

TABLE D-11. Primary source of support for full-time S&E graduate students, by sex and field: 2003

Sex and field	All sources	Federal support										Other outside support			Self-support	
		Total	DOD	DOE	HHS			NASA	NSF	USDA	Other	Institutional support	Total	United States		Foreign
					Total	NIH	Other									
All S&E graduate students	339,208	72,387	8,925	3,998	22,208	20,395	1,813	3,211	19,167	3,424	11,454	139,071	26,498	23,712	2,786	101,252
Science	248,829	50,854	3,427	2,277	20,252	18,751	1,501	1,572	12,441	2,970	7,915	107,990	15,354	13,504	1,850	74,631
Agricultural sciences	10,003	2,505	33	58	89	60	29	90	211	1,333	691	3,949	1,584	1,413	171	1,965
Biological sciences	54,346	20,195	364	195	14,868	14,143	725	99	2,139	1,034	1,496	22,312	4,016	3,726	290	7,823
Computer sciences	30,850	5,360	1,381	159	306	234	72	226	2,727	39	522	9,212	1,939	1,741	198	14,339
Earth, atmospheric, and ocean sciences	11,511	3,306	254	155	68	52	16	420	1,376	85	948	5,056	883	767	116	2,266
Mathematics and statistics	14,627	1,680	232	53	154	119	35	23	975	9	234	9,620	520	425	95	2,807
Physical sciences	30,441	10,566	885	1,590	2,414	2,147	267	574	3,868	66	1,169	16,007	2,104	1,977	127	1,764
Psychology	35,777	3,576	149	10	1,882	1,625	257	26	326	16	1,167	13,294	1,288	1,205	83	17,619
Social sciences	61,274	3,666	129	57	471	371	100	114	819	388	1,688	28,540	3,020	2,250	770	26,048
Engineering	90,379	21,533	5,498	1,721	1,956	1,644	312	1,639	6,726	454	3,539	31,081	11,144	10,208	936	26,621
Aerospace	3,243	1,197	471	44	10	8	2	462	122	1	87	1,021	296	253	43	729
Biomedical	4,747	1,440	72	13	895	860	35	37	231	3	189	1,332	870	848	22	1,105
Chemical	6,414	2,055	265	327	245	210	35	103	841	35	239	2,521	995	932	63	843
Civil	13,710	2,185	148	94	61	45	16	87	704	69	1,022	5,486	1,483	1,378	105	4,556
Electrical	28,952	6,198	2,233	189	356	246	110	373	2,256	57	734	8,892	3,288	3,058	230	10,574
Industrial/manufacturing	7,085	990	251	58	73	36	37	58	388	11	151	2,355	696	618	78	3,044
Mechanical	13,375	3,409	876	348	166	135	31	347	1,101	20	551	5,034	1,740	1,610	130	3,192
Metallurgical and materials	4,386	1,686	482	268	38	29	9	62	653	3	180	1,381	806	726	80	513
Other	8,467	2,373	700	380	112	75	37	110	430	255	386	3,059	970	785	185	2,065
Female	140,597	26,540	1,663	880	11,133	10,264	869	822	5,922	1,516	4,604	58,855	9,033	8,230	803	46,169
Science	120,499	22,076	810	571	10,540	9,747	793	547	4,360	1,389	3,859	51,596	6,660	6,044	616	40,167
Agricultural sciences	4,643	1,081	14	21	45	26	19	40	96	560	305	1,904	707	646	61	951
Biological sciences	29,662	10,636	190	101	7,813	7,437	376	40	1,116	572	804	12,218	2,043	1,918	125	4,765
Computer sciences	7,886	1,051	204	29	73	61	12	57	547	11	130	2,321	427	372	55	4,087
Earth, atmospheric, and ocean sciences	5,188	1,413	72	57	36	29	7	182	588	34	444	2,360	356	329	27	1,059
Mathematics and statistics	5,139	524	40	13	69	49	20	7	299	3	93	3,345	195	162	33	1,075
Physical sciences	9,427	3,085	201	311	908	800	108	158	1,128	27	352	5,178	618	591	27	546
Psychology	26,395	2,452	63	10	1,284	1,099	185	14	201	10	870	9,538	929	872	57	13,476
Social sciences	32,159	1,834	26	29	312	246	66	49	385	172	861	14,732	1,385	1,154	231	14,208
Engineering	20,098	4,464	853	309	593	517	76	275	1,562	127	745	7,259	2,373	2,186	187	6,002
Aerospace	453	136	40	8	2	1	1	59	17	0	10	181	34	31	3	102
Biomedical	1,770	518	19	7	322	310	12	11	98	0	61	494	326	319	7	432
Chemical	1,810	558	64	73	82	74	8	28	235	15	61	760	261	246	15	231
Civil	4,118	623	37	37	18	14	4	30	220	19	262	1,712	410	378	32	1,373
Electrical	5,567	1,063	349	36	89	60	29	53	419	11	106	1,704	547	508	39	2,253
Industrial	1,627	210	52	9	13	3	10	11	95	0	30	614	156	135	21	647
Mechanical	1,756	488	107	30	33	28	5	41	208	1	68	681	232	216	16	355
Metallurgical and materials	1,128	391	98	49	10	8	2	13	163	1	57	393	215	195	20	129
Other	1,869	477	87	60	24	19	5	29	107	80	90	720	192	158	34	480

