005
Self-support	16,797	17,782	16,900	16,732	17,597	19,175	19,977	19,706
Other support	3,534	3,028	3,354	3,246	3,029	3,436	3,294	3,299
Social sciences	53,293	52,668	54,306	58,054	61,412	62,376	63,609	65,991
Fellowships	7,367	7,680	8,289	9,132	8,712	8,651	8,944	9,012
Research assistantships	7,192	7,325	7,816	8,174	8,418	8,194	8,194	8,198
Teaching assistantships	11,934	12,036	12,342	12,538	12,970	13,203	13,566	14,043
Traineeships	1,521	1,348	1,200	1,257	1,294	1,453	1,247	1,341
Other support	25,279	24,279	24,659	26,953	30,018	30,875	31,658	33,397
Self-support	21,551	20,721	21,051	23,469	26,148	26,771	27,671	28,561
Other support	3,728	3,558	3,608	3,484	3,870	4,104	3,987	4,836
Engineering	68,023	72,276	77,448	85,452	90,216	86,955	84,459	87,818
Fellowships	6,099	6,364	6,467	7,019	7,266	7,195	7,259	7,218
Research assistantships	28,669	30,687	32,173	35,142	37,329	35,825	34,740	35,192
Teaching assistantships	10,702	11,055	11,883	12,563	12,531	12,171	11,910	12,178
Traineeships	768	768	783	952	1,056	956	1,030	1,003
Other support	21,785	23,402	26,142	29,776	32,034	30,808	29,520	32,227
Self-support	17,330	18,913	21,507	24,905	26,375	24,837	23,708	26,014
Other support	4,455	4,489	4,635	4,871	5,659	5,971	5,812	6,213
Chemical engineering	5,593	5,861	5,829	6,279	6,414	6,379	6,139	6,218
Fellowships	836	794	760	832	837	692	658	683
Research assistantships	2,944	3,076	3,154	3,464	3,603	3,754	3,593	3,654
Teaching assistantships	964	951	850	894	851	789	757	746
Traineeships	65	85	53	71	73	102	123	114
Other support	784	955	1,012	1,018	1,050	1,042	1,008	1,021
Self-support	656	809	801	774	824	797	779	777
Other support	128	146	211	244	226	245	229	244
Civil engineering	11,237	11,754	12,102	12,981	13,710	13,588	13,196	13,074
Fellowships	869	924	1,009	1,074	1,115	1,093	1,103	1,041
Research assistantships	4,086	4,636	4,533	4,781	5,033	4,870	4,450	4,354
Teaching assistantships	1,789	1,868	1,876	1,952	2,011	2,096	1,993	2,141

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
Traineeships	197	117	156	210	196	152	160	148
Other support	4,296	4,209	4,528	4,964	5,355	5,377	5,490	5,390
Self-support	3,585	3,522	3,703	4,121	4,489	4,490	4,686	4,644
Other support	711	687	825	843	866	887	804	746
Electrical engineering	20,521	22,962	25,240	28,240	28,929	26,732	25,849	27,379
Fellowships	1,363	1,357	1,303	1,497	1,535	1,522	1,571	1,542
Research assistantships	8,417	9,207	9,588	10,655	10,814	10,168	10,196	9,874
Teaching assistantships	3,392	3,643	4,045	4,303	4,227	3,924	3,869	3,853
Traineeships	76	107	92	105	128	123	147	94
Other support	7,273	8,648	10,212	11,680	12,225	10,995	10,066	12,016
Self-support	5,876	7,242	8,801	10,316	10,488	9,374	8,421	10,126
Other support	1,397	1,406	1,411	1,364	1,737	1,621	1,645	1,890
Industrial engineering	5,500	6,049	6,534	7,200	7,098	6,591	6,113	6,421
Fellowships	257	325	427	445	442	437	419	417
Research assistantships	1,468	1,655	1,747	1,900	1,843	1,691	1,505	1,586
Teaching assistantships	893	956	1,058	1,027	964	940	924	964
Traineeships	21	18	58	56	42	46	51	54
Other support	2,861	3,095	3,244	3,772	3,807	3,477	3,214	3,400
Self-support	2,283	2,432	2,556	2,999	3,050	2,682	2,442	2,651
Other support	578	663	688	773	757	795	772	749
Mechanical engineering	10,331	10,795	11,436	12,512	13,356	12,718	12,178	12,666
Fellowships	874	1,021	955	1,013	991	917	927	986
Research assistantships	4,642	4,850	5,086	5,480	6,048	5,704	5,329	5,638
Teaching assistantships	1,950	1,968	2,178	2,358	2,310	2,203	2,185	2,245
Traineeships	142	121	126	116	117	102	109	95
Other support	2,723	2,835	3,091	3,545	3,890	3,792	3,628	3,702
Self-support	2,094	2,147	2,485	2,822	3,144	3,075	3,011	3,004
Other support	629	688	606	723	746	717	617	698
Other engineering	14,841	14,855	16,307	18,240	20,709	20,947	20,984	22,060
Fellowships	1,900	1,943	2,013	2,158	2,346	2,534	2,581	2,549
Research assistantships	7,112	7,263	8,065	8,862	9,988	9,638	9,667	10,086
Teaching assistantships	1,714	1,669	1,876	2,029	2,168	2,219	2,182	2,229
Traineeships	267	320	298	394	500	431	440	498
Other support	3,848	3,660	4,055	4,797	5,707	6,125	6,114	6,698
Self-support	2,836	2,761	3,161	3,873	4,380	4,419	4,369	4,812
Other support	1,012	899	894	924	1,327	1,706	1,745	1,886
Health fields	50,530	49,928	50,501	53,519	58,392	62,044	64,878	69,213
Fellowships	2,735	2,915	2,593	2,767	2,680	2,850	2,857	3,030
Research assistantships	5,413	5,874	6,285	6,632	6,962	7,279	7,565	7,563
Teaching assistantships	3,096	3,095	3,291	3,490	3,629	3,844	4,008	4,349
Traineeships	5,202	4,617	4,889	5,154	4,957	5,011	4,624	4,770
Other support	34,084	33,427	33,443	35,476	40,164	43,060	45,824	49,501
Self-support	28,937	28,133	28,343	30,089	34,028	36,520	38,904	41,585
Other support	5,147	5,294	5,100	5,387	6,136	6,540	6,920	7,916

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

TABLE 25. Full-time graduate students in science and engineering fields in all institutions, by primary mechanism and primary source of support: 1999–2006

Primary mechanism and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
All sources	283,893	291,355	304,021	325,472	339,028	340,529	341,742	349,802
Federal	57,332	59,224	60,207	66,341	72,328	74,168	74,536	74,327
DOD	7,662	7,734	7,715	7,693	8,908	8,678	8,645	8,502
DOE	2,719	2,980	3,105	3,540	4,011	4,119	4,376	4,453
HHS	17,246	17,684	18,098	20,181	22,242	23,722	23,951	24,381
NIH	15,987	16,315	16,578	18,582	20,441	22,383	22,801	23,330
Other HHS	1,259	1,369	1,520	1,599	1,801	1,339	1,150	1,051
NASA	2,564	2,762	2,797	3,066	3,217	2,891	2,671	2,350
NSF	13,712	14,475	15,300	17,007	19,160	19,806	20,179	20,056
USDA	2,573	2,568	2,685	3,026	3,390	3,479	3,264	2,902
Other	10,856	11,021	10,507	11,828	11,400	11,473	11,450	11,683
Institutional	122,271	122,443	129,814	136,362	139,533	141,274	142,288	145,596
Other nonfederal	23,811	25,389	25,707	26,204	26,465	24,529	24,419	24,858
Domestic	20,303	21,899	22,248	23,174	23,697	21,944	22,009	22,386
Foreign	3,508	3,490	3,459	3,030	2,768	2,585	2,410	2,472
Self-support	80,479	84,299	88,293	96,565	100,702	100,558	100,499	105,021
Fellowships	27,377	28,415	29,677	32,082	31,780	32,184	33,557	33,659
Federal	6,594	6,614	6,587	7,099	6,979	7,249	7,554	7,466
DOD	486	540	472	446	436	412	363	410
DOE	100	156	120	118	151	129	149	168
HHS	1,345	1,149	1,315	1,490	1,367	1,520	1,450	1,472
NIH	1,175	992	1,144	1,293	1,196	1,395	1,360	1,414
Other HHS	170	157	171	197	171	125	90	58
NASA	359	338	317	319	265	264	281	261
NSF	2,411	2,539	2,606	2,818	3,135	3,317	3,503	3,278
USDA	141	120	126	89	93	85	72	47
Other	1,752	1,772	1,631	1,819	1,532	1,522	1,736	1,830
Institutional	15,991	16,983	18,317	20,213	20,055	20,549	21,867	22,051
Other nonfederal	4,792	4,818	4,773	4,770	4,746	4,386	4,136	4,142
Domestic	3,269	3,449	3,360	3,568	3,714	3,440	3,148	3,068
Foreign	1,523	1,369	1,413	1,202	1,032	946	988	1,074
Self-support	na	na	na	na	na	na	na	na
Research assistantships	85,866	88,449	93,638	101,553	107,294	107,489	106,739	107,211
Federal	40,977	42,405	43,861	49,023	54,322	55,350	55,056	54,367
DOD	5,658	5,730	5,799	6,153	6,834	6,244	6,060	5,863
DOE	2,533	2,717	2,892	3,322	3,762	3,851	4,076	4,099
HHS	10,787	11,335	11,773	13,349	15,126	16,394	16,512	16,792
NIH	10,036	10,473	10,733	12,245	13,761	15,404	15,717	16,033
Other HHS	751	862	1,040	1,104	1,365	990	795	759
NASA	2,107	2,291	2,336	2,606	2,817	2,526	2,245	1,956
NSF	10,715	11,304	12,022	13,459	15,209	15,608	15,712	15,740
USDA	2,290	2,314	2,465	2,810	3,113	3,236	3,053	2,632
Other	6,887	6,714	6,574	7,324	7,461	7,491	7,398	7,285
Institutional	31,476	31,505	34,186	36,349	36,600	36,822	36,289	36,703
Other nonfederal	13,413	14,539	15,591	16,181	16,372	15,317	15,394	16,141
Domestic	12,816	13,909	14,949	15,459	15,732	14,721	14,837	15,590
Foreign	597	630	642	722	640	596	557	551
Self-support	na	na	na	na	na	na	na	na
Teaching assistantships	63,198	63,328	64,976	67,242	69,476	69,165	70,230	71,562
Federal	876	1,270	955	1,096	1,338	1,316	1,471	1,443
DOD	na	na	na	na	na	na	na	na
DOE	16	34	27	41	48	58	78	80
HHS	203	277	244	250	324	268	311	325
NIH	196	261	213	203	283	245	273	290

TABLE 25. Full-time graduate students in science and engineering fields in all institutions, by primary mechanism and primary source of support: 1999–2006

Primary mechanism and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
Other HHS	7	16	31	47	41	23	38	35
NASA	9	11	34	26	34	31	51	46
NSF	121	137	187	217	286	285	381	412
USDA	60	68	46	46	80	67	53	73
Other	467	743	417	516	566	607	597	507
Institutional	61,631	61,099	63,093	65,060	67,091	66,890	67,809	69,182
Other nonfederal	691	959	928	1,086	1,047	959	950	937
Domestic	691	959	928	1,086	1,047	959	950	937
Foreign	na	na	na	na	na	na	na	na
Self-support	na	na	na	na	na	na	na	na
Traineeships	9,505	9,554	9,265	9,852	10,169	9,892	9,946	9,801
Federal	5,411	5,694	5,417	5,746	5,916	5,882	6,011	5,951
DOD	51	59	36	46	39	45	63	76
DOE	22	10	2	9	5	25	35	64
HHS	4,361	4,415	4,224	4,516	4,794	4,864	4,982	4,891
NIH	4,161	4,141	3,992	4,314	4,654	4,731	4,837	4,776
Other HHS	200	274	232	202	140	133	145	115
NASA	51	46	50	52	56	48	56	50
NSF	344	324	336	318	333	406	377	368
USDA	25	18	16	13	14	16	23	23
Other	557	822	753	792	675	478	475	479
Institutional	3,457	3,303	3,368	3,699	3,661	3,479	3,324	3,362
Other nonfederal	637	557	480	407	592	531	611	488
Domestic	537	412	348	341	504	429	549	420
Foreign	100	145	132	66	88	102	62	68
Self-support	na	na	na	na	na	na	na	na
Other types of support	97,947	101,609	106,465	114,743	120,309	121,799	121,270	127,569
Federal	3,474	3,241	3,387	3,377	3,773	4,371	4,444	5,100
DOD	1,467	1,405	1,408	1,048	1,599	1,977	2,159	2,153
DOE	48	63	64	50	45	56	38	42
HHS	550	508	542	576	631	676	696	901
NIH	419	448	496	527	547	608	614	817
Other HHS	131	60	46	49	84	68	82	84
NASA	38	76	60	63	45	22	38	37
NSF	121	171	149	195	197	190	206	258
USDA	57	48	32	68	90	75	63	127
Other	1,193	970	1,132	1,377	1,166	1,375	1,244	1,582
Institutional	9,716	9,553	10,850	11,041	12,126	13,534	12,999	14,298
Other nonfederal	4,278	4,516	3,935	3,760	3,708	3,336	3,328	3,150
Domestic	2,990	3,170	2,663	2,720	2,700	2,395	2,525	2,371
Foreign	1,288	1,346	1,272	1,040	1,008	941	803	779
Self-support	80,479	84,299	88,293	96,565	100,702	100,558	100,499	105,021

na = not applicable.

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 = U.S. Department of Agriculture.

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

TABLE 26. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	92,214	94,340	98,112	104,184	107,715	106,544	110,219	116,482
Science and engineering	75,447	78,332	82,411	86,827	89,331	86,565	89,038	94,413
Science	54,934	56,141	59,105	62,220	64,902	64,540	66,665	68,537
Agricultural sciences	2,253	2,335	2,338	2,320	2,424	2,316	2,260	2,206
Biological sciences	10,959	10,955	11,608	12,127	12,719	12,796	12,918	13,055
Anatomy	161	198	159	193	178	180	213	213
Biochemistry	896	929	851	880	958	907	930	992
Biology	2,521	2,282	2,376	2,532	2,610	2,740	2,826	2,994
Biometry/epidemiology	825	837	953	1,001	1,022	986	1,069	974
Biophysics	118	128	162	166	223	210	174	186
Botany	363	357	315	335	307	336	316	318
Cell biology	867	977	993	1,085	1,125	1,140	1,208	1,294
Ecology	251	280	348	317	345	302	314	294
Entomology/parasitology	179	185	202	203	175	211	153	169
Genetics	427	380	382	362	373	441	365	348
Microbiology/immunology/virology	904	823	884	914	909	889	868	853
Nutrition	834	830	906	890	895	843	863	905
Pathology	320	276	320	294	256	277	248	269
Pharmacology	487	549	507	554	552	510	466	469
Physiology	608	570	615	633	760	731	678	597
Zoology	263	230	247	231	258	212	199	179
Biological sciences, nec	935	1,124	1,388	1,537	1,773	1,881	2,028	2,001
Computer sciences	6,677	8,431	9,077	9,037	8,134	7,783	8,258	8,983
Earth, atmospheric, and ocean sciences	2,746	2,649	2,794	3,085	3,104	2,926	2,758	2,795
Atmospheric sciences	203	222	205	213	268	228	228	207
Geosciences	1,296	1,230	1,383	1,437	1,412	1,336	1,308	1,348
Oceanography	474	479	511	533	567	534	463	457
Earth/atmospheric/ocean sciences, nec	773	718	695	902	857	828	759	783
Mathematical sciences	3,271	3,419	3,686	3,918	4,185	4,252	4,196	4,342
Mathematics/applied mathematics	2,650	2,757	2,892	3,114	3,266	3,365	3,263	3,398
Statistics	621	662	794	804	919	887	933	944
Physical sciences	6,004	5,829	6,011	6,280	6,841	6,603	6,657	6,626
Astronomy	171	183	193	194	225	210	190	204
Chemistry	3,672	3,482	3,651	3,746	3,983	3,862	3,904	3,900
Physics	2,074	2,101	2,102	2,231	2,543	2,442	2,458	2,409
Physical sciences, nec	87	63	65	109	90	89	105	113
Psychology	8,305	7,545	7,691	8,420	8,858	9,478	10,358	10,224
Clinical psychology	1,992	1,829	1,731	1,898	1,986	2,251	2,318	2,201
Psychology, general	2,712	2,534	2,610	2,621	2,977	2,946	3,385	3,374
Psychology, nec	3,601	3,182	3,350	3,901	3,895	4,281	4,655	4,649
Social sciences	14,719	14,978	15,900	17,033	18,637	18,386	19,260	20,306
Agricultural economics	482	455	496	575	536	523	557	543
Anthropology (cultural/social)	1,193	1,157	1,119	1,177	1,279	1,187	1,243	1,314
Economics (except agricultural)	2,355	2,508	2,562	2,843	2,921	2,686	2,724	2,907
Geography	830	784	872	812	915	860	898	845
History and philosophy of science	91	78	72	97	107	107	138	121
Linguistics	422	454	495	466	588	570	633	577
Political science	4,837	5,142	5,562	6,241	6,950	7,333	7,807	8,319
Sociology	1,307	1,300	1,431	1,535	1,543	1,359	1,499	1,353
Sociology/anthropology	144	164	160	155	179	178	173	151
Social sciences, nec	3,058	2,936	3,131	3,132	3,619	3,583	3,588	4,176
Engineering	20,513	22,191	23,306	24,607	24,429	22,025	22,373	25,876
Aerospace engineering	727	775	767	712	845	834	804	943

TABLE 26. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	212	188	192	201	197	177	190	222
Biomedical engineering	724	915	884	1,125	1,327	1,274	1,267	1,472
Chemical engineering	1,491	1,595	1,541	1,616	1,600	1,392	1,293	1,429
Civil engineering	3,726	3,840	3,820	4,107	4,363	4,175	4,057	4,198
Electrical engineering	6,369	7,195	7,882	8,221	7,834	6,633	6,987	8,668
Engineering science	255	299	339	404	392	361	317	321
Industrial engineering	1,851	2,005	2,216	2,238	2,029	1,724	1,674	2,148
Mechanical engineering	3,119	3,269	3,583	3,709	3,476	3,129	3,225	3,734
Metallurgical/materials engineering	892	1,005	975	1,044	958	926	992	1,043
Mining engineering	45	48	40	41	73	64	58	50
Nuclear engineering	150	163	164	149	177	192	193	206
Petroleum engineering	149	149	153	198	166	151	161	174
Engineering, nec	803	745	750	842	992	993	1,155	1,268
Health fields	16,767	16,008	15,701	17,357	18,384	19,979	21,181	22,069
Clinical medicine	3,921	3,871	4,099	4,495	4,727	4,728	4,626	5,280
Anesthesiology	219	263	269	215	246	186	251	358
Cardiology	7	6	4	5	4	9	4	3
Endocrinology	7	2	4	12	9	4	10	7
Gastroenterology	0	2	0	0	6	4	3	0
Hematology	2	3	0	2	4	3	0	1
Neurology	345	341	366	443	452	426	425	454
Obstetrics/gynecology	0	2	2	5	0	3	4	9
Oncology/cancer research	44	38	45	46	30	52	43	45
Ophthalmology	2	4	12	1	60	76	80	92
Otorhinolaryngology	0	3	1	0	0	1	0	0
Pediatrics	114	151	132	134	131	125	100	110
Preventive medicine/community health	2,773	2,621	2,786	2,958	3,082	3,132	2,894	3,355
Psychiatry	16	28	18	25	27	41	34	32
Pulmonary disease	3	2	3	1	0	0	0	0
Radiology	41	31	61	59	55	36	48	60
Surgery	40	30	9	11	7	7	5	11
Clinical medicine, nec	308	344	387	578	614	623	725	743
Other health	12,846	12,137	11,602	12,862	13,657	15,251	16,555	16,789
Dental sciences	350	381	382	387	396	449	429	402
Nursing	2,955	2,700	2,442	2,799	3,083	3,352	3,948	3,944
Pharmaceutical sciences	597	605	521	513	537	1,024	1,246	1,036
Speech pathology/audiology	3,974	3,863	3,814	3,902	4,110	4,303	4,496	4,491
Veterinary sciences	169	270	359	385	374	324	343	378
Other health, nec	4,801	4,318	4,084	4,876	5,157	5,799	6,093	6,538

nec = not elsewhere classified.

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

TABLE 27. First-time, full-time U.S. citizens or permanent resident graduate students in science, engineering, and health fields in all institutions, by detailed field: 2001–06

Field	2001	2002	2003	2004	2005	2006
All surveyed fields	62,396	70,346	76,478	77,169	79,531	81,142
Science and engineering	48,207	54,625	59,649	58,853	60,157	60,978
Science	39,539	43,876	47,386	47,665	49,252	49,231
Agricultural sciences	1,845	1,856	1,971	1,870	1,828	1,764
Biological sciences	8,768	9,261	9,763	9,808	9,925	9,946
Anatomy	134	168	138	156	186	179
Biochemistry	530	561	627	564	601	669
Biology	1,883	2,052	2,139	2,248	2,247	2,340
Biometry/epidemiology	693	648	706	709	779	700
Biophysics	104	117	154	146	128	125
Botany	224	226	231	218	208	196
Cell biology	715	814	822	827	893	978
Ecology	303	280	291	261	282	256
Entomology/parasitology	144	163	142	163	118	125
Genetics	289	296	283	338	280	250
Microbiology/immunology/virology	660	686	718	671	681	708
Nutrition	668	673	678	614	651	688
Pathology	266	248	194	227	198	218
Pharmacology	350	417	415	385	323	353
Physiology	519	552	640	645	596	534
Zoology	216	194	221	182	161	153
Biological sciences, nec	1,070	1,166	1,364	1,454	1,593	1,474
Computer sciences	2,621	3,534	3,891	3,632	3,632	3,382
Earth, atmospheric, and ocean sciences	2,210	2,548	2,573	2,468	2,270	2,289
Atmospheric sciences	140	157	220	186	172	170
Geosciences	1,091	1,179	1,129	1,102	1,073	1,068
Oceanography	426	447	485	476	376	380
Earth/atmospheric/ocean sciences, nec	553	765	739	704	649	671
Mathematical sciences	2,030	2,311	2,527	2,632	2,561	2,522
Mathematics/applied mathematics	1,717	1,952	2,106	2,222	2,163	2,113
Statistics	313	359	421	410	398	409
Physical sciences	3,325	3,775	4,091	4,026	4,138	4,045
Astronomy	135	137	150	145	144	142
Chemistry	2,125	2,292	2,438	2,391	2,461	2,405
Physics	1,025	1,270	1,442	1,416	1,439	1,406
Physical sciences, nec	40	76	61	74	94	92
Psychology	7,167	7,902	8,285	8,944	9,800	9,645
Clinical psychology	1,634	1,806	1,898	2,167	2,227	2,107
Psychology, general	2,413	2,431	2,762	2,744	3,189	3,170
Psychology, nec	3,120	3,665	3,625	4,033	4,384	4,368
Social sciences	11,573	12,689	14,285	14,285	15,098	15,638
Agricultural economics	250	353	321	319	343	305
Anthropology (cultural/social)	985	1,028	1,142	1,068	1,131	1,170
Economics (except agricultural)	1,025	1,206	1,373	1,270	1,251	1,329
Geography	703	675	741	731	759	706
History and philosophy of science	62	90	95	97	115	109
Linguistics	294	305	405	381	440	417
Political science	4,291	4,949	5,561	5,974	6,475	6,670
Sociology	1,163	1,302	1,340	1,204	1,320	1,203
Sociology/anthropology	148	138	161	153	154	136
Social sciences, nec	2,652	2,643	3,146	3,088	3,110	3,593
Engineering	8,668	10,749	12,263	11,188	10,905	11,747
Aerospace engineering	348	396	536	537	508	616

TABLE 27. First-time, full-time U.S. citizens or permanent resident graduate students in science, engineering, and health fields in all institutions, by detailed field: 2001–06

Field	2001	2002	2003	2004	2005	2006
Agricultural engineering	106	118	118	96	94	104
Biomedical engineering	554	710	879	841	821	951
Chemical engineering	616	760	852	733	624	684
Civil engineering	1,989	2,250	2,595	2,591	2,492	2,650
Electrical engineering	1,985	2,679	3,127	2,458	2,430	2,305
Engineering science	164	228	231	225	177	173
Industrial engineering	590	781	832	755	690	933
Mechanical engineering	1,373	1,681	1,843	1,684	1,668	1,889
Metallurgical/materials engineering	410	502	479	454	482	545
Mining engineering	27	27	38	37	35	25
Nuclear engineering	76	99	114	138	143	160
Petroleum engineering	52	47	25	46	26	20
Engineering, nec	378	471	594	593	715	692
Health fields	14,189	15,721	16,829	18,316	19,374	20,164
Clinical medicine	3,455	3,769	4,050	4,059	4,006	4,563
Anesthesiology	269	215	238	186	249	356
Cardiology	0	2	2	6	2	2
Endocrinology	2	8	5	4	10	6
Gastroenterology	0	0	6	4	3	0
Hematology	0	2	3	3	0	1
Neurology	284	364	371	358	345	361
Obstetrics/gynecology	2	5	0	2	0	8
Oncology/cancer research	38	40	26	42	34	36
Ophthalmology	7	1	59	72	78	89
Otorhinolaryngology	1	0	0	1	0	0
Pediatrics	114	113	116	109	77	94
Preventive medicine/community health	2,308	2,416	2,595	2,631	2,459	2,817
Psychiatry	18	23	27	38	34	30
Pulmonary disease	3	1	0	0	0	0
Radiology	51	43	46	29	41	48
Surgery	9	10	7	6	4	11
Clinical medicine, nec	349	526	549	568	670	704
Other health	10,734	11,952	12,779	14,257	15,368	15,601
Dental sciences	312	301	325	397	354	330
Nursing	2,362	2,723	3,003	3,282	3,857	3,863
Pharmaceutical sciences	246	257	294	656	821	639
Speech pathology/audiology	3,699	3,782	4,000	4,183	4,365	4,344
Veterinary sciences	289	313	313	260	274	304
Other health, nec	3,826	4,576	4,844	5,479	5,697	6,121

nec = not elsewhere classified.

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

TABLE 28. First-time, full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 2001–06

Field	2001	2002	2003	2004	2005	2006
All surveyed fields	35,716	33,838	31,237	29,375	30,688	35,340
Science and engineering	34,204	32,202	29,682	27,712	28,881	33,435
Science	19,566	18,344	17,516	16,875	17,413	19,306
Agricultural sciences	493	464	453	446	432	442
Biological sciences	2,840	2,866	2,956	2,988	2,993	3,109
Anatomy	25	25	40	24	27	34
Biochemistry	321	319	331	343	329	323
Biology	493	480	471	492	579	654
Biometry/epidemiology	260	353	316	277	290	274
Biophysics	58	49	69	64	46	61
Botany	91	109	76	118	108	122
Cell biology	278	271	303	313	315	316
Ecology	45	37	54	41	32	38
Entomology/parasitology	58	40	33	48	35	44
Genetics	93	66	90	103	85	98
Microbiology/immunology/virology	224	228	191	218	187	145
Nutrition	238	217	217	229	212	217
Pathology	54	46	62	50	50	51
Pharmacology	157	137	137	125	143	116
Physiology	96	81	120	86	82	63
Zoology	31	37	37	30	38	26
Biological sciences, nec	318	371	409	427	435	527
Computer sciences	6,456	5,503	4,243	4,151	4,626	5,601
Earth, atmospheric, and ocean sciences	584	537	531	458	488	506
Atmospheric sciences	65	56	48	42	56	37
Geosciences	292	258	283	234	235	280
Oceanography	85	86	82	58	87	77
Earth/atmospheric/ocean sciences, nec	142	137	118	124	110	112
Mathematical sciences	1,656	1,607	1,658	1,620	1,635	1,820
Mathematics/applied mathematics	1,175	1,162	1,160	1,143	1,100	1,285
Statistics	481	445	498	477	535	535
Physical sciences	2,686	2,505	2,750	2,577	2,519	2,581
Astronomy	58	57	75	65	46	62
Chemistry	1,526	1,454	1,545	1,471	1,443	1,495
Physics	1,077	961	1,101	1,026	1,019	1,003
Physical sciences, nec	25	33	29	15	11	21
Psychology	524	518	573	534	558	579
Clinical psychology	97	92	88	84	91	94
Psychology, general	197	190	215	202	196	204
Psychology, nec	230	236	270	248	271	281
Social sciences	4,327	4,344	4,352	4,101	4,162	4,668
Agricultural economics	246	222	215	204	214	238
Anthropology (cultural/social)	134	149	137	119	112	144
Economics (except agricultural)	1,537	1,637	1,548	1,416	1,473	1,578
Geography	169	137	174	129	139	139
History and philosophy of science	10	7	12	10	23	12
Linguistics	201	161	183	189	193	160
Political science	1,271	1,292	1,389	1,359	1,332	1,649
Sociology	268	233	203	155	179	150
Sociology/anthropology	12	17	18	25	19	15
Social sciences, nec	479	489	473	495	478	583
Engineering	14,638	13,858	12,166	10,837	11,468	14,129
Aerospace engineering	419	316	309	297	296	327

TABLE 28. First-time, full-time graduate students with temporary visas in science, engineering, and health fields in all institutions, by detailed field: 2001–06

Field	2001	2002	2003	2004	2005	2006
Agricultural engineering	86	83	79	81	96	118
Biomedical engineering	330	415	448	433	446	521
Chemical engineering	925	856	748	659	669	745
Civil engineering	1,831	1,857	1,768	1,584	1,565	1,548
Electrical engineering	5,897	5,542	4,707	4,175	4,557	6,363
Engineering science	175	176	161	136	140	148
Industrial engineering	1,626	1,457	1,197	969	984	1,215
Mechanical engineering	2,210	2,028	1,633	1,445	1,557	1,845
Metallurgical/materials engineering	565	542	479	472	510	498
Mining engineering	13	14	35	27	23	25
Nuclear engineering	88	50	63	54	50	46
Petroleum engineering	101	151	141	105	135	154
Engineering, nec	372	371	398	400	440	576
Health fields	1,512	1,636	1,555	1,663	1,807	1,905
Clinical medicine	644	726	677	669	620	717
Anesthesiology	0	0	8	0	2	2
Cardiology	4	3	2	3	2	1
Endocrinology	2	4	4	0	0	1
Gastroenterology	0	0	0	0	0	0
Hematology	0	0	1	0	0	0
Neurology	82	79	81	68	80	93
Obstetrics/gynecology	0	0	0	1	4	1
Oncology/cancer research	7	6	4	10	9	9
Ophthalmology	5	0	1	4	2	3
Otorhinolaryngology	0	0	0	0	0	0
Pediatrics	18	21	15	16	23	16
Preventive medicine/community health	478	542	487	501	435	538
Psychiatry	0	2	0	3	0	2
Pulmonary disease	0	0	0	0	0	0
Radiology	10	16	9	7	7	12
Surgery	0	1	0	1	1	0
Clinical medicine, nec	38	52	65	55	55	39
Other health	868	910	878	994	1,187	1,188
Dental sciences	70	86	71	52	75	72
Nursing	80	76	80	70	91	81
Pharmaceutical sciences	275	256	243	368	425	397
Speech pathology/audiology	115	120	110	120	131	147
Veterinary sciences	70	72	61	64	69	74
Other health, nec	258	300	313	320	396	417

nec = not elsewhere classified.

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

TABLE 29. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2001–06

Field, citizenship, and race/ethnicity	2001	2002	2003	2004	2005	2006
All surveyed fields	98,112	104,184	107,715	106,544	110,219	116,482
U.S. citizens and permanent residents	62,396	70,346	76,478	77,169	79,531	81,142
American Indian/Alaska Native	369	362	403	430	423	479
Asian/Pacific Islander	5,335	6,586	7,107	7,089	7,274	7,453
Black, non-Hispanic	4,036	4,499	4,897	5,420	5,447	5,558
Hispanic	3,492	3,953	4,462	4,553	5,037	5,268
White, non-Hispanic	45,102	50,217	53,560	53,333	54,349	55,020
Other or unknown	4,062	4,729	6,049	6,344	7,001	7,364
Temporary visa holders	35,716	33,838	31,237	29,375	30,688	35,340
Science and engineering	82,411	86,827	89,331	86,565	89,038	94,413
U.S. citizens and permanent residents	48,207	54,625	59,649	58,853	60,157	60,978
American Indian/Alaska Native	296	272	318	342	332	390
Asian/Pacific Islander	4,275	5,348	5,788	5,566	5,621	5,761
Black, non-Hispanic	3,020	3,341	3,584	3,832	3,929	4,006
Hispanic	2,626	3,020	3,313	3,421	3,802	3,928
White, non-Hispanic	34,664	38,769	41,619	40,617	40,955	40,988
Other or unknown	3,326	3,875	5,027	5,075	5,518	5,905
Temporary visa holders	34,204	32,202	29,682	27,712	28,881	33,435
Science	59,105	62,220	64,902	64,540	66,665	68,537
U.S. citizens and permanent residents	39,539	43,876	47,386	47,665	49,252	49,231
American Indian/Alaska Native	258	232	267	299	293	331
Asian/Pacific Islander	3,038	3,592	3,851	3,966	4,080	4,066
Black, non-Hispanic	2,617	2,858	3,080	3,316	3,405	3,394
Hispanic	2,146	2,468	2,634	2,772	3,153	3,215
White, non-Hispanic	28,737	31,480	33,551	33,008	33,725	33,440
Other or unknown	2,743	3,246	4,003	4,304	4,596	4,785
Temporary visa holders	19,566	18,344	17,516	16,875	17,413	19,306
Agricultural sciences	2,338	2,320	2,424	2,316	2,260	2,206
U.S. citizens and permanent residents	1,845	1,856	1,971	1,870	1,828	1,764
American Indian/Alaska Native	11	16	15	20	14	16
Asian/Pacific Islander	51	50	55	59	64	55
Black, non-Hispanic	65	64	105	74	104	67
Hispanic	65	69	78	93	86	95
White, non-Hispanic	1,560	1,571	1,638	1,528	1,457	1,421
Other or unknown	93	86	80	96	103	110
Temporary visa holders	493	464	453	446	432	442
Biological sciences	11,608	12,127	12,719	12,796	12,918	13,055
U.S. citizens and permanent residents	8,768	9,261	9,763	9,808	9,925	9,946
American Indian/Alaska Native	42	29	56	44	44	68
Asian/Pacific Islander	923	988	1,126	1,224	1,195	1,230
Black, non-Hispanic	472	457	503	612	613	604
Hispanic	487	524	537	544	632	630
White, non-Hispanic	6,368	6,789	6,928	6,811	6,742	6,731
Other or unknown	476	474	613	573	699	683
Temporary visa holders	2,840	2,866	2,956	2,988	2,993	3,109
Computer sciences	9,077	9,037	8,134	7,783	8,258	8,983
U.S. citizens and permanent residents	2,621	3,534	3,891	3,632	3,632	3,382
American Indian/Alaska Native	11	11	13	13	11	16
Asian/Pacific Islander	553	830	736	645	608	516
Black, non-Hispanic	142	191	207	221	206	193
Hispanic	70	102	121	142	149	147
White, non-Hispanic	1,578	2,046	2,399	2,159	2,240	2,097
Other or unknown	267	354	415	452	418	413
Temporary visa holders	6,456	5,503	4,243	4,151	4,626	5,601

TABLE 29. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2001–06

Field, citizenship, and race/ethnicity	2001	2002	2003	2004	2005	2006
Earth, atmospheric, and ocean sciences	2,794	3,085	3,104	2,926	2,758	2,795
U.S. citizens and permanent residents	2,210	2,548	2,573	2,468	2,270	2,289
American Indian/Alaska Native	17	17	7	19	13	17
Asian/Pacific Islander	71	77	66	83	73	81
Black, non-Hispanic	38	49	51	38	48	42
Hispanic	67	90	87	93	90	100
White, non-Hispanic	1,935	2,164	2,175	2,069	1,917	1,904
Other or unknown	82	151	187	166	129	145
Temporary visa holders	584	537	531	458	488	506
Mathematical sciences	3,686	3,918	4,185	4,252	4,196	4,342
U.S. citizens and permanent residents	2,030	2,311	2,527	2,632	2,561	2,522
American Indian/Alaska Native	5	3	5	9	6	16
Asian/Pacific Islander	181	234	269	282	267	288
Black, non-Hispanic	87	118	130	141	133	128
Hispanic	87	88	97	96	115	105
White, non-Hispanic	1,569	1,722	1,848	1,913	1,866	1,796
Other or unknown	101	146	178	191	174	189
Temporary visa holders	1,656	1,607	1,658	1,620	1,635	1,820
Physical sciences	6,011	6,280	6,841	6,603	6,657	6,626
U.S. citizens and permanent residents	3,325	3,775	4,091	4,026	4,138	4,045
American Indian/Alaska Native	15	20	14	16	16	31
Asian/Pacific Islander	241	237	293	306	326	351
Black, non-Hispanic	161	168	186	193	168	154
Hispanic	153	193	217	209	208	204
White, non-Hispanic	2,557	2,935	3,113	3,034	3,175	2,981
Other or unknown	198	222	268	268	245	324
Temporary visa holders	2,686	2,505	2,750	2,577	2,519	2,581
Psychology	7,691	8,420	8,858	9,478	10,358	10,224
U.S. citizens and permanent residents	7,167	7,902	8,285	8,944	9,800	9,645
American Indian/Alaska Native	50	49	57	61	44	52
Asian/Pacific Islander	330	357	394	466	482	526
Black, non-Hispanic	530	562	581	651	755	746
Hispanic	416	556	585	634	741	801
White, non-Hispanic	5,251	5,793	5,971	6,086	6,482	6,415
Other or unknown	590	585	697	1,046	1,296	1,105
Temporary visa holders	524	518	573	534	558	579
Social sciences	15,900	17,033	18,637	18,386	19,260	20,306
U.S. citizens and permanent residents	11,573	12,689	14,285	14,285	15,098	15,638
American Indian/Alaska Native	107	87	100	117	145	115
Asian/Pacific Islander	688	819	912	901	1,065	1,019
Black, non-Hispanic	1,122	1,249	1,317	1,386	1,378	1,460
Hispanic	801	846	912	961	1,132	1,133
White, non-Hispanic	7,919	8,460	9,479	9,408	9,846	10,095
Other or unknown	936	1,228	1,565	1,512	1,532	1,816
Temporary visa holders	4,327	4,344	4,352	4,101	4,162	4,668
Engineering	23,306	24,607	24,429	22,025	22,373	25,876
U.S. citizens and permanent residents	8,668	10,749	12,263	11,188	10,905	11,747
American Indian/Alaska Native	38	40	51	43	39	59
Asian/Pacific Islander	1,237	1,756	1,937	1,600	1,541	1,695
Black, non-Hispanic	403	483	504	516	524	612
Hispanic	480	552	679	649	649	713
White, non-Hispanic	5,927	7,289	8,068	7,609	7,230	7,548
Other or unknown	583	629	1,024	771	922	1,120
Temporary visa holders	14,638	13,858	12,166	10,837	11,468	14,129

TABLE 29. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2001–06

Field, citizenship, and race/ethnicity	2001	2002	2003	2004	2005	2006
Chemical engineering	1,541	1,616	1,600	1,392	1,293	1,429
U.S. citizens and permanent residents	616	760	852	733	624	684
American Indian/Alaska Native	4	9	2	3	3	4
Asian/Pacific Islander	94	125	127	79	82	105
Black, non-Hispanic	31	36	37	30	28	21
Hispanic	31	52	71	44	44	56
White, non-Hispanic	434	510	576	556	432	457
Other or unknown	22	28	39	21	35	41
Temporary visa holders	925	856	748	659	669	745
Civil engineering	3,820	4,107	4,363	4,175	4,057	4,198
U.S. citizens and permanent residents	1,989	2,250	2,595	2,591	2,492	2,650
American Indian/Alaska Native	7	11	7	11	9	17
Asian/Pacific Islander	180	211	218	225	203	235
Black, non-Hispanic	72	59	47	84	74	117
Hispanic	155	139	175	148	157	184
White, non-Hispanic	1,470	1,701	1,970	1,962	1,863	1,861
Other or unknown	105	129	178	161	186	236
Temporary visa holders	1,831	1,857	1,768	1,584	1,565	1,548
Electrical engineering	7,882	8,221	7,834	6,633	6,987	8,668
U.S. citizens and permanent residents	1,985	2,679	3,127	2,458	2,430	2,305
American Indian/Alaska Native	5	5	13	6	6	7
Asian/Pacific Islander	444	743	864	582	582	534
Black, non-Hispanic	108	130	136	121	124	151
Hispanic	93	144	157	162	157	139
White, non-Hispanic	1,144	1,480	1,617	1,383	1,318	1,201
Other or unknown	191	177	340	204	243	273
Temporary visa holders	5,897	5,542	4,707	4,175	4,557	6,363
Industrial engineering	2,216	2,238	2,029	1,724	1,674	2,148
U.S. citizens and permanent residents	590	781	832	755	690	933
American Indian/Alaska Native	8	0	4	5	5	7
Asian/Pacific Islander	65	111	124	82	93	113
Black, non-Hispanic	50	79	76	73	70	94
Hispanic	34	41	43	73	51	74
White, non-Hispanic	392	514	512	452	404	521
Other or unknown	41	36	73	70	67	124
Temporary visa holders	1,626	1,457	1,197	969	984	1,215
Mechanical engineering	3,583	3,709	3,476	3,129	3,225	3,734
U.S. citizens and permanent residents	1,373	1,681	1,843	1,684	1,668	1,889
American Indian/Alaska Native	6	6	8	8	4	10
Asian/Pacific Islander	166	184	204	165	166	201
Black, non-Hispanic	60	66	70	58	69	64
Hispanic	84	86	108	96	102	104
White, non-Hispanic	983	1,244	1,322	1,242	1,222	1,357
Other or unknown	74	95	131	115	105	153
Temporary visa holders	2,210	2,028	1,633	1,445	1,557	1,845
Other engineering	4,264	4,716	5,127	4,972	5,137	5,699
U.S. citizens and permanent residents	2,115	2,598	3,014	2,967	3,001	3,286
American Indian/Alaska Native	8	9	17	10	12	14
Asian/Pacific Islander	288	382	400	467	415	507
Black, non-Hispanic	82	113	138	150	159	165
Hispanic	83	90	125	126	138	156
White, non-Hispanic	1,504	1,840	2,071	2,014	1,991	2,151
Other or unknown	150	164	263	200	286	293
Temporary visa holders	2,149	2,118	2,113	2,005	2,136	2,413

TABLE 29. First-time, full-time graduate students in science, engineering, and health fields in all institutions, by field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2001–06

Field, citizenship, and race/ethnicity	2001	2002	2003	2004	2005	2006
Health fields	15,701	17,357	18,384	19,979	21,181	22,069
U.S. citizens and permanent residents	14,189	15,721	16,829	18,316	19,374	20,164
American Indian/Alaska Native	73	90	85	88	91	89
Asian/Pacific Islander	1,060	1,238	1,319	1,523	1,653	1,692
Black, non-Hispanic	1,016	1,158	1,313	1,588	1,518	1,552
Hispanic	866	933	1,149	1,132	1,235	1,340
White, non-Hispanic	10,438	11,448	11,941	12,716	13,394	14,032
Other or unknown	736	854	1,022	1,269	1,483	1,459
Temporary visa holders	1,512	1,636	1,555	1,663	1,807	1,905

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

TABLE 30. Graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
All surveyed fields	597,643	2,689	37,863	34,866	30,510	299,275	41,422	151,018
Science and engineering	486,287	2,112	30,179	25,664	24,140	227,993	33,515	142,684
Science	363,246	1,822	21,000	22,092	19,759	184,700	26,532	87,341
Agricultural sciences	13,016	85	338	453	535	8,384	546	2,675
Biological sciences	69,941	310	5,709	3,071	3,289	37,163	3,492	16,907
Anatomy	961	2	85	40	51	523	45	215
Biochemistry	5,824	22	466	180	254	2,629	186	2,087
Biology	16,463	67	1,038	840	932	9,349	1,005	3,232
Biometry/epidemiology	4,789	18	587	276	193	2,208	271	1,236
Biophysics	1,203	7	113	29	32	592	45	385
Botany	1,850	12	84	24	61	904	63	702
Cell biology	6,553	32	702	208	326	3,129	332	1,824
Ecology	2,162	10	62	27	80	1,556	170	257
Entomology/parasitology	1,114	8	30	19	42	689	36	290
Genetics	2,154	11	173	66	62	1,146	98	598
Microbiology/immunology/virology	5,324	21	507	259	308	2,890	240	1,099
Nutrition	5,042	13	297	263	205	2,809	263	1,192
Pathology	1,612	4	166	78	59	919	66	320
Pharmacology	2,985	22	330	164	145	1,469	113	742
Physiology	2,416	10	324	108	115	1,270	126	463
Zoology	1,145	12	29	12	27	829	39	197
Biological sciences, nec	8,344	39	716	478	397	4,252	394	2,068
Computer sciences	47,653	105	4,222	1,774	1,207	15,943	3,424	20,978
Earth, atmospheric, and ocean sciences	14,920	69	389	263	540	10,116	776	2,767
Atmospheric sciences	1,079	1	35	26	30	690	39	258
Geosciences	7,177	36	141	71	217	4,896	388	1,428
Oceanography	2,770	11	57	41	151	1,898	109	503
Earth/atmospheric/ocean sciences, nec	3,894	21	156	125	142	2,632	240	578
Mathematical sciences	20,815	59	1,413	711	695	9,201	1,140	7,596
Mathematics/applied mathematics	16,649	55	1,087	607	621	7,917	1,003	5,359
Statistics	4,166	4	326	104	74	1,284	137	2,237
Physical sciences	36,901	118	1,753	1,009	1,256	16,325	1,683	14,757
Astronomy	1,211	8	54	11	27	683	62	366
Chemistry	21,351	78	1,173	732	823	9,314	930	8,301
Physics	13,722	26	500	229	374	5,937	656	6,000
Physical sciences, nec	617	6	26	37	32	391	35	90
Psychology	57,653	344	2,612	5,089	5,222	35,045	6,490	2,851
Clinical psychology	13,947	83	663	870	1,731	8,610	1,549	441
Psychology, general	16,622	105	860	1,536	1,293	10,545	1,267	1,016
Psychology, nec	27,084	156	1,089	2,683	2,198	15,890	3,674	1,394
Social sciences	102,347	732	4,564	9,722	7,015	52,523	8,981	18,810
Agricultural economics	2,158	15	52	67	53	911	78	982
Anthropology (cultural/social)	8,150	145	311	278	491	5,287	713	925
Economics (except agricultural)	12,132	18	600	355	353	3,768	540	6,498
Geography	4,750	34	166	154	154	3,220	259	763
History and philosophy of science	968	8	35	31	64	673	70	87
Linguistics	3,074	21	177	46	125	1,503	252	950
Political science	41,784	241	1,970	5,063	3,235	21,242	4,726	5,307
Sociology	9,035	58	422	1,043	665	5,066	499	1,282
Sociology/anthropology	837	7	11	97	56	531	38	97
Social sciences, nec	19,459	185	820	2,588	1,819	10,322	1,806	1,919

TABLE 30. Graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
Engineering	123,041	290	9,179	3,572	4,381	43,293	6,983	55,343
Aerospace engineering	4,482	10	312	79	136	1,969	492	1,484
Agricultural engineering	1,073	5	34	27	16	425	17	549
Biomedical engineering	6,482	18	877	204	237	2,626	336	2,184
Chemical engineering	7,261	20	496	149	277	2,556	187	3,576
Civil engineering	17,802	62	957	508	967	7,971	956	6,381
Electrical engineering	38,265	46	3,414	828	1,044	8,875	1,959	22,099
Engineering science	2,046	9	159	44	46	830	82	876
Industrial engineering	13,829	55	1,010	763	664	5,586	1,171	4,580
Mechanical engineering	17,919	32	940	419	621	7,337	856	7,714
Metallurgical/materials engineering	5,268	8	337	129	98	1,926	192	2,578
Mining engineering	244	1	1	3	5	108	11	115
Nuclear engineering	1,099	2	45	18	60	603	52	319
Petroleum engineering	813	0	15	24	22	117	17	618
Engineering, nec	6,458	22	582	377	188	2,364	655	2,270
Health fields	111,356	577	7,684	9,202	6,370	71,282	7,907	8,334
Clinical medicine	23,441	122	2,339	2,311	1,741	11,857	2,264	2,807
Anesthesiology	1,370	7	71	82	22	1,059	117	12
Cardiology	32	0	2	1	0	13	0	16
Endocrinology	42	0	4	2	3	23	0	10
Gastroenterology	18	0	3	1	0	10	3	1
Hematology	14	0	2	0	0	10	0	2
Neurology	2,981	12	301	124	138	1,650	149	607
Obstetrics/gynecology	54	0	9	2	4	36	0	3
Oncology/cancer research	341	0	35	9	15	208	3	71
Ophthalmology	414	2	158	3	14	183	36	18
Otorhinolaryngology	14	0	5	1	0	7	0	1
Pediatrics	284	3	27	26	9	148	17	54
Preventive medicine/community health	14,320	81	1,323	1,833	1,211	6,691	1,491	1,690
Psychiatry	274	1	7	11	71	153	21	10
Pulmonary disease	10	1	1	0	1	6	0	1
Radiology	288	6	30	11	13	151	12	65
Surgery	105	0	21	5	2	72	3	2
Clinical medicine, nec	2,880	9	340	200	238	1,437	412	244
Other health	87,915	455	5,345	6,891	4,629	59,425	5,643	5,527
Dental sciences	1,614	3	198	43	82	931	53	304
Nursing	35,846	233	1,954	3,294	1,798	25,500	2,365	702
Pharmaceutical sciences	6,315	16	1,012	591	226	2,208	344	1,918
Speech pathology/audiology	14,847	66	423	650	902	11,394	890	522
Veterinary sciences	2,067	7	75	69	44	1,314	86	472
Other health, nec	27,226	130	1,683	2,244	1,577	18,078	1,905	1,609

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 31. Male graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
All surveyed fields	299,818	1,096	18,503	11,450	12,681	137,216	19,638	99,234
Science and engineering	275,181	979	16,413	9,780	11,301	123,478	17,832	95,398
Science	180,084	761	9,830	7,337	8,115	89,186	12,322	52,533
Agricultural sciences	6,717	39	165	152	258	4,314	256	1,533
Biological sciences	30,572	128	2,354	948	1,363	16,391	1,546	7,842
Anatomy	474	2	50	14	22	264	25	97
Biochemistry	3,012	13	218	68	122	1,426	102	1,063
Biology	7,407	26	400	302	401	4,337	475	1,466
Biometry/epidemiology	1,804	6	215	73	72	769	122	547
Biophysics	798	4	70	16	24	406	33	245
Botany	888	9	26	8	26	442	32	345
Cell biology	3,023	12	286	61	144	1,514	158	848
Ecology	938	2	21	9	27	671	79	129
Entomology/parasitology	596	4	12	7	19	349	15	190
Genetics	837	5	77	16	28	416	44	251
Microbiology/immunology/virology	2,274	9	210	82	118	1,288	112	455
Nutrition	1,101	1	57	45	35	520	34	409
Pathology	631	0	60	16	30	338	24	163
Pharmacology	1,321	10	145	59	68	669	42	328
Physiology	1,141	3	144	34	51	639	58	212
Zoology	559	5	14	2	17	409	21	91
Biological sciences, nec	3,768	17	349	136	159	1,934	170	1,003
Computer sciences	35,591	78	2,922	1,052	936	12,362	2,584	15,657
Earth, atmospheric, and ocean sciences	7,916	43	173	118	229	5,286	406	1,661
Atmospheric sciences	712	1	21	18	16	468	26	162
Geosciences	4,096	23	67	38	98	2,760	220	890
Oceanography	1,273	5	24	11	64	829	51	289
Earth/atmospheric/ocean sciences, nec	1,835	14	61	51	51	1,229	109	320
Mathematical sciences	13,122	37	784	364	449	5,941	787	4,760
Mathematics/applied mathematics	10,877	35	623	312	408	5,166	692	3,641
Statistics	2,245	2	161	52	41	775	95	1,119
Physical sciences	24,896	69	1,022	503	766	11,233	1,181	10,122
Astronomy	804	3	36	6	14	439	36	270
Chemistry	12,707	42	594	306	423	5,721	578	5,043
Physics	11,012	20	377	171	308	4,843	544	4,749
Physical sciences, nec	373	4	15	20	21	230	23	60
Psychology	13,950	83	575	925	1,192	8,913	1,466	796
Clinical psychology	3,104	29	121	151	358	2,038	318	89
Psychology, general	4,633	21	228	313	345	3,054	343	329
Psychology, nec	6,213	33	226	461	489	3,821	805	378
Social sciences	47,320	284	1,835	3,275	2,922	24,746	4,096	10,162
Agricultural economics	1,249	6	26	35	33	550	40	559
Anthropology (cultural/social)	2,935	54	87	53	174	1,907	249	411
Economics (except agricultural)	7,789	13	322	203	259	2,613	375	4,004
Geography	2,748	21	88	80	86	1,887	138	448
History and philosophy of science	540	1	21	16	35	378	37	52
Linguistics	1,088	10	50	12	42	562	95	317
Political science	19,545	94	779	1,729	1,351	10,549	2,207	2,836
Sociology	3,242	24	137	305	265	1,812	176	523
Sociology/anthropology	290	3	3	26	15	186	17	40
Social sciences, nec	7,894	58	322	816	662	4,302	762	972

