

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1997–2004

Field and primary mechanism of support	1997	1998	1999	2000	2001	2002	2003	2004
All surveyed fields	327,289	327,389	334,423	341,283	354,522	379,007	397,384	402,161
Fellowships	28,956	29,106	30,112	31,330	32,270	34,851	34,460	35,188
Research assistantships	88,001	88,097	91,279	94,323	99,923	108,208	114,256	114,884
Teaching assistantships	65,425	65,173	66,294	66,423	68,267	70,732	73,105	72,913
Traineeships	14,488	14,946	14,707	14,171	14,086	14,925	15,097	14,834
Other support	130,419	130,067	132,031	135,036	139,976	150,291	160,466	164,342
Self-support	108,741	108,224	109,416	112,432	116,636	126,645	134,694	137,234
Other support	21,678	21,843	22,615	22,604	23,340	23,646	25,772	27,108
Science and engineering	280,669	278,943	283,893	291,355	304,021	325,517	339,028	340,615
Fellowships	26,478	26,575	27,377	28,415	29,677	32,084	31,780	32,355
Research assistantships	83,105	83,053	85,866	88,449	93,638	101,576	107,294	107,748
Teaching assistantships	62,258	61,974	63,198	63,328	64,976	67,242	69,476	69,104
Traineeships	9,670	9,841	9,505	9,554	9,197	9,771	10,140	9,820
Other support	99,158	97,500	97,947	101,609	106,533	114,844	120,338	121,588
Self-support	81,520	79,988	80,479	84,299	88,293	96,585	100,702	101,075
Other support	17,638	17,512	17,468	17,310	18,240	18,259	19,636	20,513
Science	214,981	213,508	215,870	219,079	226,573	240,065	248,812	253,570
Fellowships	20,673	20,974	21,278	22,051	23,210	25,065	24,514	25,088
Research assistantships	56,190	55,669	57,197	57,762	61,465	66,434	69,965	71,621
Teaching assistantships	52,105	51,892	52,496	52,273	53,093	54,679	56,945	56,910
Traineeships	8,791	8,963	8,737	8,786	8,414	8,819	9,084	8,853
Other support	77,222	76,010	76,162	78,207	80,391	85,068	88,304	91,098
Self-support	64,489	63,237	63,149	65,386	66,786	71,680	74,327	76,033
Other support	12,733	12,773	13,013	12,821	13,605	13,388	13,977	15,065
Agricultural sciences	9,362	9,199	9,371	9,357	9,405	9,685	10,003	10,040
Fellowships	477	486	474	450	520	520	568	599
Research assistantships	5,250	5,091	5,219	5,279	5,432	5,612	5,823	5,881
Teaching assistantships	1,007	1,062	1,192	1,223	1,203	1,178	1,169	1,216
Traineeships	129	115	95	86	84	73	52	74
Other support	2,499	2,445	2,391	2,319	2,166	2,302	2,391	2,270
Self-support	2,121	1,990	1,933	1,838	1,804	1,871	1,965	1,871
Other support	378	455	458	481	362	431	426	399
Biological sciences	46,657	46,779	46,946	46,787	48,138	51,596	54,350	55,819
Fellowships	5,455	5,617	5,789	5,747	6,147	6,431	6,477	6,785
Research assistantships	18,420	18,171	18,308	18,564	19,410	21,206	22,706	23,786
Teaching assistantships	9,123	9,083	8,727	8,619	8,639	8,903	9,145	8,861
Traineeships	5,060	5,204	5,283	5,177	4,941	5,321	5,620	5,523
Other support	8,599	8,704	8,839	8,680	9,001	9,735	10,402	10,864
Self-support	6,699	6,756	6,829	6,602	6,636	7,324	7,813	7,972
Other support	1,900	1,948	2,010	2,078	2,365	2,411	2,589	2,892
Computer sciences	18,335	19,972	22,687	26,558	30,087	32,579	30,708	29,281
Fellowships	942	1,011	1,006	1,198	1,114	1,480	1,387	1,416
Research assistantships	4,043	4,300	4,895	5,302	6,407	7,153	7,500	7,169
Teaching assistantships	3,643	3,798	4,366	4,602	5,130	5,367	5,029	4,800
Traineeships	224	219	212	263	248	279	332	287
Other support	9,483	10,644	12,208	15,193	17,188	18,300	16,460	15,609
Self-support	8,066	9,146	10,776	13,139	14,939	16,176	14,178	13,371
Other support	1,417	1,498	1,432	2,054	2,249	2,124	2,282	2,238
Earth, atmospheric, and ocean sciences	10,510	10,444	10,484	10,558	10,504	11,116	11,497	11,685
Fellowships	814	922	930	1,046	1,065	1,118	1,175	1,227
Research assistantships	4,276	4,108	4,249	4,235	4,173	4,532	4,597	4,830
Teaching assistantships	2,648	2,559	2,612	2,528	2,562	2,685	2,810	2,691
Traineeships	92	114	109	98	97	98	115	122
Other support	2,680	2,741	2,584	2,651	2,607	2,683	2,800	2,815
Self-support	2,120	2,184	1,924	2,041	2,014	2,079	2,226	2,209

