

TABLE E-1. Master's degrees, by field: 1994–2001

Field	1994	1995	1996	1997	1998	2000	2001
All fields	389,008	399,428	408,932	420,954	431,871	456,260	466,645
S&E	91,411	94,309	95,313	93,485	93,918	95,683	98,986
Sciences	62,694	65,679	67,552	67,611	67,780	69,947	72,463
Agricultural sciences	3,410	3,574	4,021	3,927	3,862	3,858	3,752
Biological sciences	5,276	5,495	6,286	6,594	6,368	6,325	6,487
Computer sciences	10,546	10,563	10,613	10,489	11,752	14,529	16,341
Earth, atmospheric, and ocean sciences	1,418	1,483	1,487	1,435	1,426	1,345	1,363
Atmospheric	197	203	199	177	199	156	140
Earth	1,073	1,142	1,146	1,145	1,105	1,104	1,121
Ocean	148	138	142	113	122	85	102
Mathematics and statistics	3,804	3,932	3,742	3,599	3,525	3,295	3,280
Physical sciences	4,263	4,241	4,364	4,141	3,969	3,512	3,737
Astronomy	129	119	115	93	101	102	93
Chemistry	2,010	2,105	2,273	2,268	2,173	1,908	2,009
Physics	1,952	1,826	1,686	1,497	1,401	1,244	1,376
Other	172	191	290	283	294	258	259
Psychology	11,572	13,132	13,043	13,633	13,146	13,708	14,335
Social sciences	22,405	23,259	23,996	23,793	23,732	23,375	23,168
Anthropology	989	1,053	1,051	1,111	1,098	950	1,092
Area and ethnic studies	1,597	1,584	1,657	1,587	1,550	1,529	1,515
Economics	2,989	2,838	2,964	2,804	2,843	2,515	2,492
History of science	16	13	10	18	22	24	26
Linguistics	650	603	601	642	568	553	552
Political science and public administration	12,041	12,802	13,370	13,368	13,151	13,035	12,929
Sociology	1,675	1,790	1,822	1,752	1,774	2,036	1,901
Other	2,448	2,576	2,521	2,511	2,726	2,733	2,661
Engineering	28,717	28,630	27,761	25,874	26,138	25,736	26,523
Aerospace	1,038	821	774	625	584	560	611
Chemical	1,287	1,369	1,416	1,345	1,372	1,352	1,368
Civil	4,918	5,168	5,002	4,880	4,736	4,140	4,013
Electrical	8,870	8,743	8,156	7,341	7,971	8,339	8,630
Mechanical	4,277	4,368	4,009	3,756	3,551	3,378	3,472
Materials	910	852	774	724	698	759	709
Industrial	2,882	2,873	3,027	2,935	3,109	3,048	3,401
Other	4,535	4,436	4,603	4,268	4,117	4,160	4,319
Non-S&E	297,597	305,119	313,619	327,469	337,953	360,577	367,659

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE E-2. Master's degrees awarded to women, by field: 1994–2001

Field	1994	1995	1996	1997	1998	2000	2001	1994	2001
	Number							Percent	
All fields	212,246	220,230	228,572	239,497	246,810	265,026	273,639	54.6	58.6
S&E	33,441	35,791	37,453	38,262	38,583	41,470	43,393	36.6	43.8
Sciences	29,018	31,159	32,701	33,567	33,420	36,130	37,765	46.3	52.1
Agricultural sciences	1,391	1,471	1,707	1,695	1,709	1,819	1,837	40.8	49.0
Biological sciences	2,780	2,858	3,341	3,518	3,354	3,510	3,755	52.7	57.9
Computer sciences	2,729	2,786	2,850	2,979	3,414	4,868	5,508	25.9	33.7
Earth, atmospheric, and ocean sciences	424	451	436	487	494	513	564	29.9	41.4
Atmospheric	47	51	35	42	52	37	40	23.9	28.6
Earth	328	353	347	393	397	434	472	30.6	42.1
Ocean	49	47	54	52	45	42	52	33.1	51.0
Mathematics and statistics	1,493	1,579	1,506	1,489	1,470	1,498	1,389	39.2	42.3
Physical sciences	1,233	1,283	1,450	1,333	1,440	1,215	1,301	28.9	34.8
Astronomy	31	31	27	32	30	25	36	24.0	38.7
Chemistry	827	885	998	927	998	823	825	41.1	41.1
Physics	297	291	301	255	255	244	286	15.2	20.8
Other	78	76	124	119	157	123	154	45.3	59.5
Psychology	8,285	9,397	9,373	9,918	9,540	10,293	10,858	71.6	75.7
Social sciences	10,683	11,334	12,038	12,148	11,999	12,414	12,553	47.7	54.2
Anthropology	610	668	631	712	686	587	689	61.7	63.1
Area and ethnic studies	819	818	856	845	842	879	896	51.3	59.1
Economics	959	894	1,002	953	944	952	973	32.1	39.0
History of science	7	4	4	7	7	6	10	43.8	38.5
Linguistics	418	416	393	418	389	407	380	64.3	68.8
Political science and public administration	5,624	6,124	6,654	6,691	6,566	6,720	6,841	46.7	52.9
Sociology	1,023	1,112	1,180	1,142	1,118	1,387	1,258	61.1	66.2
Other	1,223	1,298	1,318	1,380	1,447	1,476	1,506	50.0	56.6
Engineering	4,423	4,632	4,752	4,695	5,163	5,340	5,628	15.4	21.2
Aerospace	100	99	92	75	81	76	90	9.6	14.7
Chemical	279	306	306	332	344	344	352	21.7	25.7
Civil	953	1,045	1,064	1,099	1,154	1,075	1,061	19.4	26.4
Electrical	1,149	1,204	1,196	1,144	1,376	1,558	1,673	13.0	19.4
Mechanical	417	450	454	419	461	455	448	9.7	12.9
Materials	187	184	175	174	170	201	173	20.5	24.4
Industrial	536	512	624	604	676	648	789	18.6	23.2
Other	802	832	841	848	901	983	1,042	17.7	24.1
Non-S&E	178,805	184,439	191,119	201,235	208,227	223,556	230,246	60.1	62.6

NOTE: Data not available for 1999.

SOURCE: National Science Foundation, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
All fields	389,008	399,428	408,932	420,954	431,871	456,260	466,645
S&E	86,080	94,309	95,313	93,485	93,918	95,683	98,986
Sciences	57,373	65,679	67,552	67,611	67,780	69,947	72,463
Agricultural sciences	3,435	3,574	4,021	3,927	3,862	3,858	3,752
Biological sciences	5,217	5,495	6,286	6,594	6,368	6,325	6,487
Computer sciences	10,421	10,563	10,613	10,489	11,752	14,529	16,341
Mathematics and statistics	4,108	3,932	3,742	3,599	3,525	3,295	3,280
Physical sciences	5,688	5,724	5,851	5,576	5,395	4,857	5,100
Psychology	12,274	13,132	13,043	13,633	13,146	13,708	14,335
Social sciences	16,230	23,259	23,996	23,793	23,732	23,375	23,168
Engineering	28,707	28,630	27,761	25,874	26,138	25,736	26,523
Non-S&E	302,928	305,119	313,619	327,469	337,953	360,577	367,659
U.S. citizen/permanent resident							
All fields	342,502	350,672	360,682	371,477	379,666	400,689	405,455
S&E	65,201	72,092	73,635	72,220	71,295	70,933	71,564
Sciences	45,851	53,161	54,870	54,982	54,318	55,020	56,042
Agricultural sciences	2,727	2,921	3,363	3,269	3,264	3,342	3,281
Biological sciences	4,284	4,610	5,295	5,671	5,468	5,575	5,614
Computer sciences	6,509	6,667	6,712	6,516	6,957	7,966	8,596
Mathematics and statistics	3,013	2,816	2,712	2,606	2,499	2,184	2,050
Physical sciences	3,918	3,972	4,117	3,932	3,898	3,522	3,689
Psychology	11,913	12,659	12,619	13,231	12,686	13,241	13,871
Social sciences	13,487	19,516	20,052	19,757	19,546	19,190	18,941
Engineering	19,350	18,931	18,765	17,238	16,977	15,913	15,522
Non-S&E	277,301	278,580	287,047	299,257	308,371	329,756	333,891
White							
All fields	273,913	277,437	282,713	288,353	291,962	297,226	293,390
S&E	50,711	54,610	55,349	53,769	52,328	49,850	48,792
Sciences	36,242	40,779	41,773	41,277	40,243	38,830	38,326
Agricultural sciences	2,261	2,447	2,918	2,809	2,827	2,864	2,782
Biological sciences	3,453	3,642	4,131	4,395	4,212	4,179	4,124
Computer sciences	4,286	4,354	4,353	4,105	4,277	4,435	4,541
Mathematics and statistics	2,379	2,222	2,083	2,005	1,895	1,655	1,515
Physical sciences	3,145	3,171	3,324	3,172	3,129	2,810	2,917
Psychology	9,960	10,367	10,071	10,444	9,820	9,646	9,798
Social sciences	10,758	14,576	14,893	14,347	14,083	13,241	12,649
Engineering	14,469	13,831	13,576	12,492	12,085	11,020	10,466
Non-S&E	223,202	222,827	227,364	234,584	239,634	247,376	244,598
Asian/Pacific Islander							
All fields	14,559	15,906	17,281	17,912	19,936	21,412	21,946
S&E	5,422	5,989	6,328	6,180	6,554	6,990	7,045
Sciences	2,979	3,417	3,707	3,861	4,103	4,611	4,631
Agricultural sciences	82	97	110	103	83	94	97
Biological sciences	332	426	528	575	591	595	540
Computer sciences	1,228	1,266	1,283	1,322	1,579	2,028	2,053
Mathematics and statistics	233	228	220	238	216	180	205
Physical sciences	284	288	304	308	278	262	248
Psychology	270	289	322	364	379	472	498
Social sciences	550	823	940	951	977	980	990
Engineering	2,443	2,572	2,621	2,319	2,451	2,379	2,414
Non-S&E	9,137	9,917	10,953	11,732	13,382	14,422	14,901
Black							
All fields	20,936	22,954	24,588	26,948	28,616	33,305	35,059
S&E	2,849	4,210	4,420	4,870	4,894	5,492	6,117

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Sciences	2,260	3,545	3,746	4,196	4,180	4,834	5,417
Agricultural sciences	78	74	88	96	95	84	96
Biological sciences	142	163	199	236	190	223	313
Computer sciences	365	373	435	411	424	580	654
Mathematics and statistics	109	140	145	154	142	98	113
Physical sciences	127	147	116	144	146	124	151
Psychology	636	802	870	1,059	1,020	1,346	1,598
Social sciences	803	1,846	1,893	2,096	2,163	2,379	2,492
Engineering	589	665	674	674	714	658	700
Non-S&E	18,087	18,744	20,168	22,078	23,722	27,813	28,942
Hispanic							
All fields	13,177	13,905	15,394	16,360	17,416	20,803	22,163
S&E	2,514	2,945	3,090	3,220	3,462	3,746	4,077
Sciences	1,795	2,234	2,342	2,455	2,655	2,894	3,239
Agricultural sciences	184	96	95	105	116	133	123
Biological sciences	138	167	194	214	192	268	310
Computer sciences	169	210	188	211	219	288	440
Mathematics and statistics	75	72	88	63	85	100	72
Physical sciences	114	129	127	139	149	126	147
Psychology	558	622	667	718	787	837	937
Social sciences	557	938	983	1,005	1,107	1,142	1,210
Engineering	719	711	748	765	807	852	838
Non-S&E	10,663	10,960	12,304	13,140	13,954	17,057	18,086
American Indian/Alaskan Native							
All fields	1,618	1,542	1,693	1,844	1,951	2,099	2,274
S&E	273	307	321	370	372	383	472
Sciences	213	264	265	317	318	319	412
Agricultural sciences	11	13	14	18	23	23	18
Biological sciences	17	20	17	25	21	26	29
Computer sciences	18	16	26	25	15	32	68
Mathematics and statistics	6	11	5	14	9	9	9
Physical sciences	16	19	10	16	24	18	20
Psychology	62	81	78	97	108	69	106
Social sciences	83	104	115	122	118	142	162
Engineering	60	43	56	53	54	64	60
Non-S&E	1,345	1,235	1,372	1,474	1,579	1,716	1,802
Other or unknown race/ethnicity							
All fields	18,299	18,928	19,013	20,060	19,785	25,844	30,623
S&E	3,432	4,031	4,127	3,811	3,685	4,472	5,061
Sciences	2,362	2,922	3,037	2,876	2,819	3,532	4,017
Agricultural sciences	111	194	138	138	120	144	165
Biological sciences	202	192	226	226	262	284	298
Computer sciences	443	448	427	442	443	603	840
Mathematics and statistics	211	143	171	132	152	142	136
Physical sciences	232	218	236	153	172	182	206
Psychology	427	498	611	549	572	871	934
Social sciences	736	1,229	1,228	1,236	1,098	1,306	1,438
Engineering	1,070	1,109	1,090	935	866	940	1,044
Non-S&E	14,867	14,897	14,886	16,249	16,100	21,372	25,562
Temporary resident							
All fields	46,506	48,756	48,250	49,477	52,205	55,571	61,190
S&E	20,879	22,217	21,678	21,265	22,623	24,750	27,422
Sciences	11,522	12,518	12,682	12,629	13,462	14,927	18,422
Agricultural sciences	708	653	658	658	598	516	471
Biological sciences	933	885	991	923	900	750	873
Computer sciences	3,912	3,896	3,901	3,973	4,795	6,563	7,745