TABLE 31. Male graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
Engineering	95,097	218	6,583	2,443	3,186	34,292	5,510	42,865
Aerospace engineering	3,773	9	250	61	112	1,643	430	1,268
Agricultural engineering	723	2	23	14	4	285	13	382
Biomedical engineering	3,996	13	504	97	140	1,635	207	1,400
Chemical engineering	5,102	15	290	93	154	1,885	131	2,534
Civil engineering	12,379	43	588	327	636	5,511	657	4,617
Electrical engineering	31,239	42	2,700	648	865	7,969	1,627	17,388
Engineering science	1,595	6	114	33	43	662	62	675
Industrial engineering	10,363	38	715	467	450	4,338	915	3,440
Mechanical engineering	15,434	28	744	344	504	6,367	720	6,727
Metallurgical/materials engineering	3,878	4	238	68	64	1,443	142	1,919
Mining engineering	201	1	1	3	5	82	10	99
Nuclear engineering	885	2	33	10	53	493	43	251
Petroleum engineering	678	0	13	21	15	98	14	517
Engineering, nec	4,851	15	370	257	141	1,881	539	1,648
Health fields	24,637	117	2,090	1,670	1,380	13,738	1,806	3,836
Clinical medicine	7,908	31	784	574	484	3,854	755	1,426
Anesthesiology	465	1	17	18	10	366	48	5
Cardiology	21	0	1	0	0	8	0	12
Endocrinology	21	0	4	1	2	10	0	4
Gastroenterology	8	0	1	0	0	5	1	1
Hematology	10	0	2	0	0	6	0	2
Neurology	1,410	6	138	57	65	768	68	308
Obstetrics/gynecology	21	0	4	0	3	12	0	2
Oncology/cancer research	146	0	18	2	6	83	2	35
Ophthalmology	134	0	29	0	6	75	15	9
Otorhinolaryngology	7	0	3	0	0	4	0	0
Pediatrics	48	0	5	3	2	16	1	21
Preventive medicine/community health	4,207	17	376	436	290	1,826	404	858
Psychiatry	55	0	4	1	17	27	3	3
Pulmonary disease	6	0	0	0	0	5	0	1
Radiology	148	4	14	4	5	76	7	38
Surgery	64	0	12	2	1	44	3	2
Clinical medicine, nec	1,137	3	156	50	77	523	203	125
Other health	16,729	86	1,306	1,096	896	9,884	1,051	2,410
Dental sciences	928	2	95	18	35	579	28	171
Nursing	3,307	25	244	236	253	2,194	233	122
Pharmaceutical sciences	2,783	8	378	208	72	946	154	1,017
Speech pathology/audiology	997	4	34	47	67	692	68	85
Veterinary sciences	758	0	30	24	15	397	28	264
Other health, nec	7,956	47	525	563	454	5,076	540	751

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 32. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
All surveyed fields	297,825	1,593	19,360	23,416	17,829	162,059	21,784	51,784
Science and engineering	211,106	1,133	13,766	15,884	12,839	104,515	15,683	47,286
Science	183,162	1,061	11,170	14,755	11,644	95,514	14,210	34,808
Agricultural sciences	6,299	46	173	301	277	4,070	290	1,142
Biological sciences	39,369	182	3,355	2,123	1,926	20,772	1,946	9,065
Anatomy	487	0	35	26	29	259	20	118
Biochemistry	2,812	9	248	112	132	1,203	84	1,024
Biology	9,056	41	638	538	531	5,012	530	1,766
Biometry/epidemiology	2,985	12	372	203	121	1,439	149	689
Biophysics	405	3	43	13	8	186	12	140
Botany	962	3	58	16	35	462	31	357
Cell biology	3,530	20	416	147	182	1,615	174	976
Ecology	1,224	8	41	18	53	885	91	128
Entomology/parasitology	518	4	18	12	23	340	21	100
Genetics	1,317	6	96	50	34	730	54	347
Microbiology/immunology/virology	3,050	12	297	177	190	1,602	128	644
Nutrition	3,941	12	240	218	170	2,289	229	783
Pathology	981	4	106	62	29	581	42	157
Pharmacology	1,664	12	185	105	77	800	71	414
Physiology	1,275	7	180	74	64	631	68	251
Zoology	586	7	15	10	10	420	18	106
Biological sciences, nec	4,576	22	367	342	238	2,318	224	1,065
Computer sciences	12,062	27	1,300	722	271	3,581	840	5,321
Earth, atmospheric, and ocean sciences	7,004	26	216	145	311	4,830	370	1,106
Atmospheric sciences	367	0	14	8	14	222	13	96
Geosciences	3,081	13	74	33	119	2,136	168	538
Oceanography	1,497	6	33	30	87	1,069	58	214
Earth/atmospheric/ocean sciences, nec	2,059	7	95	74	91	1,403	131	258
Mathematical sciences	7,693	22	629	347	246	3,260	353	2,836
Mathematics/applied mathematics	5,772	20	464	295	213	2,751	311	1,718
Statistics	1,921	2	165	52	33	509	42	1,118
Physical sciences	12,005	49	731	506	490	5,092	502	4,635
Astronomy	407	5	18	5	13	244	26	96
Chemistry	8,644	36	579	426	400	3,593	352	3,258
Physics	2,710	6	123	58	66	1,094	112	1,251
Physical sciences, nec	244	2	11	17	11	161	12	30
Psychology	43,703	261	2,037	4,164	4,030	26,132	5,024	2,055
Clinical psychology	10,843	54	542	719	1,373	6,572	1,231	352
Psychology, general	11,989	84	632	1,223	948	7,491	924	687
Psychology, nec	20,871	123	863	2,222	1,709	12,069	2,869	1,016
Social sciences	55,027	448	2,729	6,447	4,093	27,777	4,885	8,648
Agricultural economics	909	9	26	32	20	361	38	423
Anthropology (cultural/social)	5,215	91	224	225	317	3,380	464	514
Economics (except agricultural)	4,343	5	278	152	94	1,155	165	2,494
Geography	2,002	13	78	74	68	1,333	121	315
History and philosophy of science	428	7	14	15	29	295	33	35
Linguistics	1,986	11	127	34	83	941	157	633
Political science	22,239	147	1,191	3,334	1,884	10,693	2,519	2,471
Sociology	5,793	34	285	738	400	3,254	323	759
Sociology/anthropology	547	4	8	71	41	345	21	57
Social sciences, nec	11,565	127	498	1,772	1,157	6,020	1,044	947

TABLE 32. Female graduate students in science, engineering, and health fields in all institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	U.S. citizens and permanent residents							
	Total	American Indian/	Asian/Pacific	Black, non-	White, non-		Other or	Temporary
		Alaska Native	Islander	Hispanic	Hispanic	Hispanic	unknown	
Engineering	27,944	72	2,596	1,129	1,195	9,001	1,473	12,478
Aerospace engineering	709	1	62	18	24	326	62	216
Agricultural engineering	350	3	11	13	12	140	4	167
Biomedical engineering	2,486	5	373	107	97	991	129	784
Chemical engineering	2,159	5	206	56	123	671	56	1,042
Civil engineering	5,423	19	369	181	331	2,460	299	1,764
Electrical engineering	7,026	4	714	180	179	906	332	4,711
Engineering science	451	3	45	11	3	168	20	201
Industrial engineering	3,466	17	295	296	214	1,248	256	1,140
Mechanical engineering	2,485	4	196	75	117	970	136	987
Metallurgical/materials engineering	1,390	4	99	61	34	483	50	659
Mining engineering	43	0	0	0	0	26	1	16
Nuclear engineering	214	0	12	8	7	110	9	68
Petroleum engineering	135	0	2	3	7	19	3	101
Engineering, nec	1,607	7	212	120	47	483	116	622
Health fields	86,719	460	5,594	7,532	4,990	57,544	6,101	4,498
Clinical medicine	15,533	91	1,555	1,737	1,257	8,003	1,509	1,381
Anesthesiology	905	6	54	64	12	693	69	7
Cardiology	11	0	1	1	0	5	0	4
Endocrinology	21	0	0	1	1	13	0	6
Gastroenterology	10	0	2	1	0	5	2	0
Hematology	4	0	0	0	0	4	0	0
Neurology	1,571	6	163	67	73	882	81	299
Obstetrics/gynecology	33	0	5	2	1	24	0	1
Oncology/cancer research	195	0	17	7	9	125	1	36
Ophthalmology	280	2	129	3	8	108	21	9
Otorhinolaryngology	7	0	2	1	0	3	0	1
Pediatrics	236	3	22	23	7	132	16	33
Preventive medicine/community health	10,113	64	947	1,397	921	4,865	1,087	832
Psychiatry	219	1	3	10	54	126	18	7
Pulmonary disease	4	1	1	0	1	1	0	0
Radiology	140	2	16	7	8	75	5	27
Surgery	41	0	9	3	1	28	0	0
Clinical medicine, nec	1,743	6	184	150	161	914	209	119
Other health	71,186	369	4,039	5,795	3,733	49,541	4,592	3,117
Dental sciences	686	1	103	25	47	352	25	133
Nursing	32,539	208	1,710	3,058	1,545	23,306	2,132	580
Pharmaceutical sciences	3,532	8	634	383	154	1,262	190	901
Speech pathology/audiology	13,850	62	389	603	835	10,702	822	437
Veterinary sciences	1,309	7	45	45	29	917	58	208
Other health, nec	19,270	83	1,158	1,681	1,123	13,002	1,365	858

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	White, non- Hispanic		
All institutions	363,246	1,822	21,000	22,092	19,759	184,700	26,532	87,341
New England	26,256	84	1,575	723	698	12,432	2,954	7,790
Connecticut	5,808	24	280	230	180	2,994	548	1,552
Central CT State U.	334	1	20	15	15	218	37	28
CT C.	11	0	0	0	0	11	0	0
Quinnipiac U.	17	0	0	0	1	9	5	2
Rensselaer Hartford	82	0	11	3	4	51	10	3
Sacred Heart U. ^a	99	0	12	3	2	64	0	18
Southern CT State U.	338	0	10	32	24	229	35	8
St. Joseph C. (West Hartford, CT)	83	0	4	3	1	56	19	0
Trinity C. (Hartford, CT)	46	0	2	3	3	34	4	0
U. Bridgeport	391	0	5	11	8	148	3	216
U. CT all campuses	1,869	7	54	56	44	906	155	647
U. Hartford	242	2	6	10	8	155	50	11
U. New Haven	664	3	17	60	37	363	76	108
Wesleyan U.	120	0	11	0	1	69	2	37
Western CT State U.	34	0	1	3	1	27	0	2
Yale U.	1,478	11	127	31	31	654	152	472
Maine	520	4	12	5	11	397	0	91
U. ME	520	4	12	5	11	397	0	91
Massachusetts	16,739	47	1,175	423	449	7,097	2,262	5,286
American International C.	101	1	4	17	5	66	6	2
Anna Maria C.	105	0	1	2	2	48	51	1
Assumption C.	86	0	0	2	4	66	14	0
Boston C.	463	0	22	7	7	251	24	152
Boston U.	2,739	2	152	70	44	746	913	812
Brandeis U.	357	0	16	3	5	212	4	117
Bridgewater State C.	137	2	1	4	2	103	24	1
Clark U.	323	1	3	1	6	108	64	140
Fitchburg State C.	21	0	1	0	1	7	0	12
Framingham State C. ^a	28	0	1	0	1	11	15	0
Harvard U.	3,699	20	299	142	144	1,432	366	1,296
MA C. of Pharmacy and Health Sciences	18	0	0	0	0	0	18	0
MA Institute of Technology	3,068	10	337	58	88	1,184	327	1,064
Mt. Holyoke C.	5	0	1	1	0	3	0	0
Northeastern U.	891	2	25	19	19	378	120	328
Salem State C.	80	0	1	1	3	67	4	4
Smith C.	7	0	1	0	1	3	0	2
Tufts U.	910	2	91	21	29	572	24	171
U. MA	2,458	7	113	47	68	1,174	248	801
U. MA Dartmouth	213	0	7	3	3	95	5	100
U. MA Lowell	634	0	78	20	14	354	18	150
Williams C.	23	0	0	0	0	0	0	23
Woods Hole Oceanographic Institution	110	0	5	1	2	73	7	22
Worcester Polytechnic Institute	235	0	14	4	0	121	8	88
Worcester State C.	28	0	2	0	1	23	2	0
New Hampshire	1,112	3	43	11	12	697	83	263
Dartmouth C.	414	1	23	3	7	235	11	134
Rivier C.	46	0	6	0	0	19	19	2
U. NH	652	2	14	8	5	443	53	127
Rhode Island	1,558	6	59	45	38	856	61	493
Brown U.	828	4	31	21	16	313	49	394
RI C.	22	0	0	2	0	17	3	0
U. RI	708	2	28	22	22	526	9	99

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
Vermont	519	0	6	9	8	391	0	105
U. VT	519	0	6	9	8	391	0	105
Middle Atlantic	60,114	138	3,792	3,744	2,726	27,368	5,967	16,379
New Jersey	8,704	13	732	510	352	2,973	1,822	2,302
Fairleigh Dickinson U. all campuses	1,467	0	0	0	0	0	1,169	298
Kean U.	394	0	19	111	52	172	10	30
Monmouth U.	43	0	3	2	1	7	2	28
Montclair State U.	433	0	22	19	33	287	32	40
NJ Institute of Technology	943	3	148	40	33	183	55	481
Princeton U.	1,197	1	106	36	26	568	45	415
Rutgers, The State U. NJ all campuses	2,534	7	203	189	107	1,166	109	753
Seton Hall U.	676	1	17	53	21	242	308	34
Stevens Institute of Technology	431	1	65	16	23	129	80	117
U. of Medicine and Dentistry NJ	498	0	140	37	44	162	12	103
William Paterson U. NJ	88	0	9	7	12	57	0	3
New York	36,389	101	2,329	2,548	2,059	15,828	3,457	10,067
Adelphi U.	384	0	13	22	13	190	124	22
Albany Medical C.	74	0	11	5	2	45	0	11
Alfred U. all campuses ^a	94	0	0	1	1	88	4	0
Clarkson U.	89	0	1	0	0	34	0	54
C. New Rochelle	135	2	2	20	8	10	93	0
C. of St. Rose	179	0	5	5	3	147	16	3
Columbia U. in the City of NY	2,757	7	250	103	97	1,000	179	1,121
Cornell U. all campuses	3,061	8	168	78	104	1,179	270	1,254
CUNY Baruch C.	637	3	65	123	71	310	0	65
CUNY Brooklyn C.	577	0	54	177	32	205	0	109
CUNY C. Staten Island	66	0	9	9	3	30	0	15
CUNY Graduate Ctr.	1,803	4	82	110	104	668	294	541
CUNY Herbert H. Lehman C.	37	0	4	13	10	10	0	0
CUNY Hunter C. ^a	605	0	36	77	47	265	105	75
CUNY John Jay C. of Criminal Justice	1,527	2	114	281	255	744	131	0
CUNY Queens C.	679	0	89	73	151	275	34	57
CUNY The City C.	596	5	76	91	93	160	5	166
Fordham U.	430	1	29	19	24	190	64	103
Hofstra U.	396	0	19	21	17	264	63	12
Iona C.	165	0	3	11	19	86	41	5
Long Island U. all campuses	1,155	3	62	270	98	421	191	110
Marist C.	322	3	10	19	11	224	12	43
Mt. Sinai School of Medicine	241	1	38	8	13	118	1	62
New School, The	1,290	3	74	95	110	519	178	311
NY Institute of Technology all campuses	358	0	23	14	10	35	29	247
NY Medical C.	212	0	28	19	15	73	15	62
NY U.	3,080	4	291	133	134	1,134	406	978
Niagara U.	55	0	0	9	0	46	0	0
Pace U. all campuses	538	1	60	62	48	229	67	71
Polytechnic U.	352	1	38	9	2	44	67	191
Rensselaer Polytechnic Institute	399	4	18	6	7	161	4	199
Rochester Institute of Technology	411	0	14	9	6	213	21	148
Rockefeller U.	146	1	20	7	3	64	1	50
Russell Sage C. all campuses	50	0	0	6	3	35	6	0
Sarah Lawrence C.	53	1	6	2	1	31	2	10
St. John's U. (Jamaica, NY)	679	2	48	72	67	326	92	72
SUNY Albany	2,260	13	57	139	102	1,298	204	447

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown		
SUNY Binghamton	990	5	36	35	34	386	93	401
SUNY Buffalo all campuses	2,049	6	61	55	38	945	110	834
SUNY C. Brockport	166	1	6	16	2	130	8	3
SUNY C. Buffalo	14	0	3	0	0	8	0	3
SUNY C. Geneseo	1	0	0	0	0	1	0	0
SUNY C. of Environmental Science and Forestry	313	2	3	1	1	236	0	70
SUNY C. Oneonta	8	0	0	0	1	6	1	0
SUNY C. Oswego	121	0	0	3	5	110	0	3
SUNY C. Plattsburgh	31	0	0	0	0	23	0	8
SUNY C. Potsdam	1	0	0	0	0	1	0	0
SUNY Fredonia	21	0	0	0	0	21	0	0
SUNY Health Science Ctr. Brooklyn	38	0	6	1	1	6	0	24
SUNY Institute of Technology Utica-Rome	107	0	4	0	0	68	2	33
SUNY New Paltz	130	0	6	1	7	52	12	52
SUNY Stony Brook all campuses	2,250	4	112	108	99	822	182	923
SUNY Upstate Medical U.	116	0	12	0	3	66	0	35
Syracuse U. all campuses	1,112	8	32	33	33	520	124	362
Teachers C. Columbia U.	1,361	3	150	127	76	690	191	124
U. Rochester	977	2	33	17	31	451	6	437
Vassar C.	1	0	0	0	0	1	0	0
Wagner C.	11	0	3	1	0	6	1	0
Yeshiva U.	679	1	45	32	44	408	8	141
Pennsylvania	15,021	24	731	686	315	8,567	688	4,010
Bloomsburg U. PA	13	0	0	0	0	9	2	2
Bryn Mawr C.	84	0	2	1	1	73	0	7
Bucknell U.	15	0	0	0	0	13	0	2
Carnegie Mellon U.	1,826	5	103	53	25	692	142	806
Clarion U. PA all campuses	33	0	0	1	0	31	1	0
Drexel U.	1,398	0	119	98	34	845	128	174
Duquesne U.	254	0	3	8	1	204	3	35
East Stroudsburg U. PA	95	0	0	5	16	65	3	6
Edinboro U. PA	140	2	3	2	0	127	0	6
Gannon U.	58	0	0	1	0	25	1	31
Indiana U. PA all campuses	475	0	7	24	10	322	84	28
Kutztown U. PA	91	1	1	5	4	69	6	5
Lehigh U.	301	0	19	9	3	195	4	71
Marywood U.	250	1	2	6	0	213	22	6
Millersville U. PA	98	0	1	4	2	72	16	3
PA State U. all campuses	3,019	6	96	74	67	1,615	59	1,102
Philadelphia C. of Osteopathic Medicine ^a	261	0	12	37	3	206	3	0
Shippensburg U. PA	290	0	8	8	2	246	20	6
Slippery Rock U. PA	70	0	0	0	0	63	7	0
St. Joseph's U. ^a	362	0	7	100	12	170	13	60
Temple U.	873	2	38	50	20	472	63	228
Thomas Jefferson U.	219	2	17	27	8	145	5	15
U. PA	1,743	1	138	37	43	926	16	582
U. Pittsburgh all campuses	2,226	2	122	106	55	1,232	10	699
U. Scranton	107	1	2	5	1	88	4	6
U. of the Sciences Philadelphia	142	0	6	7	0	29	75	25
Villanova U.	367	1	18	12	5	243	0	88
West Chester U. PA	206	0	7	6	3	172	1	17
Wilkes U.	5	0	0	0	0	5	0	0
East North Central	55,395	198	2,391	3,183	1,483	29,761	2,577	15,802
Illinois	19,402	54	1,142	1,459	635	9,332	996	5,784

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	White, non- Hispanic		
Bradley U.	80	0	1	0	0	13	6	60
Chicago State U.	227	2	3	174	15	25	6	2
DePaul U.	2,771	5	254	297	134	1,245	480	356
Eastern IL U.	149	0	1	0	1	109	4	34
Governors State U.	430	0	3	157	14	140	11	105
IL Institute of Technology	1,106	4	68	60	25	305	39	605
IL State U.	514	2	10	10	10	325	19	138
Loyola U. Chicago	483	1	44	28	12	273	43	82
Midwestern U. (Chicago, IL)	80	1	9	7	5	45	13	0
North Central C.	12	0	1	0	0	9	2	0
Northeastern IL U.	367	1	51	22	27	199	18	49
Northern IL U.	1,051	4	62	36	22	713	7	207
Northwestern U.	1,251	2	89	44	46	668	2	400
Roosevelt U.	675	0	43	144	38	300	106	44
Rosalind Franklin U. of Medicine and Science ^a	92	0	8	2	2	60	0	20
Rush U.	80	0	15	3	4	43	0	15
Southern IL U. Carbondale	1,223	4	18	81	25	741	1	353
Southern IL U. Edwardsville	510	3	10	57	3	332	0	105
U. Chicago	1,829	9	100	63	53	822	94	688
U. IL Chicago	1,937	7	113	126	79	815	54	743
U. IL Springfield	732	1	21	44	14	387	17	248
U. IL Urbana-Champaign	3,332	8	212	84	96	1,485	53	1,394
Western IL U.	471	0	6	20	10	278	21	136
Indiana	7,120	24	215	239	187	3,784	334	2,337
Ball State U.	430	0	0	0	2	213	98	117
IN State U. all campuses	615	1	25	45	12	380	33	119
IN U. all campuses	2,900	18	128	101	80	1,722	37	814
Purdue U. all campuses	2,290	3	47	75	68	964	88	1,045
U. Evansville	56	0	0	1	0	50	3	2
U. of Notre Dame	696	2	15	11	22	370	38	238
U. of St. Francis (Ft. Wayne, IN)	44	0	0	2	2	33	7	0
Valparaiso U.	89	0	0	4	1	52	30	2
Michigan	9,572	56	452	646	238	4,967	272	2,941
Andrews U.	90	0	1	22	11	35	0	21
Central MI U.	374	1	8	12	5	249	7	92
Eastern MI U.	723	8	30	85	9	373	51	167
Grand Valley State U.	118	0	4	4	1	87	5	17
Lawrence Technological U.	39	0	11	2	0	20	5	1
MI State U.	2,242	14	62	74	59	1,091	54	888
MI Technological U.	293	0	4	2	11	139	17	120
Northern MI U.	125	9	1	2	1	107	0	5
Oakland U.	297	1	16	22	5	182	11	60
U. Detroit Mercy	325	1	4	56	2	131	33	98
U. MI all campuses	2,694	12	235	141	99	1,460	43	704
Wayne State U.	1,356	4	72	169	18	566	33	494
Western MI U.	896	6	4	55	17	527	13	274
Ohio	12,908	23	387	699	277	7,403	717	3,402
Air Force Institute of Technology	266	0	0	1	0	12	253	0
Antioch U. all campuses	1,410	1	33	65	81	1,100	110	20
Bowling Green State U. all campuses	570	3	12	10	10	306	15	214
Case Western Reserve U.	993	4	64	46	17	474	62	326
Cleveland State U.	759	0	19	98	15	398	36	193
John Carroll U.	87	0	4	19	3	59	0	2
Kent State U. all campuses	762	1	18	18	10	461	13	241

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents						Temporary visa holders
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Medical U. OH	114	0	9	2	1	40	5	57
Miami U. all campuses	544	3	6	13	7	373	2	140
OH State U. all campuses	2,865	4	75	84	61	1,466	25	1,150
OH U. all campuses	659	1	7	13	9	352	0	277
Union Institute & U.	56	0	0	6	0	48	2	0
U. Akron all campuses	746	1	41	58	10	438	18	180
U. Cincinnati all campuses	1,570	2	34	147	34	951	102	300
U. Dayton	141	0	3	14	0	94	0	30
U. Toledo	477	0	4	16	4	230	45	178
Wright State U. all campuses	599	1	52	58	14	398	21	55
Xavier U.	135	0	3	15	1	113	0	3
Youngstown State U.	155	2	3	16	0	90	8	36
Wisconsin	6,393	41	195	140	146	4,275	258	1,338
Marquette U.	500	2	9	19	13	333	8	116
Medical C. WI	172	0	22	3	1	110	0	36
U. WI Eau Claire	30	0	0	0	0	29	1	0
U. WI Green Bay	34	1	0	0	0	32	0	1
U. WI La Crosse	130	2	4	0	0	101	3	20
U. WI Madison	3,388	18	117	55	80	2,080	173	865
U. WI Milwaukee	1,787	11	39	56	46	1,287	72	276
U. WI Oshkosh	131	5	0	1	2	115	1	7
U. WI Stevens Point	90	1	2	0	1	80	0	6
U. WI Stout	92	1	1	2	3	74	0	11
U. WI Whitewater	39	0	1	4	0	34	0	0
West North Central	27,987	202	856	1,639	533	14,802	3,289	6,666
Iowa	3,860	13	86	106	69	1,843	98	1,645
Drake U.	211	1	6	9	5	142	36	12
IA State U.	1,835	6	27	52	25	880	53	792
Loras C.	20	0	0	0	0	17	2	1
Maharishi U. of Management ^a	360	0	0	0	0	3	0	357
U. IA	1,303	6	47	34	37	712	2	465
U. Northern IA	131	0	6	11	2	89	5	18
Kansas	4,212	58	120	146	86	2,549	262	991
Emporia State U.	127	0	1	1	2	104	11	8
Ft. Hays State U.	63	0	2	0	3	58	0	0
KS State U.	1,411	7	36	58	20	810	33	447
Pittsburg State U.	69	2	1	2	0	49	1	14
U. KS all campuses	2,001	46	65	63	51	1,239	139	398
Washburn U.	29	0	0	2	0	25	0	2
Wichita State U.	512	3	15	20	10	264	78	122
Minnesota	10,004	67	269	1,058	242	4,329	2,510	1,529
Bemidji State U.	14	0	0	0	0	1	11	2
Mayo Graduate School	181	2	15	8	9	75	18	54
MN State U. Mankato	309	0	8	1	2	105	36	157
MN State U. Moorhead	24	0	0	1	0	23	0	0
St. Cloud State U.	150	0	3	0	3	65	10	69
St. Mary's U. MN	45	1	0	3	0	33	5	3
U. MN all campuses	4,037	26	179	77	78	2,345	88	1,244
Walden U.	5,244	38	64	968	150	1,682	2,342	0
Missouri	5,557	24	229	216	80	3,328	260	1,420
A.T. Still U. of Health Sciences	32	0	5	2	0	25	0	0
Central MO State U.	362	1	10	18	5	254	43	31

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Forest Institute of Professional Psychology	217	3	8	8	5	190	1	2
Kansas City U. of Medicine and Biosciences	22	0	3	2	1	16	0	0
Lincoln U. (Jefferson City, MO)	22	1	0	10	0	10	0	1
Northwest MO State U.	88	0	6	0	2	66	12	2
Southeast MO State U.	43	0	2	1	0	36	0	4
Southwest MO State U.	315	3	4	4	1	242	19	42
St. Louis U. all campuses	398	2	5	24	6	319	1	41
Truman State U.	5	0	0	0	0	5	0	0
U. MO-Columbia	1,253	5	46	38	17	665	53	429
U. MO-Kansas City	644	2	19	44	7	305	49	218
U. MO-Rolla	272	0	17	5	5	115	17	113
U. MO-St. Louis	523	1	20	30	5	294	47	126
Washington U. St. Louis	1,361	6	84	30	26	786	18	411
Nebraska	2,580	8	68	83	47	1,635	125	614
Creighton U.	123	0	7	4	3	71	10	28
U. NE Kearney	196	1	5	6	2	165	13	4
U. NE Lincoln	1,267	5	22	27	23	736	61	393
U. NE Omaha	884	2	25	43	17	613	39	145
U. NE Medical Ctr.	110	0	9	3	2	50	2	44
North Dakota	1,103	24	38	13	4	623	26	375
ND State U. all campuses	662	2	31	7	1	348	5	268
U. ND all campuses	441	22	7	6	3	275	21	107
South Dakota	671	8	46	17	5	495	8	92
SD School of Mines and Technology	79	0	2	0	1	64	3	9
SD State U.	365	4	24	10	4	261	2	60
U. SD	227	4	20	7	0	170	3	23
South Atlantic	61,152	194	2,994	5,873	2,515	33,801	2,790	12,985
Delaware	1,357	3	59	91	24	727	13	440
DE State U.	84	1	6	39	1	30	6	1
U. DE	1,273	2	53	52	23	697	7	439
District of Columbia	8,030	21	542	866	292	3,921	1,051	1,337
American U.	1,751	5	69	122	72	784	451	248
Catholic U. America, The	307	0	11	29	20	147	56	44
Gallaudet U.	34	0	2	3	3	24	0	2
George Washington U.	3,085	16	251	162	106	1,713	337	500
Georgetown U.	2,240	0	196	93	82	1,225	197	447
Howard U.	589	0	12	442	9	20	10	96
U. DC	24	0	1	15	0	8	0	0
Florida	13,547	40	456	1,291	1,440	7,186	486	2,648
Barry U. ^a	244	1	16	75	57	58	25	12
Embry-Riddle Aeronautical U.	60	1	0	1	3	33	8	14
FL A&M U.	263	0	3	221	4	4	1	30
FL Atlantic U.	826	3	48	60	80	460	4	171
FL Institute of Technology	516	0	11	18	21	235	108	123
FL International U.	1,074	0	42	141	378	295	5	213
FL State U.	1,617	5	44	82	65	942	20	459
Nova Southeastern U.	2,410	7	96	391	365	1,322	160	69
U. Central FL	1,365	4	45	84	111	873	22	226
U. FL	2,900	8	81	92	135	1,623	81	880
U. Miami	831	1	33	42	114	368	36	237
U. South FL	1,190	7	30	73	95	773	7	205
U. West FL	251	3	7	11	12	200	9	9

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Georgia	6,871	10	316	832	116	3,460	169	1,968
Augusta State U.	35	0	0	5	1	29	0	0
Clark Atlanta U. ^a	183	0	2	145	0	0	0	36
Emory U.	769	3	39	56	17	417	25	212
GA C. and State U.	131	0	4	30	1	82	0	14
GA Institute of Technology all campuses	1,720	1	91	95	31	771	16	715
GA Southern U.	230	0	3	57	5	157	3	5
GA State U.	1,461	3	97	222	20	592	89	438
Medical C. GA	120	0	8	12	1	45	1	53
Mercer U. all campuses	20	0	1	5	0	11	3	0
Morehouse School of Medicine	27	0	0	23	0	0	0	4
U. GA	1,827	2	68	104	34	1,107	24	488
U. West GA	142	0	0	24	2	107	6	3
Valdosta State U.	206	1	3	54	4	142	2	0
Maryland	8,642	28	591	927	214	4,486	386	2,010
Coppin State U.	88	0	0	82	0	2	0	4
Frostburg State U.	81	1	3	5	1	62	5	4
Hood C.	246	0	10	14	3	157	53	9
Johns Hopkins U., The	2,073	6	209	95	67	1,040	8	648
Loyola C. ^a	590	0	18	97	10	420	14	31
Morgan State U.	98	0	7	69	1	10	0	11
Towson U.	650	0	35	89	8	381	54	83
Uniformed Services U. of the Health Sciences	90	2	10	8	3	54	10	3
U. Baltimore	399	2	7	131	7	170	38	44
U. MD Baltimore	273	1	19	19	12	160	1	61
U. MD Baltimore County	1,148	5	123	142	30	587	58	203
U. MD College Park	2,757	11	119	125	70	1,405	142	885
U. MD Eastern Shore	137	0	31	50	2	30	0	24
Washington C.	12	0	0	1	0	8	3	0
North Carolina	9,638	39	418	1,006	165	6,054	142	1,814
Appalachian State U.	295	0	3	13	0	259	11	9
Duke U.	1,380	4	87	62	34	804	6	383
East Carolina U.	646	4	14	64	5	488	13	58
NC Agricultural and Technical State U.	137	1	3	106	1	10	3	13
NC Central U.	439	2	11	380	0	31	12	3
NC State U.	2,417	5	118	132	38	1,476	56	592
U. NC Chapel Hill	2,211	12	125	118	42	1,490	15	409
U. NC Charlotte	720	1	24	34	17	418	0	226
U. NC Greensboro	574	3	15	57	9	427	17	46
U. NC Wilmington	342	3	4	9	8	300	9	9
Wake Forest U.	326	0	13	26	2	222	0	63
Western Carolina U.	151	4	1	5	9	129	0	3
South Carolina	2,331	5	55	138	28	1,518	92	495
Clemson U.	912	1	12	20	9	553	63	254
C. Charleston	225	1	3	7	2	195	6	11
Furman U.	6	0	0	0	0	6	0	0
Medical U. SC	254	1	10	15	4	193	3	28
U. SC all campuses	867	2	28	88	11	516	20	202
Winthrop U.	67	0	2	8	2	55	0	0
Virginia	9,247	42	528	686	228	5,419	411	1,933
C. of William and Mary all campuses	436	5	9	23	8	324	2	65
Eastern VA Medical School	117	0	9	11	2	81	1	13
George Mason U.	2,529	6	206	125	88	1,385	189	530

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		Alaska Native	Islander	Hispanic	Hispanic	Hispanic			
Hampton U.	103	0	12	74	1	13	0	3	
James Madison U.	196	0	6	6	5	159	7	13	
Marymount U.	244	4	8	28	7	161	19	17	
Old Dominion U.	804	3	25	85	22	415	29	225	
Radford U.	111	0	2	4	3	101	0	1	
U. Richmond	8	0	2	0	1	5	0	0	
U. VA all campuses	1,217	7	53	30	20	700	67	340	
VA Commonwealth U.	1,059	6	88	121	22	710	11	101	
VA Polytechnic Institute and State U.	2,350	11	107	110	49	1,362	86	625	
VA State U.	73	0	1	69	0	3	0	0	
West Virginia	1,489	6	29	36	8	1,030	40	340	
Marshall U.	450	3	9	11	0	357	32	38	
WV U.	1,039	3	20	25	8	673	8	302	
East South Central	14,941	46	388	1,820	210	8,628	328	3,521	
Alabama	4,247	14	130	738	57	2,220	69	1,019	
AL A&M U.	221	0	10	115	3	21	0	72	
AL State U.	20	0	1	19	0	0	0	0	
Auburn U. all campuses	1,187	4	20	148	21	692	16	286	
Jacksonville State U.	284	2	4	74	2	178	22	2	
Troy U. main campus	248	0	0	173	2	56	16	1	
Tuskegee U.	45	0	0	36	0	0	3	6	
U. AL, The	583	4	12	30	12	345	0	180	
U. AL Birmingham, The	932	1	72	104	11	467	0	277	
U. AL Huntsville, The	395	3	8	23	3	249	5	104	
U. South AL	332	0	3	16	3	212	7	91	
Kentucky	3,668	11	65	163	57	2,080	183	1,109	
Eastern KY U.	298	2	8	14	0	219	17	38	
Morehead State U.	61	1	1	2	0	54	0	3	
Murray State U.	213	1	2	13	2	156	2	37	
Spalding U. ^a	155	3	5	4	0	118	20	5	
U. KY all campuses	1,754	1	25	54	25	786	136	727	
U. Louisville	798	2	22	66	26	518	7	157	
Western KY U.	389	1	2	10	4	229	1	142	
Mississippi	2,462	8	51	447	35	1,414	11	496	
Jackson State U.	347	1	9	274	1	32	0	30	
MS State U.	1,105	6	25	89	14	775	2	194	
U. MS all campuses	372	1	3	39	5	164	9	151	
U. Southern MS	638	0	14	45	15	443	0	121	
Tennessee	4,564	13	142	472	61	2,914	65	897	
Austin Peay State U.	88	1	0	4	2	65	13	3	
East TN State U.	279	0	0	14	0	203	15	47	
Fisk U.	55	1	0	39	2	7	0	6	
Meharry Medical C.	61	0	0	61	0	0	0	0	
Middle TN State U.	273	1	31	25	2	211	3	0	
TN State U.	206	0	9	126	0	61	0	10	
TN Technological U.	112	0	0	3	0	83	0	26	
U. Memphis, The	627	0	16	67	4	349	1	190	
U. TN Chattanooga	198	0	5	33	5	149	0	6	
U. TN Health Science Ctr.	146	0	13	9	4	60	0	60	
U. TN Knoxville	1,616	8	26	44	17	1,169	33	319	
Vanderbilt U.	903	2	42	47	25	557	0	230	
West South Central	32,530	251	1,417	2,734	2,524	15,617	536	9,451	

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Arkansas	2,023	12	35	160	29	1,335	20	432
AR State U. main campus	251	2	0	33	3	176	16	21
U. AR for Medical Sciences	139	0	11	9	0	62	0	57
U. AR Little Rock	290	2	8	48	4	136	1	91
U. AR main campus	998	7	15	42	20	665	3	246
U. Central AR	345	1	1	28	2	296	0	17
Louisiana	4,340	15	181	1,093	55	1,854	102	1,040
Grambling State U.	98	0	0	94	0	0	0	4
LA State U. all campuses	2,085	11	41	182	30	1,083	78	660
LA Tech U.	179	0	19	6	0	76	5	73
McNeese State U.	105	0	20	22	2	43	1	17
Nicholls State U.	85	1	1	18	1	61	0	3
Northwestern State U.	25	1	0	7	1	15	1	0
Southeastern LA U.	75	0	0	15	4	53	0	3
Southern U. and A&M C. all campuses	826	1	38	693	1	85	2	6
Tulane U.	425	1	51	35	15	250	5	68
U. LA Lafayette	380	0	11	12	1	144	6	206
U. LA Monroe	57	0	0	9	0	44	4	0
Oklahoma	3,045	137	70	141	90	1,721	13	873
Cameron U.	115	6	2	26	6	75	0	0
East Central U.	22	3	0	0	0	19	0	0
Northeastern State U.	132	34	1	5	4	88	0	0
OK State U. all campuses	1,131	43	21	25	20	535	0	487
U. OK all campuses	1,436	44	46	81	57	870	1	337
U. Tulsa	209	7	0	4	3	134	12	49
Texas	23,122	87	1,131	1,340	2,350	10,707	401	7,106
Abilene Christian U.	86	0	4	7	1	73	0	1
Angelo State U.	105	0	1	7	13	82	2	0
Baylor C. of Dentistry	20	0	2	0	0	5	0	13
Baylor C. of Medicine	452	2	39	20	32	181	0	178
Baylor U.	344	0	13	3	15	216	10	87
Lamar U.	172	0	0	1	9	28	0	134
Midwestern State U.	122	1	6	7	3	76	3	26
Prairie View A&M U.	270	1	4	200	5	35	0	25
Rice U.	742	1	42	22	42	305	14	316
Sam Houston State U.	275	0	5	9	13	211	0	37
Southern Methodist U.	327	2	26	6	11	144	7	131
St. Mary's U. (San Antonio, TX)	271	0	6	8	95	70	84	8
Stephen F. Austin State U. ^a	375	2	7	16	10	299	0	41
Sul Ross State U.	86	0	1	3	16	63	3	0
Tarleton State U.	187	2	7	17	14	131	2	14
TX A&M U. all campuses	3,636	11	109	115	257	1,828	25	1,291
TX A&M U. Commerce	353	0	10	13	10	164	4	152
TX A&M U. Corpus Christi	275	2	5	8	62	148	0	50
TX A&M U. Kingsville ^a	341	1	2	6	104	103	0	125
TX A&M U. System Health Science Ctr.	95	0	18	2	4	31	0	40
TX Christian U.	127	0	1	3	2	77	5	39
TX Southern U.	364	4	23	287	12	4	5	29
TX State U. San Marcos	780	3	50	32	140	491	10	54
TX Tech U.	992	6	39	15	71	468	81	312
TX Woman's U.	528	2	22	48	42	349	1	64
U. Houston	1,253	5	87	40	65	425	25	606
U. Houston-Clear Lake	823	1	61	85	78	391	0	207

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U. Houston-Victoria	107	0	10	12	20	60	1	4
U. North TX	1,276	15	37	77	69	733	25	320
U. TX Arlington	1,183	7	104	65	65	497	0	445
U. TX Austin	2,151	5	91	25	89	1,084	26	831
U. TX Dallas	1,197	3	91	59	55	425	1	563
U. TX El Paso	521	0	11	8	203	122	0	177
U. TX Health Science Ctr. Houston	743	3	70	33	57	307	4	269
U. TX Health Science Ctr. San Antonio	212	0	21	5	32	63	1	90
U. TX Medical Branch	211	0	10	8	16	117	7	53
U. TX of the Permian Basin ^a	55	0	1	1	11	42	0	0
U. TX San Antonio	831	3	34	38	271	324	12	149
U. TX Southwestern Medical Ctr. Dallas	478	1	43	10	41	218	22	143
U. TX Tyler	147	2	7	6	9	109	9	5
U. TX-Pan American	341	2	5	6	250	28	8	42
U. of the Incarnate Word	44	0	2	3	16	19	4	0
Wayland Baptist U.	11	0	0	0	1	10	0	0
West TX A&M U.	213	0	4	4	19	151	0	35
Mountain	23,527	278	836	352	1,197	14,973	1,739	4,152
Arizona	5,327	81	195	78	287	2,954	425	1,307
AZ State U. main campus	2,177	18	67	42	118	1,033	289	610
Northern AZ U.	870	34	31	6	65	685	17	32
U. AZ	2,280	29	97	30	104	1,236	119	665
Colorado	6,941	60	255	124	295	4,716	646	845
CO School of Mines	421	4	9	0	12	236	103	57
CO State U.	1,769	23	44	14	52	1,221	148	267
CO State U. Pueblo	28	0	0	0	3	21	0	4
U. CO all campuses	3,389	27	144	70	168	2,295	294	391
U. Denver	1,142	6	55	36	49	793	79	124
U. Northern CO	192	0	3	4	11	150	22	2
Idaho	1,373	12	38	22	31	1,039	68	163
Boise State U.	278	1	8	13	12	210	20	14
ID State U.	323	4	2	0	4	268	4	41
U. ID	772	7	28	9	15	561	44	108
Montana	1,301	35	51	8	17	1,060	40	90
MT State U. Bozeman	535	4	27	3	7	433	19	42
MT Tech of the U. MT	11	0	0	0	0	11	0	0
U. MT-Missoula, The	755	31	24	5	10	616	21	48
Nevada	1,601	5	86	57	78	942	184	249
U. NV, Las Vegas	701	1	42	46	39	381	115	77
U. NV, Reno	900	4	44	11	39	561	69	172
New Mexico	2,712	70	47	42	395	1,273	227	658
Eastern NM U. all campuses	63	2	0	1	3	47	1	9
NM Highlands U.	129	2	1	1	46	40	9	30
NM Institute of Mining and Technology	194	2	2	0	12	88	8	82
NM State U. all campuses	856	12	7	22	132	289	140	254
U. NM all campuses	1,470	52	37	18	202	809	69	283
Utah	3,586	12	141	16	82	2,454	141	740
Brigham Young U. all campuses	1,216	4	38	5	29	863	113	164
U. UT	1,534	0	88	6	39	967	24	410
UT State U.	836	8	15	5	14	624	4	166

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	White, non- Hispanic		
Wyoming	686	3	23	5	12	535	8	100
U. WY	686	3	23	5	12	535	8	100
Pacific	58,023	431	6,692	2,024	4,818	27,301	6,305	10,452
Alaska	660	28	18	5	16	500	11	82
U. AK Anchorage all campuses	77	5	1	2	3	63	1	2
U. AK Fairbanks all campuses	569	23	17	3	13	424	10	79
U. AK Southeast	14	0	0	0	0	13	0	1
California	47,212	308	5,796	1,879	4,536	20,777	5,486	8,430
Alliant International U.	1,327	13	127	77	122	775	174	39
Azusa Pacific U.	255	4	34	16	40	141	13	7
Biola U.	43	0	6	0	3	24	1	9
CA Institute of Integral Studies	631	2	44	22	39	339	138	47
CA Institute of Technology	751	2	55	10	27	340	0	317
CA State Polytechnic U. Pomona	490	1	119	22	84	151	65	48
CA State Polytechnic U. San Luis Obispo	307	2	25	3	23	200	48	6
CA State U. Bakersfield	117	2	5	17	31	48	12	2
CA State U. Chico	339	9	10	7	23	212	38	40
CA State U. Dominguez Hills	386	2	28	163	90	48	48	7
CA State U. East Bay	407	0	130	15	20	74	56	112
CA State U. Fresno	733	7	59	27	173	279	92	96
CA State U. Fullerton	1,258	7	283	31	200	422	155	160
CA State U. Long Beach	1,135	7	201	58	205	369	124	171
CA State U. Los Angeles	1,048	5	197	67	353	217	136	73
CA State U. Northridge	636	5	55	15	113	287	94	67
CA State U. Sacramento	1,108	14	141	49	140	506	184	74
CA State U. San Bernardino	567	3	43	52	122	222	83	42
CA State U. Stanislaus	178	2	11	7	37	92	29	0
Chapman U.	411	5	19	34	46	252	46	9
Claremont Graduate U.	697	2	72	33	53	254	111	172
Dominican U. CA	99	0	2	1	8	74	12	2
Fielding Institute, The	611	6	21	44	48	460	32	0
Fuller Theological Seminary CA	384	0	72	21	27	239	15	10
Golden Gate U.	231	2	31	30	21	89	37	21
Humboldt State U.	270	5	5	3	18	166	68	5
John F. Kennedy U. ^a	631	2	36	26	37	490	38	2
Loma Linda U.	484	6	56	75	83	200	3	61
Loyola Marymount U.	31	2	8	1	3	13	0	4
National U.	1,864	9	113	180	367	808	347	40
Naval Postgraduate School ^a	384	0	24	17	17	209	13	104
Occidental C.	3	0	0	0	0	3	0	0
Pacific Graduate School of Psychology	272	4	31	13	25	165	22	12
Pacific States U.	18	0	2	0	0	0	0	16
Pardee RAND Graduate School of Policy Studies	96	0	8	1	2	40	0	45
Pepperdine U.	942	5	64	81	93	416	259	24
San Diego State U.	1,315	10	171	23	116	558	172	265
San Francisco State U.	1,068	3	171	64	130	404	208	88
San Jose State U.	948	4	223	21	56	326	118	200
Santa Clara U.	381	0	66	4	30	172	40	69
Sonoma State U.	66	0	2	1	6	57	0	0
Stanford U.	2,374	12	301	34	92	1,030	138	767
U. CA, Berkeley	3,610	54	355	90	222	1,884	372	633
U. CA, Davis	2,728	15	254	54	121	1,273	449	562
U. CA, Irvine	1,739	3	263	19	108	673	172	501
U. CA, Los Angeles	3,556	29	595	108	286	1,576	300	662

TABLE 33. Graduate science students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
U. CA, Riverside	1,064	6	120	13	76	363	148	338
U. CA, San Diego	2,423	15	369	32	127	1,281	149	450
U. CA, San Francisco	500	1	94	11	37	254	81	22
U. CA, Santa Barbara	1,444	2	106	19	77	806	172	262
U. CA, Santa Cruz	823	5	79	8	44	419	160	108
U. La Verne	355	3	18	64	105	118	34	13
U. San Diego	54	0	2	0	4	38	8	2
U. San Francisco	315	2	45	10	13	96	29	120
U. Southern CA	3,273	9	420	86	191	804	241	1,522
U. of the Pacific	32	0	5	0	2	21	2	2
Hawaii	1,690	7	375	10	43	630	108	517
U. HI Manoa	1,690	7	375	10	43	630	108	517
Oregon	3,459	38	192	41	84	2,219	253	632
OGI School of Science & Engineering at								
OR Health & Science U.	156	2	62	0	6	68	3	15
OR Health & Science U.	133	1	13	0	3	100	6	10
OR State U.	1,185	14	37	8	26	739	56	305
Portland State U.	1,194	15	53	22	35	810	97	162
Southern OR U.	64	0	5	1	3	47	4	4
U. OR	727	6	22	10	11	455	87	136
Washington	5,002	50	311	89	139	3,175	447	791
Central WA U.	127	10	5	1	3	103	5	0
Eastern WA U.	190	7	3	9	12	136	23	0
Pacific Lutheran U.	42	0	2	2	1	24	13	0
Seattle U. ^a	200	1	23	15	8	118	31	4
U. WA	3,315	23	237	47	84	2,057	313	554
Walla Walla C.	10	0	1	1	0	8	0	0
WA State U.	921	8	36	14	22	582	29	230
Western WA U.	197	1	4	0	9	147	33	3
Outlying areas	3,321	0	59	0	3,055	17	47	143
Guam	76	0	59	0	0	13	0	4
U. GU	76	0	59	0	0	13	0	4
Puerto Rico	3,245	0	0	0	3,055	4	47	139
Carlos Albizu U. (San Juan, PR)	621	0	0	0	621	0	0	0
Ponce School of Medicine	27	0	0	0	27	0	0	0
Pontifical Catholic U. PR, The	501	0	0	0	501	0	0	0
U. PR Mayaguez Campus	537	0	0	0	537	0	0	0
U. PR Medical Sciences Campus	164	0	0	0	164	0	0	0
U. PR Rio Piedras Campus	1,395	0	0	0	1,205	4	47	139

^a Institution did not respond to the 2006 survey; all 2006 data are imputed.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
All institutions	123,041	290	9,179	3,572	4,381	43,293	6,983	55,343
New England	8,659	15	589	131	205	3,150	862	3,707
Connecticut	1,500	4	57	25	36	458	89	831
Rensselaer Hartford	233	1	20	7	19	158	28	0
U. Bridgeport	395	0	2	1	0	3	2	387
U. CT all campuses	429	1	20	8	7	166	21	206
U. Hartford	93	0	3	6	4	36	7	37
U. New Haven	196	1	3	2	4	44	19	123
Yale U.	154	1	9	1	2	51	12	78
Maine	155	2	8	0	1	108	0	36
U. ME	155	2	8	0	1	108	0	36
Massachusetts	6,272	9	492	97	157	2,207	742	2,568
Anna Maria C.	10	0	0	0	0	2	8	0
Boston U.	540	0	33	8	12	130	134	223
Harvard U.	347	2	40	8	9	150	0	138
MA Institute of Technology	2,462	5	249	43	71	838	245	1,011
Northeastern U.	840	0	20	9	10	142	238	421
Tufts U.	402	0	26	4	10	210	72	80
U. MA	427	0	15	4	8	122	17	261
U. MA Dartmouth	176	0	2	0	0	45	1	128
U. MA Lowell	538	1	80	12	21	251	3	170
Western New England C.	40	0	1	2	0	31	6	0
Woods Hole Oceanographic Institution	35	0	1	0	2	21	0	11
Worcester Polytechnic Institute	455	1	25	7	14	265	18	125
New Hampshire	314	0	15	2	5	156	25	111
Dartmouth C.	127	0	8	1	3	53	13	49
U. NH	187	0	7	1	2	103	12	62
Rhode Island	327	0	16	5	6	159	6	135
Brown U.	136	0	3	1	3	32	6	91
U. RI	191	0	13	4	3	127	0	44
Vermont	91	0	1	2	0	62	0	26
Marlboro C.	4	0	0	0	0	4	0	0
U. VT	87	0	1	2	0	58	0	26
Middle Atlantic	16,756	21	1,193	468	430	5,202	1,101	8,341
New Jersey	3,809	4	353	146	167	1,053	395	1,691
Fairleigh Dickinson U. all campuses	170	0	0	0	0	0	8	162
Monmouth U.	79	0	12	2	3	34	21	7
NJ Institute of Technology	1,291	1	148	80	84	266	81	631
Princeton U.	481	1	31	13	8	159	11	258
Rutgers, The State U. NJ all campuses	635	0	58	12	20	199	19	327
Stevens Institute of Technology	1,143	2	103	39	52	389	255	303
U. of Medicine and Dentistry NJ	10	0	1	0	0	6	0	3
New York	7,750	6	574	198	175	2,057	561	4,179
Alfred U. all campuses ^a	59	0	2	2	2	41	0	12
Clarkson U.	204	0	1	1	1	88	0	113
Columbia U. in the City of NY	853	1	112	6	7	173	86	468
Cooper Union	48	0	17	2	2	19	0	8
Cornell U. all campuses	995	2	113	13	30	320	83	434
CUNY Graduate Ctr.	204	0	6	9	8	9	33	139
CUNY The City C.	273	0	50	30	29	15	10	139