Women, Minorities, and Persons with Disabilities in Science and Engineering

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Sex and field	All sources	Federal support										Other outside support			Self-support	
		Total	DOD	DOE	HHS			NASA	NSF	USDA	Other	Institutional support	Total	United States		Foreign
					Total	NIH	Other									
Male	198,611	45,847	7,262	3,118	11,075	10,131	944	2,389	13,245	1,908	6,850	80,216	17,465	15,482	1,983	55,083
Science	128,330	28,778	2,617	1,706	9,712	9,004	708	1,025	8,081	1,581	4,056	56,394	8,694	7,460	1,234	34,464
Agricultural sciences	5,360	1,424	19	37	44	34	10	50	115	773	386	2,045	877	767	110	1,014
Biological sciences	24,684	9,559	174	94	7,055	6,706	349	59	1,023	462	692	10,094	1,973	1,808	165	3,058
Computer sciences	22,964	4,309	1,177	130	233	173	60	169	2,180	28	392	6,891	1,512	1,369	143	10,252
Earth, atmospheric, and ocean sciences	6,323	1,893	182	98	32	23	9	238	788	51	504	2,696	527	438	89	1,207
Mathematics and statistics	9,488	1,156	192	40	85	70	15	16	676	6	141	6,275	325	263	62	1,732
Physical sciences	21,014	7,481	684	1,279	1,506	1,347	159	416	2,740	39	817	10,829	1,486	1,386	100	1,218
Psychology	9,382	1,124	86	0	598	526	72	12	125	6	297	3,756	359	333	26	4,143
Social sciences	29,115	1,832	103	28	159	125	34	65	434	216	827	13,808	1,635	1,096	539	11,840
Engineering	70,281	17,069	4,645	1,412	1,363	1,127	236	1,364	5,164	327	2,794	23,822	8,771	8,022	749	20,619
Aerospace	2,790	1,061	431	36	8	7	1	403	105	1	77	840	262	222	40	627
Biomedical	2,977	922	53	6	573	550	23	26	133	3	128	838	544	529	15	673
Chemical	4,604	1,497	201	254	163	136	27	75	606	20	178	1,761	734	686	48	612
Civil	9,592	1,562	111	57	43	31	12	57	484	50	760	3,774	1,073	1,000	73	3,183
Electrical	23,385	5,135	1,884	153	267	186	81	320	1,837	46	628	7,188	2,741	2,550	191	8,321
Industrial	5,458	780	199	49	60	33	27	47	293	11	121	1,741	540	483	57	2,397
Mechanical	11,619	2,921	769	318	133	107	26	306	893	19	483	4,353	1,508	1,394	114	2,837
Metallurgical and materials	3,258	1,295	384	219	28	21	7	49	490	2	123	988	591	531	60	384
Other	6,598	1,896	613	320	88	56	32	81	323	175	296	2,339	778	627	151	1,585

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, 2003.