TABLE E-3. Master's degrees, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Mathematics and statistics	1,095	1,116	1,030	993	1,026	1,111	1,230
Physical sciences	1,770	1,752	1,734	1,644	1,497	1,335	1,411
Psychology	361	473	424	402	460	467	464
Social sciences	2,743	3,743	3,944	4,036	4,186	4,185	4,227
Engineering	9,357	9,699	8,996	8,636	9,161	9,823	11,001
Non-S&E	25,627	26,539	26,572	28,212	29,582	30,821	33,768

NOTES: Physical sciences includes earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to the exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE E-4. Racial/ethnic distribution of S&amp;E master's degrees awarded to U.S. citizens and permanent residents, by field: 1994–2001

(Percent)							Page 1 of 2
Race/ethnicity and field	1994	1995	1996	1997	1998	2000	2001
<b>White</b>							
All fields	80.0	79.1	78.4	77.6	76.9	74.2	71.8
S&E	77.8	75.8	75.2	74.5	73.4	70.3	68.2
Sciences	79.0	76.7	76.1	75.1	74.1	70.6	68.4
Agricultural sciences	82.9	83.8	86.8	85.9	86.6	85.7	84.8
Biological sciences	80.6	79.0	78.0	77.5	77.0	75.0	73.5
Computer sciences	65.8	65.3	64.9	63.0	61.5	55.7	52.9
Mathematics and statistics	79.0	78.9	76.8	76.9	75.8	75.8	73.9
Physical sciences	80.3	79.8	80.7	80.7	80.3	79.8	79.1
Psychology	83.6	81.9	79.8	78.9	77.4	72.8	70.6
Social sciences	79.8	74.7	74.3	72.6	72.1	69.0	66.8
Engineering	74.8	73.1	72.3	72.5	71.2	69.3	67.4
Non-S&E	80.5	80.0	79.2	78.4	77.7	75.0	72.7
<b>Asian/Pacific Islander</b>							
All fields	4.3	4.5	4.8	4.8	5.3	5.3	5.5
S&E	8.3	8.3	8.6	8.6	9.2	9.9	9.8
Sciences	6.5	6.4	6.8	7.0	7.6	8.4	8.3
Agricultural sciences	3.0	3.3	3.3	3.2	2.5	2.8	3.0
Biological sciences	7.7	9.2	10.0	10.1	10.8	10.7	9.6
Computer sciences	18.9	19.0	19.1	20.3	22.7	25.5	23.8
Mathematics and statistics	7.7	8.1	8.1	9.1	8.6	8.2	10.1
Physical sciences	7.2	7.3	7.4	7.8	7.1	7.4	6.7
Psychology	2.3	2.3	2.6	2.8	3.0	3.6	3.6
Social sciences	4.1	4.2	4.7	4.8	5.0	5.1	5.2
Engineering	12.6	13.6	14.0	13.5	14.4	15.0	15.6
Non-S&E	3.3	3.6	3.8	3.9	4.3	4.4	4.5
<b>Black</b>							
All fields	6.1	6.5	6.8	7.3	7.5	8.3	8.9
S&E	4.4	5.8	6.0	6.7	6.9	7.7	8.5
Sciences	4.9	6.7	6.8	7.6	7.7	8.8	9.7
Agricultural sciences	2.9	2.5	2.6	2.9	2.9	2.5	2.9
Biological sciences	3.3	3.5	3.8	4.2	3.5	4.0	5.6
Computer sciences	5.6	5.6	6.5	6.3	6.1	7.3	7.6
Mathematics and statistics	3.6	5.0	5.3	5.9	5.7	4.5	5.5
Physical sciences	3.2	3.7	2.8	3.7	3.7	3.5	4.1
Psychology	5.3	6.3	6.9	8.0	8.0	10.2	11.5
Social sciences	6.0	9.5	9.4	10.6	11.1	12.4	13.2
Engineering	3.0	3.5	3.6	3.9	4.2	4.1	4.5
Non-S&E	6.5	6.7	7.0	7.4	7.7	8.4	9.0
<b>Hispanic</b>							
All fields	3.8	4.0	4.3	4.4	4.6	5.2	5.7
S&E	3.9	4.1	4.2	4.5	4.9	5.3	5.7
Sciences	3.9	4.2	4.3	4.5	4.9	5.3	5.8
Agricultural sciences	6.7	3.3	2.8	3.2	3.6	4.0	3.7
Biological sciences	3.2	3.6	3.7	3.8	3.5	4.8	5.5
Computer sciences	2.6	3.1	2.8	3.2	3.1	3.6	5.1
Mathematics and statistics	2.5	2.6	3.2	2.4	3.4	4.6	3.5
Physical sciences	2.9	3.2	3.1	3.5	3.8	3.6	4.0
Psychology	4.7	4.9	5.3	5.4	6.2	6.3	6.8
Social sciences	4.1	4.8	4.9	5.1	5.7	6.0	6.4
Engineering	3.7	3.8	4.0	4.4	4.8	5.4	5.4
Non-S&E	3.8	3.9	4.3	4.4	4.5	5.2	5.7

Table E-4. Racial/ethnic distribution of S&amp;E master's degree awarded to U.S. citizens and permanent residents, by field: 1994–2001

(Percent) Page 2 of 2

Race/ethnicity and field	1994	1995	1996	1997	1998	2000	2001
<b>American Indian/Alaskan Native</b>							
All fields	0.5	0.4	0.5	0.5	0.5	0.5	0.6
S&E	0.4	0.4	0.4	0.5	0.5	0.5	0.7
Sciences	0.5	0.5	0.5	0.6	0.6	0.6	0.7
Agricultural sciences	0.4	0.4	0.4	0.6	0.7	0.7	0.5
Biological sciences	0.4	0.4	0.3	0.4	0.4	0.5	0.5
Computer sciences	0.3	0.2	0.4	0.4	0.2	0.4	0.8
Mathematics and statistics	0.2	0.4	0.2	0.5	0.4	0.4	0.4
Physical sciences	0.4	0.5	0.2	0.4	0.6	0.5	0.5
Psychology	0.5	0.6	0.6	0.7	0.9	0.5	0.8
Social sciences	0.6	0.5	0.6	0.6	0.6	0.7	0.9
Engineering	0.3	0.2	0.3	0.3	0.3	0.4	0.4
Non-S&E	0.5	0.4	0.5	0.5	0.5	0.5	0.6
<b>Other or unknown race/ethnicity</b>							
All fields	5.3	5.4	5.3	5.4	5.2	6.4	7.4
S&E	5.3	5.6	5.6	5.3	5.2	6.3	7.1
Sciences	5.2	5.5	5.5	5.2	5.2	6.4	7.2
Agricultural sciences	4.1	6.6	4.1	4.2	3.7	4.3	5.0
Biological sciences	4.7	4.2	4.3	4.0	4.8	5.1	5.3
Computer sciences	6.8	6.7	6.4	6.8	6.4	7.6	9.8
Mathematics and statistics	7.0	5.1	6.3	5.1	6.1	6.5	6.7
Physical sciences	5.9	5.5	5.7	3.9	4.4	5.2	5.6
Psychology	3.6	3.9	4.8	4.1	4.5	6.6	6.7
Social sciences	5.5	6.3	6.1	6.3	5.6	6.8	7.6
Engineering	5.5	5.9	5.8	5.4	5.1	5.9	6.7
Non-S&E	5.4	5.3	5.2	5.4	5.2	6.5	7.5

NOTES: Physical sciences include earth, atmospheric, and ocean sciences; physics: astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to the exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994 2001	
								Number	Percent
All fields	212,246	220,230	228,572	239,497	246,810	265,026	273,639	54.6	58.6
S&E	30,619	35,791	37,453	38,262	38,583	41,470	43,393	35.6	43.8
Sciences	26,198	31,159	32,701	33,567	33,420	36,130	37,765	45.7	52.1
Agricultural sciences	1,395	1,471	1,707	1,695	1,709	1,819	1,837	40.6	49.0
Biology sciences	2,742	2,858	3,341	3,518	3,354	3,510	3,755	52.6	57.9
Computer sciences	2,694	2,786	2,850	2,979	3,414	4,868	5,508	25.9	33.7
Mathematics/statistics	1,567	1,579	1,506	1,489	1,470	1,498	1,389	38.1	42.3
Physical sciences	1,658	1,734	1,886	1,820	1,934	1,728	1,865	29.1	36.6
Psychology	8,857	9,397	9,373	9,918	9,540	10,293	10,858	72.2	75.7
Social sciences	7,285	11,334	12,038	12,148	11,999	12,414	12,553	44.9	54.2
Engineering	4,421	4,632	4,752	4,695	5,163	5,340	5,628	15.4	21.2
Non-S&E	181,627	184,439	191,119	201,235	208,227	223,556	230,246	60.0	62.6
U.S. citizen/permanent resident									
All fields	195,881	202,633	210,372	220,221	226,085	242,244	248,590	57.2	61.3
S&E	25,501	30,119	31,300	31,983	31,669	33,169	34,334	39.1	48.0
Sciences	22,291	26,822	27,940	28,737	28,229	29,856	30,961	48.6	55.2
Agricultural sciences	1,131	1,239	1,447	1,448	1,466	1,601	1,611	41.5	49.1
Biological sciences	2,271	2,426	2,810	3,010	2,850	3,051	3,248	53.0	57.9
Computer sciences	1,730	1,807	1,853	1,867	2,020	2,546	2,774	26.6	32.3
Mathematics/statistics	1,210	1,205	1,147	1,142	1,100	1,011	888	40.2	43.3
Physical sciences	1,124	1,202	1,338	1,315	1,415	1,288	1,388	28.7	37.6
Psychology	8,626	9,069	9,070	9,641	9,193	9,947	10,521	72.4	75.8
Social sciences	6,199	9,874	10,275	10,314	10,185	10,412	10,531	46.0	55.6
Engineering	3,210	3,297	3,360	3,246	3,440	3,313	3,373	16.6	21.7
Non-S&E	170,380	172,514	179,072	188,238	194,416	209,075	214,256	61.4	64.2
White									
All fields	157,155	160,782	165,154	170,411	173,498	179,311	179,684	57.4	61.2
S&E	19,865	22,680	23,175	23,213	22,717	22,749	22,792	39.2	46.7
Sciences	17,628	20,440	20,985	21,108	20,496	20,712	20,751	48.6	54.1
Agricultural sciences	921	1,017	1,238	1,211	1,251	1,350	1,328	40.7	47.7
Biological sciences	1,810	1,889	2,165	2,275	2,196	2,278	2,381	52.4	57.7
Computer sciences	977	1,033	1,015	965	1,027	1,162	1,163	22.8	25.6
Mathematics/statistics	959	942	864	860	815	753	652	40.3	43.0
Physical sciences	893	923	1,038	1,001	1,085	1,007	1,067	28.4	36.6
Psychology	7,190	7,405	7,181	7,557	7,049	7,240	7,343	72.2	74.9
Social sciences	4,878	7,231	7,484	7,239	7,073	6,922	6,817	45.3	53.9
Engineering	2,237	2,240	2,190	2,105	2,221	2,037	2,041	15.5	19.5
Non-S&E	137,290	138,102	141,979	147,198	150,781	156,562	156,892	61.5	64.1
Asian/Pacific Islander									
All fields	6,768	7,521	8,404	9,327	10,298	11,307	11,802	46.5	53.8
S&E	1,861	2,115	2,428	2,575	2,678	3,045	3,033	34.3	43.1
Sciences	1,350	1,566	1,807	2,014	2,050	2,385	2,406	45.3	52.0
Agricultural sciences	47	53	61	72	40	58	63	57.3	64.9
Biological sciences	181	210	286	324	294	304	305	54.5	56.5
Computer sciences	443	460	473	530	629	860	860	36.1	41.9
Mathematics/statistics	107	104	101	116	105	94	104	45.9	50.7
Physical sciences	102	101	136	140	128	108	106	35.9	42.7
Psychology	196	213	244	279	289	365	372	72.6	74.7
Social sciences	274	425	506	553	565	596	596	49.8	60.2
Engineering	511	549	621	561	628	660	627	20.9	26.0
Non-S&E	4,907	5,406	5,976	6,752	7,620	8,262	8,769	53.7	58.8
Black									
All fields	13,929	15,318	16,590	18,504	19,509	22,996	24,658	66.5	70.3
S&E	1,473	2,319	2,520	2,887	2,828	3,294	3,855	51.7	63.0



TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994	2001
	Number							Percent	
Sciences	1,306	2,118	2,310	2,662	2,584	3,087	3,609	57.8	66.6
Agricultural sciences	32	39	39	40	59	47	51	41.0	53.1
Biological sciences	94	113	122	167	122	150	221	66.2	70.6
Computer sciences	160	159	201	182	162	255	309	43.8	47.2
Mathematics/statistics	47	82	71	79	77	52	48	43.1	42.5
Physical sciences	53	61	57	70	65	59	69	41.7	45.7
Psychology	475	598	647	814	766	1,035	1,297	74.7	81.2
Social sciences	445	1,066	1,173	1,310	1,333	1,489	1,614	55.4	64.8
Engineering	167	201	210	225	244	207	246	28.4	35.1
Non-S&E	12,456	12,999	14,070	15,617	16,681	19,702	20,803	68.9	71.9
Hispanic									
All fields	7,694	8,180	9,322	9,894	10,568	12,799	13,925	58.4	62.8
S&E	1,087	1,333	1,426	1,502	1,667	1,836	2,119	43.2	52.0
Sciences	950	1,200	1,258	1,326	1,489	1,635	1,898	52.9	58.6
Agricultural sciences	79	40	40	54	58	74	74	42.9	60.2
Biological sciences	73	92	109	104	95	146	168	52.9	54.2
Computer sciences	49	51	51	59	77	89	156	29.0	35.5
Mathematics/statistics	31	22	33	17	39	41	32	41.3	44.4
Physical sciences	34	41	47	53	62	49	57	29.8	38.8
Psychology	417	454	495	518	578	607	701	74.7	74.8
Social sciences	267	500	483	521	580	629	710	47.9	58.7
Engineering	137	133	168	176	178	201	221	19.1	26.4
Non-S&E	6,607	6,847	7,896	8,392	8,901	10,963	11,806	62.0	65.3
American Indian/Alaskan Native									
All fields	964	919	1,028	1,147	1,212	1,321	1,446	59.6	63.6
S&E	112	150	154	174	190	190	255	41.0	54.0
Sciences	100	147	149	167	182	174	238	46.9	57.8
Agricultural sciences	3	3	8	8	8	5	7	27.3	38.9
Biological sciences	5	9	8	14	12	12	14	29.4	48.3
Computer sciences	6	5	7	9	3	10	29	33.3	42.6
Mathematics/statistics	1	6	1	6	6	4	3	16.7	33.3
Physical sciences	3	8	4	5	11	5	11	18.8	55.0
Psychology	43	51	56	63	76	54	77	69.4	72.6
Social sciences	39	65	65	62	66	84	97	47.0	59.9
Engineering	12	3	5	7	8	16	17	20.0	28.3
Non-S&E	852	769	874	973	1,022	1,131	1,191	63.3	66.1
Other or unknown race/ethnicity									
All fields	9,371	9,913	9,874	10,938	11,000	14,510	17,075	51.2	55.8
S&E	1,103	1,522	1,597	1,632	1,589	2,055	2,280	32.1	45.1
Sciences	957	1,351	1,431	1,460	1,428	1,863	2,059	40.5	51.3
Agricultural sciences	49	87	61	63	50	67	88	44.1	53.3
Biological sciences	108	113	120	126	131	161	159	53.5	53.4
Computer sciences	95	99	106	122	122	170	257	21.4	30.6
Mathematics/statistics	65	49	77	64	58	67	49	30.8	36.0
Physical sciences	39	68	56	46	64	60	78	16.8	37.9
Psychology	305	348	447	410	435	646	731	71.4	78.3
Social sciences	296	587	564	629	568	692	697	40.2	48.5
Engineering	146	171	166	172	161	192	221	13.6	21.2
Non-S&E	8,268	8,391	8,277	9,306	9,411	12,455	14,795	55.6	57.9
Temporary resident									
All fields	16,365	17,597	18,200	19,276	20,725	22,782	25,049	35.2	40.9
S&E	5,118	5,672	6,153	6,279	6,914	8,301	9,059	24.5	33.0
Sciences	3,907	4,337	4,761	4,830	5,191	6,274	6,804	33.9	41.4

TABLE E-5. Master's degrees awarded to females, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001	1994	2001
	Number							Percent	
Agricultural sciences	264	232	260	247	243	218	226	37.3	48.0
Biological sciences	471	432	531	508	504	459	507	50.5	58.1
Computer sciences	964	979	997	1,112	1,394	2,322	2,734	24.6	35.3
Mathematics/statistics	357	374	359	347	370	487	501	32.6	40.7
Physical sciences	534	532	548	505	519	440	477	30.2	33.8
Psychology	231	328	303	277	347	346	337	64.0	72.6
Social sciences	1,086	1,460	1,763	1,834	1,814	2,002	2,022	39.6	47.8
Engineering	1,211	1,335	1,392	1,449	1,723	2,027	2,255	12.9	20.5
Non-S&E	11,247	11,925	12,047	12,997	13,811	14,481	15,990	43.9	47.4

NOTES: Physical sciences include earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE E-6. Master's degrees awarded to males, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
All fields	176,762	179,198	180,360	181,457	185,061	191,234	193,006
S&E	55,461	58,518	57,860	55,223	55,335	54,213	55,593
Sciences	31,175	34,520	34,851	34,044	34,360	33,817	34,698
Agricultural sciences	2,040	2,103	2,314	2,232	2,153	2,039	1,915
Biology sciences	2,475	2,637	2,945	3,076	3,014	2,815	2,732
Computer sciences	7,727	7,777	7,763	7,510	8,338	9,661	10,833
Mathematics/statistics	2,541	2,353	2,236	2,110	2,055	1,797	1,891
Physical sciences	4,030	3,990	3,965	3,756	3,461	3,129	3,235
Psychology	3,417	3,735	3,670	3,715	3,606	3,415	3,477
Social sciences	8,945	11,925	11,958	11,645	11,733	10,961	10,615
Engineering	24,286	23,998	23,009	21,179	20,975	20,396	20,895
Non-S&E	121,301	120,680	122,500	126,234	129,726	137,021	137,413
U.S. citizen/permanent resident							
All fields	146,621	148,039	150,310	151,256	153,581	158,445	156,865
S&E	39,700	41,973	42,335	40,237	39,626	37,764	37,230
Sciences	23,560	26,339	26,930	26,245	26,089	25,164	25,081
Agricultural sciences	1,596	1,682	1,916	1,821	1,798	1,741	1,670
Biological sciences	2,013	2,184	2,485	2,661	2,618	2,524	2,366
Computer sciences	4,779	4,860	4,859	4,649	4,937	5,420	5,822
Mathematics/statistics	1,803	1,611	1,565	1,464	1,399	1,173	1,162
Physical sciences	2,794	2,770	2,779	2,617	2,483	2,234	2,301
Psychology	3,287	3,590	3,549	3,590	3,493	3,294	3,350
Social sciences	7,288	9,642	9,777	9,443	9,361	8,778	8,410
Engineering	16,140	15,634	15,405	13,992	13,537	12,600	12,149
Non-S&E	106,921	106,066	107,975	111,019	113,955	120,681	119,635
White							
All fields	116,758	116,655	117,559	117,942	118,464	117,915	113,706
S&E	30,846	31,930	32,174	30,556	29,611	27,101	26,000
Sciences	18,614	20,339	20,788	20,169	19,747	18,118	17,575
Agricultural sciences	1,340	1,430	1,680	1,598	1,576	1,514	1,454
Biological sciences	1,643	1,753	1,966	2,120	2,016	1,901	1,743
Computer sciences	3,309	3,321	3,338	3,140	3,250	3,273	3,378
Mathematics/statistics	1,420	1,280	1,219	1,145	1,080	902	863
Physical sciences	2,252	2,248	2,286	2,171	2,044	1,803	1,850
Psychology	2,770	2,962	2,890	2,887	2,771	2,406	2,455
Social sciences	5,880	7,345	7,409	7,108	7,010	6,319	5,832
Engineering	12,232	11,591	11,386	10,387	9,864	8,983	8,425
Non-S&E	85,912	84,725	85,385	87,386	88,853	90,814	87,706
Asian/Pacific Islander							
All fields	7,791	8,385	8,877	8,585	9,638	10,105	10,144
S&E	3,561	3,874	3,900	3,605	3,876	3,945	4,012
Sciences	1,629	1,851	1,900	1,847	2,053	2,226	2,225
Agricultural sciences	35	44	49	31	43	36	34
Biological sciences	151	216	242	251	297	291	235
Computer sciences	785	806	810	792	950	1,168	1,193
Mathematics/statistics	126	124	119	122	111	86	101
Physical sciences	182	187	168	168	150	154	142
Psychology	74	76	78	85	90	107	126
Social sciences	276	398	434	398	412	384	394
Engineering	1,932	2,023	2,000	1,758	1,823	1,719	1,787
Non-S&E	4,230	4,511	4,977	4,980	5,762	6,160	6,132
Black							
All fields	7,007	7,636	7,998	8,444	9,107	10,309	10,401
S&E	1,376	1,891	1,900	1,983	2,066	2,198	2,262
Sciences	954	1,427	1,436	1,534	1,596	1,747	1,808

TABLE E-6. Master's degrees awarded to males, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Agricultural sciences	46	35	49	56	36	37	45
Biological sciences	48	50	77	69	68	73	92
Computer sciences	205	214	234	229	262	325	345
Mathematics/statistics	62	58	74	75	65	46	65
Physical sciences	74	86	59	74	81	65	82
Psychology	161	204	223	245	254	311	301
Social sciences	358	780	720	786	830	890	878
Engineering	422	464	464	449	470	451	454
Non-S&E	5,631	5,745	6,098	6,461	7,041	8,111	8,139
Hispanic							
All fields	5,483	5,725	6,072	6,466	6,848	8,004	8,238
S&E	1,427	1,612	1,664	1,718	1,795	1,910	1,958
Sciences	845	1,034	1,084	1,129	1,166	1,259	1,341
Agricultural sciences	105	56	55	51	58	59	49
Biological sciences	65	75	85	110	97	122	142
Computer sciences	120	159	137	152	142	199	284
Mathematics/statistics	44	50	55	46	46	59	40
Physical sciences	80	88	80	86	87	77	90
Psychology	141	168	172	200	209	230	236
Social sciences	290	438	500	484	527	513	500
Engineering	582	578	580	589	629	651	617
Non-S&E	4,056	4,113	4,408	4,748	5,053	6,094	6,280
American Indian/Alaskan Native							
All fields	654	623	665	697	739	778	828
S&E	161	157	167	196	182	193	217
Sciences	113	117	116	150	136	145	174
Agricultural sciences	8	10	6	10	15	18	11
Biological sciences	12	11	9	11	9	14	15
Computer sciences	12	11	19	16	12	22	39
Mathematics/statistics	5	5	4	8	3	5	6
Physical sciences	13	11	6	11	13	13	9
Psychology	19	30	22	34	32	15	29
Social sciences	44	39	50	60	52	58	65
Engineering	48	40	51	46	46	48	43
Non-S&E	493	466	498	501	557	585	611
Other or unknown race/ethnicity							
All fields	8,928	9,015	9,139	9,122	8,785	11,334	13,548
S&E	2,329	2,509	2,530	2,179	2,096	2,417	2,781
Sciences	1,405	1,571	1,606	1,416	1,391	1,669	1,958
Agricultural sciences	62	107	77	75	70	77	77
Biological sciences	94	79	106	100	131	123	139
Computer sciences	348	349	321	320	321	433	583
Mathematics/statistics	146	94	94	68	94	75	87
Physical sciences	193	150	180	107	108	122	128
Psychology	122	150	164	139	137	225	203
Social sciences	440	642	664	607	530	614	741
Engineering	924	938	924	763	705	748	823
Non-S&E	6,599	6,506	6,609	6,943	6,689	8,917	10,767
Temporary resident							
All fields	30,141	31,159	30,050	30,201	31,480	32,789	36,141
S&E	15,761	16,545	15,525	14,986	15,709	16,449	18,363
Sciences	7,615	8,181	7,921	7,799	8,271	8,653	9,617
Agricultural sciences	444	421	398	411	355	298	245
Biological sciences	462	453	460	415	396	291	366
Computer sciences	2,948	2,917	2,904	2,861	3,401	4,241	5,011

TABLE E-6. Master's degrees awarded to males, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	2000	2001
Mathematics/statistics	738	742	671	646	656	624	729
Physical sciences	1,236	1,220	1,186	1,139	978	895	934
Psychology	130	145	121	125	113	121	127
Social sciences	1,657	2,283	2,181	2,202	2,372	2,183	2,205
Engineering	8,146	8,364	7,604	7,187	7,438	7,796	8,746
Non-S&E	14,380	14,614	14,525	15,215	15,771	16,340	17,778

NOTES: Physical sciences include earth, atmospheric, and ocean sciences; physics; astronomy; and chemistry. Data on race/ethnicity were collected on broad fields of study only until 1994; therefore, 1994 data could not be adjusted to the exact field taxonomies used by the National Science Foundation (NSF). The primary difference between 1994 and later years is that history was included in social sciences in 1994 but is included in non-S&E from 1995 on. Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups. Data are not available for 1999.

SOURCE: NSF, Division of Science Resources Statistics, special tabulations of U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey, 1994–2001.