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1997–2004

Field and primary mechanism of support	1997	1998	1999	2000	2001	2002	2003	2004
Other support	560	557	660	610	593	604	574	606
Mathematical sciences	12,144	11,751	11,796	11,740	12,467	13,709	14,627	14,881
Fellowships	1,206	1,104	1,035	1,295	1,397	1,424	1,382	1,353
Research assistantships	1,389	1,215	1,269	1,250	1,422	1,736	1,810	1,928
Teaching assistantships	6,699	6,566	6,767	6,805	6,997	7,429	7,923	8,002
Traineeships	179	164	112	122	105	124	123	108
Other support	2,671	2,702	2,613	2,268	2,546	2,996	3,389	3,490
Self-support	2,032	1,965	1,987	1,747	2,027	2,431	2,777	2,804
Other support	639	737	626	521	519	565	612	686
Physical sciences	26,882	26,391	26,635	26,492	27,179	28,619	30,441	31,686
Fellowships	2,151	2,113	2,199	2,260	2,371	2,665	2,514	2,758
Research assistantships	11,282	11,046	11,270	11,097	11,826	12,651	13,527	13,897
Teaching assistantships	10,890	10,880	10,866	10,664	10,575	10,761	11,818	12,279
Traineeships	531	482	383	464	437	421	364	368
Other support	2,028	1,870	1,917	2,007	1,970	2,121	2,218	2,384
Self-support	1,437	1,315	1,352	1,516	1,415	1,598	1,623	1,674
Other support	591	555	565	491	555	523	595	710
Psychology	35,551	35,148	34,658	34,919	34,487	34,707	35,774	37,805
Fellowships	2,145	2,337	2,478	2,375	2,307	2,295	2,299	2,359
Research assistantships	4,790	4,762	4,795	4,710	4,979	5,370	5,584	5,973
Teaching assistantships	6,162	5,976	6,032	5,796	5,645	5,818	6,081	5,889
Traineeships	1,067	1,113	1,022	1,228	1,302	1,246	1,184	918
Other support	21,387	20,960	20,331	20,810	20,254	19,978	20,626	22,666
Self-support	18,132	17,611	16,797	17,782	16,900	16,732	17,597	19,218
Other support	3,255	3,349	3,534	3,028	3,354	3,246	3,029	3,448
Social sciences	55,540	53,824	53,293	52,668	54,306	58,054	61,412	62,373
Fellowships	7,483	7,384	7,367	7,680	8,289	9,132	8,712	8,591
Research assistantships	6,740	6,976	7,192	7,325	7,816	8,174	8,418	8,157
Teaching assistantships	11,933	11,968	11,934	12,036	12,342	12,538	12,970	13,172
Traineeships	1,509	1,552	1,521	1,348	1,200	1,257	1,294	1,453
Other support	27,875	25,944	25,279	24,279	24,659	26,953	30,018	31,000
Self-support	23,882	22,270	21,551	20,721	21,051	23,469	26,148	26,914
Other support	3,993	3,674	3,728	3,558	3,608	3,484	3,870	4,086
Engineering	65,688	65,435	68,023	72,276	77,448	85,452	90,216	87,045
Fellowships	5,805	5,601	6,099	6,364	6,467	7,019	7,266	7,267
Research assistantships	26,915	27,384	28,669	30,687	32,173	35,142	37,329	36,127
Teaching assistantships	10,153	10,082	10,702	11,055	11,883	12,563	12,531	12,194
Traineeships	879	878	768	768	783	952	1,056	967
Other support	21,936	21,490	21,785	23,402	26,142	29,776	32,034	30,490
Self-support	17,031	16,751	17,330	18,913	21,507	24,905	26,375	25,042
Other support	4,905	4,739	4,455	4,489	4,635	4,871	5,659	5,448
Chemical engineering	5,821	5,630	5,593	5,861	5,829	6,279	6,414	6,379
Fellowships	838	728	836	794	760	832	837	692
Research assistantships	2,991	2,900	2,944	3,076	3,154	3,464	3,603	3,753
Teaching assistantships	923	898	964	951	850	894	851	789
Traineeships	94	97	65	85	53	71	73	102
Other support	975	1,007	784	955	1,012	1,018	1,050	1,043
Self-support	787	856	656	809	801	774	824	797
Other support	188	151	128	146	211	244	226	246
Civil engineering	11,406	11,154	11,237	11,754	12,102	12,981	13,710	13,587
Fellowships	876	828	869	924	1,009	1,074	1,115	1,095
Research assistantships	3,983	3,871	4,086	4,636	4,533	4,781	5,033	4,888
Teaching assistantships	1,772	1,755	1,789	1,868	1,876	1,952	2,011	2,087
Traineeships	191	191	197	117	156	210	196	152
Other support	4,584	4,509	4,296	4,209	4,528	4,964	5,355	5,365