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
Manhattan C.	169	0	22	6	12	66	51	12
NY Institute of Technology all campuses	432	0	15	19	12	48	42	296
Pace U. all campuses	15	0	3	1	2	6	0	3
Polytechnic U.	602	0	69	27	14	91	101	300
Rensselaer Polytechnic Institute	665	0	17	14	13	238	14	369
Rochester Institute of Technology	325	0	20	8	8	125	11	153
SUNY Albany	95	0	3	3	1	33	8	47
SUNY Binghamton	380	0	25	17	3	105	36	194
SUNY Buffalo all campuses	824	2	20	17	8	262	26	489
SUNY C. of Environmental Science and Forestry	79	0	2	2	0	42	0	33
SUNY Health Science Ctr. Brooklyn	5	0	1	0	0	2	0	2
SUNY Institute of Technology Utica-Rome	6	0	0	0	0	5	0	1
SUNY New Paltz	81	0	2	0	1	4	1	73
SUNY Stony Brook all campuses	426	1	39	9	11	106	16	244
Syracuse U. all campuses	644	0	13	8	9	118	26	470
Union C. (Schenectady, NY)	72	0	5	1	0	47	14	5
U. Rochester	294	0	17	3	2	94	3	175
Pennsylvania	5,197	11	266	124	88	2,092	145	2,471
Bucknell U.	13	0	1	0	0	10	0	2
Carnegie Mellon U.	863	3	51	12	12	264	20	501
Drexel U.	791	2	50	36	18	300	67	318
Gannon U.	128	1	0	0	0	12	1	114
Lehigh U.	507	0	37	13	13	205	18	221
PA State U. all campuses	1,499	2	48	26	24	589	22	788
Temple U.	96	0	8	4	0	33	4	47
U. PA	383	0	37	10	6	164	0	166
U. Pittsburgh all campuses	570	3	10	21	9	323	13	191
Villanova U.	267	0	6	1	6	167	0	87
Widener U. all campuses	39	0	17	1	0	20	0	1
Wilkes U.	41	0	1	0	0	5	0	35
East North Central	20,676	27	1,126	448	371	7,373	1,126	10,205
Illinois	5,081	5	348	103	96	1,484	101	2,944
Bradley U.	168	0	0	0	2	41	7	118
IL Institute of Technology	1,039	0	45	19	17	184	18	756
Northern IL U.	199	0	5	8	0	56	3	127
Northwestern U.	654	3	75	16	21	267	33	239
Roosevelt U.	8	0	0	0	0	4	0	4
Southern IL U. Carbondale	371	0	7	15	1	51	0	297
Southern IL U. Edwardsville	160	0	2	3	0	47	0	108
U. IL Chicago	720	0	60	20	21	226	23	370
U. IL Urbana-Champaign	1,762	2	154	22	34	608	17	925
Indiana	2,641	6	78	59	47	869	127	1,455
Ball State U.	55	0	0	0	0	6	16	33
IN U. all campuses	126	0	4	15	0	51	5	51
Purdue U. all campuses	1,980	3	61	41	30	582	85	1,178
Rose-Hulman Institute of Technology	101	0	1	1	10	68	3	18
U. of Notre Dame	379	3	12	2	7	162	18	175
Michigan	5,634	10	422	175	135	2,233	176	2,483
Andrews U.	21	0	0	1	1	17	0	2
Eastern MI U.	132	0	3	11	1	56	9	52
Grand Valley State U.	59	0	1	1	0	38	3	16
Lawrence Technological U.	377	0	18	23	10	244	28	54
MI State U.	473	0	17	24	17	135	4	276

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
MI Technological U.	460	0	6	7	9	201	15	222
Oakland U.	505	3	46	9	5	277	28	137
U. Detroit Mercy	129	2	4	3	1	41	10	68
U. MI all campuses	2,591	4	288	76	82	1,027	62	1,052
Wayne State U.	642	1	34	15	5	118	17	452
Western MI U.	245	0	5	5	4	79	0	152
Ohio	5,253	2	165	77	44	1,720	648	2,597
Air Force Institute of Technology	540	0	2	0	0	25	513	0
Case Western Reserve U.	502	0	28	8	5	213	14	234
Cleveland State U.	406	0	17	8	1	98	7	275
Miami U. all campuses	45	0	0	3	2	24	2	14
OH State U. all campuses	1,125	2	36	13	17	474	11	572
OH U. all campuses	235	0	1	0	1	87	0	146
U. Akron all campuses	340	0	15	5	2	83	29	206
U. Cincinnati all campuses	955	0	16	12	2	234	43	648
U. Dayton	361	0	11	12	7	227	15	89
U. Toledo	229	0	1	1	2	55	4	166
Wright State U. all campuses	475	0	38	15	5	173	7	237
Youngstown State U.	40	0	0	0	0	27	3	10
Wisconsin	2,067	4	113	34	49	1,067	74	726
Marquette U.	293	0	63	9	7	188	2	24
Milwaukee School of Engineering	214	0	2	8	3	171	24	6
U. WI Madison	1,094	2	30	12	27	429	41	553
U. WI Milwaukee	348	2	18	5	11	174	6	132
U. WI Platteville	68	0	0	0	0	65	0	3
U. WI Stout	50	0	0	0	1	40	1	8
West North Central	7,677	17	346	172	140	3,224	407	3,371
Iowa	1,264	1	33	34	25	507	37	627
IA State U.	912	1	21	17	15	369	34	455
Maharishi U. of Management ^a	6	0	0	0	0	0	0	6
U. IA	346	0	12	17	10	138	3	166
Kansas	1,510	4	65	19	21	548	93	760
KS State U.	341	1	5	6	8	183	16	122
Pittsburg State U.	34	0	0	1	0	20	0	13
U. KS all campuses	522	2	20	9	7	258	43	183
Wichita State U.	613	1	40	3	6	87	34	442
Minnesota	1,936	3	120	43	34	908	159	669
Mayo Graduate School	36	1	1	0	4	18	1	11
MN State U. Mankato	37	0	0	0	0	0	37	0
St. Cloud State U.	57	0	0	0	1	8	2	46
U. MN all campuses	1,541	1	95	29	15	768	21	612
Walden U.	265	1	24	14	14	114	98	0
Missouri	2,130	3	103	65	54	924	86	895
Central MO State U.	36	0	3	5	1	13	5	9
Southwest MO State U.	13	0	0	0	1	5	0	7
St. Louis U. all campuses	5	0	1	0	0	4	0	0
U. MO-Columbia	459	1	7	10	16	139	5	281
U. MO-Kansas City	160	0	2	3	0	35	9	111
U. MO-Rolla	1,044	1	78	40	30	492	56	347
Washington U. St. Louis	413	1	12	7	6	236	11	140
Nebraska	325	2	6	3	2	127	3	182

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
U. NE Lincoln	325	2	6	3	2	127	3	182
North Dakota	259	2	11	8	3	90	26	119
ND State U. all campuses	194	2	11	7	2	63	22	87
U. ND all campuses	65	0	0	1	1	27	4	32
South Dakota	253	2	8	0	1	120	3	119
SD School of Mines and Technology	156	2	2	0	1	79	3	69
SD State U.	95	0	6	0	0	39	0	50
U. SD	2	0	0	0	0	2	0	0
South Atlantic	23,106	52	1,437	1,237	1,050	9,362	840	9,128
Delaware	460	2	20	2	6	181	1	248
U. DE	460	2	20	2	6	181	1	248
District of Columbia	1,768	6	178	150	79	793	248	314
Catholic U. America, The	106	0	6	7	6	31	27	29
George Washington U.	1,611	6	171	134	71	760	221	248
Howard U.	51	0	1	9	2	2	0	37
Florida	6,003	7	285	307	630	2,059	168	2,547
Embry-Riddle Aeronautical U.	85	0	3	1	4	42	14	21
FL A&M U.	70	0	0	42	3	13	0	12
FL Atlantic U.	170	0	8	8	22	69	3	60
FL Institute of Technology	358	0	13	7	17	128	78	115
FL International U.	574	1	27	37	186	63	4	256
FL State U.	251	0	15	31	12	74	0	119
U. Central FL	1,022	1	52	48	95	439	16	371
U. FL	2,373	4	97	60	116	869	34	1,193
U. Miami	351	0	13	19	92	107	14	106
U. South FL	749	1	57	54	83	255	5	294
Georgia	3,977	4	292	177	109	1,677	45	1,673
GA Institute of Technology all campuses	3,855	4	285	173	108	1,605	35	1,645
Mercer U. all campuses	85	0	7	4	1	61	10	2
U. GA	37	0	0	0	0	11	0	26
Maryland	2,577	7	205	186	73	891	107	1,108
Johns Hopkins U., The	471	1	39	9	13	181	3	225
Loyola C. ^a	20	0	0	1	0	19	0	0
Morgan State U.	147	0	4	84	2	38	0	19
U. MD Baltimore County	244	0	29	16	3	72	22	102
U. MD College Park	1,695	6	133	76	55	581	82	762
North Carolina	2,781	11	173	230	38	1,148	66	1,115
Duke U.	394	4	40	14	7	158	5	166
NC Agricultural and Technical State U.	257	0	29	148	1	24	1	54
NC State U.	1,705	6	88	56	25	774	59	697
U. NC Chapel Hill	66	0	11	5	1	35	1	13
U. NC Charlotte	339	1	5	7	4	144	0	178
Wake Forest U.	20	0	0	0	0	13	0	7
South Carolina	1,066	4	25	42	16	415	36	528
Clemson U.	663	4	9	25	1	252	32	340
U. SC all campuses	403	0	16	17	15	163	4	188
Virginia	3,797	9	254	136	91	1,901	139	1,267
C. of William and Mary all campuses	37	1	0	0	0	18	0	18
George Mason U.	527	1	84	22	19	226	22	153
Old Dominion U.	761	2	38	43	30	413	51	184

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
U. VA all campuses	644	0	44	17	4	365	10	204
VA Commonwealth U.	127	0	9	13	2	48	1	54
VA Polytechnic Institute and State U.	1,701	5	79	41	36	831	55	654
West Virginia	677	2	5	7	8	297	30	328
Marshall U.	89	1	0	2	0	59	19	8
WV U.	576	1	5	5	8	237	10	310
WV U. Institute of Technology ^a	12	0	0	0	0	1	1	10
East South Central	5,161	8	178	269	45	2,255	52	2,354
Alabama	1,850	3	79	117	22	808	19	802
Auburn U. all campuses	575	0	11	17	9	227	8	303
Tuskegee U.	56	0	2	37	0	1	3	13
U. AL, The	247	0	19	11	5	101	1	110
U. AL Birmingham, The	207	0	22	15	5	85	0	80
U. AL Huntsville, The	524	3	21	32	3	372	6	87
U. South AL	241	0	4	5	0	22	1	209
Kentucky	1,025	3	39	19	5	413	16	530
U. KY all campuses	538	1	12	3	3	178	12	329
U. Louisville	487	2	27	16	2	235	4	201
Mississippi	548	0	14	21	6	229	1	277
MS State U.	437	0	13	20	6	205	0	193
U. MS all campuses	111	0	1	1	0	24	1	84
Tennessee	1,738	2	46	112	12	805	16	745
East TN State U.	29	0	0	2	0	24	0	3
TN State U.	64	0	2	30	0	15	0	17
TN Technological U.	147	0	0	2	0	37	0	108
U. Memphis, The	190	0	9	16	2	71	0	92
U. TN Chattanooga	90	0	7	13	0	53	0	17
U. TN Health Science Ctr.	26	0	0	2	0	10	0	14
U. TN Knoxville	768	2	15	30	4	390	10	317
Vanderbilt U.	424	0	13	17	6	205	6	177
West South Central	12,840	54	701	432	677	3,724	163	7,089
Arkansas	654	8	12	67	12	318	4	233
U. AR main campus	654	8	12	67	12	318	4	233
Louisiana	1,175	1	27	71	20	288	14	754
LA State U. all campuses	648	1	17	22	15	184	14	395
LA Tech U.	230	0	0	7	2	41	0	180
McNeese State U.	80	0	1	0	1	8	0	70
Southern U. and A&M C. all campuses	44	0	5	34	0	3	0	2
Tulane U.	57	0	1	0	0	28	0	28
U. LA Lafayette	116	0	3	8	2	24	0	79
Oklahoma	1,050	31	15	12	22	307	3	660
Northeastern State U.	19	7	0	0	0	12	0	0
OK State U. all campuses	409	14	2	2	4	101	0	286
U. OK all campuses	492	8	13	9	15	178	0	269
U. Tulsa	130	2	0	1	3	16	3	105
Texas	9,961	14	647	282	623	2,811	142	5,442
Baylor U.	17	0	0	2	1	12	0	2
Lamar U.	317	0	1	4	1	16	0	295
Prairie View A&M U.	90	0	8	50	0	7	2	23
Rice U.	330	0	32	4	18	84	24	168

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/	Asian/Pacific	Black, non-	White, non-		Other or	Temporary
		Alaska Native	Islander	Hispanic	Hispanic	Hispanic	unknown	
Southern Methodist U.	895	10	126	70	74	438	0	177
St. Mary's U. (San Antonio, TX)	66	0	3	1	21	20	11	10
TX A&M U. all campuses	2,223	1	26	56	85	605	31	1,419
TX A&M U. Kingsville ⁹	332	0	2	1	22	13	0	294
TX Tech U.	580	1	15	9	45	260	35	215
U. Houston	637	1	50	17	38	157	20	354
U. Houston-Clear Lake	147	0	18	8	10	51	0	60
U. North TX	69	0	1	1	0	14	0	53
U. TX Arlington	1,030	0	130	19	28	205	0	648
U. TX Austin	1,892	1	131	13	68	681	2	996
U. TX Dallas	543	0	73	9	9	91	2	359
U. TX El Paso	304	0	4	2	84	26	0	188
U. TX Health Science Ctr. San Antonio	26	0	0	1	4	9	0	12
U. TX San Antonio	308	0	20	12	65	102	5	104
U. TX Southwestern Medical Ctr. Dallas	37	0	1	0	5	1	6	24
U. TX Tyler	20	0	3	1	1	10	2	3
U. TX-Pan American	87	0	2	2	43	2	2	36
West TX A&M U.	11	0	1	0	1	7	0	2
Mountain	8,057	44	379	92	367	3,625	691	2,859
Arizona	2,068	17	82	27	71	546	229	1,096
AZ State U. main campus	1,467	6	56	20	49	371	220	745
Northern AZ U.	40	5	0	0	0	30	0	5
U. AZ	561	6	26	7	22	145	9	346
Colorado	2,375	12	113	41	78	1,307	238	586
CO School of Mines	355	1	12	7	9	182	72	72
CO State U.	507	2	14	3	13	280	34	161
CO State U. Pueblo	5	0	0	0	0	1	0	4
U. CO all campuses	1,432	8	85	29	55	789	132	334
U. Denver	76	1	2	2	1	55	0	15
Idaho	468	2	37	5	25	265	48	86
Boise State U.	115	0	6	2	2	77	24	4
ID State U.	81	1	4	0	16	30	0	30
U. ID	272	1	27	3	7	158	24	52
Montana	155	2	20	1	4	111	3	14
MT State U. Bozeman	121	1	20	1	0	91	3	5
MT Tech of the U. MT	34	1	0	0	4	20	0	9
Nevada	452	0	34	6	15	157	57	183
U. NV, Las Vegas	239	0	17	3	11	80	50	78
U. NV, Reno	213	0	17	3	4	77	7	105
New Mexico	944	10	25	8	159	331	61	350
NM Institute of Mining and Technology	108	0	4	1	7	47	5	44
NM State U. all campuses	313	3	4	2	73	52	27	152
U. NM all campuses	523	7	17	5	79	232	29	154
Utah	1,463	1	63	2	15	843	47	492
Brigham Young U. all campuses	364	0	5	0	3	266	31	59
U. UT	777	1	51	2	12	400	16	295
UT State U.	322	0	7	0	0	177	0	138
Wyoming	132	0	5	2	0	65	8	52
U. WY	132	0	5	2	0	65	8	52
Pacific	19,769	52	3,230	323	756	5,378	1,741	8,289

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents							
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	Temporary visa holders	
Alaska	165	4	7	3	4	83	4	60
U. AK Anchorage all campuses	73	4	5	2	2	55	3	2
U. AK Fairbanks all campuses	92	0	2	1	2	28	1	58
California	16,908	39	2,978	294	694	4,171	1,518	7,214
CA Institute of Technology	488	2	41	10	12	142	0	281
CA State Polytechnic U. Pomona	197	0	61	3	32	55	25	21
CA State Polytechnic U. San Luis Obispo	254	1	56	4	13	142	30	8
CA State U. Chico	1	0	0	1	0	0	0	0
CA State U. Dominguez Hills	1	0	0	1	0	0	0	0
CA State U. Fresno	79	0	6	1	0	17	5	50
CA State U. Fullerton	158	0	64	3	21	24	9	37
CA State U. Long Beach	398	0	102	18	45	79	50	104
CA State U. Los Angeles	189	0	54	14	27	26	17	51
CA State U. Northridge	383	0	67	12	47	95	44	118
CA State U. Sacramento	232	0	43	8	8	47	21	105
Humboldt State U.	10	0	0	0	1	5	2	2
Loyola Marymount U.	72	0	15	4	18	29	0	6
National U.	78	0	13	7	9	34	10	5
Naval Postgraduate School ^a	592	0	13	28	23	257	206	65
San Diego State U.	323	1	41	3	18	70	24	166
San Francisco State U.	52	0	17	2	4	10	3	16
San Jose State U.	1,840	2	514	19	34	143	91	1,037
Santa Clara U.	404	0	131	5	25	88	63	92
Stanford U.	3,038	5	383	46	85	733	311	1,475
U. CA, Berkeley	1,506	12	187	34	57	535	154	527
U. CA, Davis	770	2	127	5	23	244	97	272
U. CA, Irvine	552	1	111	3	19	96	62	260
U. CA, Los Angeles	1,010	1	253	7	35	222	55	437
U. CA, Riverside	175	0	12	1	10	16	7	129
U. CA, San Diego	767	3	171	8	17	270	40	258
U. CA, San Francisco	69	1	20	0	4	29	6	9
U. CA, Santa Barbara	484	1	44	5	4	193	42	195
U. CA, Santa Cruz	169	2	29	2	4	44	23	65
U. Southern CA	2,617	5	403	40	99	526	121	1,423
Hawaii	206	1	56	0	3	44	9	93
U. HI Manoa	206	1	56	0	3	44	9	93
Oregon	950	2	81	7	16	360	52	432
OGI School of Science & Engineering at OR Health & Science U.	36	0	11	0	0	21	2	2
OR State U.	474	1	32	3	4	229	26	179
Portland State U.	438	1	38	3	12	110	23	251
U. Portland	2	0	0	1	0	0	1	0
Washington	1,540	6	108	19	39	720	158	490
Central WA U.	15	0	1	2	1	10	1	0
Seattle U. ^a	55	0	6	1	0	21	13	14
St. Martin's U.	22	0	0	1	0	0	21	0
U. WA	1,089	5	98	14	27	511	119	315
WA State U.	359	1	3	1	11	178	4	161

TABLE 34. Graduate engineering students in all institutions, by region, state, institution, and citizenship, and by race/ethnicity of U.S. citizens and permanent residents: 2006

Region, state, and institution	U.S. citizens and permanent residents						Temporary visa holders
	Total	American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	White, non- Hispanic	Other or unknown	
Outlying areas	340	0	0	0	340	0	0
Puerto Rico	340	0	0	0	340	0	0
U. PR Mayaguez Campus	340	0	0	0	340	0	0

^a Institution did not respond to the 2006 survey; all 2006 data are imputed.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 35. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	443,104	443,542	459,438	487,645	510,335	518,641	527,048	542,073
Science and engineering	372,885	374,750	389,864	413,319	430,065	432,748	436,320	445,037
Science	276,660	275,912	285,994	300,238	310,580	316,260	321,920	328,413
Agricultural sciences	11,587	11,296	11,468	11,914	12,454	12,573	12,271	12,133
Biological sciences	53,624	53,052	54,489	57,802	60,923	62,834	64,540	65,861
Anatomy	749	795	735	906	908	897	938	961
Biochemistry	5,060	4,925	4,855	5,148	5,473	5,520	5,720	5,713
Biology	11,623	11,133	11,127	11,575	12,328	13,031	13,115	13,789
Biometry/epidemiology	3,704	3,615	3,817	4,071	4,439	4,674	4,805	4,789
Biophysics	710	751	877	953	1,032	1,180	1,183	1,203
Botany	1,965	1,894	1,913	1,966	1,900	1,830	1,859	1,848
Cell biology	4,469	4,647	4,747	5,209	5,521	5,697	6,030	6,388
Ecology	1,576	1,609	1,746	1,787	2,057	2,022	2,019	2,019
Entomology/parasitology	1,145	1,104	1,170	1,191	1,206	1,241	1,126	1,114
Genetics	1,730	1,655	1,776	1,841	2,008	2,077	2,095	2,096
Microbiology/immunology/virology	4,795	4,799	4,785	5,188	5,232	5,357	5,377	5,307
Nutrition	4,209	4,151	4,167	4,272	4,323	4,377	4,416	4,659
Pathology	1,580	1,531	1,637	1,613	1,541	1,557	1,593	1,612
Pharmacology	2,757	2,963	3,140	3,234	3,357	3,122	3,114	2,985
Physiology	2,064	1,993	1,944	2,053	2,179	2,240	2,221	2,238
Zoology	1,519	1,443	1,409	1,347	1,300	1,234	1,261	1,143
Biological sciences, nec	3,969	4,044	4,644	5,448	6,119	6,778	7,668	7,997
Computer sciences	36,477	40,342	44,853	48,403	47,058	44,462	43,080	43,032
Earth, atmospheric, and ocean sciences	13,066	12,964	12,878	13,257	13,628	14,149	13,981	14,032
Atmospheric sciences	906	956	918	1,027	1,138	1,077	1,139	1,071
Geosciences	6,309	6,283	6,219	6,332	6,515	6,944	6,904	6,856
Oceanography	2,498	2,545	2,471	2,518	2,584	2,705	2,659	2,674
Earth/atmospheric/ocean sciences, nec	3,353	3,180	3,270	3,380	3,391	3,423	3,279	3,431
Mathematical sciences	14,773	14,418	15,315	16,601	17,615	18,254	18,570	19,037
Mathematics/applied mathematics	12,081	11,633	12,281	13,202	13,803	14,383	14,572	15,004
Statistics	2,692	2,785	3,034	3,399	3,812	3,871	3,998	4,033
Physical sciences	29,889	29,589	30,277	31,486	33,465	34,866	35,435	35,928
Astronomy	832	888	916	990	1,080	1,119	1,191	1,211
Chemistry	17,846	17,526	17,845	18,505	19,513	20,219	20,483	20,716
Physics	10,703	10,680	11,069	11,489	12,344	13,082	13,274	13,509
Physical sciences, nec	508	495	447	502	528	446	487	492
Psychology	41,650	40,348	40,811	41,227	42,120	43,704	46,289	47,217
Clinical psychology	11,531	11,361	11,337	11,330	11,792	12,220	12,773	12,501
Psychology, general	12,375	11,831	12,057	11,613	11,672	11,640	12,126	12,133
Psychology, nec	17,744	17,156	17,417	18,284	18,656	19,844	21,390	22,583
Social sciences	75,594	73,903	75,903	79,548	83,317	85,418	87,754	91,173
Agricultural economics	2,014	2,079	2,161	2,187	2,318	2,195	2,121	2,151
Anthropology (cultural/social)	7,275	7,286	7,203	7,166	7,417	7,413	7,387	7,726
Economics (except agricultural)	10,065	10,225	10,901	11,380	11,540	11,649	11,160	11,438
Geography	3,830	3,648	3,923	3,951	4,255	4,295	4,259	4,228
History and philosophy of science	520	488	511	489	527	624	716	742
Linguistics	2,570	2,456	2,505	2,564	2,699	2,673	2,919	2,821
Political science	26,808	26,367	27,001	29,686	31,347	33,097	34,701	36,118
Sociology	8,031	7,816	7,914	7,998	8,054	7,914	8,135	8,214
Sociology/anthropology	719	728	788	710	757	811	825	818
Social sciences, nec	13,762	12,810	12,996	13,417	14,403	14,747	15,531	16,917
Engineering	96,225	98,838	103,870	113,081	119,485	116,488	114,400	116,624
Aerospace engineering	3,290	3,337	3,396	3,627	3,969	3,997	4,055	4,357

TABLE 35. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	986	943	947	952	1,058	1,041	1,059	1,073
Biomedical engineering	3,017	3,144	3,534	4,288	5,250	5,749	6,015	6,430
Chemical engineering	6,821	6,996	6,840	7,290	7,376	7,334	7,054	7,151
Civil engineering	15,472	15,815	16,012	17,032	18,156	17,881	17,455	17,158
Electrical engineering	29,631	31,360	33,760	37,208	38,326	36,132	35,248	35,948
Engineering science	1,604	1,601	1,759	1,985	2,187	2,134	1,910	1,967
Industrial engineering	10,982	11,363	12,082	13,261	13,481	12,951	12,760	12,959
Mechanical engineering	14,321	14,609	15,245	16,483	17,547	17,128	16,681	17,156
Metallurgical/materials engineering	4,404	4,309	4,660	4,933	5,075	4,998	5,115	5,223
Mining engineering	320	276	229	256	266	298	265	238
Nuclear engineering	830	792	801	795	885	971	1,013	1,099
Petroleum engineering	630	621	652	759	847	843	806	808
Engineering, nec	3,917	3,672	3,953	4,212	5,062	5,031	4,964	5,057
Health fields	70,219	68,792	69,574	74,326	80,270	85,893	90,728	97,036
Clinical medicine	16,481	15,692	16,602	18,164	19,507	19,863	20,403	22,425
Anesthesiology	642	623	698	696	891	1,027	1,042	1,042
Cardiology	63	53	50	43	36	39	33	32
Endocrinology	67	57	53	60	80	63	56	42
Gastroenterology	7	14	7	7	11	16	7	18
Hematology	5	6	6	13	25	30	13	14
Neurology	1,907	1,982	2,136	2,513	2,665	2,642	2,763	2,959
Obstetrics/gynecology	16	16	28	23	28	17	21	54
Oncology/cancer research	250	239	261	231	234	274	331	341
Ophthalmology	49	58	46	181	413	423	394	414
Otorhinolaryngology	3	9	4	8	9	12	12	14
Pediatrics	316	403	380	463	429	424	278	284
Preventive medicine/community health	11,607	10,536	10,794	11,487	11,911	11,946	12,131	13,821
Psychiatry	87	141	229	268	216	348	250	274
Pulmonary disease	6	7	8	5	14	7	27	10
Radiology	187	168	198	217	246	211	215	225
Surgery	122	147	130	86	84	75	88	105
Clinical medicine, nec	1,147	1,233	1,574	1,863	2,215	2,309	2,742	2,776
Other health	53,738	53,100	52,972	56,162	60,763	66,030	70,325	74,611
Dental sciences	1,467	1,430	1,494	1,446	1,654	1,946	1,748	1,614
Nursing	21,060	19,777	19,813	20,758	22,160	25,081	26,699	29,760
Pharmaceutical sciences	3,398	3,592	3,666	4,529	5,492	5,218	6,088	6,311
Speech pathology/audiology	10,211	10,423	10,065	10,342	10,699	11,010	11,851	11,892
Veterinary sciences	1,314	1,367	1,476	1,691	1,719	1,732	1,970	2,067
Other health, nec	16,288	16,511	16,458	17,396	19,039	21,043	21,969	22,967

nec = not elsewhere classified.

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

TABLE 36. Graduate students in science, engineering, and health fields in public doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	309,068	312,258	322,726	345,214	363,967	363,543	366,019	372,074
Science and engineering	258,445	261,880	272,089	291,012	305,506	302,992	303,409	306,122
Science	189,254	189,354	195,573	206,131	215,443	216,561	219,780	222,064
Agricultural sciences	11,169	10,832	10,960	11,365	11,831	11,988	11,689	11,561
Biological sciences	37,974	37,593	38,376	40,719	43,285	43,632	45,094	45,934
Anatomy	562	591	552	655	643	611	646	607
Biochemistry	3,561	3,499	3,474	3,626	3,887	3,821	4,012	3,982
Biology	8,230	7,951	7,910	8,330	8,913	9,338	9,524	10,027
Biometry/epidemiology	2,200	2,192	2,356	2,635	2,856	2,724	2,782	2,881
Biophysics	416	449	533	613	680	732	739	772
Botany	1,825	1,803	1,827	1,901	1,826	1,759	1,787	1,773
Cell biology	2,816	2,980	3,080	3,387	3,607	3,640	3,903	4,149
Ecology	1,456	1,483	1,583	1,579	1,843	1,841	1,806	1,810
Entomology/parasitology	1,087	1,055	1,119	1,138	1,158	1,197	1,094	1,079
Genetics	1,115	1,052	1,121	1,112	1,253	1,231	1,285	1,286
Microbiology/immunology/virology	3,215	3,200	3,191	3,388	3,377	3,389	3,405	3,336
Nutrition	3,408	3,227	3,220	3,225	3,333	3,367	3,527	3,653
Pathology	1,053	1,015	1,033	984	995	998	958	1,006
Pharmacology	1,848	2,058	2,039	2,070	2,283	2,025	2,104	1,923
Physiology	1,305	1,175	1,111	1,179	1,248	1,274	1,272	1,358
Zoology	1,461	1,406	1,354	1,287	1,244	1,204	1,254	1,138
Biological sciences, nec	2,416	2,457	2,873	3,610	4,139	4,481	4,996	5,154
Computer sciences	22,934	25,195	27,387	29,896	30,088	27,826	27,166	26,903
Earth, atmospheric, and ocean sciences	10,968	10,901	10,743	11,077	11,428	11,823	11,641	11,656
Atmospheric sciences	889	931	891	991	1,102	1,033	1,082	1,039
Geosciences	5,150	5,145	5,065	5,155	5,362	5,717	5,689	5,627
Oceanography	2,091	2,142	2,108	2,124	2,165	2,276	2,181	2,196
Earth/atmospheric/ocean sciences, nec	2,838	2,683	2,679	2,807	2,799	2,797	2,689	2,794
Mathematical sciences	11,137	11,111	11,899	12,876	13,737	14,144	14,422	14,594
Mathematics/applied mathematics	8,964	8,941	9,529	10,172	10,691	11,064	11,300	11,457
Statistics	2,173	2,170	2,370	2,704	3,046	3,080	3,122	3,137
Physical sciences	21,859	21,758	22,211	23,157	24,579	25,685	26,341	26,520
Astronomy	511	542	538	566	637	663	690	679
Chemistry	13,124	12,989	13,189	13,671	14,378	14,928	15,309	15,394
Physics	7,724	7,741	8,050	8,438	9,043	9,655	9,862	9,963
Physical sciences, nec	500	486	434	482	521	439	480	484
Psychology	21,350	20,809	20,856	21,620	22,049	21,844	22,244	22,204
Clinical psychology	3,057	3,072	2,969	3,020	3,022	3,104	2,972	3,006
Psychology, general	8,040	7,603	7,677	7,742	8,018	7,924	8,483	8,752
Psychology, nec	10,253	10,134	10,210	10,858	11,009	10,816	10,789	10,446
Social sciences	51,863	51,155	53,141	55,421	58,446	59,619	61,183	62,692
Agricultural economics	1,949	2,019	2,099	2,126	2,246	2,110	2,049	2,081
Anthropology (cultural/social)	5,282	5,302	5,259	5,237	5,507	5,546	5,497	5,800
Economics (except agricultural)	6,508	6,546	7,042	7,548	7,771	8,008	7,689	7,834
Geography	3,505	3,327	3,621	3,675	3,956	3,999	3,986	3,921
History and philosophy of science	313	288	313	290	315	406	477	515
Linguistics	1,834	1,761	1,805	1,886	1,995	2,027	2,061	2,203
Political science	16,178	15,930	16,733	18,028	19,194	20,099	20,618	20,686
Sociology	5,924	5,791	5,926	6,013	6,005	5,958	6,121	6,186
Sociology/anthropology	605	602	620	592	623	676	687	711
Social sciences, nec	9,765	9,589	9,723	10,026	10,834	10,790	11,998	12,755
Engineering	69,191	72,526	76,516	84,881	90,063	86,431	83,629	84,058
Aerospace engineering	2,308	2,350	2,390	2,609	2,859	2,935	2,964	3,154

TABLE 36. Graduate students in science, engineering, and health fields in public doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	940	889	879	888	993	979	999	1,011
Biomedical engineering	1,939	2,002	2,156	2,732	3,498	3,688	3,793	3,984
Chemical engineering	4,859	5,060	4,898	5,359	5,431	5,352	5,072	5,052
Civil engineering	12,135	12,521	12,805	13,607	14,722	14,487	14,136	13,783
Electrical engineering	20,056	21,976	23,857	26,965	28,104	26,032	24,978	25,047
Engineering science	1,102	986	1,085	1,221	1,471	1,349	1,078	1,088
Industrial engineering	7,705	8,239	8,786	9,751	9,415	8,766	8,163	8,270
Mechanical engineering	11,004	11,374	11,864	13,220	13,898	13,168	12,536	12,686
Metallurgical/materials engineering	3,064	3,121	3,424	3,664	3,762	3,741	3,947	4,010
Mining engineering	214	264	224	252	261	298	265	238
Nuclear engineering	716	672	691	686	773	872	913	992
Petroleum engineering	531	525	534	631	727	706	690	696
Engineering, nec	2,618	2,547	2,923	3,296	4,149	4,058	4,095	4,047
Health fields	50,623	50,378	50,637	54,202	58,461	60,551	62,610	65,952
Clinical medicine	10,134	10,014	10,459	11,341	12,022	11,906	12,207	12,447
Anesthesiology	303	352	405	426	537	565	544	547
Cardiology	34	26	25	16	9	0	0	3
Endocrinology	67	57	53	58	78	62	56	42
Gastroenterology	7	14	7	7	11	16	7	18
Hematology	5	6	6	7	13	23	13	14
Neurology	999	1,073	1,173	1,430	1,540	1,419	1,477	1,548
Obstetrics/gynecology	13	8	20	13	13	3	10	16
Oncology/cancer research	145	143	146	123	116	137	186	179
Ophthalmology	49	58	46	178	399	404	392	406
Otorhinolaryngology	3	6	4	8	9	12	12	12
Pediatrics	243	257	287	362	361	355	211	211
Preventive medicine/community health	7,248	6,843	6,959	7,235	7,373	7,170	7,367	7,531
Psychiatry	58	78	189	215	171	302	197	236
Pulmonary disease	1	1	1	5	14	6	26	9
Radiology	135	126	153	175	181	185	192	198
Surgery	118	139	122	78	75	68	81	99
Clinical medicine, nec	706	827	863	1,005	1,122	1,179	1,436	1,378
Other health	40,489	40,364	40,178	42,861	46,439	48,645	50,403	53,505
Dental sciences	1,199	1,213	1,239	1,205	1,365	1,629	1,447	1,311
Nursing	16,985	16,104	16,056	16,941	18,189	20,165	20,405	22,280
Pharmaceutical sciences	2,672	2,949	2,972	3,707	4,517	3,964	4,302	4,257
Speech pathology/audiology	8,239	8,356	8,058	7,926	8,101	8,028	8,621	8,769
Veterinary sciences	1,267	1,322	1,430	1,638	1,667	1,674	1,858	1,951
Other health, nec	10,127	10,420	10,423	11,444	12,600	13,185	13,770	14,937

nec = not elsewhere classified.

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

TABLE 37. Graduate students in science, engineering, and health fields in private doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	134,036	131,284	136,712	142,431	146,368	155,098	161,029	169,999
Science and engineering	114,440	112,870	117,775	122,307	124,559	129,756	132,911	138,915
Science	87,406	86,558	90,421	94,107	95,137	99,699	102,140	106,349
Agricultural sciences	418	464	508	549	623	585	582	572
Biological sciences	15,650	15,459	16,113	17,083	17,638	19,202	19,446	19,927
Anatomy	187	204	183	251	265	286	292	354
Biochemistry	1,499	1,426	1,381	1,522	1,586	1,699	1,708	1,731
Biology	3,393	3,182	3,217	3,245	3,415	3,693	3,591	3,762
Biometry/epidemiology	1,504	1,423	1,461	1,436	1,583	1,950	2,023	1,908
Biophysics	294	302	344	340	352	448	444	431
Botany	140	91	86	65	74	71	72	75
Cell biology	1,653	1,667	1,667	1,822	1,914	2,057	2,127	2,239
Ecology	120	126	163	208	214	181	213	209
Entomology/parasitology	58	49	51	53	48	44	32	35
Genetics	615	603	655	729	755	846	810	810
Microbiology/immunology/virology	1,580	1,599	1,594	1,800	1,855	1,968	1,972	1,971
Nutrition	801	924	947	1,047	990	1,010	889	1,006
Pathology	527	516	604	629	546	559	635	606
Pharmacology	909	905	1,101	1,164	1,074	1,097	1,010	1,062
Physiology	759	818	833	874	931	966	949	880
Zoology	58	37	55	60	56	30	7	5
Biological sciences, nec	1,553	1,587	1,771	1,838	1,980	2,297	2,672	2,843
Computer sciences	13,543	15,147	17,466	18,507	16,970	16,636	15,914	16,129
Earth, atmospheric, and ocean sciences	2,098	2,063	2,135	2,180	2,200	2,326	2,340	2,376
Atmospheric sciences	17	25	27	36	36	44	57	32
Geosciences	1,159	1,138	1,154	1,177	1,153	1,227	1,215	1,229
Oceanography	407	403	363	394	419	429	478	478
Earth/atmospheric/ocean sciences, nec	515	497	591	573	592	626	590	637
Mathematical sciences	3,636	3,307	3,416	3,725	3,878	4,110	4,148	4,443
Mathematics/applied mathematics	3,117	2,692	2,752	3,030	3,112	3,319	3,272	3,547
Statistics	519	615	664	695	766	791	876	896
Physical sciences	8,030	7,831	8,066	8,329	8,886	9,181	9,094	9,408
Astronomy	321	346	378	424	443	456	501	532
Chemistry	4,722	4,537	4,656	4,834	5,135	5,291	5,174	5,322
Physics	2,979	2,939	3,019	3,051	3,301	3,427	3,412	3,546
Physical sciences, nec	8	9	13	20	7	7	7	8
Psychology	20,300	19,539	19,955	19,607	20,071	21,860	24,045	25,013
Clinical psychology	8,474	8,289	8,368	8,310	8,770	9,116	9,801	9,495
Psychology, general	4,335	4,228	4,380	3,871	3,654	3,716	3,643	3,381
Psychology, nec	7,491	7,022	7,207	7,426	7,647	9,028	10,601	12,137
Social sciences	23,731	22,748	22,762	24,127	24,871	25,799	26,571	28,481
Agricultural economics	65	60	62	61	72	85	72	70
Anthropology (cultural/social)	1,993	1,984	1,944	1,929	1,910	1,867	1,890	1,926
Economics (except agricultural)	3,557	3,679	3,859	3,832	3,769	3,641	3,471	3,604
Geography	325	321	302	276	299	296	273	307
History and philosophy of science	207	200	198	199	212	218	239	227
Linguistics	736	695	700	678	704	646	858	618
Political science	10,630	10,437	10,268	11,658	12,153	12,998	14,083	15,432
Sociology	2,107	2,025	1,988	1,985	2,049	1,956	2,014	2,028
Sociology/anthropology	114	126	168	118	134	135	138	107
Social sciences, nec	3,997	3,221	3,273	3,391	3,569	3,957	3,533	4,162
Engineering	27,034	26,312	27,354	28,200	29,422	30,057	30,771	32,566
Aerospace engineering	982	987	1,006	1,018	1,110	1,062	1,091	1,203

TABLE 37. Graduate students in science, engineering, and health fields in private doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	46	54	68	64	65	62	60	62
Biomedical engineering	1,078	1,142	1,378	1,556	1,752	2,061	2,222	2,446
Chemical engineering	1,962	1,936	1,942	1,931	1,945	1,982	1,982	2,099
Civil engineering	3,337	3,294	3,207	3,425	3,434	3,394	3,319	3,375
Electrical engineering	9,575	9,384	9,903	10,243	10,222	10,100	10,270	10,901
Engineering science	502	615	674	764	716	785	832	879
Industrial engineering	3,277	3,124	3,296	3,510	4,066	4,185	4,597	4,689
Mechanical engineering	3,317	3,235	3,381	3,263	3,649	3,960	4,145	4,470
Metallurgical/materials engineering	1,340	1,188	1,236	1,269	1,313	1,257	1,168	1,213
Mining engineering	106	12	5	4	5	0	0	0
Nuclear engineering	114	120	110	109	112	99	100	107
Petroleum engineering	99	96	118	128	120	137	116	112
Engineering, nec	1,299	1,125	1,030	916	913	973	869	1,010
Health fields	19,596	18,414	18,937	20,124	21,809	25,342	28,118	31,084
Clinical medicine	6,347	5,678	6,143	6,823	7,485	7,957	8,196	9,978
Anesthesiology	339	271	293	270	354	462	498	495
Cardiology	29	27	25	27	27	39	33	29
Endocrinology	0	0	0	2	2	1	0	0
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	6	12	7	0	0
Neurology	908	909	963	1,083	1,125	1,223	1,286	1,411
Obstetrics/gynecology	3	8	8	10	15	14	11	38
Oncology/cancer research	105	96	115	108	118	137	145	162
Ophthalmology	0	0	0	3	14	19	2	8
Otorhinolaryngology	0	3	0	0	0	0	0	2
Pediatrics	73	146	93	101	68	69	67	73
Preventive medicine/community health	4,359	3,693	3,835	4,252	4,538	4,776	4,764	6,290
Psychiatry	29	63	40	53	45	46	53	38
Pulmonary disease	5	6	7	0	0	1	1	1
Radiology	52	42	45	42	65	26	23	27
Surgery	4	8	8	8	9	7	7	6
Clinical medicine, nec	441	406	711	858	1,093	1,130	1,306	1,398
Other health	13,249	12,736	12,794	13,301	14,324	17,385	19,922	21,106
Dental sciences	268	217	255	241	289	317	301	303
Nursing	4,075	3,673	3,757	3,817	3,971	4,916	6,294	7,480
Pharmaceutical sciences	726	643	694	822	975	1,254	1,786	2,054
Speech pathology/audiology	1,972	2,067	2,007	2,416	2,598	2,982	3,230	3,123
Veterinary sciences	47	45	46	53	52	58	112	116
Other health, nec	6,161	6,091	6,035	5,952	6,439	7,858	8,199	8,030

nec = not elsewhere classified.

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

TABLE 38. Graduate students in science and engineering fields in doctorate-granting institutions, by enrollment status, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 1999–2006

Enrollment status, citizenship, and race/ethnicity	1999	2000	2001	2002	2003	2004	2005	2006
Full-time and part-time enrollment	372,885	374,750	389,864	413,319	430,065	432,748	436,320	445,037
U.S. citizens and permanent residents	266,861	256,799	260,819	273,328	288,123	294,384	301,565	308,425
American Indian/Alaska Native	1,326	1,366	1,449	1,510	1,626	1,583	1,683	1,843
Asian/Pacific Islander	23,773	21,411	22,519	24,530	26,226	25,941	26,162	26,567
Black, non-Hispanic	17,283	17,658	17,925	19,054	20,279	20,611	21,160	21,850
Hispanic	14,263	14,532	15,183	16,519	17,843	18,712	19,760	20,420
White, non-Hispanic	195,578	185,560	185,963	192,657	200,716	203,493	204,845	208,070
Other or unknown	14,638	16,272	17,780	19,058	21,433	24,044	27,955	29,675
Temporary visa holders	106,024	117,951	129,045	139,991	141,942	138,364	134,755	136,612
Full-time enrollment	269,103	275,460	287,755	308,028	320,469	322,655	323,371	331,382
U.S. citizens and permanent residents	177,644	172,932	175,313	186,155	197,640	202,854	205,484	210,783
American Indian/Alaska Native	923	984	1,025	1,054	1,127	1,131	1,153	1,308
Asian/Pacific Islander	16,598	14,705	15,574	17,038	18,100	18,195	18,131	18,734
Black, non-Hispanic	10,192	10,832	10,737	11,505	12,082	12,634	12,596	13,262
Hispanic	9,465	9,754	10,212	11,281	12,318	12,893	13,392	13,885
White, non-Hispanic	132,379	127,173	127,401	133,820	140,504	142,931	143,048	145,374
Other or unknown	8,087	9,484	10,364	11,457	13,509	15,070	17,164	18,220
Temporary visa holders	91,459	102,528	112,442	121,873	122,829	119,801	117,887	120,599
Part-time enrollment	103,782	99,290	102,109	105,291	109,596	110,093	112,949	113,655
U.S. citizens and permanent residents	89,217	83,867	85,506	87,173	90,483	91,530	96,081	97,642
American Indian/Alaska Native	403	382	424	456	499	452	530	535
Asian/Pacific Islander	7,175	6,706	6,945	7,492	8,126	7,746	8,031	7,833
Black, non-Hispanic	7,091	6,826	7,188	7,549	8,197	7,977	8,564	8,588
Hispanic	4,798	4,778	4,971	5,238	5,525	5,819	6,368	6,535
White, non-Hispanic	63,199	58,387	58,562	58,837	60,212	60,562	61,797	62,696
Other or unknown	6,551	6,788	7,416	7,601	7,924	8,974	10,791	11,455
Temporary visa holders	14,565	15,423	16,603	18,118	19,113	18,563	16,868	16,013

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

TABLE 39. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
All surveyed fields	542,073	2,343	33,325	29,918	25,870	269,723	36,346	144,548
Science and engineering	445,037	1,843	26,567	21,850	20,420	208,070	29,675	136,612
Science	328,413	1,571	18,450	18,418	16,399	166,636	23,252	83,687
Agricultural sciences	12,133	69	274	439	475	7,813	463	2,600
Biological sciences	65,861	291	5,297	2,852	2,950	34,748	3,111	16,612
Anatomy	961	2	85	40	51	523	45	215
Biochemistry	5,713	21	446	171	237	2,589	177	2,072
Biology	13,789	54	788	702	703	7,676	790	3,076
Biometry/epidemiology	4,789	18	587	276	193	2,208	271	1,236
Biophysics	1,203	7	113	29	32	592	45	385
Botany	1,848	12	84	24	61	902	63	702
Cell biology	6,388	32	683	195	312	3,066	316	1,784
Ecology	2,019	9	57	23	76	1,447	153	254
Entomology/parasitology	1,114	8	30	19	42	689	36	290
Genetics	2,096	11	167	65	59	1,115	93	586
Microbiology/immunology/virology	5,307	21	500	258	308	2,883	238	1,099
Nutrition	4,659	12	233	252	166	2,640	213	1,143
Pathology	1,612	4	166	78	59	919	66	320
Pharmacology	2,985	22	330	164	145	1,469	113	742
Physiology	2,238	9	304	103	97	1,160	103	462
Zoology	1,143	12	29	12	27	827	39	197
Biological sciences, nec	7,997	37	695	441	382	4,043	350	2,049
Computer sciences	43,032	92	3,591	1,571	998	14,598	3,069	19,113
Earth, atmospheric, and ocean sciences	14,032	66	347	238	484	9,487	701	2,709
Atmospheric sciences	1,071	1	35	26	30	685	38	256
Geosciences	6,856	34	126	69	189	4,660	364	1,414
Oceanography	2,674	11	53	41	149	1,824	98	498
Earth/atmospheric/ocean sciences, nec	3,431	20	133	102	116	2,318	201	541
Mathematical sciences	19,037	52	1,183	570	536	8,298	990	7,408
Mathematics/applied mathematics	15,004	48	894	470	468	7,054	864	5,206
Statistics	4,033	4	289	100	68	1,244	126	2,202
Physical sciences	35,928	108	1,628	941	1,193	15,910	1,601	14,547
Astronomy	1,211	8	54	11	27	683	62	366
Chemistry	20,716	73	1,075	681	791	9,078	894	8,124
Physics	13,509	25	477	214	350	5,853	621	5,969
Physical sciences, nec	492	2	22	35	25	296	24	88
Psychology	47,217	258	2,177	3,973	4,038	28,740	5,397	2,634
Clinical psychology	12,501	71	588	788	1,585	7,615	1,447	407
Psychology, general	12,133	70	642	986	695	8,097	721	922
Psychology, nec	22,583	117	947	2,199	1,758	13,028	3,229	1,305
Social sciences	91,173	635	3,953	7,834	5,725	47,042	7,920	18,064
Agricultural economics	2,151	15	52	66	53	905	78	982
Anthropology (cultural/social)	7,726	136	299	272	436	5,024	641	918
Economics (except agricultural)	11,438	16	508	298	314	3,555	498	6,249
Geography	4,228	27	145	139	130	2,879	197	711
History and philosophy of science	742	6	27	21	16	541	44	87
Linguistics	2,821	21	156	43	102	1,382	217	900
Political science	36,118	197	1,656	3,886	2,525	18,572	4,223	5,059
Sociology	8,214	44	386	865	543	4,692	436	1,248
Sociology/anthropology	818	7	11	97	56	517	38	92
Social sciences, nec	16,917	166	713	2,147	1,550	8,975	1,548	1,818

TABLE 39. Graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents					Other or unknown	Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic		
Engineering	116,624	272	8,117	3,432	4,021	41,434	6,423	52,925
Aerospace engineering	4,357	10	301	79	128	1,901	479	1,459
Agricultural engineering	1,073	5	34	27	16	425	17	549
Biomedical engineering	6,430	18	876	203	237	2,580	333	2,183
Chemical engineering	7,151	20	455	149	271	2,530	182	3,544
Civil engineering	17,158	59	835	494	932	7,734	851	6,253
Electrical engineering	35,948	45	2,993	776	922	8,450	1,792	20,970
Engineering science	1,967	9	149	40	40	783	71	875
Industrial engineering	12,959	44	952	731	596	5,164	1,071	4,401
Mechanical engineering	17,156	31	855	404	545	7,057	772	7,492
Metallurgical/materials engineering	5,223	8	331	128	96	1,909	190	2,561
Mining engineering	238	1	1	3	4	104	11	114
Nuclear engineering	1,099	2	45	18	60	603	52	319
Petroleum engineering	808	0	15	24	22	117	17	613
Engineering, nec	5,057	20	275	356	152	2,077	585	1,592
Health fields	97,036	500	6,758	8,068	5,450	61,653	6,671	7,936
Clinical medicine	22,425	112	2,259	2,239	1,687	11,299	2,128	2,701
Anesthesiology	1,042	5	59	72	17	842	35	12
Cardiology	32	0	2	1	0	13	0	16
Endocrinology	42	0	4	2	3	23	0	10
Gastroenterology	18	0	3	1	0	10	3	1
Hematology	14	0	2	0	0	10	0	2
Neurology	2,959	12	299	121	135	1,638	149	605
Obstetrics/gynecology	54	0	9	2	4	36	0	3
Oncology/cancer research	341	0	35	9	15	208	3	71
Ophthalmology	414	2	158	3	14	183	36	18
Otorhinolaryngology	14	0	5	1	0	7	0	1
Pediatrics	284	3	27	26	9	148	17	54
Preventive medicine/community health	13,821	77	1,276	1,789	1,170	6,465	1,450	1,594
Psychiatry	274	1	7	11	71	153	21	10
Pulmonary disease	10	1	1	0	1	6	0	1
Radiology	225	2	28	5	10	105	11	64
Surgery	105	0	21	5	2	72	3	2
Clinical medicine, nec	2,776	9	323	191	236	1,380	400	237
Other health	74,611	388	4,499	5,829	3,763	50,354	4,543	5,235
Dental sciences	1,614	3	198	43	82	931	53	304
Nursing	29,760	205	1,429	2,718	1,430	21,464	1,867	647
Pharmaceutical sciences	6,311	16	1,012	591	226	2,207	344	1,915
Speech pathology/audiology	11,892	50	343	512	692	9,163	669	463
Veterinary sciences	2,067	7	75	69	44	1,314	86	472
Other health, nec	22,967	107	1,442	1,896	1,289	15,275	1,524	1,434

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	313,866	319,923	332,732	355,611	372,366	377,984	381,198	393,138
Science and engineering	269,103	275,460	287,755	308,028	320,469	322,655	323,371	331,382
Science	202,597	204,799	212,073	224,786	232,930	238,039	241,130	246,248
Agricultural sciences	8,950	8,943	8,972	9,205	9,537	9,509	9,185	8,977
Biological sciences	45,403	45,421	46,715	50,066	52,563	54,139	55,836	57,082
Anatomy	708	752	675	820	829	802	844	899
Biochemistry	4,778	4,699	4,617	4,930	5,288	5,294	5,432	5,391
Biology	8,767	8,672	8,766	9,336	10,010	10,499	10,758	11,286
Biometry/epidemiology	2,642	2,562	2,736	3,012	3,208	3,218	3,417	3,495
Biophysics	681	719	837	896	968	1,115	1,120	1,145
Botany	1,757	1,700	1,716	1,789	1,730	1,653	1,666	1,654
Cell biology	4,245	4,388	4,500	4,933	5,189	5,356	5,719	6,103
Ecology	1,230	1,224	1,364	1,396	1,455	1,495	1,568	1,560
Entomology/parasitology	971	979	989	1,001	1,024	1,046	943	947
Genetics	1,633	1,597	1,686	1,770	1,927	1,998	2,010	2,005
Microbiology/immunology/virology	4,471	4,497	4,495	4,895	4,971	5,070	5,058	5,008
Nutrition	3,014	2,999	3,117	3,213	3,185	3,151	3,212	3,264
Pathology	1,364	1,293	1,350	1,340	1,319	1,367	1,375	1,400
Pharmacology	2,579	2,627	2,746	2,823	2,926	2,974	2,905	2,818
Physiology	1,876	1,856	1,811	1,917	2,059	2,094	2,066	2,067
Zoology	1,287	1,234	1,229	1,173	1,093	1,070	1,091	992
Biological sciences, nec	3,400	3,623	4,081	4,822	5,382	5,937	6,652	7,048
Computer sciences	20,550	23,601	27,182	29,866	28,284	27,204	26,524	26,937
Earth, atmospheric, and ocean sciences	10,113	10,197	10,096	10,687	11,076	11,265	10,999	11,102
Atmospheric sciences	791	842	811	915	1,016	958	999	928
Geosciences	5,095	5,128	5,080	5,234	5,404	5,504	5,392	5,372
Oceanography	2,081	2,131	2,017	2,104	2,209	2,252	2,165	2,197
Earth/atmospheric/ocean sciences, nec	2,146	2,096	2,188	2,434	2,447	2,551	2,443	2,605
Mathematical sciences	11,388	11,382	12,040	13,149	13,988	14,357	14,652	14,995
Mathematics/applied mathematics	9,281	9,161	9,608	10,477	11,037	11,394	11,495	11,805
Statistics	2,107	2,221	2,432	2,672	2,951	2,963	3,157	3,190
Physical sciences	26,293	26,136	26,841	28,237	30,060	31,267	31,921	32,368
Astronomy	808	823	860	946	1,023	1,078	1,129	1,158
Chemistry	15,706	15,388	15,831	16,571	17,424	18,022	18,422	18,606
Physics	9,586	9,725	9,930	10,464	11,336	11,931	12,124	12,344
Physical sciences, nec	193	200	220	256	277	236	246	260
Psychology	29,589	29,510	29,168	29,357	30,345	32,111	32,781	32,944
Clinical psychology	9,220	9,151	9,054	8,802	8,968	9,396	9,699	9,382
Psychology, general	9,358	9,323	9,076	8,800	9,269	9,220	9,580	9,619
Psychology, nec	11,011	11,036	11,038	11,755	12,108	13,495	13,502	13,943
Social sciences	50,311	49,609	51,059	54,219	57,077	58,187	59,232	61,843
Agricultural economics	1,685	1,780	1,869	1,974	2,043	1,888	1,826	1,831
Anthropology (cultural/social)	5,631	5,473	5,470	5,625	5,776	5,669	5,729	6,055
Economics (except agricultural)	8,139	8,336	8,932	9,367	9,620	9,663	9,395	9,645
Geography	2,613	2,497	2,738	2,712	2,942	2,952	2,967	2,971
History and philosophy of science	415	389	373	366	379	427	483	508
Linguistics	2,107	2,037	2,088	2,134	2,257	2,259	2,403	2,380
Political science	15,050	14,887	15,128	16,992	18,235	19,327	20,196	21,212
Sociology	5,963	5,875	5,911	6,124	6,307	6,116	6,286	6,382
Sociology/anthropology	507	515	560	549	548	584	591	565
Social sciences, nec	8,201	7,820	7,990	8,376	8,970	9,302	9,356	10,294
Engineering	66,506	70,661	75,682	83,242	87,539	84,616	82,241	85,134
Aerospace engineering	2,623	2,740	2,799	2,970	3,206	3,190	3,150	3,291
Agricultural engineering	797	741	790	796	900	842	855	893

TABLE 40. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Biomedical engineering	2,678	2,806	3,124	3,831	4,691	5,015	5,232	5,641
Chemical engineering	5,572	5,837	5,790	6,226	6,373	6,346	6,110	6,185
Civil engineering	10,931	11,526	11,845	12,718	13,443	13,348	12,958	12,836
Electrical engineering	19,923	22,189	24,442	27,262	27,680	25,783	25,002	26,259
Engineering science	1,027	1,086	1,207	1,424	1,751	1,712	1,589	1,639
Industrial engineering	5,362	5,927	6,369	6,995	6,879	6,352	5,822	6,171
Mechanical engineering	10,226	10,645	11,292	12,347	13,119	12,478	11,984	12,408
Metallurgical/materials engineering	3,534	3,578	3,960	4,227	4,375	4,338	4,491	4,606
Mining engineering	252	182	185	198	208	229	200	177
Nuclear engineering	641	660	651	655	752	809	840	910
Petroleum engineering	523	513	535	644	682	658	629	642
Engineering, nec	2,417	2,231	2,693	2,949	3,480	3,516	3,379	3,476
Health fields	44,763	44,463	44,977	47,583	51,897	55,329	57,827	61,756
Clinical medicine	11,264	10,788	11,428	12,769	14,134	14,466	14,555	16,005
Anesthesiology	575	561	588	556	715	841	842	904
Cardiology	62	53	50	42	30	39	33	32
Endocrinology	66	55	51	59	56	57	52	42
Gastroenterology	7	14	7	7	11	13	3	17
Hematology	3	6	6	8	25	24	9	14
Neurology	1,853	1,922	2,072	2,456	2,573	2,561	2,684	2,883
Obstetrics/gynecology	9	13	18	18	20	13	16	47
Oncology/cancer research	245	225	246	229	232	270	329	340
Ophthalmology	31	41	33	166	393	406	380	389
Otorhinolaryngology	3	8	4	8	9	6	6	8
Pediatrics	276	351	316	363	349	327	225	245
Preventive medicine/community health	6,854	6,197	6,436	6,976	7,528	7,598	7,340	8,374
Psychiatry	50	85	123	127	67	184	117	126
Pulmonary disease	6	7	8	4	10	7	27	10
Radiology	168	151	167	178	208	171	189	183
Surgery	113	128	97	65	67	59	70	85
Clinical medicine, nec	943	971	1,206	1,507	1,841	1,890	2,233	2,306
Other health	33,499	33,675	33,549	34,814	37,763	40,863	43,272	45,751
Dental sciences	1,226	1,301	1,322	1,317	1,514	1,763	1,494	1,340
Nursing	8,260	7,811	7,852	8,684	9,313	9,938	10,808	11,795
Pharmaceutical sciences	2,598	2,774	2,760	2,546	3,515	3,633	4,254	4,480
Speech pathology/audiology	8,128	8,212	7,963	8,007	8,306	8,674	9,015	9,318
Veterinary sciences	1,052	1,154	1,244	1,418	1,391	1,364	1,532	1,663
Other health, nec	12,235	12,423	12,408	12,842	13,724	15,491	16,169	17,155

nec = not elsewhere classified.