TABLE F-1. S&amp;E doctoral degrees awarded, by field: 1994–2001

Field	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	26,205	26,536	27,243	27,242	27,283	25,940	25,951	25,509
Sciences	20,383	20,528	20,934	21,124	21,356	20,608	20,631	20,007
Agricultural sciences	1,078	1,036	1,036	982	1,037	966	942	848
Biological sciences	5,203	5,375	5,724	5,789	5,846	5,583	5,849	5,678
Computer sciences	903	997	920	909	927	855	859	826
Earth, atmospheric, and ocean sciences	824	780	794	878	814	805	757	749
Atmospheric	129	130	125	149	125	124	143	116
Earth	509	454	452	489	504	452	386	394
Oceanography	125	115	134	144	112	130	134	119
Other geosciences	61	81	83	96	73	99	94	120
Mathematics and statistics	1,118	1,190	1,122	1,123	1,177	1,083	1,049	1,006
Physical sciences	3,977	3,841	3,838	3,769	3,825	3,579	3,408	3,389
Astronomy	144	173	192	198	207	159	185	186
Chemistry	2,257	2,162	2,148	2,148	2,216	2,132	1,989	1,979
Physics	1,548	1,479	1,485	1,401	1,378	1,271	1,205	1,193
Other	28	27	13	22	24	17	29	31
Psychology	3,379	3,430	3,497	3,562	3,676	3,673	3,618	3,433
Social sciences	3,901	3,879	4,003	4,112	4,054	4,064	4,149	4,078
Anthropology	418	410	418	469	459	489	482	448
Area and ethnic studies	122	121	143	94	114	109	127	144
Economics	1,101	1,152	1,177	1,163	1,156	1,075	1,085	1,084
History of science	27	41	37	36	43	50	42	40
Linguistics	221	201	230	244	220	251	229	229
Political science and public administration	930	895	928	975	959	1,016	986	982
Sociology	548	555	528	601	579	572	633	577
Other	534	504	542	530	524	502	565	574
Engineering	5,822	6,008	6,309	6,118	5,927	5,332	5,320	5,502
Aerospace	230	252	287	273	242	207	215	203
Chemical	725	708	798	767	776	674	725	726
Civil	684	656	698	656	650	584	555	593
Electrical	1,673	1,731	1,741	1,721	1,596	1,478	1,542	1,577
Mechanical	1,015	1,025	1,052	1,023	1,023	855	863	953
Materials	539	588	574	582	565	469	451	499
Industrial	228	284	259	246	229	212	176	205
Other	728	764	900	850	846	853	793	746

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.

TABLE F-2. S&amp;E doctoral degrees awarded to women, by field: 1994–2001

Field	1994	1995	1996	1997	1998	1999	2000	2001	1994	2001
	Number								Percent	
All S&E fields	7,921	8,287	8,651	8,936	9,347	9,086	9,384	9,303	30.2	36.5
Sciences	7,286	7,591	7,874	8,186	8,573	8,297	8,547	8,378	35.7	41.9
Agricultural sciences	249	228	282	260	298	280	274	288	23.1	34.0
Biological sciences	2,109	2,217	2,415	2,495	2,536	2,394	2,618	2,545	40.5	44.8
Computer sciences	137	186	139	150	159	156	141	155	15.2	18.8
Earth, atmospheric, and ocean sciences	183	170	172	209	219	210	230	236	22.2	31.5
Atmospheric	26	23	22	25	30	22	33	28	20.2	24.1
Earth	95	91	88	119	127	112	109	115	18.7	29.2
Oceanography	38	28	39	38	32	45	46	45	30.4	37.8
Other	24	28	23	27	30	31	42	48	39.3	40.0
Mathematics and statistics	236	265	231	263	297	277	258	276	21.1	27.4
Physical sciences	828	878	842	852	926	831	835	834	20.8	24.6
Astronomy	25	30	41	37	45	33	40	41	17.4	22.0
Chemistry	625	661	605	613	695	632	624	628	27.7	31.7
Physics	175	182	193	193	177	160	163	155	11.3	13.0
Other	3	5	3	9	9	6	8	10	10.7	32.3
Psychology	2,101	2,181	2,331	2,365	2,455	2,453	2,410	2,296	62.2	66.9
Social sciences	1,443	1,466	1,462	1,592	1,683	1,696	1,781	1,748	37.0	42.9
Anthropology	225	237	225	261	262	275	276	262	53.8	58.5
Area and ethnic studies	65	65	76	52	63	59	67	95	53.3	66.0
Economics	249	279	263	266	312	291	293	306	22.6	28.2
History of science	10	17	10	13	19	18	17	8	37.0	20.0
Linguistics	134	102	113	135	123	148	134	136	60.6	59.4
Political science and public administration	282	266	305	298	364	356	365	328	30.3	33.4
Sociology	283	294	276	334	317	342	374	337	51.6	58.4
Other	195	206	194	233	223	207	255	276	36.5	48.1
Engineering	635	696	777	750	774	789	837	925	10.9	16.8
Aerospace	11	14	24	16	15	17	21	28	4.8	13.8
Chemical	113	109	143	122	140	123	151	180	15.6	24.8
Civil	80	76	79	80	100	89	88	111	11.7	18.7
Electrical	147	173	169	150	156	155	195	203	8.8	12.9
Mechanical	69	64	78	88	93	96	96	91	6.8	9.5
Materials	83	95	84	106	84	88	83	105	15.4	21.0
Industrial	33	50	51	40	40	43	35	44	14.5	21.5
Other	99	115	149	148	146	178	168	163	13.6	21.8

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.

TABLE F-3. S&amp;E doctoral degrees awarded to men, by field: 1994–2001

Field	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	18,165	18,117	18,454	18,089	17,816	16,737	16,512	16,162
Sciences	13,015	12,847	12,966	12,770	12,702	12,232	12,057	11,598
Agricultural sciences	827	804	754	715	738	682	668	555
Biological sciences	3,076	3,131	3,287	3,262	3,295	3,171	3,225	3,125
Computer sciences	762	808	775	743	765	692	716	668
Earth, atmospheric, and ocean sciences	635	608	614	663	592	591	522	512
Atmospheric	101	106	100	124	93	101	108	87
Earth	411	362	361	366	376	338	276	279
Oceanography	86	87	94	105	80	85	88	74
Other	37	53	59	68	43	67	50	72
Mathematics and statistics	879	919	881	851	872	803	790	730
Physical sciences	3,128	2,944	2,969	2,893	2,880	2,733	2,568	2,550
Astronomy	119	143	151	161	162	126	145	145
Chemistry	1,621	1,488	1,525	1,523	1,509	1,493	1,361	1,348
Physics	1,364	1,291	1,283	1,196	1,195	1,103	1,041	1,036
Other	24	22	10	13	14	11	21	21
Psychology	1,273	1,246	1,163	1,163	1,207	1,210	1,205	1,134
Social sciences	2,435	2,387	2,523	2,480	2,353	2,350	2,363	2,324
Anthropology	193	172	193	203	194	214	206	186
Area and ethnic studies	57	55	67	42	51	48	60	49
Economics	845	864	905	876	840	781	790	776
History of science	17	24	27	22	24	32	25	32
Linguistics	87	98	116	107	96	99	95	93
Political science and public administration	643	620	620	674	594	655	619	650
Sociology	261	258	247	265	260	228	258	240
Other	332	296	348	291	294	293	310	298
Engineering	5,150	5,270	5,488	5,319	5,114	4,505	4,455	4,564
Aerospace	219	237	262	254	226	189	192	174
Chemical	609	597	653	641	630	550	571	544
Civil	598	575	616	572	544	495	465	481
Electrical	1,516	1,545	1,556	1,561	1,429	1,310	1,335	1,372
Mechanical	940	954	963	929	923	751	766	859
Materials	452	489	483	470	477	376	367	393
Industrial	195	231	208	205	188	169	140	160
Other	621	642	747	687	697	665	619	581

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.



TABLE F-4. Top 50 baccalaureate institutions of S&amp;E doctorate recipients, by sex: 1997–2001

Academic institution	Doctorates	Academic institution	Doctorates
Female, all institutions	46,056	Male, all institutions	85,316
Foreign	9,712	Foreign	28,866
Unknown	4,629	Unknown	9,115
Top 50 U.S.	11,302	Top 50 U.S.	19,394
University of California, Berkeley	567	University of California, Berkeley	1,045
Cornell University	482	Cornell University	799
University of Michigan–Ann Arbor	447	University of Illinois at Urbana-Champaign	772
University of California, Los Angeles	336	Massachusetts Institute of Technology	706
Harvard University	321	University of Michigan–Ann Arbor	632
University of Illinois at Urbana-Champaign	318	Pennsylvania State University, main campus	612
University of Wisconsin–Madison	313	University of Wisconsin–Madison	590
University of California, Davis	303	Harvard University	535
University of Texas at Austin	303	University of Texas at Austin	507
Pennsylvania State University, main campus	278	Brigham Young University	504
Stanford University	269	Purdue University	477
Massachusetts Institute of Technology	266	University of California, Davis	465
University of Pennsylvania	256	University of California, Los Angeles	458
University of California, San Diego	249	Texas A&M University, main campus	457
Texas A&M University, main campus	244	Virginia Polytechnic Institute and State University	423
Yale University	240	Stanford University	420
University of Virginia, main campus	234	University of Minnesota, Twin Cities	417
Michigan State University	233	University of Florida	387
Brown University	225	Princeton University	373
University of Minnesota, Twin Cities	222	University of California, San Diego	371
Duke University	220	Michigan State University	363
University of Washington–Seattle	214	University of Washington–Seattle	357
Rutgers, the State Univ of New Jersey–New Brunswick	207	University of Virginia, main campus	352
University of Florida	204	University of Colorado at Boulder	343
University of North Carolina at Chapel Hill	203	Ohio State University, main campus	342
University of California, Irvine	202	Yale University	335
University of Colorado at Boulder	195	Rutgers, the State Univ of New Jersey–New Brunswick	332
Wellesley College	195	University of Maryland, College Park	320
Purdue University, main campus	191	University of Pennsylvania	313
Ohio State University, main campus	185	California Institute of Technology	297
Princeton University	183	Brown University	294
University of Maryland, College Park	182	Georgia Institute of Technology, main campus	294
Northwestern University	179	North Carolina State University at Raleigh	294
University of California, Santa Cruz	174	Rensselaer Polytechnic Institute	286
University of Arizona	172	Duke University	283
Smith College	171	Iowa State University	283
Virginia Polytechnic Institute and State University	171	University of Arizona	282
University of Puerto Rico, Rio Piedras campus	169	University of Chicago	281
University of California, Santa Barbara	167	Carnegie Mellon University	252
University of Chicago	166	University of California, Santa Cruz	252
University of Massachusetts, Amherst	166	University of Massachusetts, Amherst	242
Indiana University, Bloomington	158	State University of New York at Buffalo	241
College of William and Mary	157	University of Notre Dame	241
Boston University	149	University of California, Santa Barbara	237
Washington University	146	Rice University	227
Bryn Mawr College	143	University of North Carolina at Chapel Hill	223
Tufts University	134	University of California, Irvine	222
State University of New York at Binghamton	132	Johns Hopkins University	219
University of Iowa	131	Northwestern University	219
Dartmouth College	130	Washington University	218
Other U.S.	20,413	Other U.S.	27,941

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2001

Race/ethnicity and citizenship	All fields	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Non-S&E	
														Number
All races/ethnicities	40,744	25,509	20,007	848	5,678	826	749	1,006	3,389	3,433	4,078	5,502	15,235	
U.S. citizen	26,907	14,999	12,860	401	3,876	365	428	468	1,860	2,938	2,524	2,139	11,908	
Permanent resident	1,822	1,263	967	28	340	55	36	54	183	75	196	296	559	
Temporary resident	9,780	7,925	5,153	358	1,239	356	252	435	1,213	152	1,148	2,772	1,855	
White	25,354	14,905	12,506	455	3,499	409	488	600	2,013	2,535	2,507	2,399	10,449	
U.S. citizen	21,842	12,211	10,566	361	3,124	298	383	395	1,556	2,400	2,049	1,645	9,631	
Permanent resident	745	497	396	10	116	21	11	32	91	38	77	101	248	
Temporary resident	2,634	2,097	1,480	83	250	89	92	173	355	73	365	617	537	
Asian/Pacific Islander	8,140	6,540	4,179	205	1,394	291	159	267	951	188	724	2,361	1,600	
U.S. citizen	1,428	1,058	797	7	365	34	15	30	125	106	115	261	370	
Permanent resident	773	578	417	9	187	27	20	18	77	14	65	161	195	
Temporary resident	5,899	4,870	2,951	186	840	229	124	219	745	65	543	1,919	1,029	
Black	2,000	864	738	22	162	16	8	26	81	177	246	126	1,136	
U.S. citizen	1,604	625	543	8	121	13	5	17	45	169	165	82	979	
Permanent resident	117	71	61	4	15	2	0	2	9	5	24	10	46	
Temporary resident	265	164	131	10	25	1	3	7	26	2	57	33	101	
Hispanic	1,888	1,181	973	91	247	29	41	35	107	187	236	208	707	
U.S. citizen	1,119	581	508	14	149	6	11	14	61	159	94	73	538	
Permanent resident	143	88	70	5	15	2	4	1	4	15	24	18	55	
Temporary resident	613	503	386	71	82	21	26	20	41	7	118	117	110	
American Indian/Alaskan Native	164	84	70	0	15	1	0	2	12	19	21	14	80	
U.S. citizen	149	72	65	0	15	0	0	1	12	17	20	7	77	
Permanent resident	2	2	2	0	0	1	0	1	0	0	0	0	0	
Temporary resident	12	9	2	0	0	0	0	0	0	2	0	7	3	
Other/unknown race/ethnicity	3,198	1,935	1,541	75	361	80	53	76	225	327	344	394	1,263	
U.S. citizen	765	452	381	11	102	14	14	11	61	87	81	71	313	
Permanent resident	42	27	21	0	7	2	1	0	2	3	6	6	15	
Temporary resident	357	282	203	8	42	16	7	16	46	3	65	79	75	
	Percent distribution													
All doctorate recipients	100.0	62.6	13.5	2.1	13.9	2.0	1.8	2.5	8.3	8.4	10.0	13.5	37.4	
U.S. citizen	100.0	55.7	7.9	1.5	14.4	1.4	1.6	1.7	6.9	10.9	9.4	7.9	44.3	
Permanent resident	100.0	69.3	16.2	1.5	18.7	3.0	2.0	3.0	10.0	4.1	10.8	16.2	30.7	
Temporary resident	100.0	81.0	28.3	3.7	12.7	3.6	2.6	4.4	12.4	1.6	11.7	28.3	19.0	
White	100.0	58.8	9.5	1.8	13.8	1.6	1.9	2.4	7.9	10.0	9.9	9.5	41.2	
U.S. citizen	100.0	55.9	7.5	1.7	14.3	1.4	1.8	1.8	7.1	11.0	9.4	7.5	44.1	
Permanent resident	100.0	66.7	13.6	1.3	15.6	2.8	1.5	4.3	12.2	5.1	10.3	13.6	33.3	
Temporary resident	100.0	79.6	23.4	3.2	9.5	3.4	3.5	6.6	13.5	2.8	13.9	23.4	20.4	