TABLE 24. Full-time graduate students in science, engineering, and health fields in all institutions, by field and primary mechanism of support: 1997–2004

Field and primary mechanism of support	1997	1998	1999	2000	2001	2002	2003	2004
Self-support	3,763	3,760	3,585	3,522	3,703	4,121	4,489	4,530
Other support	821	749	711	687	825	843	866	835
Electrical engineering	18,999	19,608	20,521	22,962	25,240	28,240	28,929	26,732
Fellowships	1,392	1,318	1,363	1,357	1,303	1,497	1,535	1,521
Research assistantships	7,512	7,691	8,417	9,207	9,588	10,655	10,814	10,165
Teaching assistantships	3,350	3,344	3,392	3,643	4,045	4,303	4,227	3,873
Traineeships	122	133	76	107	92	105	128	123
Other support	6,623	7,122	7,273	8,648	10,212	11,680	12,225	11,050
Self-support	5,121	5,566	5,876	7,242	8,801	10,316	10,488	9,338
Other support	1,502	1,556	1,397	1,406	1,411	1,364	1,737	1,712
Industrial engineering	5,116	4,894	5,500	6,049	6,534	7,200	7,098	6,591
Fellowships	239	252	257	325	427	445	442	437
Research assistantships	1,269	1,380	1,468	1,655	1,747	1,900	1,843	1,690
Teaching assistantships	775	777	893	956	1,058	1,027	964	938
Traineeships	21	24	21	18	58	56	42	46
Other support	2,812	2,461	2,861	3,095	3,244	3,772	3,807	3,480
Self-support	2,292	2,028	2,283	2,432	2,556	2,999	3,050	2,694
Other support	520	433	578	663	688	773	757	786
Mechanical engineering	10,432	10,073	10,331	10,795	11,436	12,512	13,356	12,787
Fellowships	846	902	874	1,021	955	1,013	991	930
Research assistantships	4,349	4,498	4,642	4,850	5,086	5,480	6,048	5,736
Teaching assistantships	1,887	1,780	1,950	1,968	2,178	2,358	2,310	2,204
Traineeships	215	180	142	121	126	116	117	102
Other support	3,135	2,713	2,723	2,835	3,091	3,545	3,890	3,815
Self-support	2,433	2,026	2,094	2,147	2,485	2,822	3,144	3,129
Other support	702	687	629	688	606	723	746	686
Other engineering	13,914	14,076	14,841	14,855	16,307	18,240	20,709	20,969
Fellowships	1,614	1,573	1,900	1,943	2,013	2,158	2,346	2,592
Research assistantships	6,811	7,044	7,112	7,263	8,065	8,862	9,988	9,895
Teaching assistantships	1,446	1,528	1,714	1,669	1,876	2,029	2,168	2,303
Traineeships	236	253	267	320	298	394	500	442
Other support	3,807	3,678	3,848	3,660	4,055	4,797	5,707	5,737
Self-support	2,635	2,515	2,836	2,761	3,161	3,873	4,380	4,554
Other support	1,172	1,163	1,012	899	894	924	1,327	1,183
Health fields	46,620	48,446	50,530	49,928	50,501	53,490	58,356	61,546
Fellowships	2,478	2,531	2,735	2,915	2,593	2,767	2,680	2,833
Research assistantships	4,896	5,044	5,413	5,874	6,285	6,632	6,962	7,136
Teaching assistantships	3,167	3,199	3,096	3,095	3,291	3,490	3,629	3,809
Traineeships	4,818	5,105	5,202	4,617	4,889	5,154	4,957	5,014
Other support	31,261	32,567	34,084	33,427	33,443	35,447	40,128	42,754
Self-support	27,221	28,236	28,937	28,133	28,343	30,060	33,992	36,159
Other support	4,040	4,331	5,147	5,294	5,100	5,387	6,136	6,595

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