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

TABLE 41. U.S. citizen or permanent resident full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	218,148	212,969	215,355	228,016	243,685	252,234	257,136	265,971
Science and engineering	177,644	172,932	175,313	186,155	197,640	202,854	205,484	210,783
Science	146,271	142,716	144,446	152,260	160,138	165,294	167,886	171,566
Agricultural sciences	6,776	6,869	6,776	6,918	7,209	7,115	6,811	6,631
Biological sciences	35,305	34,697	35,376	37,364	38,913	39,611	40,654	41,621
Anatomy	561	580	506	636	639	632	664	689
Biochemistry	3,393	3,160	3,102	3,254	3,449	3,369	3,421	3,400
Biology	7,139	6,967	6,965	7,278	7,810	8,072	8,109	8,514
Biometry/epidemiology	1,988	1,867	1,974	2,059	2,179	2,212	2,412	2,468
Biophysics	530	519	580	609	658	753	751	768
Botany	1,208	1,162	1,170	1,219	1,172	1,088	1,034	993
Cell biology	3,423	3,425	3,429	3,732	3,865	3,835	4,123	4,374
Ecology	1,074	1,064	1,191	1,207	1,236	1,273	1,362	1,342
Entomology/parasitology	693	714	742	745	753	761	673	676
Genetics	1,266	1,237	1,264	1,359	1,432	1,446	1,452	1,430
Microbiology/immunology/virology	3,571	3,605	3,527	3,735	3,849	3,875	3,876	3,941
Nutrition	2,132	2,071	2,124	2,201	2,160	2,168	2,221	2,290
Pathology	1,081	1,006	1,067	1,050	1,001	1,067	1,058	1,092
Pharmacology	2,027	2,016	2,126	2,170	2,185	2,198	2,083	2,099
Physiology	1,443	1,432	1,396	1,482	1,558	1,616	1,621	1,623
Zoology	1,155	1,070	1,047	974	931	897	905	820
Biological sciences, nec	2,621	2,802	3,166	3,654	4,036	4,349	4,889	5,102
Computer sciences	8,771	8,359	9,085	10,850	11,766	11,877	11,491	11,346
Earth, atmospheric, and ocean sciences	7,929	7,820	7,658	8,176	8,589	8,731	8,523	8,621
Atmospheric sciences	534	559	545	614	741	704	725	696
Geosciences	3,994	3,950	3,859	3,980	4,097	4,183	4,112	4,070
Oceanography	1,620	1,643	1,541	1,653	1,747	1,775	1,704	1,722
Earth/atmospheric/ocean sciences, nec	1,781	1,668	1,713	1,929	2,004	2,069	1,982	2,133
Mathematical sciences	6,269	6,062	6,301	6,958	7,407	7,774	8,012	8,271
Mathematics/applied mathematics	5,286	5,090	5,344	5,901	6,268	6,614	6,763	7,032
Statistics	983	972	957	1,057	1,139	1,160	1,249	1,239
Physical sciences	16,032	15,331	15,448	15,936	16,904	17,774	18,249	18,651
Astronomy	574	564	589	651	706	717	773	795
Chemistry	10,129	9,703	9,721	9,801	10,176	10,630	10,863	11,023
Physics	5,201	4,937	5,007	5,313	5,821	6,243	6,429	6,653
Physical sciences, nec	128	127	131	171	201	184	184	180
Psychology	27,975	27,776	27,289	27,346	28,061	29,912	30,456	30,725
Clinical psychology	8,920	8,844	8,719	8,412	8,561	9,073	9,323	9,052
Psychology, general	8,788	8,642	8,344	8,058	8,389	8,343	8,650	8,802
Psychology, nec	10,267	10,290	10,226	10,876	11,111	12,496	12,483	12,871
Social sciences	37,214	35,802	36,513	38,712	41,289	42,500	43,690	45,700
Agricultural economics	878	876	919	999	1,024	985	932	938
Anthropology (cultural/social)	4,936	4,786	4,816	4,908	5,052	4,923	4,968	5,236
Economics (except agricultural)	3,362	3,254	3,351	3,495	3,707	3,813	3,726	3,858
Geography	2,124	1,963	2,131	2,102	2,307	2,310	2,340	2,351
History and philosophy of science	360	323	307	301	315	363	406	422
Linguistics	1,278	1,190	1,223	1,296	1,393	1,371	1,588	1,548
Political science	11,872	11,529	11,681	13,170	14,230	15,308	16,174	16,832
Sociology	4,974	4,814	4,852	4,987	5,132	5,000	5,171	5,280
Sociology/anthropology	444	448	489	489	487	511	508	484
Social sciences, nec	6,986	6,619	6,744	6,965	7,642	7,916	7,877	8,751
Engineering	31,373	30,216	30,867	33,895	37,502	37,560	37,598	39,217
Aerospace engineering	1,270	1,353	1,277	1,421	1,663	1,672	1,689	1,985

TABLE 41. U.S. citizen or permanent resident full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Agricultural engineering	419	399	418	416	451	430	392	388
Biomedical engineering	1,894	1,946	2,084	2,414	2,938	3,160	3,356	3,693
Chemical engineering	2,812	2,764	2,588	2,832	2,893	2,972	2,903	2,957
Civil engineering	6,259	6,171	6,142	6,545	7,110	7,303	7,297	7,354
Electrical engineering	7,264	6,913	7,418	8,090	8,860	8,339	8,362	8,360
Engineering science	561	513	555	683	877	822	806	845
Industrial engineering	2,350	2,238	2,041	2,419	2,584	2,406	2,363	2,663
Mechanical engineering	4,950	4,514	4,704	5,063	5,698	5,679	5,603	5,893
Metallurgical/materials engineering	1,684	1,624	1,759	1,866	1,950	1,983	2,057	2,225
Mining engineering	162	87	93	107	110	128	104	75
Nuclear engineering	343	348	314	340	412	470	515	610
Petroleum engineering	75	184	195	235	92	118	103	104
Engineering, nec	1,330	1,162	1,279	1,464	1,864	2,078	2,048	2,065
Health fields	40,504	40,037	40,042	41,861	46,045	49,380	51,652	55,188
Clinical medicine	9,824	9,466	9,706	10,537	11,934	12,346	12,497	13,749
Anesthesiology	574	559	587	554	702	833	835	893
Cardiology	45	39	34	24	15	23	16	16
Endocrinology	49	42	33	41	32	38	45	32
Gastroenterology	7	13	6	6	9	13	3	16
Hematology	3	2	6	6	18	23	8	12
Neurology	1,592	1,607	1,715	2,034	2,087	2,041	2,125	2,288
Obstetrics/gynecology	8	12	18	16	15	9	10	44
Oncology/cancer research	196	185	199	189	199	225	253	269
Ophthalmology	15	25	24	124	375	383	367	373
Otorhinolaryngology	1	8	4	8	9	6	6	7
Pediatrics	253	319	279	312	308	285	169	200
Preventive medicine/community health	5,922	5,442	5,358	5,548	6,235	6,399	6,278	7,140
Psychiatry	47	83	122	123	58	171	103	117
Pulmonary disease	6	7	8	3	5	7	21	9
Radiology	139	124	134	128	146	114	143	125
Surgery	106	119	90	63	63	52	68	83
Clinical medicine, nec	861	880	1,089	1,358	1,658	1,724	2,047	2,125
Other health	30,680	30,571	30,336	31,324	34,111	37,034	39,155	41,439
Dental sciences	954	965	1,028	999	1,230	1,477	1,252	1,085
Nursing	7,919	7,486	7,550	8,348	8,954	9,555	10,430	11,362
Pharmaceutical sciences	1,550	1,581	1,522	1,233	2,084	2,159	2,659	2,830
Speech pathology/audiology	7,830	7,905	7,631	7,675	7,973	8,344	8,648	8,929
Veterinary sciences	767	847	918	1,081	1,042	1,023	1,151	1,258
Other health, nec	11,660	11,787	11,687	11,988	12,828	14,476	15,015	15,975

nec = not elsewhere classified.

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

TABLE 42. Full-time graduate students with temporary visas in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	95,718	106,954	117,377	127,595	128,681	125,750	124,062	127,167
Science and engineering	91,459	102,528	112,442	121,873	122,829	119,801	117,887	120,599
Science	56,326	62,083	67,627	72,526	72,792	72,745	73,244	74,682
Agricultural sciences	2,174	2,074	2,196	2,287	2,328	2,394	2,374	2,346
Biological sciences	10,098	10,724	11,339	12,702	13,650	14,528	15,182	15,461
Anatomy	147	172	169	184	190	170	180	210
Biochemistry	1,385	1,539	1,515	1,676	1,839	1,925	2,011	1,991
Biology	1,628	1,705	1,801	2,058	2,200	2,427	2,649	2,772
Biometry/epidemiology	654	695	762	953	1,029	1,006	1,005	1,027
Biophysics	151	200	257	287	310	362	369	377
Botany	549	538	546	570	558	565	632	661
Cell biology	822	963	1,071	1,201	1,324	1,521	1,596	1,729
Ecology	156	160	173	189	219	222	206	218
Entomology/parasitology	278	265	247	256	271	285	270	271
Genetics	367	360	422	411	495	552	558	575
Microbiology/immunology/virology	900	892	968	1,160	1,122	1,195	1,182	1,067
Nutrition	882	928	993	1,012	1,025	983	991	974
Pathology	283	287	283	290	318	300	317	308
Pharmacology	552	611	620	653	741	776	822	719
Physiology	433	424	415	435	501	478	445	444
Zoology	132	164	182	199	162	173	186	172
Biological sciences, nec	779	821	915	1,168	1,346	1,588	1,763	1,946
Computer sciences	11,779	15,242	18,097	19,016	16,518	15,327	15,033	15,591
Earth, atmospheric, and ocean sciences	2,184	2,377	2,438	2,511	2,487	2,534	2,476	2,481
Atmospheric sciences	257	283	266	301	275	254	274	232
Geosciences	1,101	1,178	1,221	1,254	1,307	1,321	1,280	1,302
Oceanography	461	488	476	451	462	477	461	475
Earth/atmospheric/ocean sciences, nec	365	428	475	505	443	482	461	472
Mathematical sciences	5,119	5,320	5,739	6,191	6,581	6,583	6,640	6,724
Mathematics/applied mathematics	3,995	4,071	4,264	4,576	4,769	4,780	4,732	4,773
Statistics	1,124	1,249	1,475	1,615	1,812	1,803	1,908	1,951
Physical sciences	10,261	10,805	11,393	12,301	13,156	13,493	13,672	13,717
Astronomy	234	259	271	295	317	361	356	363
Chemistry	5,577	5,685	6,110	6,770	7,248	7,392	7,559	7,583
Physics	4,385	4,788	4,923	5,151	5,515	5,688	5,695	5,691
Physical sciences, nec	65	73	89	85	76	52	62	80
Psychology	1,614	1,734	1,879	2,011	2,284	2,199	2,325	2,219
Clinical psychology	300	307	335	390	407	323	376	330
Psychology, general	570	681	732	742	880	877	930	817
Psychology, nec	744	746	812	879	997	999	1,019	1,072
Social sciences	13,097	13,807	14,546	15,507	15,788	15,687	15,542	16,143
Agricultural economics	807	904	950	975	1,019	903	894	893
Anthropology (cultural/social)	695	687	654	717	724	746	761	819
Economics (except agricultural)	4,777	5,082	5,581	5,872	5,913	5,850	5,669	5,787
Geography	489	534	607	610	635	642	627	620
History and philosophy of science	55	66	66	65	64	64	77	86
Linguistics	829	847	865	838	864	888	815	832
Political science	3,178	3,358	3,447	3,822	4,005	4,019	4,022	4,380
Sociology	989	1,061	1,059	1,137	1,175	1,116	1,115	1,102
Sociology/anthropology	63	67	71	60	61	73	83	81
Social sciences, nec	1,215	1,201	1,246	1,411	1,328	1,386	1,479	1,543
Engineering	35,133	40,445	44,815	49,347	50,037	47,056	44,643	45,917

TABLE 42. Full-time graduate students with temporary visas in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Aerospace engineering	1,353	1,387	1,522	1,549	1,543	1,518	1,461	1,306
Agricultural engineering	378	342	372	380	449	412	463	505
Biomedical engineering	784	860	1,040	1,417	1,753	1,855	1,876	1,948
Chemical engineering	2,760	3,073	3,202	3,394	3,480	3,374	3,207	3,228
Civil engineering	4,672	5,355	5,703	6,173	6,333	6,045	5,661	5,482
Electrical engineering	12,659	15,276	17,024	19,172	18,820	17,444	16,640	17,899
Engineering science	466	573	652	741	874	890	783	794
Industrial engineering	3,012	3,689	4,328	4,576	4,295	3,946	3,459	3,508
Mechanical engineering	5,276	6,131	6,588	7,284	7,421	6,799	6,381	6,515
Metallurgical/materials engineering	1,850	1,954	2,201	2,361	2,425	2,355	2,434	2,381
Mining engineering	90	95	92	91	98	101	96	102
Nuclear engineering	298	312	337	315	340	339	325	300
Petroleum engineering	448	329	340	409	590	540	526	538
Engineering, nec	1,087	1,069	1,414	1,485	1,616	1,438	1,331	1,411
Health fields	4,259	4,426	4,935	5,722	5,852	5,949	6,175	6,568
Clinical medicine	1,440	1,322	1,722	2,232	2,200	2,120	2,058	2,256
Anesthesiology	1	2	1	2	13	8	7	11
Cardiology	17	14	16	18	15	16	17	16
Endocrinology	17	13	18	18	24	19	7	10
Gastroenterology	0	1	1	1	2	0	0	1
Hematology	0	4	0	2	7	1	1	2
Neurology	261	315	357	422	486	520	559	595
Obstetrics/gynecology	1	1	0	2	5	4	6	3
Oncology/cancer research	49	40	47	40	33	45	76	71
Ophthalmology	16	16	9	42	18	23	13	16
Otorhinolaryngology	2	0	0	0	0	0	0	1
Pediatrics	23	32	37	51	41	42	56	45
Preventive medicine/community health	932	755	1,078	1,428	1,293	1,199	1,062	1,234
Psychiatry	3	2	1	4	9	13	14	9
Pulmonary disease	0	0	0	1	5	0	6	1
Radiology	29	27	33	50	62	57	46	58
Surgery	7	9	7	2	4	7	2	2
Clinical medicine, nec	82	91	117	149	183	166	186	181
Other health	2,819	3,104	3,213	3,490	3,652	3,829	4,117	4,312
Dental sciences	272	336	294	318	284	286	242	255
Nursing	341	325	302	336	359	383	378	433
Pharmaceutical sciences	1,048	1,193	1,238	1,313	1,431	1,474	1,595	1,650
Speech pathology/audiology	298	307	332	332	333	330	367	389
Veterinary sciences	285	307	326	337	349	341	381	405
Other health, nec	575	636	721	854	896	1,015	1,154	1,180

nec = not elsewhere classified.

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

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
All sources	313,866	319,923	332,732	355,611	372,366	377,984	381,198	393,138
Federal	65,072	66,786	67,994	74,315	80,807	82,597	82,328	82,901
DOD	7,974	8,099	7,919	7,934	9,170	8,967	8,948	8,826
DOE	2,747	2,995	3,112	3,544	4,020	4,130	4,386	4,469
HHS	23,132	23,167	24,052	26,630	28,910	30,613	30,489	31,028
NIH	18,927	19,403	19,827	22,071	24,238	26,617	26,798	27,543
Other HHS	4,205	3,764	4,225	4,559	4,672	3,996	3,691	3,485
NASA	2,522	2,738	2,794	3,053	3,188	2,900	2,672	2,352
NSF	13,801	14,565	15,368	17,064	19,214	19,859	20,257	20,255
USDA	2,630	2,628	2,732	3,096	3,465	3,552	3,339	2,994
Other	12,266	12,594	12,017	12,994	12,840	12,576	12,237	12,977
Institutional	128,507	128,436	135,548	142,737	146,449	149,182	150,941	154,856
Other nonfederal	25,679	27,431	27,765	28,480	28,768	26,720	26,703	27,640
Domestic	21,778	23,617	24,075	25,170	25,716	23,936	24,171	25,017
Foreign	3,901	3,814	3,690	3,310	3,052	2,784	2,532	2,623
Self-support	94,608	97,270	101,425	110,079	116,342	119,485	121,226	127,741
Science and engineering	269,103	275,460	287,755	308,028	320,469	322,655	323,371	331,382
Federal	56,935	58,834	59,728	65,618	71,809	73,436	73,700	73,692
DOD	7,623	7,699	7,675	7,652	8,878	8,639	8,601	8,465
DOE	2,717	2,980	3,101	3,536	4,007	4,114	4,370	4,442
HHS	17,167	17,621	18,036	20,121	22,170	23,650	23,881	24,331
NIH	15,931	16,272	16,524	18,532	20,372	22,319	22,731	23,286
Other HHS	1,236	1,349	1,512	1,589	1,798	1,331	1,150	1,045
NASA	2,507	2,720	2,772	3,037	3,175	2,875	2,652	2,338
NSF	13,678	14,442	15,239	16,936	19,066	19,690	20,049	19,972
USDA	2,569	2,566	2,682	3,022	3,387	3,468	3,252	2,896
Other	10,674	10,806	10,223	11,314	11,126	11,000	10,895	11,248
Institutional	118,464	118,412	125,445	132,047	135,251	137,071	137,828	141,069
Other nonfederal	23,537	25,040	25,300	25,845	26,099	24,155	24,089	24,598
Domestic	20,057	21,582	21,983	22,851	23,371	21,615	21,748	22,156
Foreign	3,480	3,458	3,317	2,994	2,728	2,540	2,341	2,442
Self-support	70,167	73,174	77,282	84,518	87,310	87,993	87,754	92,023
Science	202,597	204,799	212,073	224,786	232,930	238,039	241,130	246,248
Federal	41,077	42,143	42,691	46,825	50,441	52,246	52,535	52,441
DOD	3,286	3,228	3,295	3,258	3,396	3,340	3,275	3,134
DOE	1,730	1,772	1,813	2,011	2,291	2,357	2,456	2,508
HHS	16,206	16,487	16,749	18,657	20,223	21,517	21,627	21,850
NIH	15,087	15,274	15,391	17,251	18,736	20,412	20,663	20,940
Other HHS	1,119	1,213	1,358	1,406	1,487	1,105	964	910
NASA	1,380	1,451	1,423	1,551	1,552	1,451	1,382	1,292
NSF	8,740	9,234	9,814	11,008	12,384	12,943	13,211	13,065
USDA	2,329	2,349	2,423	2,686	2,968	3,060	2,919	2,564
Other	7,406	7,622	7,174	7,654	7,627	7,578	7,665	8,028
Institutional	93,526	92,637	97,988	102,062	104,472	106,522	108,539	110,816
Other nonfederal	14,088	14,570	14,357	14,642	14,997	14,375	14,379	14,889
Domestic	11,714	12,185	12,104	12,614	13,188	12,719	12,882	13,283
Foreign	2,374	2,385	2,253	2,028	1,809	1,656	1,497	1,606
Self-support	53,906	55,449	57,037	61,257	63,020	64,896	65,677	68,102
Agricultural sciences	8,950	8,943	8,972	9,205	9,537	9,509	9,185	8,977
Federal	1,936	1,937	1,968	2,147	2,490	2,496	2,319	2,259
DOD	28	42	47	34	33	24	24	25
DOE	41	45	29	55	58	49	53	42
HHS	29	57	51	87	89	90	84	78
NIH	17	37	40	64	60	67	74	67
Other HHS	12	20	11	23	29	23	10	11
NASA	55	65	63	74	90	52	49	42

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
NSF	114	113	138	124	211	202	211	216
USDA	1,077	1,043	1,064	1,155	1,333	1,369	1,277	1,169
Other	592	572	576	618	676	710	621	687
Institutional	3,743	3,749	3,937	3,991	3,857	3,926	3,888	3,993
Other nonfederal	1,621	1,698	1,561	1,527	1,561	1,571	1,455	1,286
Domestic	1,362	1,463	1,374	1,404	1,390	1,443	1,351	1,208
Foreign	259	235	187	123	171	128	104	78
Self-support	1,650	1,559	1,506	1,540	1,629	1,516	1,523	1,439
Biological sciences	45,403	45,421	46,715	50,066	52,563	54,139	55,836	57,082
Federal	16,368	16,589	16,613	18,502	20,081	21,624	21,967	22,091
DOD	330	321	359	380	349	430	346	360
DOE	155	171	166	180	193	224	253	213
HHS	12,224	12,240	12,280	13,630	14,855	16,100	16,167	16,595
NIH	11,731	11,665	11,617	12,910	14,130	15,585	15,648	16,086
Other HHS	493	575	663	720	725	515	519	509
NASA	100	97	76	114	98	105	94	81
NSF	1,491	1,594	1,601	1,807	2,128	2,255	2,292	2,204
USDA	801	780	816	990	1,032	1,072	1,071	904
Other	1,267	1,386	1,315	1,401	1,426	1,438	1,744	1,734
Institutional	19,656	19,488	20,496	21,112	21,654	21,736	22,760	23,134
Other nonfederal	3,271	3,358	3,574	3,818	3,960	3,766	3,939	4,207
Domestic	2,813	2,935	3,209	3,511	3,673	3,522	3,681	3,918
Foreign	458	423	365	307	287	244	258	289
Self-support	6,108	5,986	6,032	6,634	6,868	7,013	7,170	7,650
Computer sciences	20,550	23,601	27,182	29,866	28,284	27,204	26,524	26,937
Federal	3,321	3,611	4,183	4,908	5,278	5,100	5,326	5,008
DOD	1,201	1,203	1,277	1,300	1,378	1,182	1,403	1,196
DOE	109	111	120	138	159	155	156	164
HHS	107	120	172	239	300	294	327	310
NIH	64	82	101	185	228	261	289	268
Other HHS	43	38	71	54	72	33	38	42
NASA	111	142	165	196	217	141	95	85
NSF	1,302	1,492	1,855	2,332	2,706	2,739	2,810	2,708
USDA	20	16	25	41	39	37	21	32
Other	471	527	569	662	479	552	514	513
Institutional	6,605	7,224	8,377	8,991	8,725	8,574	8,530	8,528
Other nonfederal	1,513	1,858	1,817	1,890	1,917	1,698	1,632	1,625
Domestic	1,379	1,593	1,582	1,668	1,727	1,519	1,453	1,421
Foreign	134	265	235	222	190	179	179	204
Self-support	9,111	10,908	12,805	14,077	12,364	11,832	11,036	11,776
Earth, atmospheric, and ocean sciences	10,113	10,197	10,096	10,687	11,076	11,265	10,999	11,102
Federal	2,940	2,955	2,890	3,004	3,275	3,309	3,277	3,285
DOD	335	279	257	200	254	128	153	131
DOE	123	144	137	167	154	170	166	117
HHS	37	57	60	47	68	42	29	64
NIH	17	40	37	32	52	25	17	55
Other HHS	20	17	23	15	16	17	12	9
NASA	406	453	456	470	419	456	457	417
NSF	1,123	1,130	1,120	1,191	1,363	1,497	1,493	1,537
USDA	53	49	65	74	85	92	73	70
Other	863	843	795	855	932	924	906	949
Institutional	4,555	4,448	4,480	4,693	4,903	5,043	4,842	4,787
Other nonfederal	840	902	902	1,082	871	864	941	1,059
Domestic	680	757	717	888	755	792	845	980
Foreign	160	145	185	194	116	72	96	79
Self-support	1,778	1,892	1,824	1,908	2,027	2,049	1,939	1,971

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
Mathematical sciences	11,388	11,382	12,040	13,149	13,988	14,357	14,652	14,995
Federal	1,100	1,354	1,374	1,599	1,666	1,690	1,718	1,738
DOD	227	239	211	164	228	163	184	175
DOE	44	40	40	42	53	64	69	64
HHS	105	92	108	164	154	174	165	178
NIH	78	76	89	133	119	154	155	152
Other HHS	27	16	19	31	35	20	10	26
NASA	14	23	23	20	22	24	24	18
NSF	441	633	758	942	969	1,018	1,011	1,006
USDA	7	7	20	14	9	33	35	19
Other	262	320	214	253	231	214	230	278
Institutional	8,075	8,015	8,444	8,916	9,444	9,725	9,883	9,910
Other nonfederal	425	431	413	524	474	371	425	459
Domestic	299	302	293	410	379	295	342	390
Foreign	126	129	120	114	95	76	83	69
Self-support	1,788	1,582	1,809	2,110	2,404	2,571	2,626	2,888
Physical sciences	26,293	26,136	26,841	28,237	30,060	31,267	31,921	32,368
Federal	9,187	9,167	9,264	9,919	10,600	11,145	11,149	11,189
DOD	880	864	855	860	885	1,146	892	906
DOE	1,180	1,170	1,260	1,368	1,607	1,613	1,695	1,834
HHS	1,827	1,961	2,113	2,346	2,446	2,531	2,615	2,518
NIH	1,652	1,769	1,858	2,114	2,179	2,356	2,473	2,396
Other HHS	175	192	255	232	267	175	142	122
NASA	544	518	495	537	569	556	574	571
NSF	3,276	3,282	3,322	3,583	3,860	4,072	4,131	4,083
USDA	33	51	42	51	65	41	39	24
Other	1,447	1,321	1,177	1,174	1,168	1,186	1,203	1,253
Institutional	13,947	13,644	14,312	14,820	15,892	16,508	16,954	17,241
Other nonfederal	1,914	1,894	1,937	2,010	2,063	2,083	2,147	2,178
Domestic	1,742	1,726	1,810	1,889	1,936	1,985	2,054	2,067
Foreign	172	168	127	121	127	98	93	111
Self-support	1,245	1,431	1,328	1,488	1,505	1,531	1,671	1,760
Psychology	29,589	29,510	29,168	29,357	30,345	32,111	32,781	32,944
Federal	3,157	3,198	3,106	3,313	3,454	3,411	3,457	3,354
DOD	116	133	135	165	145	135	143	145
DOE	41	25	1	9	10	27	30	32
HHS	1,535	1,580	1,593	1,735	1,839	1,849	1,845	1,732
NIH	1,264	1,310	1,372	1,497	1,596	1,647	1,703	1,599
Other HHS	271	270	221	238	243	202	142	133
NASA	15	17	21	31	21	27	7	8
NSF	301	274	281	297	327	366	393	415
USDA	13	16	13	4	17	20	15	11
Other	1,136	1,153	1,062	1,072	1,095	987	1,024	1,011
Institutional	12,155	11,406	11,791	11,981	12,113	12,426	12,490	12,787
Other nonfederal	1,374	1,317	1,191	1,120	1,252	1,331	1,358	1,505
Domestic	1,319	1,267	1,138	1,070	1,173	1,286	1,328	1,453
Foreign	55	50	53	50	79	45	30	52
Self-support	12,903	13,589	13,080	12,943	13,526	14,943	15,476	15,298
Social sciences	50,311	49,609	51,059	54,219	57,077	58,187	59,232	61,843
Federal	3,068	3,332	3,293	3,433	3,597	3,471	3,322	3,517
DOD	169	147	154	155	124	132	130	196
DOE	37	66	60	52	57	55	34	42
HHS	342	380	372	409	472	437	395	375
NIH	264	295	277	316	372	317	304	317
Other HHS	78	85	95	93	100	120	91	58

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
NASA	135	136	124	109	116	90	82	70
NSF	692	716	739	732	820	794	870	896
USDA	325	387	378	357	388	396	388	335
Other	1,368	1,500	1,466	1,619	1,620	1,567	1,423	1,603
Institutional	24,790	24,663	26,151	27,558	27,884	28,584	29,192	30,436
Other nonfederal	3,130	3,112	2,962	2,671	2,899	2,691	2,482	2,570
Domestic	2,120	2,142	1,981	1,774	2,155	1,877	1,828	1,846
Foreign	1,010	970	981	897	744	814	654	724
Self-support	19,323	18,502	18,653	20,557	22,697	23,441	24,236	25,320
Engineering	66,506	70,661	75,682	83,242	87,539	84,616	82,241	85,134
Federal	15,858	16,691	17,037	18,793	21,368	21,190	21,165	21,251
DOD	4,337	4,471	4,380	4,394	5,482	5,299	5,326	5,331
DOE	987	1,208	1,288	1,525	1,716	1,757	1,914	1,934
HHS	961	1,134	1,287	1,464	1,947	2,133	2,254	2,481
NIH	844	998	1,133	1,281	1,636	1,907	2,068	2,346
Other HHS	117	136	154	183	311	226	186	135
NASA	1,127	1,269	1,349	1,486	1,623	1,424	1,270	1,046
NSF	4,938	5,208	5,425	5,928	6,682	6,747	6,838	6,907
USDA	240	217	259	336	419	408	333	332
Other	3,268	3,184	3,049	3,660	3,499	3,422	3,230	3,220
Institutional	24,938	25,775	27,457	29,985	30,779	30,549	29,289	30,253
Other nonfederal	9,449	10,470	10,943	11,203	11,102	9,780	9,710	9,709
Domestic	8,343	9,397	9,879	10,237	10,183	8,896	8,866	8,873
Foreign	1,106	1,073	1,064	966	919	884	844	836
Self-support	16,261	17,725	20,245	23,261	24,290	23,097	22,077	23,921
Chemical engineering	5,572	5,837	5,790	6,226	6,373	6,346	6,110	6,185
Federal	1,666	1,670	1,690	1,957	2,055	2,146	2,097	2,104
DOD	161	113	140	181	265	218	204	179
DOE	220	242	257	310	327	352	365	371
HHS	149	155	179	219	245	298	274	328
NIH	127	128	136	185	210	262	236	298
Other HHS	22	27	43	34	35	36	38	30
NASA	101	102	108	119	103	95	90	67
NSF	742	768	720	816	841	873	851	816
USDA	37	35	34	44	35	46	46	61
Other	256	255	252	268	239	264	267	282
Institutional	2,282	2,284	2,219	2,424	2,530	2,463	2,338	2,336
Other nonfederal	970	1,080	1,094	1,093	994	957	906	988
Domestic	896	976	983	1,010	931	902	864	927
Foreign	74	104	111	83	63	55	42	61
Self-support	654	803	787	752	794	780	769	757
Civil engineering	10,931	11,526	11,845	12,718	13,443	13,348	12,958	12,836
Federal	1,655	1,926	1,932	2,085	2,168	2,150	1,997	1,870
DOD	150	157	175	179	148	169	180	143
DOE	50	84	82	84	94	90	92	64
HHS	44	51	27	36	57	59	60	56
NIH	39	40	26	29	41	33	32	30
Other HHS	5	11	1	7	16	26	28	26
NASA	56	74	78	89	87	59	68	57
NSF	538	596	586	645	700	702	652	658
USDA	35	36	38	50	69	73	64	40
Other	782	928	946	1,002	1,013	998	881	852
Institutional	4,827	4,908	4,944	5,350	5,520	5,672	5,303	5,345
Other nonfederal	1,112	1,353	1,474	1,353	1,479	1,239	1,165	1,173
Domestic	924	1,189	1,298	1,238	1,376	1,107	1,054	1,079
Foreign	188	164	176	115	103	132	111	94

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
Self-support	3,337	3,339	3,495	3,930	4,276	4,287	4,493	4,448
Electrical engineering	19,923	22,189	24,442	27,262	27,680	25,783	25,002	26,259
Federal	4,599	5,048	4,959	5,690	6,159	5,964	6,021	5,975
DOD	1,847	2,079	1,976	1,942	2,233	1,966	1,946	1,937
DOE	71	93	138	193	189	211	236	244
HHS	104	187	148	179	356	351	360	421
NIH	87	145	109	145	246	291	314	394
Other HHS	17	42	39	34	110	60	46	27
NASA	269	283	328	380	368	333	242	215
NSF	1,472	1,586	1,640	1,939	2,233	2,336	2,488	2,481
USDA	10	12	13	21	57	54	23	21
Other	826	808	716	1,036	723	713	726	656
Institutional	7,081	7,303	7,916	8,538	8,790	8,438	8,221	8,485
Other nonfederal	2,814	3,222	3,403	3,536	3,296	2,776	3,038	2,634
Domestic	2,542	2,983	3,155	3,302	3,066	2,612	2,784	2,434
Foreign	272	239	248	234	230	164	254	200
Self-support	5,429	6,616	8,164	9,498	9,435	8,605	7,722	9,165
Industrial engineering	5,362	5,927	6,369	6,995	6,879	6,352	5,822	6,171
Federal	706	805	797	818	976	957	934	887
DOD	250	235	240	239	251	299	336	316
DOE	12	31	46	42	58	45	46	46
HHS	33	34	40	58	73	66	68	65
NIH	20	21	29	31	36	43	56	54
Other HHS	13	13	11	27	37	23	12	11
NASA	27	26	29	29	54	42	48	20
NSF	218	258	272	273	378	328	285	278
USDA	2	7	8	6	11	12	9	9
Other	164	214	162	171	151	165	142	153
Institutional	1,913	2,107	2,393	2,553	2,312	2,284	2,084	2,255
Other nonfederal	574	680	725	747	693	592	553	536
Domestic	485	573	605	638	615	512	495	465
Foreign	89	107	120	109	78	80	58	71
Self-support	2,169	2,335	2,454	2,877	2,898	2,519	2,251	2,493
Mechanical engineering	10,226	10,645	11,292	12,347	13,119	12,478	11,984	12,408
Federal	2,589	2,655	2,775	2,974	3,401	3,157	3,092	3,228
DOD	711	652	689	618	876	730	700	777
DOE	207	239	214	312	351	360	342	391
HHS	112	112	159	158	161	179	186	187
NIH	87	105	147	143	130	154	159	171
Other HHS	25	7	12	15	31	25	27	16
NASA	242	292	280	316	342	282	258	217
NSF	882	914	1,001	1,034	1,101	1,036	1,053	1,091
USDA	21	7	11	10	20	22	19	11
Other	414	439	421	526	550	548	534	554
Institutional	4,006	4,189	4,440	4,928	4,983	4,918	4,614	4,816
Other nonfederal	1,593	1,737	1,674	1,720	1,725	1,474	1,383	1,515
Domestic	1,427	1,542	1,528	1,598	1,595	1,322	1,255	1,361
Foreign	166	195	146	122	130	152	128	154
Self-support	2,038	2,064	2,403	2,725	3,010	2,929	2,895	2,849
Other engineering	14,492	14,537	15,944	17,694	20,045	20,309	20,365	21,275
Federal	4,643	4,587	4,884	5,269	6,609	6,816	7,024	7,187
DOD	1,218	1,235	1,160	1,235	1,709	1,917	1,960	1,979
DOE	427	519	551	584	697	699	833	818
HHS	519	595	734	814	1,055	1,180	1,306	1,424
NIH	484	559	686	748	973	1,124	1,271	1,399
Other HHS	35	36	48	66	82	56	35	25

TABLE 43. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary source of support: 1999–2006

Field and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
NASA	432	492	526	553	669	613	564	470
NSF	1,086	1,086	1,206	1,221	1,429	1,472	1,509	1,583
USDA	135	120	155	205	227	201	172	190
Other	826	540	552	657	823	734	680	723
Institutional	4,829	4,984	5,545	6,192	6,644	6,774	6,729	7,016
Other nonfederal	2,386	2,398	2,573	2,754	2,915	2,742	2,665	2,863
Domestic	2,069	2,134	2,310	2,451	2,600	2,441	2,414	2,607
Foreign	317	264	263	303	315	301	251	256
Self-support	2,634	2,568	2,942	3,479	3,877	3,977	3,947	4,209
Health fields	44,763	44,463	44,977	47,583	51,897	55,329	57,827	61,756
Federal	8,137	7,952	8,266	8,697	8,998	9,161	8,628	9,209
DOD	351	400	244	282	292	328	347	361
DOE	30	15	11	8	13	16	16	27
HHS	5,965	5,546	6,016	6,509	6,740	6,963	6,608	6,697
NIH	2,996	3,131	3,303	3,539	3,866	4,298	4,067	4,257
Other HHS	2,969	2,415	2,713	2,970	2,874	2,665	2,541	2,440
NASA	15	18	22	16	13	25	20	14
NSF	123	123	129	128	148	169	208	283
USDA	61	62	50	74	78	84	87	98
Other	1,592	1,788	1,794	1,680	1,714	1,576	1,342	1,729
Institutional	10,043	10,024	10,103	10,690	11,198	12,111	13,113	13,787
Other nonfederal	2,142	2,391	2,465	2,635	2,669	2,565	2,614	3,042
Domestic	1,721	2,035	2,092	2,319	2,345	2,321	2,423	2,861
Foreign	421	356	373	316	324	244	191	181
Self-support	24,441	24,096	24,143	25,561	29,032	31,492	33,472	35,718

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 = U.S. Department of Agriculture.

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

TABLE 44. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2006

Sex and primary source of support	All surveyed fields	Science									Engineering									Health 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	393,138	246,248	8,977	57,082	26,937	11,102	14,995	32,368	32,944	61,843	85,134	3,291	6,185	12,836	26,259	6,171	12,408	4,606	13,378	61,756
Federal	82,901	52,441	2,259	22,091	5,008	3,285	1,738	11,189	3,354	3,517	21,251	1,157	2,104	1,870	5,975	887	3,228	1,628	4,402	9,209
DOD	8,826	3,134	25	360	1,196	131	175	906	145	196	5,331	540	179	143	1,937	316	777	369	1,070	361
DOE	4,469	2,508	42	213	164	117	64	1,834	32	42	1,934	42	371	64	244	46	391	318	458	27
HHS	31,028	21,850	78	16,595	310	64	178	2,518	1,732	375	2,481	17	328	56	421	65	187	58	1,349	6,697
NIH	27,543	20,940	67	16,086	268	55	152	2,396	1,599	317	2,346	15	298	30	394	54	171	57	1,327	4,257
Other HHS	3,485	910	11	509	42	9	26	122	133	58	135	2	30	26	11	16	1	22	2,440	
NASA	2,352	1,292	42	81	85	417	18	571	8	70	1,046	318	67	57	215	20	217	52	100	14
NSF	20,255	13,065	216	2,204	2,708	1,537	1,006	4,083	415	896	6,907	139	816	658	2,481	278	1,091	661	783	283
USDA	2,994	2,564	1,169	904	32	70	19	24	11	335	332	1	61	40	21	9	11	6	183	98
Other	12,977	8,028	687	1,734	513	949	278	1,253	1,011	1,603	3,220	100	282	852	656	153	554	164	459	1,729
Institutional	154,856	110,816	3,993	23,134	8,528	4,787	9,910	17,241	12,787	30,436	30,253	950	2,336	5,345	8,485	2,255	4,816	1,581	4,485	13,787
Other nonfederal	27,640	14,889	1,286	4,207	1,625	1,059	459	2,178	1,505	2,570	9,709	395	988	1,173	2,634	536	1,515	815	1,653	3,042
Domestic	25,017	13,283	1,208	3,918	1,421	980	390	2,067	1,453	1,846	8,873	347	927	1,079	2,434	465	1,361	755	1,505	2,861
Foreign	2,623	1,606	78	289	204	79	69	111	52	724	836	48	61	94	200	71	154	60	148	181
Self-support	127,741	68,102	1,439	7,650	11,776	1,971	2,888	1,760	15,298	25,320	23,921	789	757	4,448	9,165	2,493	2,849	582	2,838	35,718
Male, all sources	207,454	126,397	4,607	25,461	20,610	5,882	9,909	22,057	8,499	29,372	65,158	2,787	4,346	8,755	21,313	4,495	10,645	3,402	9,415	15,899
Federal	48,453	28,902	1,197	10,078	4,081	1,765	1,187	7,792	1,039	1,763	16,491	993	1,477	1,254	4,938	656	2,777	1,202	3,194	3,060
DOD	7,043	2,346	19	160	1,031	82	128	708	74	144	4,500	479	139	106	1,637	239	689	291	920	197
DOE	3,426	1,846	20	105	135	74	45	1,431	9	27	1,567	37	284	43	193	39	350	246	375	13
HHS	14,127	10,152	40	7,565	239	24	106	1,510	540	128	1,707	12	220	40	333	54	152	42	854	2,268
NIH	13,122	9,734	35	7,343	208	22	87	1,438	493	108	1,604	10	201	19	308	45	138	41	842	1,784
Other HHS	1,005	418	5	222	31	2	19	72	47	20	103	2	19	21	25	9	14	1	12	484
NASA	1,649	801	30	38	65	217	13	390	2	46	842	275	48	32	174	16	188	34	75	6
NSF	13,633	8,316	112	1,017	2,171	822	718	2,876	157	443	5,188	104	545	408	2,039	183	902	468	539	129
USDA	1,583	1,318	630	400	22	48	5	17	2	194	226	1	43	30	17	9	9	4	113	39
Other	6,992	4,123	346	793	418	498	172	860	255	781	2,461	85	198	595	545	116	487	117	318	408
Institutional	84,838	57,867	1,966	10,227	6,556	2,571	6,610	11,519	3,649	14,769	22,794	786	1,638	3,647	6,814	1,596	4,098	1,149	3,066	4,177
Other nonfederal	16,909	8,331	736	2,126	1,282	578	295	1,557	383	1,374	7,605	336	701	858	2,195	386	1,308	612	1,209	973
Domestic	15,073	7,255	684	1,968	1,117	528	245	1,479	365	869	6,929	295	664	782	2,020	329	1,181	574	1,084	889
Foreign	1,836	1,076	52	158	165	50	50	78	18	505	676	41	37	76	175	57	127	38	125	84
Self-support	57,254	31,297	708	3,030	8,691	968	1,817	1,189	3,428	11,466	18,268	672	530	2,996	7,366	1,857	2,462	439	1,946	7,689
Female, all sources	185,684	119,851	4,370	31,621	6,327	5,220	5,086	10,311	24,445	32,471	19,976	504	1,839	4,081	4,946	1,676	1,763	1,204	3,963	45,857
Federal	34,448	23,539	1,062	12,013	927	1,520	551	3,397	2,315	1,754	4,760	164	627	616	1,037	231	451	426	1,208	6,149
DOD	1,783	788	6	200	165	49	47	198	71	52	831	61	40	37	300	77	88	78	150	164
DOE	1,043	662	22	108	29	43	19	403	23	15	367	5	87	21	51	7	41	72	83	14

TABLE 44. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by sex, primary source of support, and field: 2006

Sex and primary source of support	All surveyed fields	Science									Engineering								Health 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
HHS	16,901	11,698	38	9,030	71	40	72	1,008	1,192	247	774	5	108	16	88	11	35	16	495	4,429
NIH	14,421	11,206	32	8,743	60	33	65	958	1,106	209	742	5	97	11	86	9	33	16	485	2,473
Other HHS	2,480	492	6	287	11	7	7	50	86	38	32	0	11	5	2	2	2	0	10	1,956
NASA	703	491	12	43	20	200	5	181	6	24	204	43	19	25	41	4	29	18	25	8
NSF	6,622	4,749	104	1,187	537	715	288	1,207	258	453	1,719	35	271	250	442	95	189	193	244	154
USDA	1,411	1,246	539	504	10	22	14	7	9	141	106	0	18	10	4	0	2	2	70	59
Other	5,985	3,905	341	941	95	451	106	393	756	822	759	15	84	257	111	37	67	47	141	1,321
Institutional	70,018	52,949	2,027	12,907	1,972	2,216	3,300	5,722	9,138	15,667	7,459	164	698	1,698	1,671	659	718	432	1,419	9,610
Other nonfederal	10,731	6,558	550	2,081	343	481	164	621	1,122	1,196	2,104	59	287	315	439	150	207	203	444	2,069
Domestic	9,944	6,028	524	1,950	304	452	145	588	1,088	977	1,944	52	263	297	414	136	180	181	421	1,972
Foreign	787	530	26	131	39	29	19	33	34	219	160	7	24	18	25	14	27	22	23	97
Self-support	70,487	36,805	731	4,620	3,085	1,003	1,071	571	11,870	13,854	5,653	117	227	1,452	1,799	636	387	143	892	28,029

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 = U.S. Department of Agriculture.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 45. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	313,866	319,923	332,732	355,611	372,366	377,984	381,198	393,138
Fellowships	29,735	30,931	31,808	34,329	33,933	34,672	36,026	36,332
Research assistantships	89,389	92,596	98,243	106,420	112,426	112,826	112,367	112,825
Teaching assistantships	64,704	64,766	66,742	69,103	71,225	71,286	72,479	74,204
Traineeships	14,268	13,681	13,594	14,532	14,751	14,403	14,217	14,277
Other support	115,770	117,949	122,345	131,227	140,031	144,797	146,109	155,500
Science and engineering	269,103	275,460	287,755	308,028	320,469	322,655	323,371	331,382
Fellowships	27,078	28,090	29,304	31,648	31,360	31,879	33,231	33,345
Research assistantships	84,245	87,003	92,216	100,040	105,715	105,791	105,136	105,604
Teaching assistantships	61,729	61,787	63,554	65,712	67,737	67,569	68,588	70,003
Traineeships	9,432	9,439	9,079	9,754	10,072	9,820	9,873	9,724
Other support	86,619	89,141	93,602	100,874	105,585	107,596	106,543	112,706
Science	202,597	204,799	212,073	224,786	232,930	238,039	241,130	246,248
Fellowships	21,015	21,756	22,890	24,659	24,137	24,710	26,013	26,194
Research assistantships	55,685	56,386	60,146	65,028	68,527	70,093	70,503	70,556
Teaching assistantships	51,142	50,896	51,781	53,305	55,402	55,572	56,844	57,960
Traineeships	8,665	8,707	8,361	8,810	9,035	8,879	8,856	8,732
Other support	66,090	67,054	68,895	72,984	75,829	78,785	78,914	82,806
Agricultural sciences	8,950	8,943	8,972	9,205	9,537	9,509	9,185	8,977
Fellowships	469	443	511	503	554	599	656	555
Research assistantships	5,156	5,222	5,368	5,550	5,766	5,779	5,473	5,319
Teaching assistantships	1,159	1,196	1,168	1,134	1,131	1,154	1,148	1,163
Traineeships	75	69	70	70	50	68	20	50
Other support	2,091	2,013	1,855	1,948	2,036	1,909	1,888	1,890
Biological sciences	45,403	45,421	46,715	50,066	52,563	54,139	55,836	57,082
Fellowships	5,778	5,726	6,101	6,390	6,437	6,580	7,053	6,760
Research assistantships	18,052	18,347	19,138	20,900	22,477	23,674	24,349	24,783
Teaching assistantships	8,279	8,222	8,268	8,534	8,693	8,457	8,712	9,022
Traineeships	5,281	5,171	5,003	5,400	5,649	5,611	5,710	5,510
Other support	8,013	7,955	8,205	8,842	9,307	9,817	10,012	11,007
Computer sciences	20,550	23,601	27,182	29,866	28,284	27,204	26,524	26,937
Fellowships	976	1,133	1,050	1,387	1,326	1,378	1,449	1,463
Research assistantships	4,754	5,121	6,248	6,997	7,332	7,068	7,053	7,084
Teaching assistantships	4,217	4,363	4,923	5,157	4,800	4,615	4,506	4,374
Traineeships	207	251	240	279	315	285	230	181
Other support	10,396	12,733	14,721	16,046	14,511	13,858	13,286	13,835
Earth, atmospheric, and ocean sciences	10,113	10,197	10,096	10,687	11,076	11,265	10,999	11,102
Fellowships	925	1,045	1,065	1,118	1,164	1,222	1,355	1,300
Research assistantships	4,157	4,167	4,095	4,445	4,532	4,713	4,655	4,664
Teaching assistantships	2,502	2,421	2,456	2,572	2,692	2,590	2,560	2,704
Traineeships	107	98	90	89	111	119	111	106
Other support	2,422	2,466	2,390	2,463	2,577	2,621	2,318	2,328
Mathematical sciences	11,388	11,382	12,040	13,149	13,988	14,357	14,652	14,995
Fellowships	1,022	1,283	1,387	1,420	1,374	1,333	1,414	1,529
Research assistantships	1,230	1,213	1,399	1,712	1,768	1,869	1,847	1,765
Teaching assistantships	6,634	6,683	6,862	7,282	7,738	7,874	8,041	8,064
Traineeships	109	118	105	121	123	105	95	98
Other support	2,393	2,085	2,287	2,614	2,985	3,176	3,255	3,539
Physical sciences	26,293	26,136	26,841	28,237	30,060	31,267	31,921	32,368
Fellowships	2,187	2,238	2,358	2,643	2,505	2,707	2,760	3,073
Research assistantships	11,193	11,015	11,765	12,596	13,450	13,610	13,921	13,809
Teaching assistantships	10,740	10,541	10,439	10,602	11,661	12,108	12,455	12,449
Traineeships	383	464	436	421	364	366	420	436