TABLE F-5. Field distribution of doctorate recipients, by race/ethnicity and citizenship: 2001

Race/ethnicity and citizenship	All fields	All S&E	Sciences	Agric- cultural sciences	Bio- logical sciences	Computer sciences	Earth, atmo- spheric, and ocean sciences	Mathe- matics and statistics	Physical sciences	Psych- ology	Social sciences	Engi- neering	Non- S&E
Asian/Pacific Islander	100.0	80.3	29.0	2.5	17.1	3.6	2.0	3.3	11.7	2.3	8.9	29.0	19.7
U.S. citizen	100.0	74.1	18.3	0.5	25.6	2.4	1.1	2.1	8.8	7.4	8.1	18.3	25.9
Permanent resident	100.0	74.8	20.8	1.2	24.2	3.5	2.6	2.3	10.0	1.8	8.4	20.8	25.2
Temporary resident	100.0	82.6	32.5	3.2	14.2	3.9	2.1	3.7	12.6	1.1	9.2	32.5	17.4
Black	100.0	43.2	6.3	1.1	8.1	0.8	0.4	1.3	4.1	8.9	12.3	6.3	56.8
U.S. citizen	100.0	39.0	5.1	0.5	7.5	0.8	0.3	1.1	2.8	10.5	10.3	5.1	61.0
Permanent resident	100.0	60.7	8.5	3.4	12.8	1.7	0.0	1.7	7.7	4.3	20.5	8.5	39.3
Temporary resident	100.0	61.9	12.5	3.8	9.4	0.4	1.1	2.6	9.8	0.8	21.5	12.5	38.1
Hispanic	100.0	62.6	11.0	4.8	13.1	1.5	2.2	1.9	5.7	9.9	12.5	11.0	37.4
U.S. citizen	100.0	51.9	6.5	1.3	13.3	0.5	1.0	1.3	5.5	14.2	8.4	6.5	48.1
Permanent resident	100.0	61.5	12.6	3.5	10.5	1.4	2.8	0.7	2.8	10.5	16.8	12.6	38.5
Temporary resident	100.0	82.1	19.1	11.6	13.4	3.4	4.2	3.3	6.7	1.1	19.2	19.1	17.9
American Indian/Alaskan Native	100.0	51.2	8.5	0.0	9.1	0.6	0.0	1.2	7.3	11.6	12.8	8.5	48.8
U.S. citizen	100.0	48.3	4.7	0.0	10.1	0.0	0.0	0.7	8.1	11.4	13.4	4.7	51.7
Permanent resident	100.0	100.0	0.0	0.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Temporary resident	100.0	75.0	58.3	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	58.3	25.0
Other/unknown race/ethnicity	100.0	60.5	12.3	2.3	11.3	2.5	1.7	2.4	7.0	10.2	10.8	12.3	39.5
U.S. citizen	100.0	59.1	9.3	1.4	13.3	1.8	1.8	1.4	8.0	11.4	10.6	9.3	40.9
Permanent resident	100.0	64.3	14.3	0.0	16.7	4.8	2.4	0.0	4.8	7.1	14.3	14.3	35.7
Temporary resident	100.0	79.0	22.1	2.2	11.8	4.5	2.0	4.5	12.9	0.8	18.2	22.1	21.0

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001.

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1994–2001

Field and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	18,187	18,997	18,650	18,398	18,257	17,565	17,106	16,262
White	13,882	13,889	13,997	13,827	14,001	13,717	13,431	12,708
Asian/Pacific Islander	2,981	3,659	3,079	2,530	2,135	1,936	1,705	1,636
Black	499	550	573	615	646	714	711	696
Hispanic	548	573	626	659	754	721	728	669
American Indian/Alaskan Native	64	67	96	79	97	114	88	74
Other or unknown race/ethnicity	213	259	279	688	624	363	443	479
Sciences	15,134	15,655	15,261	15,066	15,211	14,677	14,537	13,827
White	11,862	11,797	11,734	11,540	11,831	11,607	11,545	10,962
Asian/Pacific Islander	2,116	2,627	2,183	1,823	1,581	1,424	1,266	1,214
Black	445	480	499	517	563	616	630	604
Hispanic	482	496	527	562	644	639	646	578
American Indian/Alaskan Native	58	58	82	62	84	102	80	67
Other/unknown	171	197	236	562	508	289	370	402
Agricultural sciences	616	598	576	550	543	494	502	429
White	487	473	443	411	417	398	414	371
Asian/Pacific Islander	72	78	80	63	47	46	30	16
Black	22	17	24	24	19	24	18	12
Hispanic	25	21	13	26	35	15	26	19
American Indian/Alaskan Native	1	2	6	5	9	1	4	0
Other or unknown race/ethnicity	9	7	10	21	16	10	10	11
Biological sciences	4,088	4,329	4,365	4,256	4,308	4,124	4,265	4,216
White	3,105	3,115	3,171	3,158	3,246	3,128	3,306	3,240
Asian/Pacific Islander	719	920	885	721	657	609	538	552
Black	78	107	98	112	111	116	118	136
Hispanic	131	127	131	146	168	175	173	164
American Indian/Alaskan Native	16	15	20	7	12	20	17	15
Other or unknown race/ethnicity	39	45	60	112	114	76	113	109
Computer sciences	543	616	514	520	561	492	457	420
White	401	450	356	361	412	356	335	319
Asian/Pacific Islander	116	137	111	107	90	87	76	61
Black	10	11	12	4	14	18	18	15
Hispanic	7	6	16	16	15	14	14	8
American Indian/Alaskan Native	1	0	4	1	4	1	1	1
Other or unknown race/ethnicity	8	12	15	31	26	16	13	16
Earth, atmospheric, ocean sciences	613	594	558	607	562	525	508	464
White	504	464	449	487	464	433	430	394
Asian/Pacific Islander	89	104	77	71	51	39	27	35
Black	6	3	4	8	8	14	7	5
Hispanic	8	13	19	16	16	21	18	15
American Indian/Alaskan Native	1	0	2	2	3	6	5	0
Other or unknown race/ethnicity	5	10	7	23	20	12	21	15
Atmospheric sciences	91	93	83	102	85	76	86	61
White	65	64	61	79	69	62	73	51
Asian/Pacific Islander	25	28	19	19	9	9	6	5
Black	1	0	0	0	2	2	1	0
Hispanic	0	0	1	1	1	3	2	1
American Indian/Alaskan Native	0	0	1	0	0	0	0	0
Other/unknown	0	1	1	3	4	0	4	4
Earth sciences	396	348	330	349	348	295	269	259
White	324	278	274	286	291	242	234	223
Asian/Pacific Islander	54	56	37	34	29	20	12	19
Black	4	0	2	5	3	6	1	2
Hispanic	8	7	12	10	9	11	8	7
American Indian/Alaskan Native	1	0	0	0	3	6	4	0

TABLE F-6. S&E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1994–2001

Field and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Other/unknown	5	7	5	14	13	10	10	8
Oceanography	82	85	92	87	81	87	97	73
White	74	67	71	68	67	71	86	62
Asian/Pacific Islander	8	14	14	8	6	6	3	4
Black	0	1	0	1	0	3	1	3
Hispanic	0	3	6	4	6	6	5	1
American Indian/Alaskan Native	0	0	0	2	0	0	0	0
Other or unknown race/ethnicity	0	0	1	4	2	1	2	3
Other	44	68	53	69	48	67	56	71
White	41	55	43	54	37	58	37	58
Asian/Pacific Islander	2	6	7	10	7	4	6	7
Black	1	2	2	2	3	3	4	0
Hispanic	0	3	0	1	0	1	3	6
American Indian/Alaskan Native	0	0	1	0	0	0	1	0
Other or unknown race/ethnicity	0	2	0	2	1	1	5	0
Mathematics and statistics	657	771	648	629	669	605	573	522
White	479	535	478	479	526	505	463	427
Asian/Pacific Islander	142	207	140	97	71	57	70	48
Black	11	5	8	7	16	12	14	19
Hispanic	13	15	11	20	27	15	15	15
American Indian/Alaskan Native	2	2	1	1	3	1	2	2
Other or unknown race/ethnicity	10	7	10	25	26	15	9	11
Physical sciences	2,789	2,841	2,570	2,497	2,455	2,277	2,092	2,043
White	2,024	1,924	1,884	1,883	1,915	1,839	1,691	1,647
Asian/Pacific Islander	598	749	501	400	331	253	203	202
Black	46	42	60	52	56	66	62	54
Hispanic	90	73	67	69	54	63	78	65
American Indian/Alaskan Native	6	7	6	10	10	9	9	12
Other or unknown race/ethnicity	25	46	52	83	89	47	49	63
Astronomy	112	141	149	158	147	117	139	123
White	97	111	131	132	120	109	115	103
Asian/Pacific Islander	10	22	12	8	13	3	13	6
Black	0	1	0	2	1	2	1	1
Hispanic	2	4	2	3	2	1	3	7
American Indian/Alaskan Native	0	0	0	1	1	1	1	1
Other or unknown race/ethnicity	3	3	4	12	10	1	6	5
Chemistry	1,616	1,624	1,462	1,439	1,467	1,406	1,241	1,229
White	1,179	1,112	1,061	1,078	1,129	1,090	988	974
Asian/Pacific Islander	331	415	295	234	206	183	121	125
Black	34	33	45	35	45	56	44	42
Hispanic	59	43	36	44	34	46	51	43
American Indian/Alaskan Native	4	5	4	6	7	5	7	11
Other or unknown race/ethnicity	9	16	21	42	46	26	30	34
Physics	1,044	1,059	949	883	823	742	692	676
White	735	687	683	658	650	629	571	555
Asian/Pacific Islander	254	311	193	157	111	67	68	71
Black	11	8	15	15	10	8	16	11
Hispanic	29	26	29	22	18	16	23	15
American Indian/Alaskan Native	2	2	2	2	2	3	1	0
Other or unknown race/ethnicity	13	25	27	29	32	19	13	24
Other	17	17	10	17	18	12	20	15
White	13	14	9	15	16	11	17	15
Asian/Pacific Islander	3	1	1	1	1	0	1	0
Black	1	0	0	0	0	0	1	0
Hispanic	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	0	0	0	1	0	0	0	0

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1994–2001

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Field and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Other or unknown race/ethnicity	0	2	0	0	1	1	0	0
Psychology	3,136	3,185	3,235	3,130	3,274	3,293	3,230	3,013
White	2,729	2,723	2,745	2,525	2,645	2,702	2,603	2,438
Asian/Pacific Islander	108	121	121	126	113	132	146	120
Black	124	149	152	151	158	172	190	174
Hispanic	133	146	173	171	208	215	211	174
American Indian/Alaskan Native	12	14	18	18	31	35	22	17
Other or unknown race/ethnicity	30	32	26	139	119	37	58	90
Social sciences	2,692	2,721	2,795	2,877	2,839	2,867	2,910	2,720
White	2,133	2,113	2,208	2,236	2,206	2,246	2,303	2,126
Asian/Pacific Islander	272	311	268	238	221	201	176	180
Black	148	146	141	159	181	194	203	189
Hispanic	75	95	97	98	121	121	111	118
American Indian/Alaskan Native	19	18	25	18	12	29	20	20
Other or unknown race/ethnicity	45	38	56	128	98	76	97	87
Anthropology	359	358	341	376	380	401	411	367
White	309	298	289	299	298	330	337	289
Asian/Pacific Islander	18	21	15	14	18	19	19	19
Black	13	6	6	12	10	15	21	13
Hispanic	7	19	13	16	21	12	13	20
American Indian/Alaskan Native	6	5	5	3	5	8	5	8
Other or unknown race/ethnicity	6	9	13	32	28	17	16	18
Area and ethnic studies	99	106	123	88	104	94	118	130
White	73	79	95	70	79	69	93	98
Asian/Pacific Islander	7	8	8	3	2	4	5	4
Black	10	11	9	9	17	13	11	17
Hispanic	3	2	3	1	4	3	5	5
American Indian/Alaskan Native	3	1	2	4	1	3	1	2
Other or unknown race/ethnicity	3	5	6	1	1	2	3	4
Economics	566	626	608	590	578	543	503	459
White	430	459	450	431	428	417	397	358
Asian/Pacific Islander	93	120	103	89	85	65	48	56
Black	23	25	22	22	23	28	22	12
Hispanic	15	14	20	25	26	21	22	18
American Indian/Alaskan Native	1	2	1	1	0	1	1	2
Other or unknown race/ethnicity	4	6	12	22	16	11	13	13
History of science	26	33	29	33	35	42	35	39
White	23	30	27	25	31	36	32	31
Asian/Pacific Islander	2	2	0	2	0	3	0	3
Black	1	0	1	3	0	1	1	1
Hispanic	0	1	1	0	1	0	1	2
American Indian/Alaskan Native	0	0	0	0	0	0	0	0
Other or unknown race/ethnicity	0	0	0	3	3	2	1	2
Linguistics	131	118	118	159	136	156	118	123
White	96	95	88	117	103	123	98	97
Asian/Pacific Islander	27	16	20	25	22	13	11	9
Black	0	1	4	3	4	4	1	6
Hispanic	8	5	4	7	6	13	4	4
American Indian/Alaskan Native	0	0	1	1	0	1	0	0
Other or unknown race/ethnicity	0	1	1	6	1	2	4	7
Political science and public administration	715	689	743	789	791	805	803	747
White	570	560	592	655	633	640	637	586
Asian/Pacific Islander	48	51	46	45	42	46	38	36
Black	52	49	59	37	55	59	61	71
Hispanic	24	21	29	19	35	31	28	21
American Indian/Alaskan Native	4	2	4	4	3	7	4	5

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1994–2001

Field and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Other or unknown race/ethnicity	17	6	13	29	23	22	35	28
Sociology	420	429	424	461	442	459	514	469
White	332	328	328	346	345	346	382	349
Asian/Pacific Islander	38	50	44	29	23	30	32	30
Black	26	29	25	42	40	45	57	44
Hispanic	12	16	13	19	15	26	26	38
American Indian/Alaskan Native	4	1	7	4	3	4	6	2
Other or unknown race/ethnicity	8	5	7	21	16	8	11	6
Other	376	362	409	381	373	367	408	386
White	300	264	339	293	289	285	327	318
Asian/Pacific Islander	39	43	32	31	29	21	23	23
Black	23	25	15	31	32	29	29	25
Hispanic	6	17	14	11	13	15	12	10
American Indian/Alaskan Native	1	7	5	1	0	5	3	1
Other or unknown race/ethnicity	7	6	4	14	10	12	14	9
Engineering	3,053	3,342	3,389	3,332	3,046	2,888	2,569	2,435
White	2,020	2,092	2,263	2,287	2,170	2,110	1,886	1,746
Asian/Pacific Islander	865	1,032	896	707	554	512	439	422
Black	54	70	74	98	83	98	81	92
Hispanic	66	77	99	97	110	82	82	91
American Indian/Alaskan Native	6	9	14	17	13	12	8	7
Other or unknown race/ethnicity	42	62	43	126	116	74	73	77
Aerospace	130	153	184	168	152	112	127	102
White	100	119	149	137	126	97	107	79
Asian/Pacific Islander	23	24	28	16	12	13	11	12
Black	1	1	5	3	1	1	4	1
Hispanic	3	7	2	4	5	0	3	5
American Indian/Alaskan Native	1	0	0	0	0	0	0	0
Other or unknown race/ethnicity	2	2	0	8	8	1	2	5
Chemical	380	381	391	409	374	371	382	355
White	259	256	274	293	275	286	280	268
Asian/Pacific Islander	96	101	80	73	65	58	69	52
Black	8	3	12	16	3	11	8	17
Hispanic	7	13	19	7	13	7	18	7
American Indian/Alaskan Native	1	2	1	4	3	2	1	1
Other or unknown race/ethnicity	9	6	5	16	15	7	6	10
Civil	292	309	305	327	297	312	260	269
White	199	194	199	220	216	241	193	194
Asian/Pacific Islander	69	91	89	72	38	46	43	37
Black	8	11	8	10	10	6	6	11
Hispanic	14	11	6	12	16	12	9	9
American Indian/Alaskan Native	0	0	2	2	0	2	1	0
Other or unknown race/ethnicity	2	2	1	11	17	5	8	18
Electrical	899	971	929	940	804	765	647	561
White	548	590	589	579	523	510	442	370
Asian/Pacific Islander	303	322	276	256	205	172	141	133
Black	17	24	22	31	23	30	21	22
Hispanic	21	15	27	26	31	29	22	22
American Indian/Alaskan Native	1	1	2	5	3	1	0	1
Other or unknown race/ethnicity	9	19	13	43	19	23	21	13
Industrial	119	149	136	119	101	100	77	88
White	83	93	94	80	72	81	59	53
Asian/Pacific Islander	28	41	28	22	11	07	11	22
Black	6	8	3	9	8	7	4	6
Hispanic	1	4	6	5	7	4	0	3
American Indian/Alaskan Native	0	1	3	0	0	0	0	1

TABLE F-6. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field and race/ethnicity: 1994–2001

Field and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Other or unknown race/ethnicity	1	2	2	3	3	1	3	3
Materials	297	352	337	315	313	260	244	225
White	202	194	217	234	225	184	190	165
Asian/Pacific Islander	82	136	102	59	55	52	34	38
Black	3	6	3	4	10	7	5	6
Hispanic	4	7	6	10	8	8	8	9
American Indian/Alaskan Native	1	0	2	0	2	2	0	1
Other or unknown race/ethnicity	5	9	7	8	13	7	7	6
Mechanical	538	563	588	538	516	463	397	427
White	337	339	392	376	371	335	279	300
Asian/Pacific Islander	179	188	166	113	89	88	72	76
Black	7	13	10	12	14	12	18	17
Hispanic	8	8	13	15	19	9	12	21
American Indian/Alaskan Native	0	2	3	6	2	2	3	1
Other or unknown race/ethnicity	7	13	4	16	21	17	13	12
Other	398	464	519	516	489	505	435	408
White	292	307	349	368	362	376	336	317
Asian/Pacific Islander	85	129	127	96	79	76	58	52
Black	4	4	11	13	14	24	15	12
Hispanic	8	12	20	18	11	13	10	15
American Indian/Alaskan Native	2	3	1	0	3	3	3	2
Other/unknown	7	9	11	21	20	13	13	10

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.



TABLE F-7. Top baccalaureate institutions of black S&amp;E doctorate recipients: 1997–2001

Academic institution	Doctorates
All institutions	4,367
Foreign	981
Unknown	253
Top 51 U.S.	1,325
Howard University	110
Spelman College	68
Hampton University	54
Morehouse College	48
Massachusetts Institute of Technology	39
Harvard University	37
North Carolina Agricultural and Technical State University	37
Southern University and A&M College	36
University of California, Berkeley	30
University of Maryland, College Park	30
University of Michigan–Ann Arbor	30
Stanford University	29
Xavier University of Louisiana	29
Jackson State University	28
North Carolina State University at Raleigh	28
Cornell University	27
University of Virginia, main campus	27
Tuskegee University	26
University of California, Los Angeles	26
Brown University	25
Florida Agricultural and Mechanical University	23
Alabama A&M University	22
City University of New York City College	22
Rutgers, the State University of New Jersey–New Brunswick	22
Temple University	22
Clark Atlanta University	21
North Carolina Central University	21
Princeton University	21
University of North Carolina at Chapel Hill	21
Wayne State University	21
Prairie View A&M University	20
Yale University	20
Tougaloo College	19
University of Illinois at Urbana-Champaign	19
Fisk University	18
Morgan State University	18
Northwestern University	18
University of South Carolina, Columbia	18
Michigan State University	17
University of Pennsylvania	16
University of Tennessee at Knoxville	16
Georgia Institute of Technology, main campus	15
Norfolk State University	15
Ohio State University, main campus	15
Tennessee State University	15
University of Georgia	15
University of Texas at Austin	15
Florida State University	14
State University of New York at Buffalo	14
Texas A&M University, main campus	14
University of California–Davis	14
Other U.S.	3,133

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-8. Top baccalaureate institutions of Hispanic S&amp;E doctorate recipients: 1997–2001

Academic institution	Doctorates
All institutions	5,827
Foreign	2,118
Unknown	662
Top 52 U.S.	1,704
University of Puerto Rico Rio, Piedras campus	270
University of Puerto Rico, Mayaguez campus	127
University of Texas at Austin	74
University of California, Berkeley	73
Massachusetts Institute of Technology	53
University of California, Los Angeles	52
Florida International University	50
Texas A&M University, main campus	50
University of Florida	50
Cornell University	45
Stanford University	42
University of Texas at El Paso	41
University of California, Irvine	39
University of Miami	38
University of California, Davis	37
University of California, San Diego	36
University of New Mexico	36
New Mexico State University	28
Rutgers, the State University of New Jersey–New Brunswick	27
University of California, Santa Cruz	25
University of Arizona	22
University of Illinois at Urbana-Champaign	22
Yale University	22
California State University, Los Angeles	21
University of California, Santa Barbara	20
University of Michigan–Ann Arbor	19
California State University, Long Beach	18
California State University, Northridge	18
Harvard University	18
San Diego State University	18
University of Maryland, College Park	17
University of Puerto Rico, Cayey University College	17
University of South Florida	17
University of Washington, Seattle campus	17
St. Mary's University	16
Trinity University	16
Brown University	15
Columbia University in the City of New York	14
University of Colorado at Boulder	14
University of Houston	14
Brigham Young University, main campus	13
California Institute of Technology	13
California State Polytechnic University, San Luis Obispo	13
California State Polytechnic University, Pomona	13
City University of New York, City College	13
Duke University	13
Georgia Institute of Technology, main campus	13
Princeton University	13
Purdue University, main campus	13
Rensselaer Polytechnic Institute	13
Swarthmore College	13
University of Pennsylvania	13
Other U.S.	1,343

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-9. Top baccalaureate institutions of American Indian/Alaskan Native S&amp;E doctorate recipients: 1997–2001

Academic institution	Doctorates
All institutions	463
Foreign	39
Unknown	23
Top 32 U.S.	134
University of California, Berkeley	12
University of Oklahoma, Norman campus	12
Cornell University	5
Oklahoma State University	5
University of Missouri–Columbia	5
University of Washington, Seattle campus	5
Brigham Young University, main campus	4
Massachusetts Institute of Technology	4
Northern Arizona University	4
San Jose State University	4
Southwest Missouri State University	4
University of California, Davis	4
University of California, Irvine	4
University of Central Oklahoma	4
University of Florida	4
University of Michigan–Ann Arbor	4
University of New Mexico	4
University of Texas at Austin	4
California State University, Fresno	3
Colorado College	3
Dartmouth College	3
Louisiana State University and A&M College	3
New Mexico State University	3
Purdue University, main campus	3
University of Alaska	3
University of California, San Diego	3
University of Maryland, College Park	3
University of Massachusetts, Amherst	3
University of North Dakota	3
University of Portland	3
University of Tulsa	3
University of West Florida	3
Other U.S.	267

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-10. Top baccalaureate institutions of Asian/Pacific Islander S&amp;E doctorate recipients: 1997–2001

Academic institution	Doctorates
All institutions	33,987
Foreign	25,899
Unknown	2,352
Top 50 U.S.	3,449
University of California, Berkeley	463
Massachusetts Institute of Technology	195
University of California, Los Angeles	184
Harvard University	162
Cornell University	160
University of California, Davis	117
University of California, Irvine	112
Stanford University	108
California Institute of Technology	99
University of Michigan–Ann Arbor	95
University of Illinois at Urbana–Champaign	91
University of Texas at Austin	91
University of California, San Diego	83
University of Washington, Seattle campus	76
Princeton University	73
Yale University	73
University of Pennsylvania	65
University of Chicago	62
University of Wisconsin–Madison	60
University of Minnesota, Twin Cities	58
University of Maryland, College Park	56
University of Hawaii at Manoa	51
Boston University	49
Purdue University, main campus	49
Brown University	48
Rutgers, the State University of New Jersey–New Brunswick	44
Northwestern University	42
University of Southern California	40
Iowa State University	38
University of Virginia, main campus	37
Johns Hopkins University	36
University of Rochester	36
Carnegie Mellon University	35
Columbia University in the City of New York	35
Washington University	34
Texas A&M University, main campus	33
University of Arizona	31
Pennsylvania State University, main campus	30
Rice University	29
Ohio State University, main campus	27
University of California, Santa Barbara	26
Duke University	25
Georgia Institute of Technology, main campus	25
Harvey Mudd College	25
Mount Holyoke College	25
Rensselaer Polytechnic Institute	25
State University of New York at Stony Brook, all campuses	25
Michigan State University	22
New York University	22
University of Colorado at Boulder	22
Other U.S.	2,287