TABLE 45. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
Other support	1,790	1,878	1,843	1,975	2,080	2,476	2,365	2,601
Psychology	29,589	29,510	29,168	29,357	30,345	32,111	32,781	32,944
Fellowships	2,375	2,299	2,210	2,211	2,199	2,317	2,443	2,543
Research assistantships	4,320	4,315	4,601	4,970	5,181	5,540	5,363	5,284
Teaching assistantships	5,788	5,561	5,424	5,577	5,808	5,658	5,944	6,259
Traineeships	988	1,197	1,248	1,188	1,140	876	1,035	1,032
Other support	16,118	16,138	15,685	15,411	16,017	17,720	17,996	17,826
Social sciences	50,311	49,609	51,059	54,219	57,077	58,187	59,232	61,843
Fellowships	7,283	7,589	8,208	8,987	8,578	8,574	8,883	8,971
Research assistantships	6,823	6,986	7,532	7,858	8,021	7,840	7,842	7,848
Teaching assistantships	11,823	11,909	12,241	12,447	12,879	13,116	13,478	13,925
Traineeships	1,515	1,339	1,169	1,242	1,283	1,449	1,235	1,319
Other support	22,867	21,786	21,909	23,685	26,316	27,208	27,794	29,780
Engineering	66,506	70,661	75,682	83,242	87,539	84,616	82,241	85,134
Fellowships	6,063	6,334	6,414	6,989	7,223	7,169	7,218	7,151
Research assistantships	28,560	30,617	32,070	35,012	37,188	35,698	34,633	35,048
Teaching assistantships	10,587	10,891	11,773	12,407	12,335	11,997	11,744	12,043
Traineeships	767	732	718	944	1,037	941	1,017	992
Other support	20,529	22,087	24,707	27,890	29,756	28,811	27,629	29,900
Chemical engineering	5,572	5,837	5,790	6,226	6,373	6,346	6,110	6,185
Fellowships	836	794	758	832	834	689	648	677
Research assistantships	2,944	3,076	3,143	3,460	3,600	3,749	3,593	3,652
Teaching assistantships	954	936	846	883	850	786	757	742
Traineeships	65	85	53	71	73	102	123	114
Other support	773	946	990	980	1,016	1,020	989	1,000
Civil engineering	10,931	11,526	11,845	12,718	13,443	13,348	12,958	12,836
Fellowships	865	924	1,006	1,074	1,105	1,092	1,094	1,035
Research assistantships	4,073	4,623	4,512	4,752	5,022	4,858	4,440	4,339
Teaching assistantships	1,768	1,846	1,866	1,939	1,992	2,082	1,984	2,129
Traineeships	196	117	156	210	196	152	159	148
Other support	4,029	4,016	4,305	4,743	5,128	5,164	5,281	5,185
Electrical engineering	19,923	22,189	24,442	27,262	27,680	25,783	25,002	26,259
Fellowships	1,361	1,349	1,292	1,485	1,520	1,504	1,558	1,520
Research assistantships	8,365	9,182	9,557	10,617	10,760	10,136	10,176	9,834
Teaching assistantships	3,356	3,602	4,017	4,275	4,193	3,881	3,822	3,806
Traineeships	76	89	61	105	115	112	140	90
Other support	6,765	7,967	9,515	10,780	11,092	10,150	9,306	11,009
Industrial engineering	5,362	5,927	6,369	6,995	6,879	6,352	5,822	6,171
Fellowships	257	325	421	441	437	436	417	413
Research assistantships	1,458	1,646	1,738	1,882	1,820	1,661	1,481	1,556
Teaching assistantships	891	946	1,044	1,002	945	923	899	952
Traineeships	21	18	35	48	39	46	51	54
Other support	2,735	2,992	3,131	3,622	3,638	3,286	2,974	3,196
Mechanical engineering	10,226	10,645	11,292	12,347	13,119	12,478	11,984	12,408
Fellowships	873	1,019	948	1,008	988	914	921	981
Research assistantships	4,629	4,844	5,074	5,459	6,015	5,686	5,308	5,610
Teaching assistantships	1,935	1,940	2,163	2,336	2,273	2,178	2,171	2,229
Traineeships	142	103	115	116	114	98	104	89
Other support	2,647	2,739	2,992	3,428	3,729	3,602	3,480	3,499
Other engineering	14,492	14,537	15,944	17,694	20,045	20,309	20,365	21,275
Fellowships	1,871	1,923	1,989	2,149	2,339	2,534	2,580	2,525
Research assistantships	7,091	7,246	8,046	8,842	9,971	9,608	9,635	10,057
Teaching assistantships	1,683	1,621	1,837	1,972	2,082	2,147	2,111	2,185
Traineeships	267	320	298	394	500	431	440	497

TABLE 45. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by field and primary mechanism of support: 1999–2006

Field and primary mechanism of support	1999	2000	2001	2002	2003	2004	2005	2006
Other support	3,580	3,427	3,774	4,337	5,153	5,589	5,599	6,011
Health fields	44,763	44,463	44,977	47,583	51,897	55,329	57,827	61,756
Fellowships	2,657	2,841	2,504	2,681	2,573	2,793	2,795	2,987
Research assistantships	5,144	5,593	6,027	6,380	6,711	7,035	7,231	7,221
Teaching assistantships	2,975	2,979	3,188	3,391	3,488	3,717	3,891	4,201
Traineeships	4,836	4,242	4,515	4,778	4,679	4,583	4,344	4,553
Other support	29,151	28,808	28,743	30,353	34,446	37,201	39,566	42,794

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

TABLE 46. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2006

Field	Total	Fellowships	Research assistantships	Teaching assistantships	Traineeships	Other types of support
All surveyed fields	393,138	36,332	112,825	74,204	14,277	155,500
Science and engineering	331,382	33,345	105,604	70,003	9,724	112,706
Science	246,248	26,194	70,556	57,960	8,732	82,806
Agricultural sciences	8,977	555	5,319	1,163	50	1,890
Biological sciences	57,082	6,760	24,783	9,022	5,510	11,007
Anatomy	899	94	389	66	74	276
Biochemistry	5,391	620	2,900	509	581	781
Biology	11,286	1,426	3,429	4,092	374	1,965
Biometry/epidemiology	3,495	398	980	158	531	1,428
Biophysics	1,145	168	525	82	212	158
Botany	1,654	165	913	382	25	169
Cell biology	6,103	688	3,103	574	1,034	704
Ecology	1,560	306	441	552	33	228
Entomology/parasitology	947	66	607	169	9	96
Genetics	2,005	325	1,081	120	209	270
Microbiology/immunology/virology	5,008	570	2,474	420	713	831
Nutrition	3,264	164	1,236	502	80	1,282
Pathology	1,400	172	655	21	158	394
Pharmacology	2,818	428	1,388	130	484	388
Physiology	2,067	204	874	144	183	662
Zoology	992	93	358	455	6	80
Biological sciences, nec	7,048	873	3,430	646	804	1,295
Computer sciences	26,937	1,463	7,084	4,374	181	13,835
Earth, atmospheric, and ocean sciences	11,102	1,300	4,664	2,704	106	2,328
Atmospheric sciences	928	38	633	128	16	113
Geosciences	5,372	649	2,068	1,821	42	792
Oceanography	2,197	341	1,171	291	16	378
Earth/atmospheric/ocean sciences, nec	2,605	272	792	464	32	1,045
Mathematical sciences	14,995	1,529	1,765	8,064	98	3,539
Mathematics/applied mathematics	11,805	1,264	1,194	6,698	62	2,587
Statistics	3,190	265	571	1,366	36	952
Physical sciences	32,368	3,073	13,809	12,449	436	2,601
Astronomy	1,158	179	664	239	6	70
Chemistry	18,606	1,787	7,476	7,707	311	1,325
Physics	12,344	1,100	5,611	4,469	115	1,049
Physical sciences, nec	260	7	58	34	4	157
Psychology	32,944	2,543	5,284	6,259	1,032	17,826
Clinical psychology	9,382	642	1,112	850	275	6,503
Psychology, general	9,619	1,038	2,033	3,163	372	3,013
Psychology, nec	13,943	863	2,139	2,246	385	8,310
Social sciences	61,843	8,971	7,848	13,925	1,319	29,780
Agricultural economics	1,831	118	986	217	15	495
Anthropology (cultural/social)	6,055	1,439	536	1,786	55	2,239
Economics (except agricultural)	9,645	1,580	1,171	3,272	154	3,468
Geography	2,971	210	689	1,080	19	973
History and philosophy of science	508	182	14	186	8	118
Linguistics	2,380	405	239	746	19	971
Political science	21,212	3,285	1,637	3,016	704	12,570
Sociology	6,382	890	1,023	2,261	253	1,955
Sociology/anthropology	565	17	67	259	0	222
Social sciences, nec	10,294	845	1,486	1,102	92	6,769
Engineering	85,134	7,151	35,048	12,043	992	29,900

TABLE 46. Full-time graduate students in science, engineering, and health fields in doctorate-granting institutions, by detailed field and primary mechanism of support: 2006

Field	Total	Fellowships	Research assistantships	Teaching assistantships	Traineeships	Other types of support
Aerospace engineering	3,291	302	1,387	459	40	1,103
Agricultural engineering	893	34	604	68	11	176
Biomedical engineering	5,641	812	2,432	480	360	1,557
Chemical engineering	6,185	677	3,652	742	114	1,000
Civil engineering	12,836	1,035	4,339	2,129	148	5,185
Electrical engineering	26,259	1,520	9,834	3,806	90	11,009
Engineering science	1,639	298	750	189	29	373
Industrial engineering	6,171	413	1,556	952	54	3,196
Mechanical engineering	12,408	981	5,610	2,229	89	3,499
Metallurgical/materials engineering	4,606	547	2,847	455	28	729
Mining engineering	177	7	62	30	0	78
Nuclear engineering	910	141	470	62	6	231
Petroleum engineering	642	60	314	85	3	180
Engineering, nec	3,476	324	1,191	357	20	1,584
Health fields	61,756	2,987	7,221	4,201	4,553	42,794
Clinical medicine	16,005	1,292	2,861	595	1,736	9,521
Anesthesiology	904	0	3	0	254	647
Cardiology	32	4	22	0	6	0
Endocrinology	42	0	18	4	10	10
Gastroenterology	17	13	4	0	0	0
Hematology	14	6	3	0	5	0
Neurology	2,883	597	1,245	194	512	335
Obstetrics/gynecology	47	2	4	0	1	40
Oncology/cancer research	340	86	145	3	43	63
Ophthalmology	389	7	9	41	96	236
Otorhinolaryngology	8	0	0	0	6	2
Pediatrics	245	42	82	7	23	91
Preventive medicine/community health	8,374	321	1,051	295	430	6,277
Psychiatry	126	21	25	5	16	59
Pulmonary disease	10	0	0	0	8	2
Radiology	183	13	72	12	13	73
Surgery	85	20	17	1	18	29
Clinical medicine, nec	2,306	160	161	33	295	1,657
Other health	45,751	1,695	4,360	3,606	2,817	33,273
Dental sciences	1,340	47	99	300	19	875
Nursing	11,795	440	397	538	1,924	8,496
Pharmaceutical sciences	4,480	199	1,327	908	40	2,006
Speech pathology/audiology	9,318	338	672	765	413	7,130
Veterinary sciences	1,663	70	684	78	55	776
Other health, nec	17,155	601	1,181	1,017	366	13,990

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 47. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1999–2006

Primary mechanism and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
All sources	269,103	275,460	287,755	308,028	320,469	322,655	323,371	331,382
Federal	56,935	58,834	59,728	65,618	71,809	73,436	73,700	73,692
DOD	7,623	7,699	7,675	7,652	8,878	8,639	8,601	8,465
DOE	2,717	2,980	3,101	3,536	4,007	4,114	4,370	4,442
HHS	17,167	17,621	18,036	20,121	22,170	23,650	23,881	24,331
NIH	15,931	16,272	16,524	18,532	20,372	22,319	22,731	23,286
Other HHS	1,236	1,349	1,512	1,589	1,798	1,331	1,150	1,045
NASA	2,507	2,720	2,772	3,037	3,175	2,875	2,652	2,338
NSF	13,678	14,442	15,239	16,936	19,066	19,690	20,049	19,972
USDA	2,569	2,566	2,682	3,022	3,387	3,468	3,252	2,896
Other	10,674	10,806	10,223	11,314	11,126	11,000	10,895	11,248
Institutional	118,464	118,412	125,445	132,047	135,251	137,071	137,828	141,069
Other nonfederal	23,537	25,040	25,300	25,845	26,099	24,155	24,089	24,598
Domestic	20,057	21,582	21,983	22,851	23,371	21,615	21,748	22,156
Foreign	3,480	3,458	3,317	2,994	2,728	2,540	2,341	2,442
Self-support	70,167	73,174	77,282	84,518	87,310	87,993	87,754	92,023
Fellowships	27,078	28,090	29,304	31,648	31,360	31,879	33,231	33,345
Federal	6,552	6,586	6,549	7,069	6,912	7,183	7,464	7,383
DOD	485	540	472	446	436	412	363	410
DOE	99	156	120	118	151	129	149	165
HHS	1,342	1,146	1,312	1,489	1,361	1,507	1,410	1,451
NIH	1,172	989	1,141	1,292	1,190	1,382	1,320	1,393
Other HHS	170	157	171	197	171	125	90	58
NASA	358	336	316	317	264	260	278	259
NSF	2,410	2,538	2,591	2,816	3,118	3,283	3,462	3,239
USDA	141	120	126	87	91	81	72	47
Other	1,717	1,750	1,612	1,796	1,491	1,511	1,730	1,812
Institutional	15,783	16,742	18,017	19,842	19,740	20,346	21,662	21,842
Other nonfederal	4,743	4,762	4,738	4,737	4,708	4,350	4,105	4,120
Domestic	3,231	3,403	3,336	3,548	3,699	3,406	3,128	3,051
Foreign	1,512	1,359	1,402	1,189	1,009	944	977	1,069
Self-support	na	na	na	na	na	na	na	na
Research assistantships	84,245	87,003	92,216	100,040	105,715	105,791	105,136	105,604
Federal	40,758	42,269	43,679	48,849	54,094	55,141	54,848	54,238
DOD	5,637	5,719	5,782	6,130	6,815	6,217	6,036	5,842
DOE	2,532	2,717	2,888	3,318	3,758	3,847	4,070	4,091
HHS	10,746	11,305	11,730	13,305	15,070	16,345	16,482	16,768
NIH	9,999	10,447	10,692	12,201	13,705	15,357	15,687	16,010
Other HHS	747	858	1,038	1,104	1,365	988	795	758
NASA	2,053	2,276	2,324	2,594	2,778	2,515	2,233	1,946
NSF	10,689	11,287	11,996	13,422	15,153	15,549	15,652	15,706
USDA	2,286	2,312	2,462	2,808	3,112	3,233	3,041	2,628
Other	6,815	6,653	6,497	7,272	7,408	7,435	7,334	7,257
Institutional	30,147	30,263	33,010	35,118	35,399	35,494	34,987	35,287
Other nonfederal	13,340	14,471	15,527	16,073	16,222	15,156	15,301	16,079
Domestic	12,745	13,841	14,898	15,355	15,586	14,572	14,744	15,529
Foreign	595	630	629	718	636	584	557	550
Self-support	na	na	na	na	na	na	na	na
Teaching assistantships	61,729	61,787	63,554	65,712	67,737	67,569	68,588	70,003
Federal	850	1,242	947	1,077	1,326	1,303	1,442	1,442
DOD	na	na	na	na	na	na	na	na
DOE	16	34	27	41	48	58	78	80
HHS	203	277	244	250	324	268	311	325
NIH	196	261	213	203	283	245	273	290
Other HHS	7	16	31	47	41	23	38	35

TABLE 47. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1999–2006

Primary mechanism and primary source of support	1999	2000	2001	2002	2003	2004	2005	2006
NASA	9	11	34	26	33	30	50	46
NSF	121	133	186	208	284	282	373	411
USDA	60	68	46	46	80	63	53	73
Other	441	719	410	506	557	602	577	507
Institutional	60,212	59,603	61,699	63,583	65,422	65,326	66,212	67,632
Other nonfederal	667	942	908	1,052	989	940	934	929
Domestic	667	942	908	1,052	989	940	934	929
Foreign	na	na	na	na	na	na	na	na
Self-support	na	na	na	na	na	na	na	na
Traineeships	9,432	9,439	9,079	9,754	10,072	9,820	9,873	9,724
Federal	5,404	5,683	5,413	5,735	5,901	5,869	6,007	5,949
DOD	51	57	36	46	39	45	63	76
DOE	22	10	2	9	5	25	35	64
HHS	4,360	4,410	4,220	4,513	4,794	4,860	4,982	4,891
NIH	4,160	4,136	3,988	4,311	4,654	4,727	4,837	4,776
Other HHS	200	274	232	202	140	133	145	115
NASA	51	46	50	52	56	48	56	50
NSF	344	324	336	318	328	398	373	368
USDA	25	18	16	13	14	16	23	23
Other	551	818	753	784	665	477	475	477
Institutional	3,400	3,248	3,251	3,626	3,618	3,445	3,276	3,306
Other nonfederal	628	508	415	393	553	506	590	469
Domestic	528	363	304	334	465	404	528	401
Foreign	100	145	111	59	88	102	62	68
Self-support	na	na	na	na	na	na	na	na
Other types of support	86,619	89,141	93,602	100,874	105,585	107,596	106,543	112,706
Federal	3,371	3,054	3,140	2,888	3,576	3,940	3,939	4,680
DOD	1,450	1,383	1,385	1,030	1,588	1,965	2,139	2,137
DOE	48	63	64	50	45	55	38	42
HHS	516	483	530	564	621	670	696	896
NIH	404	439	490	525	540	608	614	817
Other HHS	112	44	40	39	81	62	82	79
NASA	36	51	48	48	44	22	35	37
NSF	114	160	130	172	183	178	189	248
USDA	57	48	32	68	90	75	63	125
Other	1,150	866	951	956	1,005	975	779	1,195
Institutional	8,922	8,556	9,468	9,878	11,072	12,460	11,691	13,002
Other nonfederal	4,159	4,357	3,712	3,590	3,627	3,203	3,159	3,001
Domestic	2,886	3,033	2,537	2,562	2,632	2,293	2,414	2,246
Foreign	1,273	1,324	1,175	1,028	995	910	745	755
Self-support	70,167	73,174	77,282	84,518	87,310	87,993	87,754	92,023

na = not applicable.

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 = U.S. Department of Agriculture.

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

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
–	All institutions	443,104	443,542	459,438	487,645	510,335	518,641	527,048	542,073
1	Walden U.	812	873	941	1,069	959	2,498	6,211	8,840
2	U. FL	4,788	5,082	5,319	5,991	6,653	6,740	6,918	7,311
3	U. MN all campuses	5,413	5,327	6,057	6,533	6,911	7,343	6,817	6,732
4	U. Southern CA	5,351	5,315	5,252	6,009	6,385	6,542	6,870	6,525
5	U. MI all campuses	5,500	5,579	5,701	6,226	6,468	6,396	6,109	6,073
6	George Washington U.	4,377	4,271	4,618	4,790	5,133	6,157	6,265	5,991
7	MA Institute of Technology	4,595	4,679	4,791	5,901	5,963	5,988	5,918	5,933
8	TX A&M U. all campuses	4,498	4,942	5,060	5,327	5,835	5,650	5,728	5,887
9	U. WA	4,611	4,782	4,883	5,113	5,598	5,442	5,593	5,783
10	U. CA, Berkeley	4,866	4,885	5,010	5,243	5,727	5,785	5,781	5,768
11	Stanford U.	4,842	4,735	4,928	4,856	4,898	5,356	5,392	5,615
12	GA Institute of Technology all campuses	3,695	4,059	4,531	5,022	5,384	5,295	5,294	5,575
13	U. CA, Los Angeles	4,738	4,699	4,830	5,661	5,808	5,130	5,427	5,468
14	U. CO all campuses	4,943	5,233	5,394	5,620	6,183	6,157	5,371	5,467
15	U. IL Urbana-Champaign	4,589	4,510	4,725	5,061	5,317	5,516	5,352	5,349
16	U. WI Madison	4,961	4,928	5,013	5,191	5,432	5,377	5,259	5,085
17	Boston U.	3,549	3,601	3,545	3,773	4,108	4,517	4,755	4,967
18	Harvard U.	3,691	3,856	4,301	4,157	4,343	4,570	4,738	4,905
19	U. MD College Park	3,914	4,189	4,131	4,639	4,780	4,850	4,870	4,862
20	OH State U. all campuses	4,563	4,661	4,650	4,752	5,071	5,058	5,112	4,830
21	Purdue U. all campuses	3,868	3,859	4,019	4,241	4,337	4,395	4,661	4,828
22	PA State U. all campuses	4,077	4,024	4,329	4,725	4,814	4,816	4,654	4,737
23	U. TX Austin	4,011	4,063	4,169	4,292	4,410	4,308	4,340	4,384
24	U. IL Chicago	3,407	3,585	3,709	3,992	3,846	4,742	4,367	4,243
25	NC State U.	3,541	3,624	3,827	3,929	3,961	4,130	4,202	4,178
26	Cornell U. all campuses	3,528	3,495	3,750	3,869	4,057	4,040	4,096	4,167
27	Columbia U. in the City of NY	2,333	2,278	2,062	2,197	2,429	3,634	3,995	4,154
28	VA Polytechnic Institute and State U.	3,250	3,619	3,868	4,032	4,184	4,150	4,100	4,134
29	AZ State U. main campus	3,346	3,427	3,649	3,786	3,685	3,629	3,735	3,936
30	U. Pittsburgh all campuses	3,469	3,397	3,400	3,624	3,941	3,820	3,877	3,915
31	Johns Hopkins U., The	2,610	2,645	2,639	2,990	3,250	3,518	3,771	3,815
32	IN U. all campuses	3,274	3,135	3,187	3,315	3,460	3,595	3,880	3,728
33	U. MA	3,357	2,947	2,948	3,386	3,416	3,448	3,513	3,597
34	U. CA, Davis	2,622	2,768	2,923	3,169	3,451	3,519	3,572	3,563
35	SUNY Stony Brook all campuses	2,592	2,565	2,680	2,961	3,201	3,124	3,021	3,527
36	Rutgers, The State U. NJ all campuses	4,174	4,096	3,887	3,886	3,780	3,696	3,529	3,473
37	U. NC Chapel Hill	3,213	3,214	3,121	3,337	3,435	3,378	3,551	3,455
38	SUNY Buffalo all campuses	3,095	3,026	2,963	3,225	3,521	3,454	3,326	3,435
39	George Mason U.	3,107	3,169	3,171	3,395	3,456	3,120	3,166	3,377
40	Nova Southeastern U.	2,608	2,552	2,428	2,558	2,745	3,246	3,297	3,287
41	U. KS all campuses	3,144	3,166	3,195	3,277	3,391	3,263	3,268	3,278
42	U. Cincinnati all campuses	2,592	2,460	2,472	2,569	2,645	2,659	3,467	3,272
43	U. CA, San Diego	1,928	2,003	2,340	2,628	2,829	2,829	2,822	3,236
44	Drexel U.	2,373	2,331	2,166	2,423	2,651	2,883	3,233	3,233
45	U. South FL	2,960	2,991	3,084	3,103	3,207	2,895	3,176	3,233
46	NY U.	3,010	2,825	2,988	2,911	3,058	3,084	3,139	3,178
47	U. KY all campuses	2,246	1,972	2,319	2,751	2,697	2,515	2,973	3,151
48	U. AZ	3,251	3,042	3,115	3,350	3,366	3,310	3,289	3,137
49	U. UT	2,110	2,265	2,410	2,473	2,633	2,973	2,968	3,094
50	MI State U.	3,045	2,916	2,929	3,116	3,073	2,990	2,987	3,053
51	U. TN Knoxville	2,489	2,244	2,452	2,637	2,809	2,963	3,021	2,996

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
52	U. Central FL	2,157	2,196	2,334	2,595	2,944	3,023	3,035	2,991
53	DePaul U.	2,249	2,862	3,075	3,338	2,996	3,227	3,058	2,914
54	LA State U. all campuses ^a	3,055	2,806	2,945	3,068	3,286	3,283	2,371	2,869
55	U. CT all campuses	2,463	2,255	2,381	2,462	2,735	2,949	2,932	2,857
56	IA State U.	2,557	2,655	2,662	2,835	2,936	2,911	2,574	2,828
57	Carnegie Mellon U.	2,000	2,100	2,329	2,364	2,496	2,739	2,712	2,689
58	Wayne State U.	2,992	3,362	3,201	3,291	3,037	2,536	2,663	2,676
59	CO State U.	1,965	2,023	2,428	2,649	2,818	2,640	2,639	2,617
60	Long Island U. all campuses ^b	2,174	2,157	2,156	2,192	2,252	2,275	2,656	2,613
61	Georgetown U.	812	703	755	831	896	1,099	1,146	2,599
62	SUNY Albany	2,241	2,173	2,107	2,147	2,502	2,371	2,431	2,565
63	U. TX Arlington	1,834	2,133	2,322	2,962	3,219	3,159	2,782	2,565
64	U. OK all campuses	2,114	1,972	2,398	2,625	2,644	2,591	2,604	2,505
65	U. WI Milwaukee	1,387	1,968	1,893	2,047	2,192	2,328	2,382	2,473
66	FL International U.	1,537	1,586	1,780	2,066	2,081	2,035	2,097	2,454
67	U. NM all campuses	2,272	2,435	2,483	2,280	2,417	2,440	2,462	2,436
68	U. AL Birmingham, The	2,014	2,140	2,159	2,254	2,335	2,405	2,413	2,322
69	U. CA, Irvine	1,387	1,431	1,590	1,951	2,193	2,241	2,289	2,320
70	NJ Institute of Technology	1,943	2,387	2,275	2,279	2,314	2,287	2,229	2,296
71	U. IA	2,090	1,998	2,085	2,091	2,227	2,317	2,337	2,285
72	San Diego State U.	2,144	2,082	2,151	2,321	2,421	2,211	2,473	2,270
73	U. PA	2,095	1,999	2,093	2,163	2,227	2,238	2,310	2,255
74	Temple U.	1,490	2,123	2,013	3,199	3,227	2,602	2,326	2,253
75	Northwestern U.	1,728	1,614	1,638	1,797	1,905	2,093	2,177	2,231
76	Northeastern U.	1,984	1,942	1,781	1,855	1,772	1,854	1,972	2,172
77	WV U.	1,987	1,861	1,838	1,984	2,177	2,108	2,116	2,161
78	IL Institute of Technology	2,110	2,154	2,725	2,057	1,459	1,403	1,276	2,145
79	Washington U. St. Louis	1,546	1,447	1,501	1,577	1,737	1,832	1,773	2,142
80	TX Woman's U.	1,658	1,573	1,557	1,601	1,780	1,897	2,253	2,140
81	U. VA all campuses	1,738	1,822	1,856	1,951	2,039	2,082	2,087	2,077
82	OR State U.	1,630	1,655	1,688	1,783	1,846	1,860	1,942	2,074
83	U. TX Dallas	1,452	1,863	1,870	2,067	2,082	1,984	1,948	2,068
84	FL State U.	1,466	1,598	1,654	1,702	1,868	1,960	2,017	2,067
85	Old Dominion U.	1,581	1,636	1,798	1,878	1,910	1,913	1,939	2,067
86	U. MO-Columbia	1,713	1,744	1,745	1,870	1,930	1,991	2,056	2,067
87	CUNY Graduate Ctr.	1,810	1,624	1,682	1,746	1,920	2,035	1,972	2,062
88	U. Houston	2,051	2,032	1,915	2,077	2,059	2,044	2,101	2,062
89	U. HI Manoa	1,753	1,587	1,655	1,869	1,949	2,108	2,092	2,058
90	VA Commonwealth U.	2,235	1,863	2,024	1,946	2,020	2,074	1,944	2,020
91	TX Tech U.	1,504	1,444	1,589	1,887	2,053	1,985	1,950	2,011
92	U. GA	1,925	1,959	1,935	2,039	2,028	2,070	2,035	1,992
93	U. DE	1,588	1,556	1,578	1,678	1,796	1,835	1,904	1,961
94	Yale U.	1,608	1,678	1,748	1,728	1,930	1,938	1,919	1,961
95	U. CA, Santa Barbara	1,570	1,625	1,741	1,893	2,049	1,972	2,006	1,928
96	CA State U. Long Beach	1,647	1,551	1,405	1,542	1,585	1,686	1,620	1,911
97	Auburn U. all campuses	1,530	1,628	1,667	1,740	1,792	1,832	1,817	1,882
98	U. Chicago	2,000	1,795	1,953	1,953	1,818	1,388	1,658	1,835
99	KS State U.	1,834	1,863	1,771	1,867	1,949	1,931	1,863	1,824
100	Southern IL U. Carbondale	1,620	1,760	1,690	1,849	1,892	1,723	1,819	1,824
101	Syracuse U. all campuses	1,693	1,765	1,765	1,756	1,861	1,763	1,706	1,819
102	Portland State U.	1,356	1,224	1,251	1,472	1,644	1,547	1,824	1,809
103	Duke U.	1,498	1,508	1,503	1,644	1,693	1,792	1,820	1,786

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
104	American U.	1,857	1,822	1,793	1,982	1,912	1,869	1,838	1,751
105	Brigham Young U. all campuses	1,092	1,004	1,077	1,170	1,463	1,095	1,578	1,735
106	Fairleigh Dickinson U. all campuses	929	1,142	1,369	1,406	1,432	1,603	1,784	1,735
107	U. NE Lincoln	1,658	1,600	1,486	1,620	1,696	1,686	1,639	1,693
108	Princeton U.	1,323	1,427	1,485	1,514	1,559	1,594	1,538	1,678
109	Clemson U.	1,627	1,577	1,616	1,677	1,718	1,763	1,698	1,657
110	Case Western Reserve U.	1,489	1,431	1,417	1,439	1,752	1,811	1,710	1,652
111	U. AR main campus	1,227	1,282	1,443	1,236	1,414	1,571	1,578	1,652
112	U. SC all campuses	1,746	1,713	1,682	1,679	1,647	1,558	1,486	1,652
113	GA State U.	1,278	1,237	1,313	1,401	1,583	1,581	1,652	1,651
114	WA State U.	1,247	1,428	1,425	1,503	1,594	1,550	1,501	1,640
115	MS State U.	1,181	1,258	1,258	1,407	1,301	1,582	1,586	1,600
116	Northern IL U.	1,246	1,284	1,409	1,482	1,478	1,504	1,560	1,590
117	OK State U. all campuses	1,684	1,501	1,591	1,737	1,713	1,644	1,550	1,578
118	Stevens Institute of Technology	1,219	911	958	1,071	1,240	1,438	1,462	1,574
119	U. Louisville	1,224	1,386	1,521	1,473	1,605	1,633	1,583	1,572
120	U. Rochester	1,277	1,166	1,223	1,288	1,341	1,414	1,479	1,558
121	Teachers C. Columbia U.	2,467	1,422	1,556	1,388	1,508	1,481	1,504	1,532
122	CUNY John Jay C. of Criminal Justice	1,107	997	978	1,161	1,361	1,541	1,567	1,527
123	U. PR Rio Piedras Campus	1,280	1,239	1,268	1,398	1,330	1,306	1,588	1,497
124	St. John's U. (Jamaica, NY)	830	764	778	753	763	826	1,362	1,484
125	Tufts U.	1,133	1,237	1,251	1,365	1,375	1,493	1,525	1,461
126	SUNY Binghamton	1,209	1,209	1,240	1,352	1,413	1,318	1,275	1,455
127	Vanderbilt U.	1,190	1,175	1,118	1,231	1,354	1,409	1,467	1,452
128	U. MD Baltimore County	897	928	1,079	1,246	1,265	1,250	1,425	1,447
129	East Carolina U.	613	589	629	650	706	933	1,109	1,445
130	U. North TX	1,947	1,771	1,677	1,676	1,545	1,349	1,358	1,444
131	Western MI U.	1,551	1,352	1,678	1,691	1,701	1,583	1,367	1,440
132	Wichita State U.	1,221	1,299	1,567	1,630	1,572	1,514	1,409	1,429
133	U. Miami	1,062	1,250	1,212	1,212	1,295	1,285	1,323	1,414
134	Antioch U. all campuses	1,099	1,136	1,178	1,217	1,287	1,368	1,429	1,410
135	A.T. Still U. of Health Sciences	352	521	371	645	788	1,094	1,290	1,404
136	U. Akron all campuses	1,429	1,222	1,380	1,495	1,445	1,367	1,376	1,393
137	Cleveland State U.	827	1,013	1,090	1,213	1,489	1,425	1,381	1,381
138	U. South AL	696	831	905	906	1,080	1,220	1,269	1,369
139	FL Atlantic U.	1,028	1,032	1,109	1,242	1,311	1,284	1,315	1,345
140	U. TX Health Science Ctr. Houston	1,318	1,518	1,429	1,497	1,374	1,337	1,363	1,343
141	U. MA Lowell ^b	1,833	1,604	1,444	1,238	1,341	1,211	1,194	1,337
142	U. NC Charlotte	843	956	1,067	1,182	1,251	1,249	1,293	1,330
143	Alliant International U.	ne	ne	ne	1,282	1,250	1,211	1,252	1,327
144	U. NV, Las Vegas	529	611	671	801	1,009	1,107	1,167	1,318
145	U. MO-Rolla	857	1,016	1,159	1,358	1,291	1,071	1,071	1,316
146	Wright State U. all campuses	1,046	1,080	1,146	1,302	1,369	1,375	1,384	1,315
147	NM State U. all campuses	993	1,009	1,101	1,087	1,297	1,350	1,346	1,292
148	New School, The	999	957	995	1,070	1,120	1,247	1,285	1,290
149	U. CA, Riverside	775	887	951	1,012	1,143	1,194	1,239	1,258
150	Emory U.	1,799	1,021	964	1,220	1,142	1,178	1,243	1,256
151	CA Institute of Technology	982	1,042	1,139	1,184	1,273	1,288	1,268	1,239
152	U. NV, Reno	982	1,005	1,101	1,140	1,192	1,197	1,200	1,236
153	Tulane U. ^a	1,570	1,650	1,692	2,073	2,187	2,169	NA	1,230
154	UT State U.	1,275	1,269	1,259	1,329	1,359	1,258	1,307	1,223
155	Southern Methodist U.	1,137	1,038	1,040	1,001	961	1,170	1,293	1,222

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
156	U. Denver	857	893	666	919	927	901	937	1,218
157	Marquette U.	869	1,038	1,217	1,106	1,187	1,239	1,173	1,188
158	Oakland U.	915	963	966	1,132	1,126	1,138	1,149	1,181
159	U. RI	1,155	1,167	1,075	1,146	1,227	1,220	1,265	1,175
160	U. CA, San Francisco	890	632	966	1,029	1,252	1,215	1,223	1,173
161	U. MO-Kansas City	710	789	857	964	1,036	981	1,069	1,145
162	St. Louis U. all campuses	972	875	922	908	898	959	1,128	1,139
163	U. TX San Antonio	395	366	425	512	604	588	1,089	1,139
164	Northern AZ U.	749	743	756	773	843	704	668	1,117
165	Eastern MI U.	645	690	718	763	891	970	1,021	1,112
166	U. MD Baltimore	1,000	934	996	916	960	1,080	925	1,106
167	U. NH	906	914	908	992	1,070	1,121	1,131	1,104
168	U. TX El Paso	769	760	404	858	931	1,130	988	1,101
169	Loma Linda U.	1,281	1,207	1,127	1,142	1,157	1,181	1,229	1,086
170	CUNY Hunter C. ^b	620	361	397	737	994	918	1,061	1,080
171	U. of Notre Dame	834	835	922	984	1,037	1,028	1,071	1,075
172	Rice U.	730	763	848	941	962	1,009	1,041	1,072
173	U. NC Greensboro	749	782	727	776	799	979	1,033	1,070
174	Rensselaer Polytechnic Institute	1,646	1,728	1,751	1,417	1,215	1,074	972	1,064
175	U. AL Huntsville, The	946	944	944	1,084	1,207	1,135	1,046	1,052
176	U. ID	1,200	1,042	1,084	1,195	1,311	1,254	1,211	1,051
177	OH U. all campuses	958	1,023	982	1,033	1,046	965	1,042	1,042
178	Towson U.	812	960	865	689	959	997	1,057	1,037
179	Brown U.	739	772	795	834	894	1,027	1,004	1,002
180	Seton Hall U. ^b	812	758	703	767	841	879	1,015	1,000
181	U. CA, Santa Cruz	735	750	797	879	983	983	995	992
182	Naval Postgraduate School ^b	795	795	766	379	985	944	952	976
183	Kent State U. all campuses	981	970	998	1,119	951	966	936	966
184	U. WY	873	862	899	943	1,002	994	1,025	964
185	U. PR Medical Sciences Campus ^b	747	976	1,006	984	1,047	911	963	958
186	Polytechnic U.	1,200	778	820	798	746	737	843	954
187	Pepperdine U.	682	646	678	718	813	833	931	942
188	TX State U. San Marcos	877	780	824	877	965	974	938	911
189	Southern U. and A&M C. all campuses	626	792	758	707	889	908	916	909
190	ND State U. all campuses	605	584	650	663	1,113	1,076	1,073	908
191	U. NE Omaha	580	677	788	838	836	830	858	901
192	U. Bridgeport	492	700	872	801	699	631	616	897
193	U. Memphis, The	868	913	1,184	1,156	1,291	946	941	893
194	U. ND all campuses	633	647	624	627	724	695	809	891
195	TX Southern U.	635	648	489	506	948	669	943	890
196	U. AL, The	1,003	991	960	1,011	1,047	1,017	909	889
197	U. PR Mayaguez Campus	687	733	757	814	885	906	888	877
198	FL Institute of Technology	721	775	973	932	965	1,043	966	874
199	CUNY The City C.	897	812	841	862	894	900	912	869
200	Ball State U.	753	779	841	821	838	728	834	854
201	U. Southern MS	609	730	777	754	762	909	974	846
202	Pace U. all campuses	832	1,048	1,390	1,426	1,259	1,030	872	838
203	U. MS all campuses	772	793	772	755	763	806	854	833
204	NY Institute of Technology all campuses	789	742	763	805	703	656	719	828
205	Barry U. ^b	ne	ne	720	700	726	760	792	814
206	Villanova U.	638	716	755	803	849	882	830	811
207	IN State U. all campuses	361	308	641	515	368	593	693	808

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
208	Lehigh U.	901	682	687	742	763	803	816	808
209	Air Force Institute of Technology	392	423	345	363	323	897	966	806
210	U. Toledo	1,046	953	972	962	908	908	898	789
211	Santa Clara U.	846	697	633	734	804	765	785	785
212	CO School of Mines	700	668	668	749	729	735	748	776
213	U. MT-Missoula, The	586	597	653	667	741	765	789	776
214	U. IL Springfield	988	818	893	899	826	548	644	773
215	Loyola U. Chicago	998	1,049	822	937	860	732	781	770
216	Adelphi U.	551	458	500	547	580	682	738	767
217	U. VT	603	631	612	623	717	718	746	757
218	MI Technological U.	589	600	597	638	705	746	738	753
219	Marshall U.	830	686	696	814	739	748	775	747
220	U. Central AR	491	496	413	452	449	477	589	745
221	Rochester Institute of Technology	513	499	594	698	707	733	714	744
222	U. ME	623	647	660	690	734	736	744	728
223	U. OR	648	666	678	701	752	738	744	727
224	Yeshiva U.	707	666	651	652	657	659	776	722
225	East TN State U.	514	424	452	520	606	534	609	720
226	CUNY Queens C.	698	667	584	544	491	211	666	709
227	TX A&M U. Kingsville ^b	419	422	444	506	616	703	712	708
228	Thomas Jefferson U.	475	432	364	489	527	527	638	702
229	Howard U.	743	707	765	766	799	827	732	701
230	MT State U. Bozeman	624	590	606	648	704	673	675	701
231	U. MO-St. Louis	663	719	718	697	683	707	659	699
232	Claremont Graduate U.	625	604	607	607	645	693	711	697
233	Loyola C. ^b	714	419	371	692	634	633	681	692
234	Worcester Polytechnic Institute	811	603	651	696	678	638	683	690
235	Bowling Green State U. all campuses ^b	558	592	571	617	656	673	656	689
236	Baylor C. of Medicine	421	429	454	506	517	533	662	685
237	Roosevelt U.	555	536	649	696	613	644	627	683
238	U. TX Southwestern Medical Ctr. Dallas	424	403	450	498	551	626	693	682
239	Dartmouth C.	492	525	530	620	649	671	702	672
240	Central MI U.	711	815	801	789	674	689	682	666
241	SD State U.	467	510	575	610	638	655	654	665
242	U. TX Medical Branch	309	264	315	380	736	714	873	663
243	U. AK Fairbanks all campuses	502	441	453	558	572	625	602	661
244	Boston C.	590	568	557	587	623	657	631	652
245	Ferris State U.	ne	ne	154	260	661	702	619	648
246	ID State U.	449	475	458	511	582	582	682	648
247	Indiana U. PA all campuses ^b	453	434	455	512	607	614	552	648
248	Miami U. all campuses	562	543	571	578	582	584	633	638
249	IL State U.	642	647	648	663	660	624	640	636
250	CA Institute of Integral Studies ^b	343	354	243	468	458	542	609	631
251	U. Detroit Mercy ^b	460	464	456	470	643	594	598	630
252	Carlos Albizu U. (San Juan, PR)	566	594	616	659	644	656	649	621
253	Fielding Institute, The	964	895	874	896	1,084	1,057	629	611
254	U. Northern CO	392	379	406	412	431	585	653	605
255	Southwest MO State U.	345	404	418	375	395	480	527	600
256	U. of Medicine and Dentistry NJ	275	389	366	354	386	479	533	578
257	Montclair State U.	560	501	462	572	507	501	551	569
258	U. Hartford	365	465	459	475	517	507	516	558
259	U. LA Lafayette	501	573	578	616	575	566	650	553

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
260	Pontifical Catholic U. PR, The	82	365	440	468	479	486	517	546
261	Rush U.	512	522	500	478	413	445	458	541
262	U. AR for Medical Sciences	410	351	323	424	498	494	523	539
263	AR State U. main campus	267	269	271	317	359	450	449	534
264	U. NE Medical Ctr.	327	401	411	450	459	464	474	532
265	FL A&M U.	319	407	352	408	413	458	460	527
266	Hampton U. ^b	244	242	398	373	437	468	493	506
267	U. Dayton	541	508	493	521	554	534	513	502
268	Lamar U.	416	422	485	621	689	774	547	501
269	Catholic U. America, The	560	500	487	472	459	502	486	498
270	Duquesne U.	527	487	468	448	448	447	449	489
271	Baylor U.	341	349	355	371	400	416	414	483
272	U. TN Chattanooga	344	333	418	416	413	420	465	482
273	Azusa Pacific U.	415	418	374	343	355	419	446	478
274	Hofstra U.	477	478	454	445	417	522	502	475
275	C. of William and Mary all campuses	423	408	385	454	440	454	447	473
276	U. North TX Health Science Ctr. Ft. Worth	208	219	278	383	436	424	432	472
277	Prairie View A&M U.	201	171	196	258	402	311	434	465
278	U. MA Dartmouth	328	326	362	393	387	377	414	465
279	LA Tech U.	303	348	346	545	537	664	542	463
280	Quinnipiac U.	200	420	457	428	446	526	484	447
281	Boise State U.	ne	ne	239	239	369	395	422	442
282	Wake Forest U.	319	329	355	375	393	395	412	436
283	Fordham U.	424	417	453	439	419	411	380	430
284	U. TX Health Science Ctr. San Antonio	582	573	406	419	390	556	412	417
285	Lawrence Technological U.	ne	ne	ne	ne	233	306	342	416
286	Marymount U.	ne	ne	298	154	157	161	148	416
287	Medical U. SC	251	224	224	226	259	303	303	411
288	Stephen F. Austin State U. ^b	303	272	277	298	382	450	398	409
289	U. Baltimore	380	358	334	345	354	405	386	399
290	Brandeis U.	492	528	560	589	413	399	384	396
291	NC Agricultural and Technical State U.	406	415	455	448	442	343	322	394
292	NY Medical C.	353	342	332	323	310	378	378	392
293	SUNY C. of Environmental Science and Forestry	434	435	462	462	402	398	429	392
294	U. SD	384	338	296	291	292	371	368	392
295	Xavier U.	231	259	262	274	313	339	390	389
296	U. La Verne	395	278	242	281	347	398	423	388
297	Fuller Theological Seminary CA	334	304	327	340	346	348	386	384
298	TN State U.	468	401	434	467	528	521	579	372
299	Philadelphia C. of Osteopathic Medicine ^b	241	422	414	428	456	473	364	371
300	Maharishi U. of Management ^b	82	167	215	219	223	277	368	366
301	U. NC Wilmington	189	217	211	214	233	323	337	362
302	U. Tulsa	346	345	388	419	433	392	356	361
303	Marywood U.	241	201	196	182	232	608	363	357
304	TX A&M U. Commerce	339	375	427	381	344	306	391	353
305	Jackson State U.	287	283	258	331	322	324	393	347
306	GA Southern U.	257	267	271	289	315	349	333	341
307	West TX A&M U.	266	263	250	272	249	289	321	333
308	James Madison U.	342	315	311	327	313	278	299	328
309	Clark U.	281	283	326	341	380	379	347	323
310	Clarkson U.	204	218	214	218	255	269	290	321
311	Morgan State U.	103	111	269	312	299	346	331	311

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
312	OR Health & Science U.	291	287	305	304	286	296	307	305
313	NM Institute of Mining and Technology	251	270	269	301	311	316	318	302
314	Medical C. GA	247	205	180	161	218	215	249	297
315	U. TN Health Science Ctr.	262	254	244	277	316	305	285	295
316	U. of the Sciences Philadelphia	63	61	115	265	217	266	262	295
317	U. San Diego	257	199	180	199	223	241	257	294
318	U. AR Little Rock ^b	232	279	279	286	310	308	244	290
319	Sam Houston State U.	367	284	386	475	386	440	163	275
320	Middle TN State U.	271	276	271	268	251	268	280	273
321	Pacific Graduate School of Psychology	296	288	288	295	276	267	258	272
322	TN Technological U.	342	270	257	247	272	293	278	259
323	Mayo Graduate School	173	184	180	210	207	232	224	246
324	Mt. Sinai School of Medicine	190	197	210	209	213	204	215	241
325	Sacred Heart U. ^b	ne	ne	334	358	265	270	242	241
326	Andrews U.	316	258	235	195	241	217	232	237
327	SD School of Mines and Technology	205	276	321	343	289	272	234	235
328	AL A&M U.	69	147	131	164	229	198	182	221
329	U. MD Eastern Shore	171	177	158	209	225	193	199	218
330	Forest Institute of Professional Psychology	246	251	251	235	209	214	205	217
331	Mercer U. all campuses	232	230	193	181	178	155	178	213
332	Slippery Rock U. PA	345	248	134	194	206	233	209	208
333	Eastern VA Medical School	167	183	185	193	213	211	192	207
334	U. of the Pacific	196	182	171	197	204	208	201	204
335	Medical C. WI	430	329	418	426	151	159	181	202
336	Spalding U. ^b	199	211	188	235	238	191	196	202
337	Rockefeller U.	140	151	169	174	167	193	200	199
338	Creighton U.	197	189	181	197	231	236	229	198
339	OGI School of Science & Engineering at OR Health & Science U.	235	369	443	473	341	197	145	192
340	Albany Medical C.	97	107	108	116	108	153	180	184
341	Uniformed Services U. of the Health Sciences	133	134	150	166	165	166	168	184
342	Clark Atlanta U. ^b	256	200	184	199	155	173	180	183
343	Bloomsburg U. PA	51	53	58	68	52	166	173	176
344	Alfred U. all campuses ^b	134	147	148	144	162	161	151	153
345	TX Christian U.	134	122	114	121	117	125	132	151
346	Woods Hole Oceanographic Institution	125	114	114	123	128	139	139	145
347	SUNY Upstate Medical U.	96	97	96	100	113	155	152	143
348	U. WI Stevens Point	115	122	117	108	106	121	128	134
349	Medical U. OH	461	364	306	361	371	112	131	133
350	Pittsburg State U.	191	180	172	170	172	177	99	128
351	Tuskegee U.	140	125	132	141	131	131	109	123
352	Wesleyan U.	112	114	119	117	135	134	126	120
353	U. LA Monroe	237	232	257	140	132	134	111	107
354	Rosalind Franklin U. of Medicine and Science ^b	264	234	231	225	235	215	197	105
355	Gallaudet U.	36	35	62	62	57	95	94	101
356	Pardee RAND Graduate School of Policy Studies	57	64	69	74	83	91	101	96
357	TX A&M U. System Health Science Ctr.	56	72	87	99	97	108	105	95
358	SUNY Health Science Ctr. Brooklyn	96	84	91	86	91	86	82	87
359	Bryn Mawr C.	95	96	91	88	99	84	87	84
360	DE State U. ^b	28	18	18	11	11	7	50	84
361	Baylor C. of Dentistry	71	62	80	66	75	70	72	73
362	Meharry Medical C.	125	145	137	109	132	101	81	71

TABLE 48. Graduate students in science, engineering, and health fields in doctorate-granting institutions, institutions ranked by 2006 graduate student total: 1999–2006

Rank	Institution	1999	2000	2001	2002	2003	2004	2005	2006
363	MA C. of Pharmacy and Health Sciences ^b	80	68	93	114	127	90	88	66
364	Union Institute & U. ^b	419	374	374	374	319	319	334	56
365	Biola U.	46	40	39	38	40	36	38	43
366	CUNY Herbert H. Lehman C. ^b	56	67	91	113	115	69	70	37
367	Morehouse School of Medicine	15	15	18	19	21	32	26	27
368	Ponce School of Medicine	17	21	23	26	24	25	29	27
369	SUNY C. of Optometry	27	24	25	24	30	28	22	27
370	Kansas City U. of Medicine and Biosciences	ne	ne	ne	ne	ne	ne	18	22
371	Wright Institute all campuses	292	282	318	29	25	26	27	0
–	CA School of Professional Psychology Alameda	246	223	197	na	na	na	na	na
–	CA School of Professional Psychology Fresno	374	357	312	na	na	na	na	na
–	CA School of Professional Psychology Los Angeles	665	370	583	na	na	na	na	na
–	CA School of Professional Psychology San Diego	573	681	849	na	na	na	na	na
–	Chicago School of Professional Psychology	205	na	na	na	na	na	na	na
–	Institute of Paper Science and Technology	75	69	68	68	ne	ne	ne	ne
–	U. New England	81	ne	ne	ne	ne	ne	ne	ne
–	U.S. International U.	304	235	na	na	na	na	na	na
–	Xavier U. LA	103	104	48	ne	ne	ne	ne	ne

na = not applicable; school did not exist under this name. NA = not available; data were not collected from this institution in this year. ne = not eligible; institution did not meet the criteria for inclusion.

^aTulane and the two LSU New Orleans campuses were closed in fall 2005 due to Hurricane Katrina and did not report data.

^bInstitution did not respond to the 2006 survey; all 2006 data are imputed.

NOTE: Tied institutions are ranked alphabetically.