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E fields	18,187	18,997	18,650	18,398	18,257	17,565	17,106	16,262
Female	6,494	6,913	6,967	6,990	7,170	7,071	7,123	6,867
Male	11,692	12,082	11,683	11,392	11,069	10,494	9,981	9,395
Unknown	1	2	0	16	18	0	2	0
White	13,882	13,889	13,997	13,827	14,001	13,717	13,431	12,708
Female	5,154	5,215	5,351	5,268	5,492	5,456	5,503	5,257
Male	8,728	8,674	8,646	8,557	8,509	8,261	7,928	7,451
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,981	3,659	3,079	2,530	2,135	1,936	1,705	1,636
Female	817	1,111	974	889	760	717	678	686
Male	2,163	2,548	2,105	1,640	1,369	1,219	1,027	950
Unknown	1	0	0	1	6	0	0	0
Black	499	550	573	615	646	714	711	696
Female	216	263	251	285	351	367	392	373
Male	283	287	322	330	295	347	319	323
Hispanic	548	573	626	659	754	721	728	669
Female	230	232	273	266	326	362	348	332
Male	318	341	353	393	428	359	379	337
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	64	67	96	79	97	114	88	74
Female	24	25	35	34	42	55	45	32
Male	40	42	61	45	55	59	43	42
Other or unknown race/ethnicity	213	259	279	688	624	363	443	479
Female	53	67	83	248	199	114	157	187
Male	160	190	196	427	413	249	285	292
Unknown	0	2	0	13	12	0	1	0
Sciences	15,134	15,655	15,261	15,066	15,211	14,677	14,537	13,827
Female	6,046	6,393	6,441	6,478	6,718	6,579	6,633	6,393
Male	9,088	9,260	8,820	8,573	8,481	8,098	7,902	7,434
Unknown	0	2	0	15	12	0	2	0
White	11,862	11,797	11,734	11,540	11,831	11,607	11,545	10,962
Female	4,849	4,894	5,003	4,936	5,185	5,104	5,170	4,940
Male	7,013	6,903	6,731	6,602	6,646	6,503	6,375	6,022
Unknown	0	0	0	2	0	0	0	0
Asian/Pacific Islander	2,116	2,627	2,183	1,823	1,581	1,424	1,266	1,214
Female	698	941	840	770	663	633	569	590
Male	1,418	1,686	1,343	1,052	915	791	697	624
Unknown	0	0	0	1	3	0	0	0
Black	445	480	499	517	563	616	630	604
Female	203	248	232	262	329	343	368	348
Male	242	232	267	255	234	273	262	256
Hispanic	482	496	527	562	644	639	646	578
Female	224	221	258	243	313	339	335	310
Male	258	275	269	319	331	300	310	268
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	58	58	82	62	84	102	80	67
Female	22	25	33	31	38	53	41	30
Male	36	33	49	31	46	49	39	37
Other or unknown race/ethnicity	171	197	236	562	508	289	370	402
Female	50	64	75	236	190	107	150	175
Male	121	131	161	314	309	182	219	227
Unknown	0	2	0	12	9	0	1	0
Agricultural sciences	616	598	576	550	543	494	502	429
Female	160	135	175	155	183	161	166	164
Male	456	463	401	394	360	333	336	265

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Unknown	0	0	0	1	0	0	0	0
White	487	473	443	411	417	398	414	371
Female	120	104	136	118	140	125	136	135
Male	367	369	307	293	277	273	278	236
Asian/Pacific Islander	72	78	80	63	47	46	30	16
Female	20	16	29	18	18	18	9	9
Male	52	62	51	45	29	28	21	7
Black	22	17	24	24	19	24	18	12
Female	6	6	0	6	4	8	8	6
Male	16	11	24	18	15	16	10	6
Hispanic	25	21	13	26	35	15	26	19
Female	12	5	4	7	13	7	11	9
Male	13	16	9	19	22	8	15	10
American Indian/Alaskan Native	1	2	6	5	9	1	4	0
Female	0	0	4	0	2	0	1	0
Male	1	2	2	5	7	1	3	0
Other or unknown race/ethnicity	9	7	10	21	16	10	10	11
Female	2	4	2	6	6	3	1	5
Male	7	3	8	14	10	7	9	6
Unknown	0	0	0	1	0	0	0	0
Biological sciences	4,088	4,329	4,365	4,256	4,308	4,124	4,265	4,216
Female	1,743	1,859	1,941	1,920	1,921	1,864	1,984	1,958
Male	2,345	2,469	2,424	2,333	2,385	2,260	2,281	2,258
Unknown	0	1	0	3	2	0	0	0
White	3,105	3,115	3,171	3,158	3,246	3,128	3,306	3,240
Female	1,347	1,345	1,399	1,398	1,436	1,402	1,508	1,480
Male	1,758	1,770	1,772	1,759	1,810	1,726	1,798	1,760
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	719	920	885	721	657	609	538	552
Female	268	409	403	348	291	277	262	269
Male	451	511	482	373	365	332	276	283
Unknown	0	0	0	0	1	0	0	0
Black	78	107	98	112	111	116	118	136
Female	45	43	40	60	70	66	74	82
Male	33	64	58	52	41	50	44	54
Hispanic	131	127	131	146	168	175	173	164
Female	62	47	66	63	79	76	91	76
Male	69	80	65	83	89	99	82	88
American Indian/Alaskan Native	16	15	20	7	12	20	17	15
Female	5	5	9	3	6	10	7	7
Male	11	10	11	4	6	10	10	8
Other or unknown race/ethnicity	39	45	60	112	114	76	113	109
Female	16	10	24	48	39	33	42	44
Male	23	34	36	62	74	43	71	65
Unknown	0	1	0	2	1	0	0	0
Computer sciences	543	616	514	520	561	492	457	420
Female	94	143	91	100	123	105	86	98
Male	449	473	423	419	437	387	371	322
Unknown	0	0	0	1	1	0	0	0
White	401	450	356	361	412	356	335	319
Female	75	103	61	66	84	71	62	60
Male	326	347	295	295	328	285	273	259
Asian/Pacific Islander	116	137	111	107	90	87	76	61
Female	16	30	16	26	23	19	15	20
Male	100	107	95	81	67	68	61	41
Black	10	11	12	4	14	18	18	15

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Female	2	4	3	1	8	9	5	10
Male	8	7	9	3	6	9	13	5
Hispanic	7	6	16	16	15	14	14	8
Female	0	4	7	2	1	3	3	4
Male	7	2	9	14	14	11	11	4
American Indian/Alaskan Native	1	0	4	1	4	1	1	1
Female	1	0	2	1	0	1	0	0
Male	0	0	2	0	4	0	1	1
Other or unknown race/ethnicity	8	12	15	31	26	16	13	16
Female	0	2	2	4	7	2	1	4
Male	8	10	13	26	18	14	12	12
Unknown	0	0	0	1	1	0	0	0
Earth, atmospheric, and ocean sciences	613	594	558	607	562	525	508	464
Female	144	144	130	164	171	152	167	162
Male	469	450	428	442	391	373	341	302
Unknown	0	0	0	1	0	0	0	0
White	504	464	449	487	464	433	430	394
Female	123	108	109	129	140	126	140	139
Male	381	356	340	357	324	307	290	255
Unknown	0	0	0	1	0	0	0	0
Asian/Pacific Islander	89	104	77	71	51	39	27	35
Female	17	28	12	19	19	11	11	10
Male	72	76	65	52	32	28	16	25
Black	6	3	4	8	8	14	7	5
Female	1	0	2	1	2	5	4	2
Male	5	3	2	7	6	9	3	3
Hispanic	8	13	19	16	16	21	18	15
Female	2	6	6	5	6	4	3	9
Male	6	7	13	11	10	17	15	6
American Indian/Alaskan Native	1	0	2	2	3	6	5	0
Female	0	0	0	1	1	3	1	0
Male	1	0	2	1	2	3	4	0
Other or unknown race/ethnicity	5	10	7	23	20	12	21	15
Female	1	2	1	9	3	3	8	2
Male	4	8	6	14	17	9	13	13
Mathematics and statistics	657	771	648	629	669	605	573	522
Female	151	183	145	177	198	192	163	153
Male	506	588	503	452	470	413	409	369
Unknown	0	0	0	0	1	0	1	0
White	479	535	478	479	526	505	463	427
Female	118	126	105	135	150	158	125	119
Male	361	409	373	344	376	347	338	308
Asian/Pacific Islander	142	207	140	97	71	57	70	48
Female	26	49	36	28	27	21	21	16
Male	116	158	104	69	44	36	49	32
Black	11	5	8	7	16	12	14	19
Female	3	1	2	2	7	6	7	7
Male	8	4	6	5	9	6	7	12
Hispanic	13	15	11	20	27	15	15	15
Female	3	4	0	6	7	5	7	5
Male	10	11	11	14	20	10	8	10
American Indian/Alaskan Native	2	2	1	1	3	1	2	2
Female	0	1	0	0	2	0	1	1
Male	2	1	1	1	1	1	1	1
Other or unknown race/ethnicity	10	7	10	25	26	15	9	11
Female	1	2	2	6	5	2	2	5

TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	9	5	8	19	20	13	6	6
Unknown	0	0	0	0	1	0	1	0
Physical sciences	2,789	2,841	2,570	2,497	2,455	2,277	2,092	2,043
Female	625	708	610	587	604	553	546	526
Male	2,164	2,132	1,960	1,909	1,849	1,724	1,546	1,517
Unknown	0	1	0	1	2	0	0	0
White	2,024	1,924	1,884	1,883	1,915	1,839	1,691	1,647
Female	408	448	430	412	449	396	419	394
Male	1,616	1,476	1,454	1,471	1,466	1,443	1,272	1,253
Asian/Pacific Islander	598	749	501	400	331	253	203	202
Female	177	210	145	132	101	93	71	74
Male	421	539	356	267	228	160	132	128
Unknown	0	0	0	1	2	0	0	0
Black	46	42	60	52	56	66	62	54
Female	13	18	13	11	31	29	21	20
Male	33	24	47	41	25	37	41	34
Hispanic	90	73	67	69	54	63	78	65
Female	21	21	12	15	11	22	25	22
Male	69	52	55	54	43	41	53	43
American Indian/Alaskan Native	6	7	6	10	10	9	9	12
Female	1	2	1	0	1	3	2	2
Male	5	5	5	10	9	6	7	10
Other or unknown race/ethnicity	25	46	52	83	89	47	49	63
Female	5	9	9	17	11	10	8	14
Male	20	36	43	66	78	37	41	49
Unknown	0	1	0	0	0	0	0	0
Psychology	3,136	3,185	3,235	3,130	3,274	3,293	3,230	3,013
Female	1,967	2,057	2,186	2,108	2,211	2,229	2,177	2,035
Male	1,169	1,128	1,049	1,015	1,058	1,064	1,052	978
Unknown	0	0	0	7	5	0	1	0
White	2,729	2,723	2,745	2,525	2,645	2,702	2,603	2,438
Female	1,701	1,742	1,836	1,692	1,763	1,789	1,723	1,617
Male	1,028	981	909	833	882	913	880	821
Asian/Pacific Islander	108	121	121	126	113	132	146	120
Female	76	78	90	95	84	98	99	91
Male	32	43	31	31	29	34	47	29
Black	124	149	152	151	158	172	190	174
Female	78	110	114	110	115	135	145	124
Male	46	39	38	41	43	37	45	50
Hispanic	133	146	173	171	208	215	211	174
Female	90	97	120	107	152	158	151	128
Male	43	49	53	64	56	57	59	46
Unknown	0	0	0	0	0	0	1	0
American Indian/Alaskan Native	12	14	18	18	31	35	22	17
Female	7	8	9	12	18	23	19	12
Male	5	6	9	6	13	12	3	5
Other or unknown race/ethnicity	30	32	26	139	119	37	58	90
Female	15	22	17	92	79	26	40	63
Male	15	10	9	40	35	11	18	27
Unknown	0	0	0	7	5	0	0	0
Social sciences	2,692	2,721	2,795	2,877	2,839	2,867	2,910	2,720
Female	1,162	1,164	1,163	1,267	1,307	1,323	1,344	1,297
Male	1,530	1,557	1,632	1,609	1,531	1,544	1,566	1,423
Unknown	0	0	0	1	1	0	0	0
White	2,133	2,113	2,208	2,236	2,206	2,246	2,303	2,126
Female	957	918	927	986	1,023	1,037	1,057	996



TABLE F-11. S&amp;E doctorates awarded to U.S. citizens and permanent residents, by field, sex, and race/ethnicity: 1994–2001