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

TABLE 49. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	40,765	43,091	43,285	44,999	46,700	47,202 r	48,503	49,201
Science and engineering	28,945	30,200	30,170	31,903	33,639	34,028 r	34,407	34,757
Science	25,749	26,887	27,018	28,337	29,829	30,081 r	30,243	30,134
Agricultural sciences	749	822	833	963	1,054	958	1,006	927
Biological sciences	16,093	16,732	17,030	17,635	18,618	18,697 r	18,739	18,787
Anatomy	497	428	413	423	471	477	417	377
Biochemistry	2,485	2,469	2,552	2,746	2,628	2,526 r	2,553	2,416
Biology	1,889	1,936	1,961	2,042	2,073	1,945	2,006	2,300
Biometry/epidemiology	181	125	152	231	244	238	259	300
Biophysics	266	164	187	233	195	218	191	224
Botany	559	518	563	572	560	571	590	636
Cell biology	2,237	2,241	2,145	2,297	2,348	2,333	2,445	2,407
Ecology	123	152	161	186	189	170	187	192
Entomology/parasitology	178	197	221	234	255	289	281	241
Genetics	796	795	883	926	1,037	941	1,031	851
Microbiology/immunology/virology	2,158	2,253	2,192	2,447	2,346	2,150 r	2,257	2,150
Nutrition	238	224	251	233	249	280	306	259
Pathology	1,321	1,757	1,803	1,837	1,944	1,827 r	1,400	1,587
Pharmacology	1,511	1,460	1,381	1,360	1,498	1,530	1,514	1,436
Physiology	1,132	1,140	1,193	1,165	1,249	1,279 r	1,295	1,260
Zoology	138	104	82	83	77	100	134	103
Biological sciences, nec	384	769	890	620	1,255	1,823	1,873	2,048
Computer sciences	332	341	333	354	353	384	406	456
Earth, atmospheric, and ocean sciences	923	1,155	1,049	1,128	1,182	1,263	1,364	1,493
Atmospheric sciences	107	94	100	94	109	128	123	128
Geosciences	477	514	471	443	463	507	521	540
Oceanography	235	246	218	270	250	300	347	346
Earth/atmospheric/ocean sciences, nec	104	301	260	321	360	328	373	479
Mathematical sciences	351	385	353	393	449	468	496	574
Mathematics/applied mathematics	321	357	329	363	407	420	439	507
Statistics	30	28	24	30	42	48	57	67
Physical sciences	6,136	6,252	6,203	6,596	6,812	7,048	6,980	6,643
Astronomy	375	315	311	330	319	367	388	360
Chemistry	3,824	3,865	3,854	3,973	4,135	4,330	4,190	4,015
Physics	1,853	1,942	1,902	2,149	2,197	2,135	2,203	2,100
Physical sciences, nec	84	130	136	144	161	216	199	168
Psychology	711	729	809	814	959	898	881	863
Clinical psychology	70	73	81	68	72	67	64	62
Psychology, general	407	410	498	531	633	594	576	527
Psychology, nec	234	246	230	215	254	237	241	274
Social sciences	454	471	408	454	402	365 r	371	391
Agricultural economics	43	41	34	21	25	34	40	36
Anthropology (cultural/social)	87	73	56	66	57	54 r	65	61
Economics (except agricultural)	31	32	23	29	36	20	13	16
Geography	30	34	36	30	29	31	42	62
History and philosophy of science	10	14	9	13	14	6	9	8
Linguistics	15	19	17	22	29	29	24	25
Political science	70	50	52	61	51	44	42	60
Sociology	104	102	88	80	74	64 r	53	37
Sociology/anthropology	0	0	4	29	2	13	10	6
Social sciences, nec	64	106	89	103	85	70	73	80
Engineering	3,196	3,313	3,152	3,566	3,810	3,947	4,164	4,623
Aerospace engineering	128	111	128	140	141	141	153	165
Agricultural engineering	62	56	58	65	85	79	89	116

TABLE 49. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Biomedical engineering	242	220	262	284	388	425	477	591
Chemical engineering	671	703	574	758	686	689	702	722
Civil engineering	299	295	268	342	300	313	384	462
Electrical engineering	548	525	436	613	646	654	689	716
Engineering science	122	163	162	169	180	180	168	224
Industrial engineering	27	48	21	43	45	50	51	51
Mechanical engineering	476	480	501	441	543	514	562	641
Metallurgical/materials engineering	421	507	479	507	539	567	578	571
Mining engineering	6	8	14	10	12	9	8	11
Nuclear engineering	30	40	77	26	49	67	41	85
Petroleum engineering	19	20	17	15	17	14	13	18
Engineering, nec	145	137	155	153	179	245	249	250
Health fields	11,820	12,891	13,115	13,096	13,061	13,174 r	14,096	14,444
Clinical medicine	10,623	11,555	11,663	11,582	11,445	11,477 r	12,323	12,583
Anesthesiology	230	255	254	270	268	274	301	335
Cardiology	607	566	471	446	422	364	403	420
Endocrinology	255	263	213	262	254	262	270	287
Gastroenterology	294	310	265	270	246	235	230	247
Hematology	372	302	367	314	262	278	235	243
Neurology	1,164	1,194	1,322	1,307	1,311	1,445 r	1,481	1,565
Obstetrics/gynecology	223	386	354	354	395	358	347	334
Oncology/cancer research	556	487	612	731	813	876 r	977	1,156
Ophthalmology	367	381	385	382	352	384 r	372	340
Otorhinolaryngology	112	112	120	119	124	146	149	155
Pediatrics	887	925	961	1,024	950	905	980	937
Preventive medicine/community health	347	425	303	329	299	291	287	275
Psychiatry	601	683	766	834	867	811	855	812
Pulmonary disease	240	266	247	215	209	170	154	136
Radiology	461	450	500	614	578	609 r	630	837
Surgery	1,097	1,089	1,156	1,129	1,173	1,142 r	1,189	1,135
Clinical medicine, nec	2,810	3,461	3,367	2,982	2,922	2,927	3,463	3,369
Other health	1,197	1,336	1,452	1,514	1,616	1,697 r	1,773	1,861
Dental sciences	212	230	194	176	173	143 r	169	192
Nursing	49	64	54	50	68	78 r	55	58
Pharmaceutical sciences	435	434	536	579	630	723	742	710
Speech pathology/audiology	58	59	36	56	50	37	40	52
Veterinary sciences	250	284	334	346	387	383	432	452
Other health, nec	193	265	298	307	308	333	335	397

nec = not elsewhere classified. r = data significantly revised; replaces previously published data.

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

TABLE 50. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field, primary source of support, and citizenship: 2006

Field	Postdoctoral appointees	Primary support federal				Primary support nonfederal	Citizenship	
		Total	Fellowships	Research grants	Traineeships		U.S. citizens and permanent residents	Temporary visa holders
All surveyed fields	49,201	33,741	3,679	27,333	2,729	15,460	21,043	28,158
Science and engineering	34,757	24,568	2,147	21,053	1,368	10,189	14,019	20,738
Science	30,134	21,546	2,008	18,215	1,323	8,588	12,500	17,634
Agricultural sciences	927	608	34	563	11	319	384	543
Biological sciences	18,787	13,480	1,399	11,020	1,061	5,307	7,809	10,978
Anatomy	377	304	27	253	24	73	158	219
Biochemistry	2,416	1,832	173	1,580	79	584	938	1,478
Biology	2,300	1,694	211	1,427	56	606	1,151	1,149
Biometry/epidemiology	300	227	27	112	88	73	183	117
Biophysics	224	146	11	122	13	78	79	145
Botany	636	455	18	436	1	181	215	421
Cell biology	2,407	1,655	255	1,318	82	752	955	1,452
Ecology	192	121	6	105	10	71	133	59
Entomology/parasitology	241	165	7	140	18	76	113	128
Genetics	851	563	55	463	45	288	372	479
Microbiology/immunology/virology	2,150	1,696	178	1,302	216	454	981	1,169
Nutrition	259	162	17	130	15	97	113	146
Pathology	1,587	985	75	778	132	602	639	948
Pharmacology	1,436	1,107	86	874	147	329	557	879
Physiology	1,260	950	79	814	57	310	408	852
Zoology	103	52	3	49	0	51	72	31
Biological sciences, nec	2,048	1,366	171	1,117	78	682	742	1,306
Computer sciences	456	294	20	270	4	162	158	298
Earth, atmospheric, and ocean sciences	1,493	1,046	77	963	6	447	733	760
Atmospheric sciences	128	93	0	93	0	35	43	85
Geosciences	540	387	36	350	1	153	226	314
Oceanography	346	179	19	160	0	167	167	179
Earth/atmospheric/ocean sciences, nec	479	387	22	360	5	92	297	182
Mathematical sciences	574	334	79	240	15	240	278	296
Mathematics/applied mathematics	507	285	68	204	13	222	242	265
Statistics	67	49	11	36	2	18	36	31
Physical sciences	6,643	4,923	287	4,555	81	1,720	2,304	4,339
Astronomy	360	270	36	234	0	90	163	197
Chemistry	4,015	2,866	206	2,585	75	1,149	1,350	2,665
Physics	2,100	1,631	45	1,580	6	469	705	1,395
Physical sciences, nec	168	156	0	156	0	12	86	82
Psychology	863	679	89	462	128	184	598	265
Clinical psychology	62	43	5	25	13	19	52	10
Psychology, general	527	430	53	301	76	97	371	156
Psychology, nec	274	206	31	136	39	68	175	99
Social sciences	391	182	23	142	17	209	236	155
Agricultural economics	36	22	2	20	0	14	10	26
Anthropology (cultural/social)	61	19	3	16	0	42	52	9
Economics (except agricultural)	16	4	0	4	0	12	6	10
Geography	62	52	1	51	0	10	38	24
History and philosophy of science	8	1	1	0	0	7	5	3
Linguistics	25	16	0	14	2	9	13	12
Political science	60	18	7	8	3	42	36	24
Sociology	37	19	6	7	6	18	26	11
Sociology/anthropology	6	1	0	1	0	5	4	2

TABLE 50. Science, engineering, and health postdoctoral appointees in doctorate-granting institutions, by detailed field, primary source of support, and citizenship: 2006

Field	Postdoctoral appointees	Primary support federal				Primary support nonfederal	Citizenship	
		Total	Fellowships	Research grants	Traineeships		U.S. citizens and permanent residents	Temporary visa holders
Social sciences, nec	80	30	3	21	6	50	46	34
Engineering	4,623	3,022	139	2,838	45	1,601	1,519	3,104
Aerospace engineering	165	117	0	117	0	48	48	117
Agricultural engineering	116	82	0	82	0	34	34	82
Biomedical engineering	591	451	53	373	25	140	230	361
Chemical engineering	722	437	29	404	4	285	203	519
Civil engineering	462	258	9	248	1	204	205	257
Electrical engineering	716	436	18	410	8	280	228	488
Engineering science	224	153	4	149	0	71	82	142
Industrial engineering	51	27	1	26	0	24	17	34
Mechanical engineering	641	439	21	411	7	202	171	470
Metallurgical/materials engineering	571	348	1	347	0	223	180	391
Mining engineering	11	6	0	6	0	5	5	6
Nuclear engineering	85	72	1	71	0	13	27	58
Petroleum engineering	18	9	0	9	0	9	3	15
Engineering, nec	250	187	2	185	0	63	86	164
Health fields	14,444	9,173	1,532	6,280	1,361	5,271	7,024	7,420
Clinical medicine	12,583	8,042	1,377	5,419	1,246	4,541	6,091	6,492
Anesthesiology	335	247	52	176	19	88	110	225
Cardiology	420	252	36	162	54	168	153	267
Endocrinology	287	174	25	101	48	113	117	170
Gastroenterology	247	146	25	90	31	101	115	132
Hematology	243	174	30	119	25	69	92	151
Neurology	1,565	936	77	790	69	629	613	952
Obstetrics/gynecology	334	116	8	97	11	218	220	114
Oncology/cancer research	1,156	766	65	570	131	390	533	623
Ophthalmology	340	174	35	121	18	166	101	239
Otorhinolaryngology	155	77	7	48	22	78	85	70
Pediatrics	937	597	106	409	82	340	480	457
Preventive medicine/community health	275	180	46	105	29	95	167	108
Psychiatry	812	559	57	301	201	253	560	252
Pulmonary disease	136	88	19	46	23	48	79	57
Radiology	837	529	86	392	51	308	434	403
Surgery	1,135	577	73	406	98	558	484	651
Clinical medicine, nec	3,369	2,450	630	1,486	334	919	1,748	1,621
Other health	1,861	1,131	155	861	115	730	933	928
Dental sciences	192	133	33	68	32	59	105	87
Nursing	58	46	16	10	20	12	56	2
Pharmaceutical sciences	710	456	32	421	3	254	204	506
Speech pathology/audiology	52	43	2	37	4	9	32	20
Veterinary sciences	452	178	13	152	13	274	286	166
Other health, nec	397	275	59	173	43	122	250	147

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
-	All institutions	49,201	34,757	30,134	4,623	14,444
1	Harvard U.	4,286	1,617	1,523	94	2,669
2	Stanford U.	1,405	819	694	125	586
3	Johns Hopkins U., The	1,329	526	466	60	803
4	U. CA, San Francisco	1,060	737	737	0	323
5	U. WA	1,044	669	571	98	375
6	Yale U.	978	628	608	20	350
7	MA Institute of Technology	971	801	447	354	170
8	U. CA, Los Angeles	918	616	551	65	302
9	U. CA, Berkeley	894	802	655	147	92
10	U. CA, San Diego	886	614	563	51	272
11	U. CO all campuses	850	775	722	53	75
12	U. PA	817	465	415	50	352
13	Columbia U. in the City of NY	807	558	493	65	249
14	U. Pittsburgh all campuses	782	422	358	64	360
15	Duke U.	771	525	444	81	246
16	U. MI all campuses	758	492	377	115	266
17	U. CA, Davis	701	542	448	94	159
18	U. MN all campuses	687	491	407	84	196
19	Cornell U. all campuses	681	515	433	82	166
20	U. NC Chapel Hill	662	414	410	4	248
21	U. WI Madison	609	457	403	54	152
22	Emory U.	605	340	322	18	265
23	U. FL	601	397	339	58	204
24	Baylor C. of Medicine	585	362	362	0	223
25	U. TX M. D. Anderson Cancer Ctr.	547	240	240	0	307
26	Vanderbilt U.	505	340	317	23	165
27	CA Institute of Technology	493	493	396	97	0
28	U. MA	485	348	328	20	137
29	U. TX Southwestern Medical Ctr. Dallas	482	322	322	0	160
30	U. VA all campuses	473	367	335	32	106
31	PA State U. all campuses	456	451	309	142	5
32	MI State U.	416	388	353	35	28
33	OH State U. all campuses	413	324	284	40	89
34	U. IL Urbana-Champaign	411	403	303	100	8
35	Washington U. St. Louis	411	241	216	25	170
36	Mt. Sinai School of Medicine	387	387	387	0	0
37	U. AZ	384	358	336	22	26
38	IN U. all campuses	370	282	282	0	88
39	Mayo Graduate School	370	97	97	0	273
40	Yeshiva U.	363	252	252	0	111
41	Tufts U.	350	128	108	20	222
42	Rockefeller U.	343	279	279	0	64
43	Princeton U.	340	340	259	81	0
44	U. KY all campuses	338	221	183	38	117
45	U. UT	338	308	276	32	30
46	NC State U.	337	252	198	54	85
47	NY U.	329	280	280	0	49
48	U. IA	328	148	139	9	180

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
49	Purdue U. all campuses	323	256	192	64	67
50	Northwestern U.	318	311	232	79	7
51	U. Chicago	312	205	205	0	107
52	TX A&M U. all campuses	301	290	239	51	11
53	U. CA, Irvine	297	266	238	28	31
54	SUNY Buffalo all campuses	295	262	240	22	33
55	U. Rochester	290	175	162	13	115
56	U. Cincinnati all campuses	276	102	67	35	174
57	U. Southern CA	266	186	155	31	80
58	Boston U.	258	248	212	36	10
59	FL State U.	252	249	220	29	3
60	U. TX Medical Branch	240	133	133	0	107
61	U. IL Chicago	236	139	132	7	97
62	U. Miami	236	93	90	3	143
63	U. CA, Santa Barbara	232	232	152	80	0
64	U. CT all campuses	227	159	138	21	68
65	U. GA	226	206	206	0	20
66	CO State U.	223	205	193	12	18
67	U. CA, Riverside	220	211	190	21	9
68	Medical U. SC	219	126	126	0	93
69	IA State U.	216	207	130	77	9
70	U. KS all campuses	216	184	172	12	32
71	U. TX Austin	216	193	136	57	23
72	LA State U. all campuses	214	191	178	13	23
73	GA Institute of Technology all campuses	208	208	98	110	0
74	VA Commonwealth U.	208	141	123	18	67
75	Dartmouth C.	203	160	118	42	43
76	U. MD College Park	203	199	140	59	4
77	Brown U.	200	180	154	26	20
78	Rutgers, The State U. NJ all campuses	199	164	136	28	35
79	U. South FL	183	91	68	23	92
80	VA Polytechnic Institute and State U.	181	174	124	50	7
81	Georgetown U.	170	66	66	0	104
82	Carnegie Mellon U.	166	166	122	44	0
83	Wayne State U.	165	111	101	10	54
84	Thomas Jefferson U.	162	99	99	0	63
85	U. MO-Columbia	161	144	139	5	17
86	WA State U.	159	135	110	25	24
87	U. AL Birmingham, The	156	119	114	5	37
88	Wake Forest U.	154	81	79	2	73
89	U. Louisville	148	42	29	13	106
90	U. of Notre Dame	144	144	126	18	0
91	Rice U.	140	140	100	40	0
92	U. CA, Santa Cruz	140	140	126	14	0
93	U. TX Health Science Ctr. San Antonio	136	94	94	0	42
94	U. TN Knoxville	134	122	96	26	12
95	U. OK all campuses	123	86	70	16	37
96	U. TX Health Science Ctr. Houston	121	0	0	0	121
97	U. of Medicine and Dentistry NJ	120	91	91	0	29
98	U. MD Baltimore	119	58	58	0	61

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
99	OR Health & Science U.	118	67	67	0	51
100	Medical C. WI	117	72	72	0	45
101	KS State U.	116	115	108	7	1
102	U. DE	115	103	70	33	12
103	Medical C. GA	114	102	102	0	12
104	U. NE Lincoln	113	108	92	16	5
105	MT State U. Bozeman	111	88	81	7	23
106	OR State U.	110	99	92	7	11
107	Case Western Reserve U.	101	70	44	26	31
108	Brandeis U.	100	73	73	0	27
109	U. NM all campuses	99	86	77	9	13
110	SUNY Albany	98	98	91	7	0
111	U. HI Manoa	98	89	83	6	9
112	U. SC all campuses	98	91	64	27	7
113	Rensselaer Polytechnic Institute	95	95	38	57	0
114	AZ State U. main campus	94	88	60	28	6
115	SUNY Stony Brook all campuses	91	60	49	11	31
116	U. AR main campus	91	91	58	33	0
117	U. NV, Reno	91	91	77	14	0
118	TX Tech U.	89	73	67	6	16
119	Woods Hole Oceanographic Institution	88	88	79	9	0
120	U. NE Medical Ctr.	83	50	50	0	33
121	U. OR	80	80	80	0	0
122	U. VT	79	54	51	3	25
123	U. TN Health Science Ctr.	77	77	77	0	0
124	Loyola U. Chicago	76	59	59	0	17
125	MS State U.	76	69	44	25	7
126	Temple U.	76	50	47	3	26
127	Lehigh U.	64	64	38	26	0
128	U. MS all campuses	62	41	41	0	21
129	Northeastern U.	57	57	50	7	0
130	TX A&M U. System Health Science Ctr.	56	56	56	0	0
131	NY Medical C.	55	55	55	0	0
132	St. Louis U. all campuses	54	28	27	1	26
133	GA State U.	53	53	53	0	0
134	Tulane U.	53	53	47	6	0
135	CUNY The City C.	51	51	32	19	0
136	Syracuse U. all campuses	49	49	39	10	0
137	U. WY	49	48	40	8	1
138	U. Akron all campuses	48	48	39	9	0
139	U. TX San Antonio	47	47	42	5	0
140	WV U.	47	45	27	18	2
141	U. AR for Medical Sciences	45	45	45	0	0
142	Albany Medical C.	43	43	43	0	0
143	Clemson U.	43	43	33	10	0
144	U. MD Baltimore County	43	43	39	4	0
145	U. TX Dallas	43	38	24	14	5
146	Boston C.	41	41	41	0	0
147	CUNY Graduate Ctr.	40	40	40	0	0
148	CUNY Hunter C. ^a	40	40	40	0	0

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
149	Clarkson U.	39	39	15	24	0
150	U. Central FL	39	39	16	23	0
151	U. ID	39	39	39	0	0
152	U. MO-Kansas City	38	35	35	0	3
153	Rosalind Franklin U. of Medicine and Science ^a	36	32	32	0	4
154	U. WI Milwaukee	36	32	24	8	4
155	C. of William and Mary all campuses	35	35	31	4	0
156	OK State U. all campuses	35	30	25	5	5
157	U. North TX Health Science Ctr. Ft. Worth	35	0	0	0	35
158	U. Southern MS	35	35	35	0	0
159	U. TX Arlington	34	34	28	6	0
160	Stevens Institute of Technology	33	33	10	23	0
161	Auburn U. all campuses	32	28	19	9	4
162	U. NH	32	32	29	3	0
163	Wright State U. all campuses	31	31	22	9	0
164	Kent State U. all campuses	30	29	29	0	1
165	ND State U. all campuses	29	25	24	1	4
166	U. Houston	29	29	25	4	0
167	U. Memphis, The	29	28	22	6	1
168	UT State U.	29	29	16	13	0
169	U. RI	28	26	24	2	2
170	FL International U.	27	27	27	0	0
171	Old Dominion U.	27	27	21	6	0
172	Southern IL U. Carbondale	27	26	23	3	1
173	SUNY Upstate Medical U.	27	26	26	0	1
174	Worcester Polytechnic Institute	27	27	11	16	0
175	U. AL, The	26	26	19	7	0
176	U. South AL	26	25	17	8	1
177	Tuskegee U.	24	7	3	4	17
178	U. MT-Missoula, The	24	24	24	0	0
179	Polytechnic U.	23	23	17	6	0
180	Creighton U.	22	21	21	0	1
181	Rush U.	22	17	17	0	5
182	U. North TX	22	22	22	0	0
183	East Carolina U.	21	21	21	0	0
184	Jackson State U.	21	21	21	0	0
185	OH U. all campuses	21	20	17	3	1
186	Baylor U.	20	20	20	0	0
187	Bowling Green State U. all campuses	20	20	20	0	0
188	Miami U. all campuses	20	20	20	0	0
189	MI Technological U.	20	20	15	5	0
190	CO School of Mines	19	19	16	3	0
191	George Washington U.	19	19	19	0	0
192	Howard U.	19	16	14	2	3
193	Marquette U.	19	18	14	4	1
194	Southern Methodist U.	19	19	19	0	0
195	Loma Linda U.	17	9	9	0	8
196	Northern AZ U.	17	17	17	0	0
197	San Diego State U.	17	9	8	1	8
198	NC Agricultural and Technical State U.	15	15	6	9	0
199	Uniformed Services U. of the Health Sciences	15	12	12	0	3

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
200	U. LA Lafayette	15	15	10	5	0
201	LA Tech U.	14	14	0	14	0
202	Northern IL U.	14	14	14	0	0
203	U. PR Rio Piedras Campus	14	14	14	0	0
204	Marshall U.	12	12	12	0	0
205	Oakland U.	12	12	8	4	0
206	OGI School of Science & Engineering at OR Health & Science U.	12	12	11	1	0
207	Southern U. and A&M C. all campuses	12	12	12	0	0
208	Clark Atlanta U. ^a	11	11	11	0	0
209	CUNY Queens C.	11	11	11	0	0
210	U. SD	11	11	11	0	0
211	U. TX El Paso	11	11	11	0	0
212	Wesleyan U.	11	11	11	0	0
213	Wichita State U.	11	11	6	5	0
214	AL A&M U.	10	10	10	0	0
215	U. NV, Las Vegas	10	10	10	0	0
216	U. ND all campuses	10	10	6	4	0
217	East TN State U.	9	9	9	0	0
218	Baylor C. of Dentistry	8	8	8	0	0
219	Nova Southeastern U.	8	8	8	0	0
220	Pittsburg State U.	8	8	0	8	0
221	U. Dayton	8	8	4	4	0
222	Clark U.	7	7	7	0	0
223	Duquesne U.	7	6	6	0	1
224	Eastern VA Medical School	7	7	7	0	0
225	FL Atlantic U.	7	7	7	0	0
226	Fordham U.	7	7	7	0	0
227	GA Southern U.	7	7	7	0	0
228	Ponce School of Medicine	7	7	7	0	0
229	Rochester Institute of Technology	7	7	5	2	0
230	SD State U.	7	4	4	0	3
231	U. Denver	7	7	6	1	0
232	U. MO-St. Louis	7	7	7	0	0
233	FL Institute of Technology	6	6	6	0	0
234	IL State U.	6	6	6	0	0
235	Meharry Medical C.	6	4	4	0	2
236	Mercer U. all campuses	6	3	3	0	3
237	NM Institute of Mining and Technology	6	6	4	2	0
238	DE State U.	5	5	5	0	0
239	ID State U.	5	5	5	0	0
240	CA State U. Long Beach	4	4	4	0	0
241	Cleveland State U.	4	4	3	1	0
242	SUNY C. of Environmental Science and Forestry	4	4	3	1	0
243	SUNY C. of Optometry	4	0	0	0	4
244	U. AL Huntsville, The	4	4	0	4	0
245	U. Tulsa	4	4	2	2	0
246	Alfred U. all campuses ^a	3	3	0	3	0
247	IN State U. all campuses	3	3	3	0	0
248	TX A&M U. Commerce	3	3	3	0	0
249	U. AR Little Rock	3	3	3	0	0

TABLE 51. Postdoctoral appointees in doctorate-granting institutions, by area of study, institutions ranked by number of appointees: 2006

Rank	Institution	All appointees	Science and engineering			Health fields
			Total	Science	Engineering	
250	U. LA Monroe	3	0	0	0	3
251	Central MI U.	2	2	2	0	0
252	Lamar U.	2	2	0	2	0
253	TN State U.	2	2	1	1	0
254	TX Woman's U.	2	1	1	0	1
255	DePaul U.	1	1	1	0	0
256	Prairie View A&M U.	1	1	1	0	0
257	SD School of Mines and Technology	1	1	1	0	0
258	U. MD Eastern Shore	1	1	1	0	0

^a Institution did not respond to the 2006 survey; all 2006 data are imputed.

NOTE: Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 52. Nonfaculty research staff with doctorates in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
All surveyed fields	7,569	7,874	7,521	7,903 r	8,471 r	9,062 r	9,520 r	10,628
Science and engineering	5,697	5,822	5,498	5,919 r	6,443 r	6,910 r	7,008 r	7,619
Science	4,757	4,926	4,697	5,016 r	5,491 r	5,867 r	6,062 r	6,532
Agricultural sciences	167	219	229	275	254	301	287	305
Biological sciences	2,331	2,244	2,323	2,550	2,859	2,972	2,992	3,333
Anatomy	81	89	94	107	82	70	76	114
Biochemistry	364	351	392	414	480	488	519	507
Biology	237	248	246	310	358	351	332	483
Biometry/epidemiology	40	55	68	94	117	129	133	141
Biophysics	37	17	34	32	51	26	33	67
Botany	79	51	70	68	93	89	79	76
Cell biology	251	175	240	282	323	328	297	219
Ecology	19	11	13	19	24	22	15	24
Entomology/parasitology	60	45	32	29	32	34	32	47
Genetics	86	84	92	109	110	118	138	172
Microbiology/immunology/virology	265	255	242	292	346	311	298	319
Nutrition	59	45	60	52	36	85	69	70
Pathology	149	199	219	246	215	219	270	289
Pharmacology	329	307	232	186	225	275	325	334
Physiology	182	179	189	181	180	256	196	235
Zoology	25	21	24	28	29	11	23	33
Biological sciences, nec	68	112	76	101	158	160	157	203
Computer sciences	133	153	148	123	127	170	152	180
Earth, atmospheric, and ocean sciences	436	486	477	606 r	602 r	586 r	582 r	628
Atmospheric sciences	41	36	49	141 r	161 r	173 r	201 r	204
Geosciences	175	217	189	226 r	223 r	209 r	192 r	243
Oceanography	169	204	208	200	163	146	142	103
Earth/atmospheric/ocean sciences, nec	51	29	31	39	55	58	47	78
Mathematical sciences	122	80	54	36	47	69	64	84
Mathematics/applied mathematics	112	70	46	24	35	64	57	75
Statistics	10	10	8	12	12	5	7	9
Physical sciences	1,155	1,269	1,073	1,087	1,244	1,366	1,572	1,548
Astronomy	142	167	163	126	144	213	161	190
Chemistry	495	555	473	514	572	593	779	751
Physics	499	519	407	423	487	535	603	566
Physical sciences, nec	19	28	30	24	41	25	29	41
Psychology	249	324	254	210	240	249	256	245
Clinical psychology	26	35	25	39	42	39	9	16
Psychology, general	130	171	129	76	88	95	122	113
Psychology, nec	93	118	100	95	110	115	125	116
Social sciences	164	151	139	129 r	118 r	154 r	157 r	209
Agricultural economics	34	23	18	13	13	10	13	15
Anthropology (cultural/social)	18	24	25	21 r	30 r	15 r	17 r	29
Economics (except agricultural)	7	3	5	2	4	4	2	6
Geography	16	13	14	10	7	14	18	11
History and philosophy of science	1	6	3	10	2	16	5	8
Linguistics	7	6	6	4	3	2	7	9
Political science	9	16	11	21	14	19	10	36
Sociology	29	25	15	12	15	18	21	25
Sociology/anthropology	4	3	1	1	0	0	3	0
Social sciences, nec	39	32	41	35	30	56	61	70
Engineering	940	896	801	903 r	952 r	1,043 r	946 r	1,087

TABLE 52. Nonfaculty research staff with doctorates in science, engineering, and health fields in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Aerospace engineering	87	39	15	17	30	60	54	66
Agricultural engineering	28	24	27	29	25	28	22	33
Biomedical engineering	58	42	36	43	49	67	58	65
Chemical engineering	141	110	95	87	96	92	66	133
Civil engineering	81	131	98	118	98	111	113	132
Electrical engineering	169	145	118	131	172	175	178	148
Engineering science	60	60	62	76	78	69	61	72
Industrial engineering	5	7	12	22	11	26	24	38
Mechanical engineering	127	176	133	121	125	175	165	165
Metallurgical/materials engineering	115	109	103	107	146	174	127	142
Mining engineering	2	0	4	2	3	5	1	2
Nuclear engineering	11	13	4	47	15	11	3	3
Petroleum engineering	10	10	2	14 r	4 r	9 r	23 r	24
Engineering, nec	46	30	92	89	100	41	51	64
Health fields	1,872	2,052	2,023	1,984	2,028	2,152 r	2,512	3,009
Clinical medicine	1,604	1,756	1,703	1,665	1,674	1,837	2,128	2,647
Anesthesiology	38	47	44	37	23	45	54	49
Cardiology	33	40	37	29	43	57	66	100
Endocrinology	15	36	24	35	21	20	28	49
Gastroenterology	14	29	21	46	55	56	61	66
Hematology	26	18	33	45	44	44	66	100
Neurology	207	168	191	164	146	133	192	172
Obstetrics/gynecology	38	22	17	11	22	19	58	44
Oncology/cancer research	73	94	101	103	106	209	254	234
Ophthalmology	32	53	39	54	44	39	72	118
Otorhinolaryngology	3	4	6	11	8	17	20	16
Pediatrics	114	101	116	115	139	153	202	442
Preventive medicine/community health	115	149	115	121	148	144	121	120
Psychiatry	62	75	70	86	128	135	125	133
Pulmonary disease	33	39	34	31	19	23	24	65
Radiology	55	98	88	99	98	115	139	177
Surgery	185	183	233	203	210	201	243	375
Clinical medicine, nec	561	600	534	475	420	427	403	387
Other health	268	296	320	319	354	315 r	384	362
Dental sciences	37	28	10	11	10	14	54	40
Nursing	2	13	12	21	20	32	28	38
Pharmaceutical sciences	114	129	146	160	155	120 r	129	87
Speech pathology/audiology	13	4	12	9	14	15	13	20
Veterinary sciences	72	81	100	82	98	58	82	96
Other health, nec	30	41	40	36	57	76	78	81

nec = not elsewhere classified. r = data significantly revised; replaces previously published data.

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

TABLE 53. Graduate students in science, engineering, and health fields in historically black colleges and universities, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
All surveyed fields	7,313	17	394	5,283	119	787	53	660
Science and engineering	5,559	13	234	4,103	51	519	48	591
Science	4,780	13	183	3,669	43	416	42	414
Agricultural sciences	331	1	11	218	4	48	5	44
Biological sciences	625	1	22	493	7	30	13	59
Anatomy	11	0	1	7	2	0	0	1
Biochemistry	10	0	0	4	0	0	3	3
Biology	330	0	14	273	3	14	6	20
Biometry/epidemiology	0	0	0	0	0	0	0	0
Biophysics	0	0	0	0	0	0	0	0
Botany	0	0	0	0	0	0	0	0
Cell biology	16	0	0	16	0	0	0	0
Ecology	0	0	0	0	0	0	0	0
Entomology/parasitology	4	0	0	0	0	0	0	4
Genetics	28	0	1	22	0	3	0	2
Microbiology/immunology/virology	37	0	0	37	0	0	0	0
Nutrition	109	1	2	68	1	10	4	23
Pathology	0	0	0	0	0	0	0	0
Pharmacology	7	0	0	7	0	0	0	0
Physiology	12	0	1	9	1	1	0	0
Zoology	0	0	0	0	0	0	0	0
Biological sciences, nec	61	0	3	50	0	2	0	6
Computer sciences	350	0	62	181	2	18	3	84
Earth, atmospheric, and ocean sciences	95	0	6	64	8	12	0	5
Atmospheric sciences	20	0	0	11	6	0	0	3
Geosciences	0	0	0	0	0	0	0	0
Oceanography	0	0	0	0	0	0	0	0
Earth/atmospheric/ocean sciences, nec	75	0	6	53	2	12	0	2
Mathematical sciences	197	3	8	135	3	32	4	12
Mathematics/applied mathematics	197	3	8	135	3	32	4	12
Statistics	0	0	0	0	0	0	0	0
Physical sciences	373	3	25	249	4	31	3	58
Astronomy	0	0	0	0	0	0	0	0
Chemistry	207	2	8	154	0	2	2	39
Physics	166	1	17	95	4	29	1	19
Physical sciences, nec	0	0	0	0	0	0	0	0
Psychology	904	2	14	745	5	113	4	21
Clinical psychology	0	0	0	0	0	0	0	0
Psychology, general	491	1	13	364	4	85	4	20
Psychology, nec	413	1	1	381	1	28	0	1
Social sciences	1,905	3	35	1,584	10	132	10	131
Agricultural economics	13	0	0	12	0	1	0	0
Anthropology (cultural/social)	0	0	0	0	0	0	0	0
Economics (except agricultural)	56	0	0	13	0	1	0	42
Geography	0	0	0	0	0	0	0	0
History and philosophy of science	5	0	0	0	0	5	0	0
Linguistics	0	0	0	0	0	0	0	0
Political science	956	2	29	835	1	39	8	42
Sociology	168	0	0	158	1	7	1	1
Sociology/anthropology	71	0	1	49	0	1	0	20
Social sciences, nec	636	1	5	517	8	78	1	26

TABLE 53. Graduate students in science, engineering, and health fields in historically black colleges and universities, by detailed field, citizenship, and race/ethnicity of U.S. citizens and permanent residents: 2006

Field	Total	U.S. citizens and permanent residents						Temporary visa holders
		American Indian/ Alaska Native	Asian/Pacific Islander	Black, non- Hispanic	Hispanic	White, non- Hispanic	Other or unknown	
Engineering	779	0	51	434	8	103	6	177
Aerospace engineering	0	0	0	0	0	0	0	0
Agricultural engineering	0	0	0	0	0	0	0	0
Biomedical engineering	1	0	0	1	0	0	0	0
Chemical engineering	20	0	6	7	0	1	0	6
Civil engineering	160	0	3	70	2	51	1	33
Electrical engineering	163	0	4	70	1	17	3	68
Engineering science	0	0	0	0	0	0	0	0
Industrial engineering	66	0	2	54	3	5	0	2
Mechanical engineering	102	0	18	58	1	5	0	20
Metallurgical/materials engineering	17	0	2	15	0	0	0	0
Mining engineering	0	0	0	0	0	0	0	0
Nuclear engineering	0	0	0	0	0	0	0	0
Petroleum engineering	0	0	0	0	0	0	0	0
Engineering, nec	250	0	16	159	1	24	2	48
Health fields	1,754	4	160	1,180	68	268	5	69
Clinical medicine	120	1	2	108	1	6	0	2
Anesthesiology	0	0	0	0	0	0	0	0
Cardiology	0	0	0	0	0	0	0	0
Endocrinology	0	0	0	0	0	0	0	0
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	0	0	0	0	0
Neurology	10	0	0	10	0	0	0	0
Obstetrics/gynecology	0	0	0	0	0	0	0	0
Oncology/cancer research	0	0	0	0	0	0	0	0
Ophthalmology	0	0	0	0	0	0	0	0
Otorhinolaryngology	0	0	0	0	0	0	0	0
Pediatrics	0	0	0	0	0	0	0	0
Preventive medicine/community health	77	0	1	68	1	5	0	2
Psychiatry	0	0	0	0	0	0	0	0
Pulmonary disease	0	0	0	0	0	0	0	0
Radiology	0	0	0	0	0	0	0	0
Surgery	0	0	0	0	0	0	0	0
Clinical medicine, nec	33	1	1	30	0	1	0	0
Other health	1,634	3	158	1,072	67	262	5	67
Dental sciences	0	0	0	0	0	0	0	0
Nursing	332	0	7	234	5	83	1	2
Pharmaceutical sciences	588	0	131	327	42	37	0	51
Speech pathology/audiology	193	2	7	108	11	62	3	0
Veterinary sciences	22	0	0	19	0	0	0	3
Other health, nec	499	1	13	384	9	80	1	11

nec = not elsewhere classified.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE 54. Black, non-Hispanic U.S. citizen or permanent resident graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Black students in all institutions	25,200	25,928	27,071	28,715	31,242	32,496	33,547	34,866
Science and engineering	20,273	20,834	21,455	22,668	24,174	24,624	25,248	25,664
Science	17,308	17,857	18,540	19,594	20,962	21,225	21,778	22,092
Agricultural sciences	310	292	327	375	460	394	417	453
Biological sciences	2,218	2,241	2,351	2,479	2,757	2,902	2,991	3,071
Computer sciences	1,485	1,512	1,709	1,898	1,951	1,799	1,761	1,774
Earth, atmospheric, and ocean sciences	213	220	227	266	270	261	262	263
Mathematical sciences	594	572	590	626	655	696	720	711
Physical sciences	903	918	875	893	939	993	1,006	1,009
Psychology	3,749	4,214	4,343	4,487	4,692	4,990	5,238	5,089
Social sciences	7,836	7,888	8,118	8,570	9,238	9,190	9,383	9,722
Engineering	2,965	2,977	2,915	3,074	3,212	3,399	3,470	3,572
Health fields	4,927	5,094	5,616	6,047	7,068	7,872	8,299	9,202
Black students in HBCUs	3,746	4,134	4,303	4,429	5,129	5,071	5,337	5,283
Science and engineering	3,233	3,563	3,519	3,623	4,000	4,076	4,217	4,103
Science	2,939	3,219	3,217	3,285	3,672	3,688	3,823	3,669
Agricultural sciences	181	135	172	178	260	170	185	218
Biological sciences	546	518	540	525	573	568	539	493
Computer sciences	216	161	202	286	283	208	193	181
Earth, atmospheric, and ocean sciences	36	57	60	63	51	57	57	64
Mathematical sciences	129	120	121	120	105	100	125	135
Physical sciences	179	186	170	173	167	205	226	249
Psychology	451	705	747	761	891	882	912	745
Social sciences	1,201	1,337	1,205	1,179	1,342	1,498	1,586	1,584
Engineering	294	344	302	338	328	388	394	434
Health fields	513	571	784	806	1,129	995	1,120	1,180
Percentage of black students in HBCUs	14.9	15.9	15.9	15.4	16.4	15.6	15.9	15.2
Science and engineering	15.9	17.1	16.4	16.0	16.5	16.6	16.7	16.0
Science	17.0	18.0	17.4	16.8	17.5	17.4	17.6	16.6
Agricultural sciences	58.4	46.2	52.6	47.5	56.5	43.1	44.4	48.1
Biological sciences	24.6	23.1	23.0	21.2	20.8	19.6	18.0	16.1
Computer sciences	14.5	10.6	11.8	15.1	14.5	11.6	11.0	10.2
Earth, atmospheric, and ocean sciences	16.9	25.9	26.4	23.7	18.9	21.8	21.8	24.3
Mathematical sciences	21.7	21.0	20.5	19.2	16.0	14.4	17.4	19.0
Physical sciences	19.8	20.3	19.4	19.4	17.8	20.6	22.5	24.7
Psychology	12.0	16.7	17.2	17.0	19.0	17.7	17.4	14.6
Social sciences	15.3	16.9	14.8	13.8	14.5	16.3	16.9	16.3
Engineering	9.9	11.6	10.4	11.0	10.2	11.4	11.4	12.2
Health fields	10.4	11.2	14.0	13.3	16.0	12.6	13.5	12.8

HBCUs = historically black colleges and universities.

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

TABLE 55. Black, non-Hispanic U.S. citizen or permanent resident graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field and sex: 2001–06

Field	Male						Female					
	2001	2002	2003	2004	2005	2006	2001	2002	2003	2004	2005	2006
Black students in all institutions	9,435	10,021	10,758	11,157	11,118	11,450	17,636	18,694	20,484	21,339	22,429	23,416
Science and engineering	8,382	8,908	9,456	9,777	9,625	9,780	13,073	13,760	14,718	14,847	15,623	15,884
Science	6,448	6,896	7,285	7,507	7,255	7,337	12,092	12,698	13,677	13,718	14,523	14,755
Agricultural sciences	126	162	194	153	172	152	201	213	266	241	245	301
Biological sciences	792	812	858	869	928	948	1,559	1,667	1,899	2,033	2,063	2,123
Computer sciences	943	1,063	1,128	1,091	1,047	1,052	766	835	823	708	714	722
Earth, atmospheric, and ocean sciences	125	135	130	120	110	118	102	131	140	141	152	145
Mathematical sciences	320	340	373	364	369	364	270	286	282	332	351	347
Physical sciences	462	486	508	540	524	503	413	407	431	453	482	506
Psychology	867	945	934	1,238	947	925	3,476	3,542	3,758	3,752	4,291	4,164
Social sciences	2,813	2,953	3,160	3,132	3,158	3,275	5,305	5,617	6,078	6,058	6,225	6,447
Engineering	1,934	2,012	2,171	2,270	2,370	2,443	981	1,062	1,041	1,129	1,100	1,129
Health fields	1,053	1,113	1,302	1,380	1,493	1,670	4,563	4,934	5,766	6,492	6,806	7,532
Black students in HBCUs	1,424	1,498	1,692	1,637	1,777	1,830	2,879	2,931	3,437	3,434	3,560	3,453
Science and engineering	1,234	1,309	1,412	1,430	1,504	1,539	2,285	2,314	2,588	2,646	2,713	2,564
Science	1,050	1,112	1,202	1,194	1,230	1,240	2,167	2,173	2,470	2,494	2,593	2,429
Agricultural sciences	58	71	115	68	76	61	114	107	145	102	109	157
Biological sciences	150	146	166	170	173	155	390	379	407	398	366	338
Computer sciences	99	152	144	126	111	107	103	134	139	82	82	74
Earth, atmospheric, and ocean sciences	35	32	27	30	27	29	25	31	24	27	30	35
Mathematical sciences	63	56	62	55	60	63	58	64	43	45	65	72
Physical sciences	91	89	92	107	116	133	79	84	75	98	110	116
Psychology	137	158	146	142	142	132	610	603	745	740	770	613
Social sciences	417	408	450	496	525	560	788	771	892	1,002	1,061	1,024
Engineering	184	197	210	236	274	299	118	141	118	152	120	135
Health fields	190	189	280	207	273	291	594	617	849	788	847	889
Percentage of black students in HBCUs	15.1	14.9	15.7	14.7	16.0	16.0	16.3	15.7	16.8	16.1	15.9	14.7
Science and engineering	14.7	14.7	14.9	14.6	15.6	15.7	17.5	16.8	17.6	17.8	17.4	16.1
Science	16.3	16.1	16.5	15.9	17.0	16.9	17.9	17.1	18.1	18.2	17.9	16.5
Agricultural sciences	46.0	43.8	59.3	44.4	44.2	40.1	56.7	50.2	54.5	42.3	44.5	52.2
Biological sciences	18.9	18.0	19.3	19.6	18.6	16.4	25.0	22.7	21.4	19.6	17.7	15.9
Computer sciences	10.5	14.3	12.8	11.5	10.6	10.2	13.4	16.0	16.9	11.6	11.5	10.2
Earth, atmospheric, and ocean sciences	28.0	23.7	20.8	25.0	24.5	24.6	24.5	23.7	17.1	19.1	19.7	24.1
Mathematical sciences	19.7	16.5	16.6	15.1	16.3	17.3	21.5	22.4	15.2	13.6	18.5	20.7
Physical sciences	19.7	18.3	18.1	19.8	22.1	26.4	19.1	20.6	17.4	21.6	22.8	22.9
Psychology	15.8	16.7	15.6	11.5	15.0	14.3	17.5	17.0	19.8	19.7	17.9	14.7
Social sciences	14.8	13.8	14.2	15.8	16.6	17.1	14.9	13.7	14.7	16.5	17.0	15.9
Engineering	9.5	9.8	9.7	10.4	11.6	12.2	12.0	13.3	11.3	13.5	10.9	12.0
Health fields	18.0	17.0	21.5	15.0	18.3	17.4	13.0	12.5	14.7	12.1	12.4	11.8

HBCUs = historically black colleges and universities.

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

TABLE 56. Black, non-Hispanic U.S. citizen or permanent resident full-time graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005	2006
Black students in all institutions	13,963	15,014	15,307	16,346	17,678	18,500	18,740	19,936
Science and engineering	11,211	12,079	12,057	12,830	13,522	14,022	14,186	14,858
Science	9,605	10,365	10,401	11,025	11,687	12,062	12,217	12,718
Agricultural sciences	218	244	267	289	346	298	310	307
Biological sciences	1,687	1,718	1,817	1,941	2,097	2,241	2,318	2,418
Computer sciences	537	608	655	800	800	788	764	738
Earth, atmospheric, and ocean sciences	137	159	140	193	195	194	170	186
Mathematical sciences	342	349	359	369	382	392	414	420
Physical sciences	700	691	683	697	736	802	784	785
Psychology	2,200	2,574	2,515	2,484	2,571	2,761	2,856	2,986
Social sciences	3,784	4,022	3,965	4,252	4,560	4,586	4,601	4,878
Engineering	1,606	1,714	1,656	1,805	1,835	1,960	1,969	2,140
Health fields	2,752	2,935	3,250	3,516	4,156	4,478	4,554	5,078
Black students in HBCUs	2,288	2,682	2,634	2,779	3,152	3,263	3,287	3,416
Science and engineering	1,917	2,270	2,067	2,167	2,268	2,493	2,502	2,558
Science	1,697	1,990	1,854	1,888	2,015	2,215	2,223	2,204
Agricultural sciences	120	114	133	141	194	139	143	135
Biological sciences	420	416	414	387	427	431	390	365
Computer sciences	109	110	125	165	152	114	124	124
Earth, atmospheric, and ocean sciences	13	36	25	36	34	38	34	40
Mathematical sciences	80	75	78	70	63	61	72	85
Physical sciences	145	139	129	130	116	174	172	184
Psychology	194	282	300	293	308	376	401	365
Social sciences	616	818	650	666	721	882	887	906
Engineering	220	280	213	279	253	278	279	354
Health fields	371	412	567	612	884	770	785	858
Percentage of black students in HBCUs	16.4	17.9	17.2	17.0	17.8	17.6	17.5	17.1
Science and engineering	17.1	18.8	17.1	16.9	16.8	17.8	17.6	17.2
Science	17.7	19.2	17.8	17.1	17.2	18.4	18.2	17.3
Agricultural sciences	55.0	46.7	49.8	48.8	56.1	46.6	46.1	44.0
Biological sciences	24.9	24.2	22.8	19.9	20.4	19.2	16.8	15.1
Computer sciences	20.3	18.1	19.1	20.6	19.0	14.5	16.2	16.8
Earth, atmospheric, and ocean sciences	9.5	22.6	17.9	18.7	17.4	19.6	20.0	21.5
Mathematical sciences	23.4	21.5	21.7	19.0	16.5	15.6	17.4	20.2
Physical sciences	20.7	20.1	18.9	18.7	15.8	21.7	21.9	23.4
Psychology	8.8	11.0	11.9	11.8	12.0	13.6	14.0	12.2
Social sciences	16.3	20.3	16.4	15.7	15.8	19.2	19.3	18.6
Engineering	13.7	16.3	12.9	15.5	13.8	14.2	14.2	16.5
Health fields	13.5	14.0	17.4	17.4	21.3	17.2	17.2	16.9

HBCUs = historically black colleges and universities.

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

TABLE 57. Black, non-Hispanic U.S. citizen or permanent resident full-time graduate students in science, engineering, and health fields in all institutions and in historically black colleges and universities, by field and sex: 2001–06

Field	Male						Female					
	2001	2002	2003	2004	2005	2006	2001	2002	2003	2004	2005	2006
Black students in all institutions	5,356	5,785	6,132	6,347	6,399	6,768	9,951	10,561	11,546	12,153	12,341	13,168
Science and engineering	4,679	5,093	5,314	5,458	5,503	5,727	7,378	7,737	8,208	8,564	8,683	9,131
Science	3,631	3,955	4,118	4,189	4,196	4,283	6,770	7,070	7,569	7,873	8,021	8,435
Agricultural sciences	101	124	147	115	127	108	166	165	199	183	183	199
Biological sciences	613	656	669	681	710	755	1,204	1,285	1,428	1,560	1,608	1,663
Computer sciences	376	457	477	511	468	459	279	343	323	277	296	279
Earth, atmospheric, and ocean sciences	76	93	89	90	70	77	64	100	106	104	100	109
Mathematical sciences	198	205	209	202	224	210	161	164	173	190	190	210
Physical sciences	364	392	399	442	414	402	319	305	337	360	370	383
Psychology	525	525	528	554	548	576	1,990	1,959	2,043	2,207	2,308	2,410
Social sciences	1,378	1,503	1,600	1,594	1,635	1,696	2,587	2,749	2,960	2,992	2,966	3,182
Engineering	1,048	1,138	1,196	1,269	1,307	1,444	608	667	639	691	662	696
Health fields	677	692	818	889	896	1,041	2,573	2,824	3,338	3,589	3,658	4,037
Black students in HBCUs	909	979	1,097	1,081	1,123	1,241	1,725	1,800	2,055	2,182	2,164	2,175
Science and engineering	760	836	883	933	953	1,044	1,307	1,331	1,385	1,560	1,549	1,514
Science	629	670	719	763	764	802	1,225	1,218	1,296	1,452	1,459	1,402
Agricultural sciences	45	56	86	54	58	43	88	85	108	85	85	92
Biological sciences	119	112	132	136	122	117	295	275	295	295	268	248
Computer sciences	61	88	86	76	72	78	64	77	66	38	52	46
Earth, atmospheric, and ocean sciences	17	18	18	22	18	20	8	18	16	16	16	20
Mathematical sciences	40	35	41	31	37	37	38	35	22	30	35	48
Physical sciences	70	71	64	87	94	105	59	59	52	87	78	79
Psychology	61	57	43	54	71	81	239	236	265	322	330	284
Social sciences	216	233	249	303	292	321	434	433	472	579	595	585
Engineering	131	166	164	170	189	242	82	113	89	108	90	112
Health fields	149	143	214	148	170	197	418	469	670	622	615	661
Percentage of black students in HBCUs	17.0	16.9	17.9	17.0	17.5	18.3	17.3	17.0	17.8	18.0	17.5	16.5
Science and engineering	16.2	16.4	16.6	17.1	17.3	18.2	17.7	17.2	16.9	18.2	17.8	16.6
Science	17.3	16.9	17.5	18.2	18.2	18.7	18.1	17.2	17.1	18.4	18.2	16.6
Agricultural sciences	44.6	45.2	58.5	47.0	45.7	39.8	53.0	51.5	54.3	46.4	46.4	46.2
Biological sciences	19.4	17.1	19.7	20.0	17.2	15.5	24.5	21.4	20.7	18.9	16.7	14.9
Computer sciences	16.2	19.3	18.0	14.9	15.4	17.0	22.9	22.4	20.4	13.7	17.6	16.5
Earth, atmospheric, and ocean sciences	22.4	19.4	20.2	24.4	25.7	26.0	12.5	18.0	15.1	15.4	16.0	18.3
Mathematical sciences	20.2	17.1	19.6	15.3	16.5	17.6	23.6	21.3	12.7	15.8	18.4	22.9
Physical sciences	19.2	18.1	16.0	19.7	22.7	26.1	18.5	19.3	15.4	24.2	21.1	20.6
Psychology	11.6	10.9	8.1	9.7	13.0	14.1	12.0	12.0	13.0	14.6	14.3	11.8
Social sciences	15.7	15.5	15.6	19.0	17.9	18.9	16.8	15.8	15.9	19.4	20.1	18.4
Engineering	12.5	14.6	13.7	13.4	14.5	16.8	13.5	16.9	13.9	15.6	13.6	16.1
Health fields	22.0	20.7	26.2	16.6	19.0	18.9	16.2	16.6	20.1	17.3	16.8	16.4

HBCUs = historically black colleges and universities.

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

Appendix A. Technical Notes

Survey Universe

The data collected in the 2006 Survey of Graduate Students and Postdoctorates in Science and Engineering represent national estimates of graduate enrollment and postdoctoral employment as of fall 2006 in all U.S. academic institutions that granted master's degrees or research doctorates in any science, engineering, or selected health field.[1] The survey collects data for all branch campuses, affiliated research centers, and separately organized components, such as graduate or medical schools. The survey universe consisted of 707 reporting units at 586 graduate institutions: 495 reporting units at 374 doctorate-granting institutions and 212 reporting units at 212 master's-granting institutions.[2]

Data on graduate science and engineering (S&E) enrollment and postdoctoral appointees have been collected annually since 1966. However, data from 1966 to 1974 are not directly comparable with data from 1975 to 2006 due to changes in both the S&E fields and the types of institutions covered in the survey. From fall 1966 through fall 1971, the National Science Foundation (NSF) Graduate Traineeship Program collected data from a limited number of doctorate-granting institutions and requested data only on S&E fields supported by NSF. The NSF Universities and Nonprofit Institutions Studies Group began collecting these data with the fall 1972 survey. Between 1972 and 1974, eligibility definitions were changed to include selected health fields and to increase the number of S&E fields surveyed; the survey was also broadened to include all institutions known to have programs leading to a doctorate or master's degree in science and engineering.

Table A-1 shows the number of institutions, reporting units, and departments by degree level covered by the GSS, as well as the estimated total enrollment for each year between 1966 and 2006.

- Data for 1966–71 reflect totals for the NSF Graduate Traineeship program only and are not comparable with data from 1972 through 2006.
- Data for 1972–74 reflect changes in eligibility definitions, which affected both S&E fields and types of institutions surveyed. These data are not comparable to data collected before 1972 or after 1974.
- Data for 1984–87 from master's-granting institutions were collected on a sample basis. Enrollment data for this period have been adjusted to account for the sampling and reflect estimated universe totals.
- Data for 1975–2006 are intended to represent consistent coverage of science, engineering, and selected health fields. In 1989 NSF revised the coverage of S&E fields in the survey. This resulted in the exclusion of some fields, and the data for 1975–88 subsequently were revised to reflect this change. Since 1988 the survey has attempted to cover all institutions with master's or doctoral programs in science, engineering, or selected health fields and has excluded institutions that do not have any such graduate programs.

Tables A-2 and A-3 present data on departmental coverage by S&E and health-related fields for doctorate- and master's-granting institutions for the years 1999–2006.

Survey Instruments

The GSS survey instruments (paper and Web versions) consist of NSF Form 811 and NSF Form 812. Form 811 is a list of departments, programs, research centers, or health-care facilities specific to each institution in the survey. Form 812 is a series of questions that obtains counts of students and data on key characteristics of interest, such as race/ethnicity, sex, citizenship, and source of funding.

There were no significant changes to the content of the 2006 survey from previous survey years. However, a number of changes were made to the format of the survey instruments. These changes include the following:

- Reformatting the paper questionnaire so that instructions were close to the questionnaire items
- Including a detailed glossary of terms used in the GSS for both the paper and the Web-based versions of the survey
- Modifying the Web survey to make it easier to submit data via the file upload function
- Reformatting the school coordinator materials into a single package

The GSS forms are sent to the school coordinator. In that package are two sets of materials: one for the school coordinator's completion and another that may be completed by the school coordinator or delegated to departmental respondents for completion.

The school coordinator package consists of a booklet that incorporates the following:

- A cover letter to the school coordinator
- The ID and password for the school coordinator to use in responding to the survey through the Web-based data collection system
- Instructions to the school coordinator on how to update the school's prior year's list of departments, programs, research centers and health-care facilities (Form 811) and administer the survey (Form 812)
- A question on how the data provided by the institution were derived (e.g., from a computerized central records system, automated systems relying on departmental input, a hand-tabulation at the institutional level, a hand-tabulation at the departmental level, or a combination of the above sources)

In addition, the school-coordinator package contains a crosswalk showing representative National Center for Education Statistics Classification of Instructional Program (CIP) codes corresponding to each science, engineering, and selected health field as defined by NSF.

The departmental respondent package consists of a booklet that incorporates the following:

- A cover letter to the departmental respondents
- The questionnaire, which includes instructions
- A glossary of terms used in the survey

Survey Procedures

Each fall the GSS (both paper and the Web version) is sent to a school coordinator appointed by the educational institution. The survey packets were mailed by 11 November 2006 with a requested due date of 31 January 2007. The Web survey was opened on 26 October 2006. The survey procedures used in the 2006 GSS were the same as those used in previous cycles.

School coordinators are requested to review the departmental listing provided in the survey packet on NSF Form 811 and indicate any changes in their school structure, such as departments newly formed, phased out, split, or merged, and to check off any departments that had neither graduate students nor postdoctorates (for which survey forms would therefore not be submitted). School coordinators submit revised Form 811s via the Web survey or by mail to the survey contractor for use as a checklist in tracking departmental responses.

Form 812 is completed by either the school coordinator or departmental respondents and returned to the survey contractor for data entry, editing, and tabulation. The survey contractor refers arithmetic errors, inconsistencies between items, and sharp year-to-year fluctuations to the school coordinators for correction or clarification.

The majority of coordinators indicate they use a combination of sources to provide the data they report on the GSS. Over the years, the use of computerized systems has shown a small but gradual increase.

School coordinators and departmental respondents have had the option of providing data using the Web-based data collection system since the 1998 survey. In 2006, 644 of the 707 reporting units used the online option.

Response Rates

The 2004, 2005, and 2006 response rates are not directly comparable with response rates reported for prior years. Response rates from 1975 through 2003 were calculated for reporting units (schools) and departments but not for institutions. For schools, the response rate was calculated as the total number of responding schools divided by the total number of eligible schools. A school was considered responding if one or more of its eligible departments responded. The departmental response rate was calculated as the number of departments not requiring full imputation divided by the total number of eligible departments. A department was considered responding if it reported at least one data item.

In 2004 the response-rate calculations were changed for schools and departments, and a response-rate calculation was developed for institutions. These new response-rate calculations adhere to the American Association for Public Opinion Research's (AAPOR) standards for computing response rates.[3]

Criteria for distinguishing categories of response (complete, partial, nonresponse) for 2004 forward are as follows:

Department. A department is considered a complete respondent if it reports complete row and column totals in Items 5, 6, 7, and 8 of the survey. A department is considered a partial respondent if it reports only grand totals for Items 5, 6, 7, and 8. A department is classified as a nonrespondent if it does not meet the criteria for complete or partial respondents.

Reporting Unit. A reporting unit is considered a complete respondent if 90% or more of its

departments provide data (are not nonrespondents, as defined above for departments). Response is considered partial if more than 50% but less than 90% of its departments provide data. A reporting unit is considered a nonrespondent if less than 50% of its departments provide data. The same criteria are used to categorize institutional response.

In 2006, 10,814 (87.8%) of the total 12,320 eligible departments were considered complete respondents. An additional 1,177 (9.6%) were considered partial respondents, reporting only grand totals to items 5, 6, 7 and 8. A total of 329 departments (2.7%) were considered nonrespondents.

Of the 707 reporting units surveyed in 2006, 665 (94.0%) provided complete responses, 14 (2.0%) provided partial responses, and 28 (4.0%) were nonrespondents.

Of the 586 institutions surveyed in 2006, 547 (96.3%) were complete respondents, 12 (2.0%) were partial respondents, and 27 (4.6%) were nonrespondents.

Table A-4 shows departmental response rates for 1975–2006. For comparison purposes, two sets of response rates are shown for 2004–06. The first set follows the response-rate calculation used from 1975–2003. The second set follows the response-rate calculation introduced in 2004, which adheres to AAPOR standards. For example, in 2006, 329 departments were considered nonrespondents under the new response-rate calculations, whereas only 302 would have been considered nonrespondents under the older method.

Imputation techniques were used to fill in missing data for departments in 2006. Tables A-5 and A-6 show the total number of departments in doctorate- and master's-granting institutions, the imputed number of full- and part-time graduate students enrolled, the imputed number of postdoctoral appointees, and imputation rates for 2004, 2005, and 2006. Tables A-7 through A-12 provide imputation rates and imputed data by specific data items for 2006.

Changes in Data Items

Over time, changes have been made to the content of the survey to keep it relevant to the needs of data users. Such changes prevent precise maintenance of trend data; therefore, some data items are not available for all institutions in all years. Major changes in the data collected (with the year changes became effective) include the following:

Data Collection

- | | |
|---------|---|
| 1975 | Graduate institutions that granted only master's degrees were asked to provide estimates for the number of full- and part-time students and the number of postdoctorates and/or research associates. |
| 1976–77 | Data for master's-granting institutions were collected on an abbreviated form of the survey (short form), which did not collect data on citizenship of graduate students. |
| 1978 | Doctorate-granting institutions received a short form of the survey collecting selected data items; master's-granting institutions were not surveyed. The 1978 figures shown in the tables for total enrollment and |

full-time enrollment for master's-granting institutions represent estimates based on 1977 and 1979 data.

- 1979 All graduate institutions were surveyed using the same form; the full-scale survey was resumed.
- 1984–87 The survey design was changed to a stratified random sample with a certainty stratum that included all doctorate-granting institutions, all master's-granting historically black colleges and universities, and all land-grant institutions. The remaining master's-granting institutions were divided into two sample strata based on enrollment size. Enrollment data for 1984–87 have been adjusted to reflect universe totals.
- 1988 Surveying the entire eligible survey population was resumed for the first time since 1983–84.
- 2005 Due to Hurricane Katrina, data for Tulane University and Loyola University were not included, and Louisiana State University data are for the Graduate School (Baton Rouge) and Health Sciences Center (Shreveport) only; the two New Orleans campuses were closed. Data from these schools were not available and were not imputed.

Sex

- 1976–77 Master's-granting institutions were requested to provide data on all graduate students by sex.
- 1978 Doctorate-granting institutions received a short form of the survey collecting selected data items, which did not request any information on sex; 1978 figures in the tables represent estimates based on 1977 and 1979 data. Master's-granting institutions were not surveyed.
- 1979 Data on sex were requested for all graduate students at all institutions.
- 1993 The survey began collecting race/ethnicity data by sex.

Race/Ethnicity

- 1979 The survey began collecting race/ethnicity data as an optional data item; collection of this information became an official part of the survey in 1980.
- 1993 The survey began collecting race/ethnicity data by sex.
- 1999 The survey presented respondents with new race/ethnicity categories. The Asian/Pacific Islander category used in previous years' surveys became two categories: Asian and Native Hawaiian/Pacific Islander. In addition, the survey included two new categories: More Than One Race Hispanic/Latino and More Than One Race Non-Hispanic/Latino. The 1999 survey excluded the Other category included in previous years' surveys.

In each of the 7 years of collecting these data, only about 8% of the departments have reported data in any of the new categories. For this year's table production, as in the previous 6 years, the data reported in

the new categories are combined into previous survey categories. The data are combined for the tables as follows: the Asian and Native Hawaiian/Pacific Islander categories form the Asian/Pacific Islander category; the One Race Only Hispanic/Latino and More Than One Race Hispanic/Latino categories form the Hispanic category; and the More Than One Race Non-Hispanic/Latino and Unknown or Did Not State categories form the Other or Unknown category.

Citizenship

- 1972–77 The survey collected citizenship data for graduate students enrolled full time in doctorate-granting institutions.
- 1975–77 Citizenship data were not collected from master's-degree-only institutions for either full- or part-time students.
- 1978 Doctorate-granting institutions received a short form of the survey, which did not collect any citizenship data; 1978 figures in the tables represent estimates based on 1977 and 1979 data. Master's-granting institutions were not surveyed.
- 1979 The survey began collecting citizenship data for all full-time graduate students.
- 1983 The survey began collecting citizenship data for graduate students enrolled part time.

First-Time Enrollment

- 1999 The survey began collecting data on first-time enrollment by race/ethnicity, but data collected by the 2000 survey were the first of these data released.

Graduate Student Support

- 1978 The survey did not collect data on mechanisms of support but did collect sources of support for full-time students. Because actual mechanisms of support were unknown, data were reported only as Other. Master's-granting institutions were not surveyed.
- 1979 The survey began collecting separate data on mechanisms of support for fellowships and traineeships (prior years combined these mechanisms). It also started to collect information on "other nonfaculty research staff with doctorates" along with the information collected on postdoctoral appointees.
- 1985 The survey began collecting separate data on students receiving their primary support from the U.S. Department of Agriculture.
- 1996 The survey began collecting separate data on students receiving their primary support from the National Aeronautics and Space Administration.
- 1999 The survey began collecting separate data on students receiving their primary support from the U.S. Department of Energy.

Data Revisions

During the fall 1988 survey cycle, a review of the survey universe and of the S&E

definition resulted in the exclusion of departments that were not primarily oriented toward granting research degrees. A number of departments—mostly those in the field of "Social sciences, not elsewhere classified"—were found to be primarily engaged in training teachers, practitioners, administrators, or managers rather than researchers; thus, they were no longer eligible for the survey. During the 1989–2006 survey cycles, this process continued, and all ineligible departments identified were removed to ensure trend consistency for the entire 1975–2006 period. These changes resulted in a reduction in total enrollments and social science enrollments for all years. Table A-13 shows the net effect on enrollment data of these adjustments over the years.

Each survey cycle since fall 1992, the classification of an institution's previous-year enrollment data has been changed to reflect the institution's degree-granting status (master's or doctorate) in the current survey cycle. Over the years, a number of master's-granting institutions have become doctorate-granting institutions, and their enrollment data were reclassified from master's- to doctoral-degree status. This shifted numerous institutions (and students) from master's-granting to doctorate-granting categories for years before 1992. Shifting enrollment to doctorate-granting institutions partially offsets decreases in enrollment that occur when ineligible departments are removed in the survey universe review process; thus reductions in enrollment have been smaller at doctorate-granting institutions than at master's-granting institutions.

Since the 1992 survey cycle, the definition of medical schools has included only those institutional components with membership in the Association of American Medical Colleges. Data collected before 1992 are not comparable with data collected for the fall 1992 and subsequent surveys.

Notes

[1] The research doctorate is a research degree that (1) requires an original contribution of knowledge to a science, engineering, or health-related field (typically, but not always, in the form of a written dissertation) and (2) is not primarily intended for the practice of a profession. For additional survey information and available data related to graduate student enrollment and postdoctoral appointees in science and engineering, see <http://www.nsf.gov/statistics/srvygradpostdoc/>.

[2] In this report, the term "reporting unit" is essentially equivalent to a school (such as a graduate school, medical or dental school, nursing school, or school of public health), an affiliated research center, a branch campus, or any other organizational component within an academic institution that grants a science, engineering, or selected health degree.

[3] See response rate 3 calculation, p. 29. American Association for Public Opinion Research. 2004. *Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys*. 3rd ed. Lenexa, Kansas: AAPOR.

Technical Tables

- A-1 The NSF data collection series: 1966–2006
- A-2 Science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1999–2006
- A-3 Science, engineering, and health departments in master's-granting institutions, by detailed field: 1999–2006
- A-4 Response rates for science, engineering, and health departments: 1975–2006
- A-5 Imputation for nonresponse in doctorate-granting institutions, by field and graduate enrollment or postdoctoral status: 2004–06
- A-6 Imputation for nonresponse in master's-granting institutions, by field and graduate enrollment or postdoctoral status: 2004–06
- A-7 Imputation rates of full-time graduate students in science, engineering, and health fields, by source and mechanism of support, and by female students: 2006
- A-8 Imputed full-time graduate students in science, engineering, and health fields, by source and mechanism of support, and by female students: 2006
- A-9 Imputation rates of graduate students in science, engineering, and health fields, by citizenship, race/ethnicity, enrollment status, and sex: 2006
- A-10 Imputed graduate students in science, engineering, and health fields, by citizenship, race/ethnicity, enrollment status, and sex: 2006
- A-11 Imputation rates of postdoctorates in science, engineering, and health fields, by source of support, and nonfaculty research staff with doctorates: 2006
- A-12 Imputed postdoctorates in science, engineering, and health fields, by source of support, and nonfaculty research staff with doctorates: 2006
- A-13 Graduate enrollment data as originally published and as modified through the fall 2006 graduate student survey cycle: 1975–2006

TABLE A-1. The NSF data collection series: 1966–2006

Year	Institutions surveyed	Reporting units surveyed	Departments surveyed			Graduate enrollment in surveyed fields		
			Total	Master's	Doctorate	Total	Full time	Part time
Graduate Traineeship Program								
1966	204	204	2,866	441	2,425	169,303	124,255	45,048
1967	209	209	3,014	434	2,580	179,622	133,972	45,650
1968	219	219	3,190	454	2,736	184,759	140,714	44,045
1969	224	224	3,354	460	2,894	196,341	147,515	48,826
1970	227	227	3,544	473	3,071	201,918	153,250	48,668
1971 ^a	224	224	3,397	407	2,990	214,680	164,764	49,916
Doctorate institutions								
1972	252	321	4,568	764	3,804	207,859	159,392	48,467
1973	255	333	6,523	851	5,672	214,348	161,525	52,823
1974	276	367	7,468	1,387	6,081	259,968	190,562	69,406
1975	345	443	8,031	1,857	6,174	301,902	209,328	92,574
1976	355	454	8,131	1,916	6,215	305,824	213,033	92,791
1977	357	460	8,361	2,050	6,311	313,938	215,377	98,561
1978	345	454	8,381	1,998	6,383	308,107	211,508	96,599
1979	371	487	8,612	2,130	6,482	323,677	219,634	104,043
1980	370	486	8,714	2,174	6,540	333,164	225,877	107,287
1981	370	484	8,645	2,174	6,471	339,946	229,708	110,238
1982	369	484	8,504	2,162	6,342	346,668	232,980	113,688
1983	370	485	8,386	2,133	6,253	354,060	239,220	114,840
1984	345	464	8,320	2,033	6,287	353,673	239,400	114,273
1985	345	459	8,434	2,074	6,360	362,581	242,748	119,833
1986	345	461	8,509	2,083	6,426	373,545	251,562	121,983
1987	349	467	8,626	2,087	6,539	378,785	255,936	122,849
1988	375	494	8,949	2,250	6,699	386,300	262,351	123,949
1989	378	497	9,084	2,276	6,808	394,510	269,679	124,831
1990	377	496	9,234	2,332	6,902	409,419	278,637	130,782
1991	377	496	9,435	2,362	7,073	425,914	291,508	134,406
1992	377	496	9,678	2,417	7,261	445,704	305,979	139,725
1993	377	496	9,875	2,434	7,441	454,745	312,519	142,226
1994	376	495	10,093	2,499	7,594	455,332	313,976	141,356
1995	375	494	10,269	2,552	7,717	449,555	310,538	139,017
1996	376	495	10,289	2,608	7,681	444,319	309,418	134,901
1997	375	498	10,271	2,688	7,583	438,135	307,697	130,438
1998	375	497	10,366	2,713	7,653	435,826	307,040	128,786
1999	376	498	10,482	2,683	7,799	443,104	313,866	129,238
2000	375	497	10,526	2,726	7,800	443,542	319,923	123,619
2001	379	500	10,577	2,728	7,849	459,438	332,732	126,706
2002	374	495	10,726	2,778	7,948	487,645	355,611	132,034
2003	374	495	10,849	2,790	8,059	510,335	372,366	137,969
2004	374	495	10,858	2,781	8,077	518,641	377,984	140,657
2005	374	494	11,004	2,758	8,246	527,048	381,198	145,850
2006	374	495	10,946	2,745	8,201	542,073	393,138	148,935
Master's institutions								
1975 ^b	239	239	972	972	na	26,608	10,320	16,288
1976	239	239	979	979	na	27,892	10,379	17,513
1977	244	244	1,031	1,031	na	31,436	11,361	20,075
1978 ^c	254	254	1,128	1,128	na	31,805	11,522	20,283
1979	258	258	1,074	1,074	na	33,901	12,126	21,775
1980	256	256	1,084	1,084	na	33,914	12,539	21,375
1981	252	252	1,083	1,083	na	35,184	12,341	22,843
1982	240	240	1,080	1,080	na	35,623	11,777	23,846
1983	238	238	1,081	1,081	na	36,372	12,797	23,575

TABLE A-1. The NSF data collection series: 1966–2006

Year	Institutions surveyed	Reporting units surveyed	Departments surveyed			Graduate enrollment in surveyed fields		
			Total	Master's	Doctorate	Total	Full time	Part time
1984	66	66	471	471	na	40,997	14,522	26,475
1985	66	66	477	477	na	41,440	14,539	26,901
1986	66	66	476	476	na	41,975	14,606	27,369
1987	66	66	478	478	na	42,712	15,120	27,592
1988	229	229	1,066	1,066	na	38,223	12,776	25,447
1989	229	229	1,103	1,103	na	39,968	12,969	26,999
1990	231	231	1,124	1,124	na	42,694	14,145	28,549
1991	230	230	1,163	1,163	na	45,298	15,502	29,796
1992	229	229	1,194	1,194	na	47,818	16,576	31,242
1993	227	227	1,228	1,228	na	49,559	17,125	32,434
1994	227	227	1,272	1,272	na	49,067	18,112	30,955
1995	226	226	1,297	1,297	na	50,085	18,745	31,340
1996	225	225	1,290	1,290	na	49,760	19,118	30,642
1997	224	224	1,318	1,318	na	49,073	19,592	29,481
1998	224	224	1,319	1,319	na	49,801	20,349	29,452
1999	221	221	1,345	1,345	na	50,152	20,557	29,595
2000	219	219	1,368	1,368	na	49,769	21,360	28,409
2001	220	220	1,385	1,385	na	50,169	21,790	28,379
2002	220	220	1,400	1,400	na	52,759	23,380	29,379
2003	217	217	1,412	1,412	na	56,786	25,054	31,732
2004	215	215	1,410	1,410	na	55,822	24,589	31,233
2005	214	214	1,391	1,391	na	55,178	25,422	29,756
2006	212	212	1,374	1,374	na	55,570	25,877	29,693

na = not applicable.

^a The 1972 survey also collected selected data for 1971.

^b The 1976 survey also collected 1975 data from master's-granting institutions.

^c Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

NOTE: Data from 1966 to 1974 are not directly comparable with data from 1975 forward due to changes both in the science and engineering fields and in the types of institutions covered in the survey.

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

TABLE A-2. Science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005 ^a	2006
All surveyed fields	10,482	10,526	10,577	10,726	10,849	10,858	10,907	10,946
Science and engineering	7,549	7,594	7,624	7,699	7,828	7,870	7,935	7,993
Science	6,057	6,077	6,111	6,183	6,269	6,308	6,356	6,397
Agricultural sciences	341	345	352	359	364	377	389	383
Biological sciences	2,001	1,989	1,996	2,053	2,074	2,050	2,066	2,083
Anatomy	82	80	80	83	80	75	72	70
Biochemistry	193	186	183	188	185	181	182	181
Biology	266	265	263	264	269	268	267	275
Biometry/epidemiology	75	76	79	88	91	93	93	95
Biophysics	31	30	31	33	33	34	35	36
Botany	78	76	77	76	76	71	72	71
Cell biology	148	155	155	160	161	159	164	177
Ecology	36	37	39	42	43	45	45	46
Entomology/parasitology	47	46	46	44	44	42	40	40
Genetics	85	87	91	93	99	97	100	98
Microbiology/immunology/virology	261	260	255	261	259	248	241	237
Nutrition	129	128	126	126	128	127	131	131
Pathology	135	133	134	133	131	125	121	118
Pharmacology	162	160	161	166	165	156	153	152
Physiology	133	130	125	128	124	123	121	120
Zoology	38	34	33	31	32	29	29	27
Biosciences, nec	102	106	118	137	154	177	200	209
Computer sciences	319	330	342	354	367	382	389	394
Earth, atmospheric, and ocean sciences	369	372	371	369	374	373	374	375
Atmospheric sciences	32	33	33	34	34	35	36	33
Geosciences	208	207	208	205	206	207	207	205
Oceanography	58	57	55	55	57	57	56	57
Earth/atmospheric/ocean sciences, nec	71	75	75	75	77	74	75	80
Mathematical sciences	412	409	412	412	412	412	417	419
Mathematics/applied mathematics	328	323	325	324	324	322	325	327
Statistics	84	86	87	88	88	90	92	92
Physical sciences	607	605	607	596	597	595	600	606
Astronomy	36	38	38	38	38	39	41	41
Chemistry	290	287	290	282	281	281	283	288
Physics	256	252	249	246	250	250	249	250
Physical sciences, nec	25	28	30	30	28	25	27	27
Psychology	618	623	626	622	635	645	640	643
Clinical psychology	134	134	136	136	141	143	141	145
Psychology, general	189	193	191	191	191	191	190	192
Psychology, nec	295	296	299	295	303	311	309	306
Social sciences	1,390	1,404	1,405	1,418	1,446	1,474	1,481	1,494
Agricultural economics	56	56	56	58	58	57	57	57
Anthropology (cultural/social)	136	134	132	133	135	138	140	142
Economics (except agricultural)	203	202	202	197	197	198	194	194
Geography	103	103	102	106	106	107	104	105
History and philosophy of science	25	27	27	26	26	27	31	33
Linguistics	71	72	72	71	72	74	73	75
Political science	355	359	357	362	371	379	379	379
Sociology	187	185	185	185	184	184	182	181
Sociology/anthropology	23	23	23	22	24	24	24	22
Social sciences, nec	231	243	249	258	273	286	297	306
Engineering	1,492	1,517	1,513	1,516	1,559	1,562	1,579	1,596
Aerospace engineering	56	57	55	54	55	54	55	57

TABLE A-2. Science, engineering, and health departments in doctorate-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005 ^a	2006
Agricultural engineering	40	41	39	39	38	38	36	38
Biomedical engineering	76	80	80	83	95	97	100	110
Chemical engineering	148	149	148	145	145	146	147	147
Civil engineering	245	250	255	254	260	267	269	269
Electrical engineering	246	250	251	251	258	259	265	261
Engineering science	40	39	38	37	41	38	37	38
Industrial engineering	166	172	174	171	175	172	171	169
Mechanical engineering	192	191	192	192	192	190	190	190
Metallurgical/materials engineering	114	111	110	108	113	113	113	115
Mining engineering	24	25	24	23	22	22	22	21
Nuclear engineering	24	24	23	23	23	23	23	23
Petroleum engineering	16	18	17	18	18	18	18	19
Engineering, nec	105	110	107	118	124	125	133	139
Health	2,933	2,932	2,953	3,027	3,021	2,988	2,972	2,953
Clinical medicine	2,080	2,041	2,039	2,080	2,052	2,000	1,959	1,937
Anesthesiology	87	87	89	89	89	88	87	88
Cardiology	72	71	70	68	69	62	59	56
Endocrinology	72	70	68	67	66	60	57	56
Gastroenterology	68	68	67	65	64	60	54	53
Hematology	72	71	70	67	66	60	55	53
Neurology	164	162	164	171	174	172	173	178
Obstetrics/gynecology	91	88	88	89	86	84	83	83
Oncology/cancer research	71	70	74	89	89	90	94	94
Ophthalmology	78	76	76	77	75	73	72	69
Otorhinolaryngology	64	62	63	62	60	56	54	55
Pediatrics	110	110	109	110	109	105	103	95
Preventive medicine/community health	198	196	193	195	192	200	203	204
Psychiatry	100	98	98	104	103	101	97	99
Pulmonary disease	66	64	64	63	61	56	52	51
Radiology	131	128	127	128	123	116	116	112
Surgery	246	240	239	234	231	225	212	206
Clinical medicine, nec	390	380	380	402	395	392	388	385
Other health fields	853	891	914	947	969	988	1,013	1,016
Dental sciences	79	82	83	85	82	76	79	79
Nursing	169	171	174	175	186	191	197	197
Pharmaceutical sciences	92	87	87	87	90	94	93	93
Speech pathology/audiology	152	161	161	164	164	168	168	167
Veterinary sciences	55	62	62	68	71	72	79	79
Other health, nec	306	328	347	368	376	387	397	401

nec = not elsewhere classified.

^a Includes departments at schools closed because of Hurricane Katrina.

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

TABLE A-3. Science, engineering, and health departments in master's-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005 ^a	2006
All surveyed fields	1,345	1,368	1,385	1,400	1,412	1,410	1,391	1,374
Science and engineering	1,126	1,137	1,150	1,158	1,158	1,153	1,133	1,120
Science	956	967	975	979	977	969	960	942
Agricultural sciences	28	25	24	30	31	33	35	32
Biological sciences	149	153	154	154	158	157	157	159
Anatomy	0	0	0	0	0	0	0	0
Biochemistry	3	3	3	3	4	4	4	4
Biology	111	109	109	108	108	106	105	104
Biometry/epidemiology	0	0	0	0	0	0	0	0
Biophysics	0	0	0	0	0	0	0	0
Botany	2	2	2	2	2	2	2	2
Cell biology	2	3	3	3	3	3	4	5
Ecology	4	5	5	6	6	6	6	6
Entomology/parasitology	0	0	0	0	0	0	0	0
Genetics	2	2	2	2	2	2	2	2
Microbiology/immunology/virology	2	3	3	3	3	4	5	3
Nutrition	10	10	9	9	9	10	10	10
Pathology	0	0	0	0	0	0	0	0
Pharmacology	1	1	1	0	0	0	0	0
Physiology	1	2	2	2	4	4	4	5
Zoology	2	2	2	1	1	1	1	1
Biosciences, nec	9	11	13	15	16	15	14	17
Computer sciences	77	86	89	90	96	98	99	101
Earth, atmospheric, and ocean sciences	53	55	55	56	58	56	56	55
Atmospheric sciences	1	1	1	1	1	1	1	1
Geosciences	26	28	28	29	29	27	27	25
Oceanography	6	6	5	5	5	5	5	5
Earth/atmospheric/ocean sciences, nec	20	20	21	21	23	23	23	24
Mathematical sciences	84	82	79	78	78	77	76	75
Mathematics/applied mathematics	81	79	76	75	75	74	73	72
Statistics	3	3	3	3	3	3	3	3
Physical sciences	87	82	78	78	75	71	73	70
Astronomy	0	0	0	0	0	0	0	0
Chemistry	53	52	50	49	48	47	49	46
Physics	22	20	19	20	19	17	17	17
Physical sciences, nec	12	10	9	9	8	7	7	7
Psychology	216	217	214	216	208	204	205	199
Clinical psychology	36	36	35	35	33	32	33	31
Psychology, general	74	75	75	73	70	71	69	67
Psychology, nec	106	106	104	108	105	101	103	101
Social sciences	262	267	282	277	273	273	259	251
Agricultural economics	2	1	0	0	0	0	1	1
Anthropology (cultural/social)	12	12	12	12	12	13	12	12
Economics (except agricultural)	29	29	29	27	25	24	21	20
Geography	22	21	23	24	23	23	22	21
History and philosophy of science	1	2	5	5	7	8	7	6
Linguistics	7	7	7	7	6	6	6	6
Political science	94	98	98	97	95	95	92	87
Sociology	34	34	36	36	33	34	33	33
Sociology/anthropology	2	2	2	1	1	2	2	2
Social sciences, nec	59	61	70	68	71	68	63	63
Engineering	170	170	175	179	181	184	173	178
Aerospace engineering	3	3	3	3	3	3	3	3

TABLE A-3. Science, engineering, and health departments in master's-granting institutions, by detailed field: 1999–2006

Field	1999	2000	2001	2002	2003	2004	2005 ^a	2006
Agricultural engineering	0	0	0	0	0	0	0	0
Biomedical engineering	4	4	4	4	3	3	3	3
Chemical engineering	6	6	6	6	7	6	6	6
Civil engineering	29	28	27	27	27	28	27	27
Electrical engineering	44	45	45	46	46	46	42	44
Engineering science	2	2	3	4	4	4	3	3
Industrial engineering	31	29	31	30	32	33	32	34
Mechanical engineering	22	23	24	22	25	25	23	24
Metallurgical/materials engineering	4	3	3	4	3	2	2	2
Mining engineering	2	2	2	2	2	2	2	2
Nuclear engineering	0	0	0	0	0	0	0	0
Petroleum engineering	1	1	1	1	1	1	1	1
Engineering, nec	22	24	26	30	28	31	29	29
Health	219	231	235	242	254	257	258	254
Clinical medicine	21	18	19	23	22	24	24	24
Anesthesiology	3	3	3	4	4	4	4	4
Cardiology	0	0	0	0	0	0	0	0
Endocrinology	0	0	0	0	0	0	0	0
Gastroenterology	0	0	0	0	0	0	0	0
Hematology	0	0	0	0	0	0	0	0
Neurology	0	0	0	0	0	0	1	1
Obstetrics/gynecology	0	0	0	0	0	0	0	0
Oncology/cancer research	0	0	0	0	0	0	0	0
Ophthalmology	0	0	0	0	0	0	0	0
Otorhinolaryngology	0	0	0	0	0	0	0	0
Pediatrics	0	0	0	0	0	0	0	0
Preventive medicine/community health	8	7	7	9	9	11	12	12
Psychiatry	1	1	1	2	1	1	0	0
Pulmonary disease	0	0	0	0	0	0	0	0
Radiology	1	1	1	1	1	1	1	1
Surgery	0	0	0	0	0	0	0	0
Clinical medicine, nec	8	6	7	7	7	7	6	6
Other health fields	198	213	216	219	232	233	234	230
Dental sciences	0	0	0	0	0	0	0	0
Nursing	69	73	76	75	79	80	83	83
Pharmaceutical sciences	1	1	1	1	1	1	1	1
Speech pathology/audiology	59	59	58	58	57	57	55	54
Veterinary sciences	0	0	0	0	0	0	0	0
Other health, nec	69	80	81	85	95	95	95	92

nec = not elsewhere classified.

^a Includes departments at schools closed because of Hurricane Katrina.

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

TABLE A-4. Response rates for science, engineering, and health departments: 1975–2006

Year	Total	Complete response		Partial response		Nonresponse	
		Number	Percent	Number	Percent	Number	Percent
1975 ^a	9,162	8,998	98.2	NA	NA	NA	NA
1976	9,275	9,148	98.6	NA	NA	NA	NA
1977	9,513	9,432	99.1	NA	NA	NA	NA
1978 ^b	8,242	8,077	98.0	NA	NA	NA	NA
1979	9,796	9,446	96.4	NA	NA	NA	NA
1980	9,930	9,593	96.6	NA	NA	NA	NA
1981	9,917	8,594	86.7	613	6.2	710	7.2
1982	9,776	8,104	82.9	744	7.6	928	9.5
1983	9,663	8,070	83.5	816	8.4	777	8.0
1984	8,748	7,490	85.6	643	7.4	615	7.0
1985	9,025	7,818	86.6	672	7.4	535	5.9
1986	9,097	7,817	85.9	779	8.6	501	5.5
1987	9,254	8,030	86.8	715	7.7	509	5.5
1988	10,295	8,812	85.6	970	9.4	513	5.0
1989	10,318	8,908	86.3	891	8.6	519	5.0
1990	10,483	8,884	84.7	1,053	10.0	546	5.2
1991	10,705	9,052	84.6	1,186	11.1	467	4.4
1992	10,936	9,066	82.9	1,538	14.1	332	3.0
1993	11,146	9,156	82.1	1,555	14.0	435	3.9
1994	11,411	8,863	77.7	2,109	18.5	439	3.8
1995	11,598	9,514	82.0	1,730	14.9	354	3.1
1996	11,592	9,851	85.0	1,522	13.1	219	1.9
1997	11,597	9,720	83.8	1,665	14.4	212	1.8
1998	11,718	9,822	83.8	1,706	14.6	190	1.6
1999	11,833	9,396	79.4	2,289	19.3	148	1.3
2000	11,899	9,818	82.5	1,965	16.5	116	1.0
2001	11,967	10,121	84.6	1,731	14.5	115	1.0
2002	12,126	10,434	86.0	1,567	12.9	125	1.0
2003	12,261	10,343	84.4	1,709	13.9	209	1.7
2004 ^c	12,240	10,426	85.2	1,609	13.1	205	1.7
2004 ^d	12,240	10,524	86.0	1,474	12.0	242	2.0
2005 ^c	12,396	10,709	86.4	1,446	11.7	241	1.9
2005 ^d	12,396	10,783	87.0	1,270	10.2	343	2.8
2006 ^c	12,320	10,749	87.2	1,269	10.3	302	2.5
2006 ^d	12,320	10,814	87.8	1,177	9.6	329	2.7

NA = not available.

^a The 1976 survey also collected 1975 data from master's-granting institutions.

^b Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

^c Calculated using the response-rate formula used through 2003. Schools closed in 2005 because of Hurricane Katrina were counted as nonrespondents.

^d Calculated using the response-rate formula implemented in 2004. Schools closed in 2005 because of Hurricane Katrina were counted as nonrespondents.

NOTES: Includes medical schools. Departments providing partial responses are included in the complete response column prior to 1981 and reported separately beginning in 1981. Response rates for 2006 are as of 18 September 2007.

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

TABLE A-5. Imputation for nonresponse in doctorate-granting institutions, by field and graduate enrollment or postdoctoral status: 2004–06

Year and field	Graduate departments in universe	Total in survey			Number imputed			Imputation rate (%)		
		Full-time student	Part-time student	Post-doctorate	Full-time student	Part-time student	Post-doctorate	Full-time student	Part-time student	Post-doctorate
Fall 2006, all fields	10,946	393,138	148,935	49,201	6,626	3,305	408	1.7	2.2	0.8
Agricultural sciences	383	8,977	3,156	927	140	153	0	1.6	4.8	0.0
Biological sciences	2,083	57,082	8,779	18,787	712	140	131	1.2	1.6	0.7
Computer sciences	394	26,937	16,095	456	723	234	0	2.7	1.5	0.0
Earth, atmospheric, and ocean sciences	375	11,102	2,930	1,493	60	23	3	0.5	0.8	0.2
Mathematical sciences	419	14,995	4,042	574	70	95	8	0.5	2.4	1.4
Physical sciences	606	32,368	3,560	6,643	181	47	9	0.6	1.3	0.1
Psychology	643	32,944	14,273	863	1,263	1,086	1	3.8	7.6	0.1
Social sciences	1,494	61,843	29,330	391	738	443	0	1.2	1.5	0.0
Engineering	1,596	85,134	31,490	4,623	1,058	349	6	1.2	1.1	0.1
Health fields	2,953	61,756	35,280	14,444	1,681	735	250	2.7	2.1	1.7
Fall 2005, all fields ^a	10,907	381,198	145,850	48,503	3,788	1,731	279	1.0	1.2	0.6
Agricultural sciences	389	9,185	3,086	1,006	11	8	0	0.1	0.3	0.0
Biological sciences	2,066	55,836	8,704	18,739	601	99	73	1.1	1.1	0.4
Computer sciences	389	26,524	16,556	406	185	89	0	0.7	0.5	0.0
Earth, atmospheric, and ocean sciences	374	10,999	2,982	1,364	72	15	0	0.7	0.5	0.0
Mathematical sciences	417	14,652	3,918	496	75	57	0	0.5	1.5	0.0
Physical sciences	600	31,921	3,514	6,980	122	40	0	0.4	1.1	0.0
Psychology	640	32,781	13,508	881	801	328	0	2.4	2.4	0.0
Social sciences	1,481	59,232	28,522	371	349	266	0	0.6	0.9	0.0
Engineering	1,579	82,241	32,159	4,164	820	525	8	1.0	1.6	0.2
Health fields	2,972	57,827	32,901	14,096	752	304	198	1.3	0.9	1.4
Fall 2004, all fields	10,858	377,984	140,657	47,202	5,493	1,859	507	1.5	1.3	1.1
Agricultural sciences	377	9,509	3,064	958	66	0	2	0.7	0.0	0.2
Biological sciences	2,050	54,139	8,695	18,697	840	145	130	1.6	1.7	0.7
Computer sciences	382	27,204	17,258	384	583	372	0	2.1	2.2	0.0
Earth, atmospheric, and ocean sciences	373	11,265	2,884	1,263	52	4	0	0.5	0.1	0.0
Mathematical sciences	412	14,357	3,897	468	162	48	0	1.1	1.2	0.0
Physical sciences	595	31,267	3,599	7,048	489	85	141	1.6	2.4	2.0
Psychology	645	32,111	11,593	898	872	333	1	2.7	2.9	0.1
Social sciences	1,474	58,187	27,231	365	767	285	0	1.3	1.0	0.0
Engineering	1,562	84,616	31,872	3,947	647	260	1	0.8	0.8	*
Health fields	2,988	55,329	30,564	13,174	1,015	327	232	1.8	1.1	1.8

* = imputation rate < 0.05%.

^a No imputation was done for schools closed because of Hurricane Katrina.

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

TABLE A-6. Imputation for nonresponse in master's-granting institutions, by field and graduate enrollment or postdoctoral status: 2004-06

Year and field	Graduate departments in universe	Total in survey			Number imputed			Imputation rate (%)		
		Full-time student	Part-time student	Post-doctorate	Full-time student	Part-time student	Post-doctorate	Full-time student	Part-time student	Post-doctorate
Fall 2006, all fields	1,374	25,877	29,693	60	1,122	1,307	5	4.3	4.4	8.3
Agricultural sciences	32	501	382	0	0	0	0	0.0	0.0	0.0
Biological sciences	159	1,836	2,244	10	12	42	0	0.7	1.9	0.0
Computer sciences	101	1,823	2,798	2	147	55	0	8.1	2.0	0.0
Earth, atmospheric, and ocean sciences	55	329	559	0	0	6	0	0.0	1.1	0.0
Mathematical sciences	75	576	1,202	0	14	4	0	2.4	0.3	0.0
Physical sciences	70	473	500	31	0	0	0	0.0	0.0	0.0
Psychology	199	6,050	4,386	7	385	440	0	6.4	10.0	0.0
Social sciences	251	4,148	7,026	3	183	319	0	4.4	4.5	0.0
Engineering	178	2,684	3,733	3	61	134	2	2.3	3.6	66.7
Health fields	254	7,457	6,863	4	320	307	3	4.3	4.5	75.0
Fall 2005, all fields ^a	1,391	25,422	29,756	52	375	328	0	1.5	1.1	0.0
Agricultural sciences	35	525	327	1	0	0	0	0.0	0.0	0.0
Biological sciences	157	1,861	2,078	8	41	4	0	2.2	0.2	0.0
Computer sciences	99	1,793	3,105	0	18	10	0	1.0	0.3	0.0
Earth, atmospheric, and ocean sciences	56	371	484	0	7	4	0	1.9	0.8	0.0
Mathematical sciences	76	609	1,031	4	0	0	0	0.0	0.0	0.0
Physical sciences	73	479	461	31	6	4	0	1.3	0.9	0.0
Psychology	205	6,138	4,855	3	61	175	0	1.0	3.6	0.0
Social sciences	259	4,377	7,296	0	85	86	0	1.9	1.2	0.0
Engineering	173	2,218	3,947	2	113	43	0	5.1	1.1	0.0
Health fields	258	7,051	6,172	3	44	2	0	0.6	*	0.0
Fall 2004, all fields	1,410	24,589	31,233	38	183	270	1	0.7	0.9	2.6
Agricultural sciences	33	531	341	1	0	0	0	0.0	0.0	0.0
Biological sciences	157	1,709	2,022	19	4	9	0	0.2	0.4	0.0
Computer sciences	98	1,958	3,596	0	0	0	0	0.0	0.0	0.0
Earth, atmospheric, and ocean sciences	56	420	562	0	4	8	0	1.0	1.4	0.0
Mathematical sciences	77	559	1,118	0	0	0	0	0.0	0.0	0.0
Physical sciences	71	408	487	11	0	0	0	0.0	0.0	0.0
Psychology	204	5,761	4,661	4	41	4	0	0.7	*	0.0
Social sciences	273	4,189	7,725	0	68	184	0	1.6	2.4	0.0
Engineering	184	2,339	4,739	2	6	43	0	0.3	0.9	0.0
Health fields	257	6,715	5,982	1	60	22	1	0.9	0.4	100.0

* = imputation rate < 0.05%.

^aNo imputation was done for schools closed because of Hurricane Katrina.

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

TABLE A-7. Imputation rates of full-time graduate students in science, engineering, and health fields, by source and mechanism of support, and by female students: 2006

Source of support	All sources	Fellowship	Research assistantship	Teaching assistantship	Traineeship	Other support	Female students
All sources	1.9	7.4	8.7	9.8	8.2	16.8	2.8
Federal sources							
Department of Defense	19.6	13.8	10.9	na	5.0	42.6	13.7
Department of Energy	5.5	5.1	5.7	0.0	3.1	4.7	7.6
Department of Health and Human Services							
National Institutes of Health	6.5	2.5	7.2	3.9	5.6	6.5	7.1
Other	12.0	10.3	8.9	0.0	16.2	1.1	12.9
National Aeronautics and Space Administration	11.8	7.3	12.8	4.3	12.3	0.0	7.9
National Science Foundation	6.8	4.7	7.3	6.5	4.8	4.5	5.5
U.S. Department of Agriculture	2.4	0.0	2.4	5.3	17.4	0.0	2.8
Other	10.6	8.2	9.9	36.4	13.3	6.8	10.2
Nonfederal sources							
Domestic	11.5	10.9	10.0	28.8	11.0	13.3	11.7
Foreign	8.5	8.7	9.1	na	23.1	6.0	9.4
Institutional	9.3	7.4	9.5	9.5	6.0	11.5	10.2
Self-support	17.6	na	na	na	na	17.6	18.5

na = not applicable; question was not asked.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-8. Imputed full-time graduate students in science, engineering, and health fields, by source and mechanism of support, and by female students: 2006

Source of support	All sources	Fellowship	Research assistantship	Teaching assistantship	Traineeship	Other support	Female students
All sources	7,826	2,701	9,995	7,474	1,189	29,763	5,697
Federal sources							
Department of Defense	1,742	62	646	na	4	1,030	247
Department of Energy	246	9	233	0	2	2	79
Department of Health and Human Services							
National Institutes of Health	1,785	46	1,319	13	335	72	1,021
Other	441	13	90	0	334	4	338
National Aeronautics and Space Administration	279	19	251	2	7	0	56
National Science Foundation	1,376	159	1,157	27	19	14	366
U.S. Department of Agriculture	72	0	64	4	4	0	40
Other	1,449	161	753	228	149	158	658
Nonfederal sources							
Domestic	2,907	378	1,647	303	64	515	1,195
Foreign	226	98	53	na	24	51	75
Institutional	14,930	1,759	3,812	6,926	247	2,193	7,442
Self-support	25,740	na	na	na	na	25,748	15,344

na = not applicable; question was not asked.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-9. Imputation rates of graduate students in science, engineering, and health fields, by citizenship, race/ethnicity, enrollment status, and sex: 2006

Citizenship and race/ethnicity	Part time			Full time			First time	
	Total	Male	Female	Total	Male	Female	Total	Female
All graduate students	2.6	2.8	4.3	1.9	2.3	2.8	2.8	3.3
U.S. citizens and permanent residents								
One race only, non-Hispanic/Latino								
American Indian/Alaska Native	2.3	2.1	2.5	2.9	2.9	2.9	1.7	1.9
Asian	3.3	2.8	3.8	2.9	2.9	3.1	2.5	2.6
Black	7.3	5.7	8.0	8.0	7.6	8.2	5.9	6.3
Native Hawaiian/Pacific Islander	3.9	5.1	2.8	5.3	6.0	5.0	4.3	4.0
White	4.2	3.1	5.2	3.7	3.1	4.4	3.5	4.1
One race only, Hispanic/Latino	3.9	2.9	4.6	3.7	3.4	4.0	3.2	3.1
More than one race								
Hispanic/Latino	1.0	0.0	1.6	0.9	0.4	1.1	2.0	2.9
Non-Hispanic/Latino	2.0	4.9	0.0	3.2	3.6	2.9	5.9	6.3
Unknown	4.1	2.8	5.1	3.4	3.9	3.0	2.5	2.0
Temporary visa holders	4.7	4.8	4.5	2.5	2.7	2.3	1.9	1.7

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-10. Imputed graduate students in science, engineering, and health fields, by citizenship, race/ethnicity, enrollment status, and sex: 2006

Citizenship and race/ethnicity	Part time			Full time			First time	
	Total	Male	Female	Total	Male	Female	Total	Female
All graduate students	4,697	2,305	4,107	7,826	5,035	5,697	3,302	1,895
U.S. citizens and permanent residents								
One race only, non-Hispanic/Latino								
American Indian/Alaska Native	21	8	13	51	21	31	8	5
Asian	400	177	223	705	335	401	182	99
Black	1,086	265	821	1,592	516	1,086	329	238
Native Hawaiian/Pacific Islander	16	10	6	43	20	24	9	6
White	4,327	1,414	2,917	7,295	2,867	4,618	1,928	1,262
One race only, Hispanic/Latino	416	133	283	654	251	416	160	96
More than one race								
Hispanic/Latino	3	0	3	14	2	12	4	4
Non-Hispanic/Latino	2	2	0	16	7	9	8	5
Unknown	698	226	473	792	441	367	180	78
Temporary visa holders	924	618	306	3,281	2,349	1,017	654	200

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-11. Imputation rates of postdoctorates in science, engineering, and health fields, by source of support, and nonfaculty research staff with doctorates: 2006

Status	Total	Women	With M.D., D.O., D.D.S., or D.V.M. degree
Postdoctorates, all sources of support	1.2	1.2	6.5
Federal			
Fellowship	19.8	17.2	47.0
Research grant	6.8	7.0	18.4
Traineeship	7.5	5.3	21.1
Nonfederal	10.1	9.3	19.1
Foreign	1.3	1.4	2.9
Nonfaculty research staff with doctorates	2.1	1.7	0.2

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-12. Imputed postdoctorates in science, engineering, and health fields, by source of support, and nonfaculty research staff with doctorates: 2006

Status	Total	Women	With M.D., D.O., D.D.S., or D.V.M. degree
Postdoctorates, all sources of support	574	206	351
Federal			
Fellowship	729	257	309
Research grant	1,869	652	378
Traineeship	205	67	123
Nonfederal	1,569	515	402
Foreign	360	126	78
Nonfaculty research staff with doctorates	223	60	2

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2006.

TABLE A-13. Graduate enrollment data as originally published and as modified through the fall 2006 graduate student survey cycle: 1975–2006

Year	All institutions			Doctorate-granting institutions			Master's-granting institutions		
	Original	Revised	% change	Original	Revised	% change	Original	Revised	% change
All graduate enrollment in surveyed fields									
1975 ^a	336,843	328,510	-2.5	290,662	301,902	3.9	46,181	26,608	-42.4
1976	345,979	333,716	-3.5	297,280	305,824	2.9	48,699	27,892	-42.7
1977	362,978	345,374	-4.8	306,710	313,938	2.4	56,268	31,436	-44.1
1978 ^b	NA	339,912	-	311,982	308,107	-1.2	NA	31,805	-
1979	375,267	357,578	-4.7	321,770	323,677	0.6	53,497	33,901	-36.6
1980	383,210	367,078	-4.2	333,658	333,164	-0.1	49,552	33,914	-31.6
1981	392,034	375,130	-4.3	340,203	339,946	-0.1	51,831	35,184	-32.1
1982	399,682	382,291	-4.4	347,414	346,668	-0.2	52,268	35,623	-31.8
1983	413,564	390,432	-5.6	358,276	354,060	-1.2	55,288	36,372	-34.2
1984	415,064	394,670	-4.9	363,470	353,673	-2.7	51,594	40,997	-20.5
1985	434,836	404,021	-7.1	371,052	362,581	-2.3	63,784	41,440	-35.0
1986	446,102	415,520	-6.9	384,203	373,545	-2.8	61,899	41,975	-32.2
1987	449,585	421,497	-6.2	388,681	378,785	-2.5	60,904	42,712	-29.9
1988	445,595	424,523	-4.7	391,683	386,300	-1.4	53,912	38,223	-29.1
1989	440,983	434,478	-1.5	385,025	394,510	2.5	55,958	39,968	-28.6
1990	458,943	452,113	-1.5	398,405	409,419	2.8	60,538	42,694	-29.5
1991	475,691	471,212	-0.9	411,296	425,914	3.6	64,395	45,298	-29.7
1992	495,397	493,522	-0.4	427,792	445,704	4.2	67,605	47,818	-29.3
1993	506,678	504,304	-0.5	440,875	454,745	3.1	65,803	49,559	-24.7
1994	506,626	504,399	-0.4	441,480	455,332	3.1	65,146	49,067	-24.7
1995	501,510	499,640	-0.4	436,328	449,555	3.0	65,182	50,085	-23.2
1996	494,526	494,079	-0.1	430,631	444,319	3.2	63,895	49,760	-22.1
1997	487,104	487,208	*	424,650	438,135	3.2	62,454	49,073	-21.4
1998	485,754	485,627	*	422,834	435,826	3.1	62,920	49,801	-20.9
1999	493,425	493,256	*	432,657	443,104	2.4	60,768	50,152	-17.5
2000	494,594	493,311	-0.3	435,612	443,542	1.8	58,982	49,769	-15.6
2001	510,156	509,607	-0.1	452,411	459,438	1.6	57,745	50,169	-13.1
2002	540,720	540,404	-0.1	482,211	487,645	1.1	58,509	52,759	-9.8
2003	566,835	567,121	0.1	507,247	510,335	0.6	59,588	56,786	-4.7
2004	574,334	574,463	*	516,616	518,641	0.4	57,718	55,822	-3.3
2005	583,226	582,226	-0.2	527,767	527,048	-0.1	55,459	55,178	-0.5
2006	597,643	na	-	542,073	na	-	55,570	na	-
Full-time enrollment									
1975 ^a	228,316	219,648	-3.8	210,641	209,328	-0.6	17,675	10,320	-41.6
1976	233,748	223,412	-4.4	215,355	213,033	-1.1	18,393	10,379	-43.6
1977	238,202	226,738	-4.8	218,226	215,377	-1.3	19,976	11,361	-43.1
1978 ^b	NA	223,030	-	217,588	211,508	-2.8	NA	11,522	-
1979	243,331	231,760	-4.8	224,057	219,634	-2.0	19,274	12,126	-37.1
1980	249,111	238,416	-4.3	230,601	225,877	-2.0	18,510	12,539	-32.3
1981	253,428	242,049	-4.5	234,529	229,708	-2.1	18,899	12,341	-34.7
1982	255,959	244,757	-4.4	237,676	232,980	-2.0	18,283	11,777	-35.6
1983	263,800	252,017	-4.5	243,646	239,220	-1.8	20,154	12,797	-36.5
1984	264,146	253,922	-3.9	246,848	239,400	-3.0	17,298	14,522	-16.0
1985	269,319	257,287	-4.5	249,666	242,748	-2.8	19,653	14,539	-26.0
1986	279,235	266,168	-4.7	259,980	251,562	-3.2	19,255	14,606	-24.1
1987	285,200	271,056	-5.0	264,862	255,936	-3.4	20,338	15,120	-25.7
1988	288,619	275,127	-4.7	268,385	262,351	-2.2	20,234	12,776	-36.9
1989	286,619	282,648	-1.4	267,554	269,679	0.8	19,065	12,969	-32.0

TABLE A-13. Graduate enrollment data as originally published and as modified through the fall 2006 graduate student survey cycle: 1975–2006

Year	All institutions			Doctorate-granting institutions			Master's-granting institutions		
	Original	Revised	% change	Original	Revised	% change	Original	Revised	% change
1990	295,836	292,782	-1.0	275,262	278,637	1.2	20,574	14,145	-31.2
1991	308,669	307,010	-0.5	286,756	291,508	1.7	21,913	15,502	-29.3
1992	323,399	322,555	-0.3	299,753	305,979	2.1	23,646	16,576	-29.9
1993	330,249	329,644	-0.2	307,181	312,519	1.7	23,068	17,125	-25.8
1994	331,969	332,088	*	307,964	313,976	2.0	24,005	18,112	-24.5
1995	330,235	329,283	-0.3	305,652	310,538	1.6	24,583	18,745	-23.7
1996	328,368	328,536	0.1	303,586	309,418	1.9	24,782	19,118	-22.9
1997	326,842	327,289	0.1	301,573	307,697	2.0	25,269	19,592	-22.5
1998	327,609	327,389	-0.1	301,544	307,040	1.8	26,065	20,349	-21.9
1999	334,405	334,423	*	309,466	313,866	1.4	24,939	20,557	-17.6
2000	342,121	341,283	-0.2	316,531	319,923	1.1	25,590	21,360	-16.5
2001	355,115	354,522	-0.2	330,043	332,732	0.8	25,072	21,790	-13.1
2002	378,822	378,991	*	352,764	355,611	0.8	26,058	23,380	-10.3
2003	398,010	397,420	-0.1	371,784	372,366	0.2	26,226	25,054	-4.5
2004	402,161	402,573	0.1	376,664	377,984	0.4	25,497	24,589	-3.6
2005	406,653	406,620	*	381,172	381,198	*	25,481	25,422	-0.2
2006	419,015	na	-	393,138	na	-	25,877	na	-
Part-time enrollment									
1975 ^a	108,527	108,862	0.3	80,021	92,574	15.7	28,506	16,288	-42.9
1976	112,231	110,304	-1.7	81,925	92,791	13.3	30,306	17,513	-42.2
1977	124,776	118,636	-4.9	88,484	98,561	11.4	36,292	20,075	-44.7
1978 ^b	NA	116,882	-	94,394	96,599	2.3	NA	20,283	-
1979	131,936	125,818	-4.6	97,713	104,043	6.5	34,223	21,775	-36.4
1980	134,099	128,662	-4.1	103,057	107,287	4.1	31,042	21,375	-31.1
1981	138,606	133,081	-4.0	105,674	110,238	4.3	32,932	22,843	-30.6
1982	143,723	137,534	-4.3	109,738	113,688	3.6	33,985	23,846	-29.8
1983	149,764	138,415	-7.6	114,630	114,840	0.2	35,134	23,575	-32.9
1984	150,918	140,748	-6.7	116,622	114,273	-2.0	34,296	26,475	-22.8
1985	165,517	146,734	-11.3	121,386	119,833	-1.3	44,131	26,901	-39.0
1986	166,867	149,352	-10.5	124,223	121,983	-1.8	42,644	27,369	-35.8
1987	164,385	150,441	-8.5	123,819	122,849	-0.8	40,566	27,592	-32.0
1988	156,976	149,396	-4.8	123,298	123,949	0.5	33,678	25,447	-24.4
1989	154,364	151,830	-1.6	117,471	124,831	6.3	36,893	26,999	-26.8
1990	163,107	159,331	-2.3	123,143	130,782	6.2	39,964	28,549	-28.6
1991	167,022	164,202	-1.7	124,540	134,406	7.9	42,482	29,796	-29.9
1992	171,998	170,967	-0.6	128,039	139,725	9.1	43,959	31,242	-28.9
1993	176,429	174,660	-1.0	133,694	142,226	6.4	42,735	32,434	-24.1
1994	174,657	172,311	-1.3	133,516	141,356	5.9	41,141	30,955	-24.8
1995	171,275	170,357	-0.5	130,676	139,017	6.4	40,599	31,340	-22.8
1996	166,158	165,543	-0.4	127,045	134,901	6.2	39,113	30,642	-21.7
1997	160,262	159,919	-0.2	123,077	130,438	6.0	37,185	29,481	-20.7
1998	158,145	158,238	0.1	121,290	128,786	6.2	36,855	29,452	-20.1
1999	159,020	158,833	-0.1	123,191	129,238	4.9	35,829	29,595	-17.4
2000	152,473	152,028	-0.3	119,081	123,619	3.8	33,392	28,409	-14.9
2001	155,041	155,085	*	122,368	126,706	3.5	32,673	28,379	-13.1
2002	161,898	161,413	-0.3	129,447	132,034	2.0	32,451	29,379	-9.5
2003	168,825	169,701	0.5	135,463	137,969	1.8	33,362	31,732	-4.9

TABLE A-13. Graduate enrollment data as originally published and as modified through the fall 2006 graduate student survey cycle: 1975–2006

Year	All institutions			Doctorate-granting institutions			Master's-granting institutions		
	Original	Revised	% change	Original	Revised	% change	Original	Revised	% change
2004	172,173	171,890	-0.2	139,952	140,657	0.5	32,221	31,233	-3.1
2005	176,573	175,606	-0.5	146,595	145,850	-0.5	29,978	29,756	-0.7
2006	178,628	na	-	148,935	na	-	29,693	na	-

* = less than 0.05%; na = not applicable.

^a The 1976 survey also collected 1975 data from master's-granting institutions.

^b Master's-granting institutions were not surveyed in 1978; totals represent estimates based on 1977 and 1979 data.

NOTES: The % change column measures retroactive changes in survey definitions. Three survey changes in the late 1980s and early 1990s had a retroactive effect on figures reported for earlier years. (1) Before 1992, doctorate or master's degree-granting status was determined by an institution's status each year. Beginning in 1992, degree-granting status was determined by the status reported in the latest survey year. This change shifted numerous institutions (and students) from master's-granting to doctorate-granting categories for years before 1992. (2) In 1988, guidelines to determine science and engineering departments were tightened; thus, departments in fields such as educational psychology, social work, and cultural studies were retroactively dropped from the survey population. (3) Improved estimates were generated for 1984–87, in which enrollments at master's-granting institutions were sampled.

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

Appendix B. Survey Materials

- 2006 Graduate Student Survey
- 2006 Crosswalk

NATIONAL SCIENCE FOUNDATION
ARLINGTON, VA 22230

Dear Departmental Respondent:

The National Science Foundation (NSF) and National Institutes of Health (NIH) request your participation in their annual Survey of Graduate Students and Postdoctorates in Science and Engineering (graduate student survey). Your timely response will ensure that your department is accurately represented in data used by Federal and State decisionmakers. In addition, we hope you will find the data useful for comparisons with other institutions in your State or region. Also, since industrial firms use these data in preparing for employment recruiting visits, your participation in the survey provides valuable benefits to your graduates.

Your survey data must be returned to NSF on or before January 31, 2007. Because the graduate student survey is changing data collection contractors in mid-2007, all survey operations must be completed by that time. As a result, we have decided that institutions that do not submit their data by this deadline may not be included in the 2006 report.

If you do not use the Web system, please return your completed data sheet to your survey coordinator before January 31, 2007, so that it can be transmitted to NSF in time to meet the survey deadline.

Thank you for your efforts in providing timely and meaningful statistics to NSF and NIH.

Sincerely,



Lynda T. Carlson, Ph.D.
Division Director
Division of Science Resources Statistics
National Science Foundation

Sincerely,



Jennifer Sutton
NIH Research Training Officer
Research Training Office
Office of the Director
National Institutes of Health

NSF-NIH SURVEY OF GRADUATE STUDENTS AND POSTDOCTORATES IN SCIENCE AND ENGINEERING, FALL 2006

GENERAL INFORMATION AND INSTRUCTIONS FOR ITEMS 1–4

PURPOSE OF THE SURVEY

The survey provides a comprehensive picture of the training of future scientists and engineers in the Nation's graduate schools. Data are used by Congress and the executive branch during budget preparation and by State government agencies and other analysts to assess the future supply of science and engineering (S&E) personnel.

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended. All information provided will be used for statistical purposes only. Response is entirely voluntary, and failure to provide some or all of the information will in no way adversely affect your institution.

Survey results are made available in a variety of formats. A four-page *InfoBrief* and selected summary tables are published. All tables and reports are made available in various electronic formats on the Web (<http://www.nsf.gov/statistics/>). These results are also entered into the Web-Based Computer-Aided Science Policy Analysis and Research (WebCASPAR) database system. The URL for WebCASPAR is <http://caspar.nsf.gov/webcaspar>.

GENERAL INFORMATION

The data requested for the fall 2006 survey are essentially the same as those for the fall 2005 survey. When you return the survey Form 812 to your institution's survey coordinator, please keep a copy for your files. If you are returning your survey individually, please mail it to: NSF-NIH Graduate Student Survey, c/o ORC Macro, 7315 Wisconsin Avenue, Suite 400W, Bethesda, MD 20814-3202.

Please provide separate data sheets for (1) clinical psychology and (2) all other psychology departments or degree programs, due to special interest in the clinical area. Similarly, please submit separate data for degree programs in engineering, such as electrical engineering or mechanical engineering, and, likewise, separate data for degree programs in computer science and in mathematics.

If the data for 2006 vary significantly from those provided last year, please note the reasons for this change in the "Comments" sections that follow Items 5, 6 and 7, and 8.

Use only **whole** numbers, not decimals or fractions. When reporting data for Items 5, 6, 7, and 8, use headcounts, **not** full-time equivalents (FTEs).

Survey forms requiring mathematical corrections and/or verification for possible data inconsistencies are returned to departments for revision before they can be considered final. To avoid common mistakes found on the survey forms, please follow the survey instructions.

If you have any questions, please contact Jason Bauer of ORC Macro by telephone at (301) 657-3077, ext. 322. You may also contact him toll free at (866) 695-6275 or by e-mail at gss@bethesda.orcmacro.com.

Students Included in This Survey

- Count as graduate students degree-seeking persons enrolled in any S&E or health-related master's or Ph.D. program in fall 2006.
- Report M.D., D.D.S., D.O., D.P.T., D.V.M., Ed.D., or other professional degree candidates, interns, and residents in Items 5 through 7 **only** if they are concurrently working toward an S&E or health-related master's or Ph.D. degree or are enrolled in a joint medical/Ph.D. program.
- Individuals who already hold graduate or medical degrees and are working on another master's or Ph.D. degree are considered graduate students (Items 5 through 7), not postdoctorates (Item 8).
- Include S&E students performing thesis or dissertation research away from the campus (for example, at Government- and contractor-owned facilities) but in the United States, as long as they are enrolled for credit in an advanced-degree program.

Students Excluded From This Survey

Exclude students enrolled in a foreign country (at a branch or extension center) and non-matriculated students.

Students Enrolled in Multiple Departments/Institutions

A student should be reported in only **one** department. Students enrolled in interdisciplinary/interinstitutional programs should be counted only once, by their "home" department and institution.

Incomplete Data

Please write "unavailable" or "unknown" in data cells as applicable. On this form, "N/A" means "not applicable." Data cells left blank are presumed to be zeroes.

SUBMITTING YOUR DATA THROUGH THE WEB

The NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering continues to offer online reporting for departments. The online system allows you to upload your data via Microsoft Excel or enter your data manually online, computes totals for you, reports errors instantly, and gives you access to your previous year's data.

To access the Web survey, go to <http://www.gss2006.org>.

- Enter your departmental ID and password information (available from your school coordinator or ORC Macro).
- At the First Time User Information screen, you will be prompted to enter your name, phone number, and e-mail address.
- You will also be asked to change your assigned password to one that you choose.
- After providing this information, click on Continue to move to the Department Menu screen.

At the Department Menu screen you will notice that the questionnaire Items have been divided into four sections: Department Information, Race/Ethnicity and Gender (Items 6 and 7 on the paper survey), Mechanisms of Support (Item 5 on the paper survey), and Postdoctorates (Item 8 on the paper survey). To begin entering data, click on a submission icon.

For additional instructions on accessing the Web survey, please consult the online help documentation at <http://www.gss2006.org/gssweb/help/> or contact ORC Macro.

ITEMS 1–3: IDENTIFYING INFORMATION

Please provide the institution name, department or program name, and contact information for the person preparing this form.

ITEM 4: HIGHEST DEGREE GRANTED

Please provide the highest degree granted for the department or program.

ITEMS 1-4

NSF Form 812 Oct. 2006

NATIONAL SCIENCE FOUNDATION and NATIONAL INSTITUTES OF HEALTH
Survey of Graduate Students and Postdoctorates in Science and Engineering, Fall 2006

Form approved
OMB No. 3145-0062
Appr. Exp. 7/31/2008

Due date: January 31, 2007

DEPARTMENT OR PROGRAM DATA SHEET

IDENTIFYING INFORMATION (ITEMS 1-3)

ITEM 1. Institution name:

ITEM 2. Name of S&E department or program:

If changed since last year, please indicate previous name and whether this represents a merged, split, or expanded program:

ITEM 3. Person in department or program preparing this form:

Name: _____

Title: _____

Phone: (_____) _____

E-mail Address: _____

**Institution and
department code**

(LEAVE BLANK)

ITEM 4.

HIGHEST DEGREE GRANTED

For the purposes of this survey, departments of programs that do not offer graduate degrees (Ph.D. or master's) are considered "No Ph.D. or master's degree offered" programs, regardless of first professional or other degrees granted. "No Ph.D. or master's degree offered" programs should not report students, postdoctoral appointees, or any other individuals in Items 5, 6, and 7. Count individuals in a "No Ph.D. or master's degree offered" program only in Item 8 (see page 9) and only if they qualify as postdoctoral appointees or other non-faculty staff according to the definitions on pages 10 and 11.

Report the highest degree granted, even if there are no graduate students currently enrolled at that level. Include Ph.D. equivalents such as Sc.D. and D.Eng., but not Ed.D., M.D., or other professional degrees. Check "No Ph.D. or master's degree offered" only if your department or program does not offer a Ph.D. or master's degree and does have qualified postdoctoral appointees. Do not report persons seeking certificates or professional degrees.

What is the highest degree granted for this department or program? (CHECK ONE)

(1) Ph.D. (2) Master's (3) No Ph.D. or master's degree offered **If no Ph.D. or master's offered, do not report data in Items 5, 6, and 7. Instead, skip to Item 8 on page 9.**

If you prefer to enter your data on the Web, go to <http://www.gss2006.org>.

INSTRUCTIONS FOR ITEM 5

ITEM 5: FULL-TIME MECHANISMS OF SUPPORT

In Item 5, count only full-time degree-seeking persons enrolled in any S&E or health-related master's or Ph.D. program in fall 2006; this may include any combination of study, teaching, and research, depending on your institution's policy and definition of full-time status. For example, many institutions base full-time status on the number of credit hours taken; others calculate full-time status according to the amount of fees paid by the student.

Do not report any part-time students in Item 5. Count all part-time students in Item 6 only (see page 6).

Students receiving equal support from multiple sources or through multiple mechanisms should be reported only once. When determining the largest source of support, consider all graduate school academic expenses, including tuition, tuition remission, and stipends.

Report the total number of full-time degree-seeking persons enrolled in any S&E or health-related master's or Ph.D. program in fall 2006 on line (6), column (M). For lines (1) through (6), count each full-time student **only once** by **largest** source of support so that all columns and rows in Item 5 sum to the full-time total on line (6), column (M). The full-time total on Item 5, line (6), column (M) must equal the full-time total reported on Item 7, line (6), column (K).

Do not forget full-time, self-supported students, who should be reported in column (L). Self-supported students are supported primarily through loans, personal savings, and/or family contributions.

Mechanisms of Support—Lines (1) Through (5)

- A **fellowship**, line (1), is any competitive award (often from a national competition) made to a student that requires no work of the recipient.
- A **traineeship**, line (2), is an educational award given to a student selected by the institution.
- An **assistantship** should be classified as **research**, line (3), or **teaching**, line (4), depending on assigned duties; e.g., a student devoting most of his or her time to teaching should be reported on line (4).
- All other full-time students, including members of the Armed Forces whose tuition is paid by the Department of Defense and self-supported students, should be reported on line (5).

Federal Sources of Support—Columns (A) Through (H)

- **Department of Defense (DOD)—Column (A):** Sources include the Departments of the Army, Navy, or Air Force, as well as programs within the Office of the Secretary of Defense. Students receiving their main support from the Veterans Administration under the G.I. Bill should be reported under

column (H), "Other Federal sources."

- **Department of Health and Human Services (HHS)—Columns (B) and (C):** Report students with support from the institutes or divisions of the National Institutes of Health (NIH) under column (B); report support from all other components of HHS under column (C). Refer to the NIH organizational roster and list of other HHS administrative units, provided in the shaded box on this page.
- **National Science Foundation (NSF)—Column (D):** Report students receiving NSF graduate fellowships, as well as those supported under NSF research grants.
- **U.S. Department of Agriculture (USDA)—Column (E):** Include research assistants working on projects financed out of Hatch, McIntyre-Stennis, or Smith-Lever formula funds, competitive research grants, and institution fellowship/training grants.
- **National Aeronautics and Space Administration (NASA)—Column (F):** Report students with support from this agency.
- **Department of Energy (DOE)—Column (G):** Report students receiving support under DOE research grants, including those supported by grants at national laboratories.
- **Other Federal sources—Column (H):** Report students receiving support from Federal agencies other than those listed in columns (A) through (G), such as the Fulbright program, the G.I. Bill, and Department of Education programs. Students primarily supported by Federal loans should be reported in column (L), "Self-supported students."

Non-Federal Sources of Support—Columns (I) Through (L)

- **Institutional support—Column (I):** Report students supported by YOUR institution, including those receiving tuition waivers. State and local government support should also be reported in this column. Students primarily supported with funds from the Federal Government (e.g., training grants), however, should be reported under the appropriate Federal agency.
- **Foreign sources—Column (J):** Report students supported by any non-U.S. source, such as foreign governments, industrial firms, or specialized agencies of the United Nations.
- **Other U.S. sources—Column (K):** Report students supported by nonprofit institutions, private industry, and all other non-Federal U.S. sources not included in columns (I) or (J).
- **Self-supported students—Column (L):** Report both foreign and U.S. citizen students whose largest source of support comes from ANY loans (including Federal loans) or from personal or family financial contributions. **These students must be included in the full-time total, line (6), column (M).**

Full-Time Women—Line (7)

Report all full-time female students by source of primary support. The total number of full-time women should be reported on line (7), column (M). In each column, data on line (7) should not exceed the total on line (6).

The total number of full-time women on Item 5, line (7), column (M) must match the total number of full-time women on Item 7, line (5), column (K).

DEFINITION OF TERMS USED IN ITEM 5

NIH ORGANIZATIONAL ROSTER—Item 5, column (B)

Fogarty International Center
 National Cancer Institute
 National Center for Human Genome Research
 National Center for Nursing Research
 National Center for Research Resources
 National Eye Institute
 National Heart, Lung, and Blood Institute
 National Institute of Allergy and Infectious Diseases
 National Institute of Arthritis and Musculoskeletal and Skin Diseases
 National Institute of Child Health and Human Development
 National Institute of Dental Research
 National Institute of Diabetes and Digestive and Kidney Diseases
 National Institute of Environmental Health Sciences
 National Institute of General Medical Sciences
 National Institute of Mental Health
 National Institute of Neurological Disorders and Stroke
 National Institute on Aging
 National Institute on Alcohol Abuse and Alcoholism
 National Institute on Deafness and Other Communication Disorders
 National Institute on Drug Abuse
 National Library of Medicine

OTHER HHS ADMINISTRATIVE UNITS—Item 5, column (C)

Centers for Disease Control and Prevention
 National Institute for Occupational Safety and Health
 Food and Drug Administration
 Health Resources and Services Administration
 Substance Abuse and Mental Health Services Administration
 (Please note that the former Alcohol, Drug Abuse, and Mental Health Administration institutes are now part of NIH.)

ITEM 5

NOTE: Report all data on a headcount basis (use whole numbers, *not* fractions, decimals, FTEs, etc.). If your department does not enroll graduate students, please go to Item 8 on page 9.

ITEM 5. MECHANISMS OF SUPPORT		FULL-TIME GRADUATE STUDENTS RECEIVING FINANCIAL ASSISTANCE											SELF-SUPPORTED STUDENTS (including loans and family sources) (L)	TOTAL FULL-TIME GRADUATE ENROLLMENT (Sum of (A) through (L)) (M)
		FEDERAL SOURCES (excluding loans)								NON-FEDERAL SOURCES				
		Department of Defense (A)	HHS		National Science Foundation (D)	Department of Agriculture (E)	NASA (F)	Department of Energy (G)	Other Federal sources (H)	Institutional support (including State and local government) (I)	Foreign sources (J)	Other U.S. sources (K)		
			National Institutes of Health (B)	Other HHS (C)										
Line														
(1)	Graduate Fellowships													
(2)	Graduate Traineeships													
(3)	Graduate Research Assistantships													
(4)	Graduate Teaching Assistantships													
(5)	Other Types of Support													
(6)	FULL-TIME TOTAL¹													
(7)	Of the students on line (6), how many in each data cell are WOMEN? ²													

¹ The total from line (6) should be inserted on Item 7, line (6), column (K) on page 7.

² The total from line (7) should be inserted on Item 7, line (5), column (K) on page 7.

List other Federal sources (agencies) from Item 5, column (H) and the number of full-time students supported by each:

Please explain variances from the previous year's data for Item 5 or include other comments below:

INSTRUCTIONS FOR ITEMS 6 AND 7

ITEMS 6 AND 7: CITIZENSHIP AND RACIAL/ETHNIC BACKGROUND OF U.S. CITIZENS AND PERMANENT RESIDENTS

Report all U.S. citizens and permanent residents in columns (A) through (I), and count each student only once according to his or her racial/ethnic category as defined by the Office of Management and Budget (OMB). (OMB racial/ethnic categories are provided in the shaded box on this page.) In Items 6 and 7, column (C), count only U.S. citizens and permanent residents. Do not count Asian foreign nationals.

Count foreign students, i.e., students who are in this country on temporary visas, only **once** in column (J), regardless of race/ethnicity. **Students who are native residents of a U.S. possession or are permanent residents holding green cards should be included under U.S. citizens and permanent residents.**

Please record under the One Race Only: Non-Hispanic/Latino header, columns (A) through (E), those U.S. citizen or permanent resident students who have reported themselves in only one of the following categories: non-Hispanic Black/African American, non-Hispanic American Indian or Alaska Native, non-Hispanic Asian, non-Hispanic Native Hawaiian/Other Pacific Islander, or non-Hispanic White.

Under the header One Race Only: Hispanic/Latino, column (F), please record those U.S. citizens and permanent residents who have reported themselves as Hispanic/Latino and reported either no race or only one race (Black/African American, American Indian or Alaska Native, Asian, Native Hawaiian/Other Pacific Islander, or White).

If you allow students to report multiple races and they are U.S. citizens or permanent residents, please record them in columns (G) and (H). If students have reported themselves as Hispanic/Latino and in two or more of the racial categories, please

record them in column (G), More Than One Race Reported, Hispanic/Latino. Students who are non-Hispanic/Latino but reported in two or more racial categories should be recorded in column (H), More Than One Race Reported, non-Hispanic/Latino.

Record students who are U.S. citizens or permanent residents but have an unknown race or ethnicity in column (I).

Finally, record all students who are on temporary visas in column (J), regardless of their race or ethnicity.

ITEM 6: PART-TIME STUDENTS

Part-Time Men, Women, and Total—Lines (1) Through (3)

For Item 6, report ALL part-time students, regardless of their source of support. Part-time students are pursuing an S&E or health-related graduate degree but NOT on a full-time schedule. Consider students part time according to your institution's definition of part-time status.

ITEM 7: FULL-TIME STUDENTS

Full-Time Total—Line (6)

Total full-time enrollment reported on Item 7, line (6) should match that reported on Item 5, line (6).

First-Time Full-Time Students—Line (7)

A first-time student is one who has enrolled for credit at the INSTITUTION at which he or she is pursuing a degree for the first time at the beginning of the fall 2006 term. All other students should be considered to be beyond their first time of enrollment. The total number of first-time, full-time students on Item 7, line (7), column (K) should not be greater than the full-time total reported on Item 7, line (6), column (K).

First-Time Full-Time Women—Line (8)

The total number of first-time, full-time women reported on Item 7, line (8) should not be greater than the total for full-time women reported on Item 7, line (5), column (K).

DEFINITION OF TERMS USED IN ITEMS 6 AND 7

RACIAL/ETHNIC CATEGORIES FOR U.S. CITIZENS AND PERMANENT RESIDENTS, AS DEFINED BY OMB—Items 6 and 7

Black or African American: A person having origins in any of the black racial groups of Africa

American Indian or Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent; for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Samoa, Thailand, and Vietnam

Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, or other Pacific islands

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa

Hispanic or Latino: A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race

More Than One Race Reported: Students reporting two or more of the race/ethnicity categories listed above

ITEMS 6 AND 7

NOTE: Report all data on a headcount basis (use whole numbers, *not* fractions, decimals, FTEs, etc.). If your department does not enroll graduate students, please go to Item 8 on page 9.

ITEM 6. RACE/ ETHNICITY of PART- TIME graduate students in fall 2006, by sex	How many students belong to the following RACIAL/ETHNIC categories? In each line, count each student only once.		U.S. CITIZENS AND PERMANENT RESIDENTS									FOREIGN	TOTAL (Sum of (A) through (J)) (K)
			ONE RACE ONLY: Non-Hispanic/Latino					ONE RACE ONLY	MORE THAN ONE RACE		Unknown or did not state	Temporary visa holders	
			Black/ African American (A)	American Indian or Alaska Native (B)	Asian (C)	Native Hawaiian/ Pacific Islander (D)	White (E)	Hispanic/ Latino (F)	Hispanic/ Latino (G)	Non- Hispanic/ Latino (H)			
MEN ENROLLED PART TIME	(1)												
WOMEN ENROLLED PART TIME	(2)												
PART TIME, TOTAL	(3)												

ITEM 7.	MEN ENROLLED FULL TIME	(4)											
RACE/ ETHNICITY of FULL- TIME (Item 5) graduate students in fall 2006, by sex	WOMEN ENROLLED FULL TIME (Column (K) should equal Item 5, line (7), column (M) on page 5.)	(5)											
	FULL TIME, TOTAL (Column (K) should equal Item 5, line (6), column (M) on page 5.)	(6)											
	Of the full-time students on line (6), how many are FIRST TIME?	(7)											
	Of the first-time students on line (7), how many are WOMEN?	(8)											

Please explain variances from the previous year's data for Items 6 and 7 or include other comments below:

INSTRUCTIONS FOR ITEMS 8 and 9

ITEM 8. POSTDOCTORATES AND NON-FACULTY RESEARCH STAFF WITH DOCTORATES

Postdoctorates—Columns (A) Through (F)

Include all postdoctorates in S&E and health-related fields receiving research training through the department or program.

Use the following criteria to determine postdoctorate status:

- The appointee holds a Ph.D. or equivalent doctorate (e.g., Sc.D., M.D., D.D.S., D.O., D.V.M., or foreign degrees equivalent to U.S. doctorates).
- The doctorate was awarded recently, generally within the last 5 years.
- The appointment is for a limited term, the limit generally being 5–7 years.
- The appointment is primarily for the purpose of training in research or scholarship.
- The appointee works under the supervision of a senior scholar in a department or research unit affiliated with the university.

These postdoctorates may have different titles—do not include clinical fellows and those with appointments in residency training programs in medical and health professions unless research training under the supervision of a senior mentor is the primary purpose of the appointment.

Report postdoctorates by source of support in columns (A) through (D), with the total number of postdoctorates reported in column (E). Of this total, report the number who are foreign in column (F).

Foreign Postdoctorates—Column (F)

Include all postdoctorates who are in this country on temporary visas. Postdoctorates who are native residents of a U.S. possession or are permanent residents holding green cards should be included under U.S. citizens and permanent residents.

If you included postdoctorates who are part of your department or program but work in interdisciplinary research centers or other organized research units outside of the department or program,

please provide the names of those research centers or units in the space provided.

Other Non-Faculty Research Staff With Doctorates—Column (G)

Include all doctoral scientists and engineers who are involved principally in research activities but are not considered either postdoctoral appointees or members of the regular faculty. On line (2), report the number of women in each category. On line (3), report those postdoctorates and non-faculty research staff who hold first professional degrees in medical and related fields (M.D., D.D.S., D.O., or D.V.M.). Please note that in each column, data on lines (2) and (3) should not exceed the total on line (1).

ITEM 9: RESPONSE BURDEN

Please provide the number of person-hours required to complete this form. The average time required for questionnaire completion is 2 hours. Response burden comments should be directed to Suzanne Plimpton of NSF at (703) 292-7556.

ITEMS 8 AND 9

NOTE: Report all data on a headcount basis (use whole numbers, *not* fractions, decimals, FTEs, etc.).

ITEM 8. NUMBER OF POSTDOCTORATES AND NON-FACULTY RESEARCH STAFF WITH DOCTORATES IN S&E AND HEALTH-RELATED FIELDS in fall 2006		POSTDOCTORATES						Other non-faculty research staff with doctorates (G)
		SOURCE OF SUPPORT				TOTAL for all sources (A) through (D) (E)	Of the total in (E), how many are FOREIGN? (F)	
		FEDERAL			NON-FEDERAL (D)			
		Fellowships (A)	Traineeships (B)	Research grants (C)				
TOTAL	(1)							
Of the total in each cell of line (1), how many are WOMEN?	(2)							
Of the total in each cell of line (1), how many hold an M.D., D.O., D.D.S., or D.V.M. degree?	(3)							

If you included postdoctorates who are part of your department or program but work in interdisciplinary research centers or other organized research units outside of the department or program, please provide the names of those research centers or units below:

Please explain variances from the previous year's data for Item 8 or include other comments below:

ITEM 9. RESPONSE BURDEN: Approximately how many person-hours were required to complete this form?	
--	--

UPON COMPLETING THIS FORM, PLEASE RETURN IT TO YOUR SURVEY COORDINATOR FOR TRANSMITTAL BY JANUARY 31, 2007.

GLOSSARY OF TERMS

Assistantship, Research (Item 5)—A research assistantship is a financial award given to a graduate student who is assigned primarily to research assistant activities.

Assistantship, Teaching (Item 5)—A teaching assistantship is a financial award given to a graduate student who is assigned primarily to teaching assistant activities.

Degree Level (Item 4)—Degree level refers to the type of graduate degree granted by each department or program. Survey respondents may select: “Ph.D.,” “Master’s,” or “No Ph.D. or master’s degree offered” (i.e., a non-degree program). Ph.D. equivalent degrees such as Sc.D. and D.Eng. are also included, but Ed.D., M.D., and other professional degrees are not.

Federal Sources of Support (Item 5)—Federal sources of support consist of all agencies, offices, and departments of the U.S. Federal Government, including the Department of Defense, the Department of Energy, the National Institutes of Health, the Department of Health and Human Services, NSF, the U.S. Department of Agriculture, and the National Aeronautics and Space Administration, as well as all other Federal entities.

Students whose primary source of support comes from federally guaranteed student loans are not considered to be federally supported, but are instead counted as self-supported in the graduate student survey.

Fellowship (Item 5)—A fellowship is any competitive award (often from a national competition) given to a student that requires no work of the recipient. See **Traineeship** for more information.

First-Time Full-Time Graduate Student (Item 7)—First-time full-time graduate students are those students who are enrolled for credit at the institution at which they are pursuing a degree for the first time at the beginning of the fall term. All other students should be considered to be beyond their first time of enrollment.

Foreign Sources of Support (Item 5)—Foreign sources of support are any non-U.S. funding sources, such as foreign governments, industrial firms, or specialized agencies of the United Nations.

Foreign Students and U.S. Citizens (Items 6 and 7)—For the purposes of the graduate student survey, a student holding a temporary visa is counted as “foreign,” regardless of his or her race/ethnicity. U.S. citizens and permanent residents are reported according to their racial/ethnic category as defined by the U.S. Census Bureau. The definition of U.S. citizens and permanent residents includes native residents of a U.S. possession and applicants for U.S. citizenship holding green cards. See **Race/Ethnicity** for more information.

Full-Time Graduate Student (Items 5 and 7)—A graduate student is classified as full time according to each individual institution’s policy on and definition of full-time status and may include any combination of study, teaching, and research. For example, many institutions base full-time status on the number of credit hours taken; others calculate full-time status according to the amount of fees paid by the student.

Highest Degree Granted (Item 4)—Highest degree granted refers to the highest degree granted in the surveyed department or program. Survey respondents may select: “Ph.D.,” “Master’s,” or “No Ph.D. or master’s degree offered.” See **Non-Degree Program** for more information.

Institutional Support (Item 5)—Students with institutional support receive their largest source of financial support through institutional funds. This category includes students receiving tuition waivers. State and local government support is also reported as institutional support.

Non-Degree Program (Item 4)—For the purposes of the graduate student survey, departments or programs that do not offer graduate degrees (i.e., master’s or Ph.D.) are considered non-degree programs, even if they grant a first professional doctorate. Non-degree programs should report only postdoctoral appointees and non-faculty research staff with doctorates.

Other Non-Faculty Research Staff With Doctorates (Item 8)—This category includes all doctorate-holding scientists and engineers who are involved principally in science and engineering or health-related research activities, but who are not considered either postdoctoral appointees or members of the regular faculty.

Other U.S. Sources of Support (Item 5)—This category includes support by industrial firms, nonprofit institutions (e.g., independent research institutes, professional societies, philanthropic foundations), and all other sources of support originating within the United States. It does not, however, include loans, family money, personal savings used by students supporting themselves, or Federal or institutional sources of support. Students supported primarily by foreign industrial firms, as well as by foreign governments, are reported under foreign sources of support.

Part-Time Graduate Student (Item 6)—Part-time graduate students pursue a science and engineering or health-related graduate degree, but not on a full-time schedule, as defined by the institution. They are reported as part time based on each individual institution’s definition of part-time status.

Postdoctorate (Item 8)—Postdoctorates are individuals who have science and engineering or health-related Ph.D.’s, M.D.’s, D.O.’s, D.D.S.’s, or D.V.M.’s (including foreign degrees equivalent to U.S. doctorates) and devote their primary effort to their own research training through research activities or study in the department, under temporary appointments carrying no academic rank. These individuals may contribute to the academic program through seminars or lectures or by working with graduate students. They are not graduate students.

Primary Source of Support (Item 5)—Students are reported only once by their largest or primary source of support for the fall semester. If a student is supported by multiple sources, he or she is not counted separately for each source but is instead counted only once by the largest source of support.

Race/Ethnicity (Items 6 and 7)—The Office of Management and Budget definitions of race/ethnicity used in the graduate student survey are as follows:

- Black or African American—A person having origins in any of the black racial groups of Africa
- American Indian or Alaska Native—A person having origins in any of the original peoples of North and South America (including Central America) and who maintains tribal affiliation or community attachment
- Asian—A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Samoa, Thailand, and Vietnam
- Native Hawaiian or Other Pacific Islander—A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands
- White—A person having origins in any of the original peoples of Europe, the Middle East, or North Africa
- Hispanic—A person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin, regardless of race
- More Than One Race Reported—Students reporting two or more of the race/ethnicity categories listed above

See **Foreign Students and U.S. Citizens** for more information.

Self-Supported Student (Item 5)—Self-supported students are those whose largest source of support comes from loans (including Federal loans) or from personal or family financial contributions.

Traineeship (Item 5)—A traineeship is an educational award given to a student selected by the institution. See **Fellowship** for more information.

THANK YOU

Please return completed questionnaires by January 31, 2007, to:

NSF-NIH Graduate Student Survey
c/o ORC Macro
7315 Wisconsin Avenue, Suite 400W
Bethesda, MD 20814-3202

Or submit them via the graduate student survey Web system at:

<http://www.gss2006.org>.

Questions?

Contact Jason Bauer at (301) 657-3077, ext. 322 or toll free at (866) 695-6275.

Or e-mail him at gss@bethesda.orcmacro.com.



Survey of Graduate Students and Postdoctorates in Science and Engineering
2006 CROSSWALK BETWEEN NSF DISCIPLINE CODES AND
THE 1990 NCES CLASSIFICATION OF INSTRUCTIONAL PROGRAMS

The following set of discipline codes categorizes the science and engineering departments or programs in the Survey of Graduate Students and Postdoctorates in Science and Engineering. Representative department names are shown under each of the discipline codes.

ENGINEERING

- 101 AEROSPACE ENGINEERING**
14.02 AEROSPACE, AERONAUTICAL, AND ASTRONAUTICAL ENGR.
- 102 AGRICULTURAL ENGINEERING**
14.03 AGRICULTURAL ENGINEERING
- 103 BIOMEDICAL ENGINEERING**
14.05 BIOENGINEERING AND BIOMEDICAL ENGINEERING
- 104 CHEMICAL ENGINEERING**
03.0509 WOOD SCIENCE
14.07 CHEMICAL ENGINEERING
14.32 POLYMER/PLASTICS ENGINEERING
- 105 CIVIL ENGINEERING**
04.02 ARCHITECTURE
14.04 ARCHITECTURAL ENGINEERING
14.08 CIVIL ENGINEERING
14.0803 STRUCTURAL ENGINEERING
14.0805 WATER RESOURCES ENGINEERING
14.14 ENVIRONMENTAL/ENVIRONMENTAL HEALTH ENGINEERING
- 106 ELECTRICAL ENGINEERING**
14.09 COMPUTER ENGINEERING
14.10 ELECTRICAL, ELECTRONICS, AND COMMUNICATIONS ENGR.
- 107 ENGINEERING SCIENCE AND ENGINEERING PHYSICS**
14.12 ENGINEERING PHYSICS
14.13 ENGINEERING SCIENCE
- 108 INDUSTRIAL/MANUFACTURING ENGINEERING**
14.17 INDUSTRIAL/MANUFACTURING ENGINEERING
14.27 SYSTEMS ENGINEERING
14.30 ENGINEERING/INDUSTRIAL MANAGEMENT
30.06 SYSTEMS SCIENCE
- 109 MECHANICAL ENGINEERING**
14.11 ENGINEERING MECHANICS
14.19 MECHANICAL ENGINEERING
- 110 METALLURGICAL AND MATERIALS ENGINEERING**
14.06 CERAMIC SCIENCES AND ENGINEERING
14.18 MATERIALS ENGINEERING
14.20 METALLURGICAL ENGINEERING
14.28 TEXTILE SCIENCES AND ENGINEERING
14.31 MATERIALS SCIENCE
40.0701 METALLURGY
- 111 MINING ENGINEERING**
14.15 GEOLOGICAL ENGINEERING
14.16 GEOPHYSICAL ENGINEERING
14.21 MINING AND MINERAL ENGINEERING
- 112 NUCLEAR ENGINEERING**
14.23 NUCLEAR ENGINEERING
- 113 PETROLEUM ENGINEERING**
14.25 PETROLEUM ENGINEERING
- 114 ENGINEERING, N.E.C.**
14.01 ENGINEERING, GENERAL
14.22 NAVAL ARCHITECTURE AND MARINE ENGINEERING
14.24 OCEAN ENGINEERING
14.29 ENGINEERING DESIGN
14.99 ENGINEERING, OTHER

PHYSICAL SCIENCES

- 201 ASTRONOMY**
40.02 ASTRONOMY
40.03 ASTROPHYSICS
- 202 CHEMISTRY**
40.05 CHEMISTRY (SEE ALSO 602)
40.0507 POLYMER CHEMISTRY
- 203 PHYSICS**
40.08 PHYSICS (SEE ALSO 605)
40.0807 OPTICS
40.0809 ACOUSTICS
- 204 PHYSICAL SCIENCES, N.E.C.**
40.01 PHYSICAL SCIENCES, GENERAL
40.0799 MISCELLANEOUS PHYSICAL SCIENCES, OTHER
40.99 PHYSICAL SCIENCES, OTHER

EARTH, ATMOSPHERIC, AND OCEAN SCIENCES

- 301 ATMOSPHERIC SCIENCES**
40.04 ATMOSPHERIC SCIENCES AND METEOROLOGY
- 302 GEOSCIENCES**
40.06 GEOLOGICAL AND RELATED SCIENCES
40.0703 EARTH AND PLANETARY SCIENCES
- 303 OCEAN SCIENCES**
26.0607 MARINE/AQUATIC BIOLOGY
40.0702 OCEANOGRAPHY
- 304 EARTH, ATMOSPHERIC, AND OCEAN SCIENCES, N.E.C.**

MATHEMATICAL SCIENCES

- 402 MATHEMATICS AND APPLIED MATHEMATICS**
27.01 MATHEMATICS
27.03 APPLIED MATHEMATICS
27.0302 OPERATIONS RESEARCH
27.99 MATHEMATICS, OTHER
30.08 MATHEMATICS AND COMPUTER SCIENCE
- 403 STATISTICS**
27.05 MATHEMATICAL STATISTICS
52.0802 ACTUARIAL SCIENCE

COMPUTER SCIENCE

- 401 COMPUTER SCIENCE**
11.01 COMPUTER AND INFORMATION SCIENCES, GENERAL
11.04 INFORMATION SCIENCES AND SYSTEMS
11.07 COMPUTER SCIENCE
52.1201 MANAGEMENT INFORMATION SYSTEMS
52.1301 MANAGEMENT SCIENCE

AGRICULTURAL SCIENCES

- 501 AGRICULTURAL SCIENCES (SEE ALSO 102 AND 901)**
02.01 AGRICULTURE/AGRICULTURAL SCIENCES
02.02 ANIMAL SCIENCES
02.03 FOOD SCIENCES
02.04 PLANT SCIENCES
02.05 SOIL SCIENCES
02.99 AGRICULTURAL SCIENCES, OTHER
03.01 NATURAL RESOURCES CONSERVATION
03.02 CONSERVATION AND REGULATION
03.03 FISHING AND FISHERIES SCIENCES AND MANAGEMENT
03.05 FORESTRY AND RELATED SCIENCES
03.06 WILDLIFE AND WILDLANDS MANAGEMENT
03.99 CONSERVATION AND RENEWABLE NATURAL RESOURCES, OTHER

BIOLOGICAL SCIENCES

- 601 ANATOMY**
26.0601 ANATOMY
51.1301 MEDICAL ANATOMY
- 602 BIOCHEMISTRY**
26.0202 BIOCHEMISTRY
51.1302 MEDICAL BIOCHEMISTRY
- 603 BIOLOGY**
26.01 BIOLOGY, GENERAL
- 604 BIOMETRY AND EPIDEMIOLOGY**
26.0614 BIOMETRICS
26.0615 BIOSTATISTICS
51.1303 MEDICAL BIOMATHEMATICS AND BIOMETRICS
51.2203 EPIDEMIOLOGY
- 605 BIOPHYSICS**
26.0203 BIOPHYSICS
51.1304 MEDICAL BIOPHYSICS/PHYSICS
- 606 BOTANY**
26.03 BOTANY
(EXCLUDING 26.05 MICROBIOLOGY/BACTERIOLOGY—SEE 611)
26.0305 PLANT PATHOLOGY
26.0307 PLANT PHYSIOLOGY
- 607 CELL AND MOLECULAR BIOLOGY**
26.0204 MOLECULAR BIOLOGY
26.04 CELL AND MOLECULAR BIOLOGY
26.0401 CELL BIOLOGY
51.1305 MEDICAL CELL BIOLOGY
51.1309 MEDICAL MOLECULAR BIOLOGY

- 608 ECOLOGY**
26.0603 ECOLOGY
- 609 ENTOMOLOGY AND PARASITOLOGY**
26.0610 PARASITOLOGY
26.0702 ENTOMOLOGY
- 610 GENETICS**
26.0613 GENETICS, PLANT AND ANIMAL
26.0617 EVOLUTIONARY BIOLOGY
51.1306 MEDICAL GENETICS
- 611 MICROBIOLOGY, IMMUNOLOGY, AND VIROLOGY**
26.05 MICROBIOLOGY/BACTERIOLOGY
26.0618 BIOLOGICAL IMMUNOLOGY
26.0619 VIROLOGY
51.1308 MEDICAL MICROBIOLOGY
- 612 NUTRITION**
19.05 FOODS AND NUTRITION STUDIES
26.0609 NUTRITIONAL SCIENCES
51.1311 MEDICAL NUTRITION
- 613 PATHOLOGY**
26.0704 PATHOLOGY, HUMAN AND ANIMAL
51.1312 MEDICAL PATHOLOGY
- 614 PHARMACOLOGY**
26.0612 TOXICOLOGY
26.0705 PHARMACOLOGY, HUMAN AND ANIMAL
51.1314 MEDICAL TOXICOLOGY
- 615 PHYSIOLOGY**
26.0706 PHYSIOLOGY, HUMAN AND ANIMAL
51.1313 MEDICAL PHYSIOLOGY
- 616 ZOOLOGY**
26.07 ZOOLOGY (EXCEPT 26.0702, ENTOMOLOGY—SEE 609, AND 26.0705, PHARMACOLOGY, HUMAN AND ANIMAL—SEE 614)
- 617 BIOSCIENCES, N.E.C.**
26.0616 BIOTECHNOLOGY RESEARCH
26.0699 MISCELLANEOUS BIOLOGICAL SPECIALIZATIONS, OTHER
26.99 BIOLOGICAL SCIENCES/LIFE SCIENCES, OTHER
30.01 BIOLOGICAL AND PHYSICAL SCIENCES
30.10 BIOPSYCHOLOGY

PSYCHOLOGY

- 801 PSYCHOLOGY, COMBINED**
42.01 PSYCHOLOGY, GENERAL
- 802 PSYCHOLOGY, EXCEPT CLINICAL**
42.03 COGNITIVE PSYCHOLOGY AND PSYCHOLINGUISTICS
42.04 COMMUNITY PSYCHOLOGY
42.07 DEVELOPMENTAL AND CHILD PSYCHOLOGY
42.08 EXPERIMENTAL PSYCHOLOGY
42.09 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY
42.11 PHYSIOLOGICAL PSYCHOLOGY/PSYCHOBIOLOGY
42.16 SOCIAL PSYCHOLOGY
42.17 SCHOOL PSYCHOLOGY
42.99 PSYCHOLOGY, OTHER
51.2301 ART THERAPY
51.2303 HYPNOTHERAPY
51.2705 PSYCHOANALYSIS

- 803 CLINICAL PSYCHOLOGY**
42.02 CLINICAL PSYCHOLOGY

SOCIAL SCIENCES

- 901 AGRICULTURAL ECONOMICS**
01.0101 AGRICULTURAL BUSINESS AND MANAGEMENT, GENERAL
01.0102 AGRICULTURAL BUSINESS/AGRIBUSINESS OPERATIONS
01.0103 AGRICULTURAL ECONOMICS
- 902 ANTHROPOLOGY (CULTURAL AND SOCIAL)**
45.02 ANTHROPOLOGY
45.03 ARCHAEOLOGY
- 903 ECONOMICS**
45.06 ECONOMICS
52.06 BUSINESS/MANAGERIAL ECONOMICS
- 904 GEOGRAPHY**
45.0701 GEOGRAPHY
45.0702 CARTOGRAPHY
- 905 HISTORY AND PHILOSOPHY OF SCIENCE**
45.0804 HISTORY AND PHILOSOPHY OF SCIENCE
- 906 LINGUISTICS**
16.0102 LINGUISTICS
- 907 POLITICAL SCIENCE/PUBLIC ADMINISTRATION**
44.04 PUBLIC ADMINISTRATION
44.05 PUBLIC POLICY ANALYSIS
44.99 PUBLIC ADMINISTRATION AND SERVICES, OTHER
45.09 INTERNATIONAL RELATIONS AND AFFAIRS
45.10 POLITICAL SCIENCE AND GOVERNMENT

- 908 SOCIOLOGY**
45.05 DEMOGRAPHY AND POPULATION STUDIES
45.11 SOCIOLOGY

909 SOCIOLOGY/ANTHROPOLOGY

- 910 SOCIAL SCIENCES, N.E.C.**
04.03 CITY/URBAN, COMMUNITY, AND REGIONAL PLANNING
04.07 ARCHITECTURAL URBAN DESIGN AND PLANNING
05 AREA, ETHNIC, AND CULTURAL STUDIES
30.11 GERONTOLOGY
43.01 CRIMINAL JUSTICE AND CORRECTIONS
44.02 COMMUNITY ORGANIZATION, RESOURCES, AND SERVICES
45.01 SOCIAL SCIENCES, GENERAL
45.04 CRIMINOLOGY
45.12 URBAN AFFAIRS/STUDIES
45.99 SOCIAL SCIENCES, OTHER

HEALTH FIELDS (SEE ALSO 103)

- 701 ANESTHESIOLOGY**
51.1604 NURSING ANESTHETIST (POST-R.N.)
- 702 CARDIOLOGY**
- 703 ONCOLOGY/CANCER RESEARCH**
- 704 ENDOCRINOLOGY**
- 705 GASTROENTEROLOGY**
- 706 HEMATOLOGY**
- 707 NEUROLOGY**
26.0608 NEUROSCIENCE
- 708 OBSTETRICS AND GYNECOLOGY**
- 709 OPHTHALMOLOGY**
51.1701 OPTOMETRY (O.D.)
- 710 OTORHINOLARYNGOLOGY**
- 711 PEDIATRICS**
- 712 PREVENTIVE MEDICINE AND COMMUNITY HEALTH**
51.22 PUBLIC HEALTH
51.2202 ENVIRONMENTAL HEALTH
- 713 PSYCHIATRY**
51.1610 NURSING, PSYCHIATRY/MENTAL HEALTH (POST-R.N.)
- 714 PULMONARY DISEASE**
- 715 RADIOLOGY**
26.0611 RADIATION BIOLOGY/RADIOBIOLOGY
- 716 SURGERY**
- 717 CLINICAL MEDICINE, N.E.C.**
51.1399 MEDICAL BASIC SCIENCES, OTHER
51.1201 MEDICINE (M.D.)
51.14 MEDICAL CLINICAL SCIENCES (M.S., Ph.D.)
51.19 OSTEOPATHIC MEDICINE (D.O.)
51.21 PODIATRY (D.P.M., D.P., Pod.D.)
- 718 DENTAL SCIENCES**
51.04 DENTISTRY (D.D.S., D.M.D.)
51.05 DENTAL CLINICAL SCIENCES/GRAD. DENTISTRY (M.S., Ph.D.)
- 719 NURSING**
51.16 NURSING
(EXCLUDING 51.1610, NURSING, PSYCHIATRY/MENTAL HEALTH—SEE 713, AND 51.1604 NURSING ANESTHETIST—SEE 701)
- 720 PHARMACEUTICAL SCIENCES**
51.20 PHARMACY
- 721 VETERINARY SCIENCES**
51.24 VETERINARY MEDICINE (D.V.M.)
51.25 VETERINARY CLINICAL SCIENCES (M.S., Ph.D.)
- 722 HEALTH-RELATED, N.E.C.**
31.0505 EXERCISE SCIENCE/PHYSIOLOGY AND MOVEMENT STUDIES
51.2306 OCCUPATIONAL THERAPY
51.2308 PHYSICAL THERAPY
51.2399 REHABILITATION/THERAPEUTIC SERVICES, OTHER
51.2704 NATUROPATHIC MEDICINE
51.99 HEALTH PROFESSIONS AND RELATED SCIENCES, OTHER
- 723 COMMUNICATION DISORDERS SCIENCES**
51.02 COMMUNICATION DISORDERS SCIENCES AND SERVICES
51.0201 COMMUNICATION DISORDERS, GENERAL
51.0202 AUDIOLOGY/HEARING SCIENCES
51.0203 SPEECH-LANGUAGE PATHOLOGY
51.0204 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

N.E.C. = not elsewhere classified

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