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Field, sex, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Male	1,176	1,195	1,281	1,250	1,183	1,209	1,246	1,130
Asian/Pacific Islander	272	311	268	238	221	201	176	180
Female	98	121	109	104	100	96	81	101
Male	174	190	159	134	121	105	95	79
Black	148	146	141	159	181	194	203	189
Female	55	66	58	71	92	85	104	97
Male	93	80	83	88	89	109	99	92
Hispanic	75	95	97	98	121	121	111	118
Female	34	37	43	38	44	64	44	57
Male	41	58	54	60	77	57	67	61
American Indian/Alaskan Native	19	18	25	18	12	29	20	20
Female	8	9	8	14	8	13	10	8
Male	11	9	17	4	4	16	10	12
Other or unknown race/ethnicity	45	38	56	128	98	76	97	87
Female	10	13	18	54	40	28	48	38
Male	35	25	38	73	57	48	49	49
Unknown	0	0	0	1	1	0	0	0
Engineering	3,053	3,342	3,389	3,332	3,046	2,888	2,569	2,435
Female	448	520	526	512	452	492	490	474
Male	2,604	2,822	2,863	2,819	2,588	2,396	2,079	1,961
Unknown	1	0	0	1	6	0	0	0
White	2,020	2,092	2,263	2,287	2,170	2,110	1,886	1,746
Female	305	321	348	332	307	352	333	317
Male	1,715	1,771	1,915	1,955	1,863	1,758	1,553	1,429
Asian/Pacific Islander	865	1,032	896	707	554	512	439	422
Female	119	170	134	119	97	84	109	96
Male	745	862	762	588	454	428	330	326
Unknown	1	0	0	0	3	0	0	0
Black	54	70	74	98	83	98	81	92
Female	13	15	19	23	22	24	24	25
Male	41	55	55	75	61	74	57	67
Hispanic	66	77	99	97	110	82	82	91
Female	6	11	15	23	13	23	13	22
Male	60	66	84	74	97	59	69	69
American Indian/Alaskan Native	6	9	14	17	13	12	8	7
Female	2	0	2	3	4	2	4	2
Male	4	9	12	14	9	10	4	5
Other or unknown race/ethnicity	42	62	43	126	116	74	73	77
Female	3	3	8	12	9	7	7	12
Male	39	59	35	113	104	67	66	65
Unknown	0	0	0	1	3	0	0	0

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2001  
(Percent distribution)

Page 1 of 2

Sex, race/ethnicity, and field	All U.S. citizen/ permanent resident	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other or unknown race/ethnicity
	Female (number)	6,867	5,257	686	373	332	32
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sciences							
Agricultural sciences	2.4	2.6	1.3	1.6	2.7	0.0	2.7
Biological sciences	28.5	28.2	39.2	22.0	22.9	21.9	23.5
Computer sciences	1.4	1.1	2.9	2.7	1.2	0.0	2.1
Earth, atmospheric, and ocean sciences	2.4	2.6	1.5	0.5	2.7	0.0	1.1
Atmospheric	0.2	0.2	0.3	0.0	0.0	0.0	0.0
Earth	1.3	1.5	0.6	0.0	1.2	0.0	0.5
Ocean	0.4	0.5	0.1	0.5	0.3	0.0	0.5
Other	0.4	0.4	0.4	0.0	1.2	0.0	0.0
Mathematics/statistics	2.2	2.3	2.3	1.9	1.5	3.1	2.7
Physical sciences	7.7	7.5	10.8	5.4	6.6	6.3	7.5
Astronomy	0.4	0.5	0.0	0.0	0.3	0.0	0.5
Chemistry	5.9	5.6	8.9	5.1	5.1	6.3	6.4
Physics	1.3	1.3	1.9	0.3	1.2	0.0	0.5
Other	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Psychology	29.6	30.8	13.3	33.2	38.6	37.5	33.7
Social sciences	18.9	18.9	14.7	26.0	17.2	25.0	20.3
Anthropology	3.2	3.2	2.2	2.4	4.2	6.3	5.9
Area/ethnic studies	1.2	1.2	0.3	3.5	1.2	3.1	2.1
Economics	2.2	2.2	3.8	0.5	1.5	3.1	3.2
History of science	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Linguistics	1.1	1.1	0.9	1.3	0.9	0.0	2.7
Political science/public administration	4.0	4.0	3.1	7.5	2.1	6.3	3.2
Sociology	4.2	4.2	2.6	7.0	5.7	3.1	1.1
Other	2.9	3.0	1.7	3.8	1.5	3.1	2.1
Engineering	6.9	6.0	14.0	6.7	6.6	6.3	6.4
Aerospace	0.3	0.3	0.6	0.0	0.0	0.0	0.5
Chemical	1.3	1.1	2.8	2.7	1.5	0.0	0.0
Civil	1.0	1.0	1.3	0.0	0.6	0.0	2.1
Electrical	1.0	0.7	4.1	0.3	0.9	0.0	0.0
Industrial	0.4	0.3	0.9	0.8	0.6	0.0	0.0
Materials	0.8	0.7	1.3	1.1	1.5	0.0	0.5
Mechanical	0.6	0.5	1.2	0.3	0.0	0.0	1.1
Other	1.6	1.5	1.9	1.6	1.5	6.3	2.1
Male (number)	9,395	7,451	950	323	337	42	292
S&E	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Sciences							
Agricultural sciences	2.8	3.2	0.7	1.9	3.0	0.0	2.1
Biological sciences	24.0	23.6	29.8	16.7	26.1	19.0	22.3
Computer sciences	3.4	3.5	4.3	1.5	1.2	2.4	4.1
Earth, atmospheric, and ocean sciences	3.2	3.4	2.6	0.9	1.8	0.0	4.5
Atmospheric	0.5	0.5	0.3	0.0	0.3	0.0	1.4
Earth	1.8	1.9	1.6	0.6	0.9	0.0	2.4
Ocean	0.5	0.5	0.3	0.3	0.0	0.0	0.7
Other	0.5	0.5	0.4	0.0	0.6	0.0	0.0
Mathematics/statistics	3.9	4.1	3.4	3.7	3.0	2.4	2.1
Physical sciences	16.1	16.8	13.5	10.5	12.8	23.8	16.8
Astronomy	1.0	1.0	0.6	0.3	1.8	2.4	1.4
Chemistry	8.7	9.1	6.7	7.1	7.7	21.4	7.5
Physics	6.3	6.5	6.1	3.1	3.3	0.0	7.9

TABLE F-12. S&E doctorates awarded to U.S. citizens and permanent residents, by sex, race/ethnicity, and field: 2001  
(Percent distribution)

Sex, race/ethnicity, and field	All U.S. citizen/ permanent resident	White	Asian/ Pacific Islander	Black	Hispanic	American Indian/ Alaskan Native	Other or unknown race/ethnicity
	Other	0.1	0.2	0.0	0.0	0.0	0.0
Psychology	10.4	11.0	3.1	15.5	13.6	11.9	9.2
Social sciences	15.1	15.2	8.3	28.5	18.1	28.6	16.8
Anthropology	1.6	1.7	0.4	1.2	1.8	14.3	2.4
Area/ethnic studies	0.5	0.5	0.2	1.2	0.3	2.4	0.0
Economics	3.2	3.3	3.2	3.1	3.9	2.4	2.4
History of science	0.3	0.3	0.2	0.3	0.6	0.0	0.7
Linguistics	0.5	0.6	0.3	0.3	0.3	0.0	0.7
Political science/public administration	5.0	5.0	1.6	13.3	4.2	7.1	7.5
Sociology	1.9	1.7	1.3	5.6	5.6	2.4	1.4
Other	2.0	2.1	1.2	3.4	1.5	0.0	1.7
Engineering	20.9	19.2	34.3	20.7	20.5	11.9	22.3
Aerospace	0.9	0.9	0.8	0.3	1.5	0.0	1.4
Chemical	2.8	2.8	3.5	2.2	0.6	2.4	3.4
Civil	2.2	1.9	2.9	3.4	2.1	0.0	4.8
Electrical	5.3	4.5	11.1	6.5	5.6	2.4	4.5
Industrial	0.6	0.5	1.7	0.9	0.3	2.4	1.0
Materials	1.8	1.7	3.1	0.6	1.2	2.4	1.7
Mechanical	4.1	3.7	7.2	5.0	6.2	2.4	3.4
Other	3.2	3.2	4.1	1.9	3.0	0.0	2.1

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001.

TABLE F-13. S&amp;E doctorate recipients, by disability status: 1994–2001

Disability status	1994	1995	1996	1997	1998	1999	2000	2001
All S&E doctorate recipients	26,205	26,536	27,243	27,242	27,283	25,940	25,951	25,509
No disability	25,832	26,179	26,959	26,922	26,961	25,603	25,623	25,172
With disability	373	357	284	320	322	337	328	337
Auditory	62	45	41	45	36	40	38	48
Learning <sup>a</sup>	0	0	0	0	0	0	0	84
Orthopedic	88	96	81	104	92	96	94	98
Visual	98	97	46	39	55	54	49	38
Vocal	13	5	7	7	11	6	6	8
Other/more than one	74	87	97	98	96	110	110	56
Unspecified	38	27	12	27	32	31	31	5

<sup>a</sup>Not included in survey before 2001.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1994–2001.

TABLE F-14. Top baccalaureate institutions of S&amp;E doctorate recipients with disabilities, by disability type: 1997–2001

Academic institution	All							Other/more than 1	Unspecified
	disabilities	Auditory	Learning <sup>a</sup>	Orthopedic	Visual	Vocal			
All institutions	1,644	207	84	484	235	38	470	126	
Foreign	228	32	0	75	48	8	22	43	
Unknown	78	9	1	22	13	1	23	9	
Top 67 U.S.	552	81	41	151	66	15	167	31	
University of California, Berkeley	33	4	3	6	4	3	11	2	
University of Wisconsin–Madison	21	0	0	5	2	2	10	2	
Cornell University, all campuses	15	0	1	6	2	2	3	1	
University of California, Los Angeles	15	3	1	3	3	0	4	1	
University of Illinois at Urbana-Champaign	15	2	2	4	2	0	3	2	
Texas A&M University, main campus	14	5	0	2	0	0	6	1	
University of Minnesota, Twin Cities	14	1	2	6	2	0	2	1	
Pennsylvania State University, main campus	13	3	1	3	2	0	4	0	
University of California, Davis	12	3	3	2	2	0	1	1	
University of Colorado at Boulder	11	0	1	3	2	0	4	1	
University of Maryland at College Park	11	2	0	1	1	1	4	2	
University of Michigan–Ann Arbor	11	3	0	2	1	0	4	1	
Brigham Young University, main campus	10	1	2	3	0	0	2	2	
Brown University	10	1	1	1	2	0	4	1	
Ohio State University, main campus	10	0	1	2	3	1	3	0	
Purdue University, main campus	10	1	0	2	0	1	6	0	
University of California, San Diego	10	3	0	5	0	0	2	0	
University of California, Santa Cruz	10	3	2	3	0	0	2	0	
University of Washington, Seattle campus	10	0	0	5	1	0	4	0	
Harvard University	9	0	0	5	0	0	4	0	
University of Kansas, main campus	9	1	0	1	1	0	5	1	
University of Pittsburgh, main campus	9	1	1	3	2	0	2	0	
University of Texas at Austin	9	1	0	3	0	1	3	1	
Duke University	8	0	1	3	1	0	2	1	
Indiana University, Bloomington	8	1	2	0	1	1	3	0	
Massachusetts Institute of Technology	8	0	0	3	0	0	4	1	
Rensselaer Polytechnic Institute	8	1	0	1	1	1	3	1	
Florida State University	7	1	0	2	1	0	3	0	
Mount Holyoke College	7	1	0	2	1	0	3	0	
Rutgers, the State University of New Jersey–New Brunswick	7	0	1	2	1	0	3	0	
Stanford University	7	1	0	1	1	0	4	0	
University of Delaware	7	0	0	4	2	0	1	0	
University of Nebraska–Lincoln	7	0	0	3	1	0	2	1	
University of Virginia, main campus	7	2	1	3	1	0	0	0	
Washington University	7	2	0	0	0	0	2	3	
California State University, Fresno	6	1	1	2	1	0	1	0	
Dartmouth College	6	2	0	1	0	0	3	0	
Michigan State University	6	0	0	1	2	0	2	1	
Princeton University	6	2	1	3	0	0	0	0	
San Francisco State University	6	1	1	1	1	0	2	0	
San Jose State University	6	2	1	2	0	0	1	0	
Syracuse University, main campus	6	1	1	4	0	0	0	0	
Tulane University	6	1	1	1	0	0	3	0	
University of California, Irvine	6	1	0	3	1	0	1	0	
University of California, Santa Barbara	6	1	1	1	1	0	2	0	
University of Missouri–Columbia	6	2	0	3	1	0	0	0	
University of Oklahoma, Norman Campus	6	0	1	3	0	0	2	0	
Washington State University	6	1	0	2	2	0	1	0	
Arizona State University, main campus	5	1	0	2	1	0	1	0	
Bowling Green State University	5	2	0	1	0	0	2	0	
Brandeis University	5	2	0	0	0	0	3	0	

TABLE F-14. Top baccalaureate institutions of S&amp;E doctorate recipients with disabilities, by disability type: 1997–2001

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Academic institution	All						Other/more	
	disabilities	Auditory	Learning <sup>a</sup>	Orthopedic	Visual	Vocal	than 1	Unspecified
California State University, Sacramento	5	1	1	3	0	0	0	0
Colorado State University	5	1	0	4	0	0	0	0
City University of New York, Hunter College	5	0	0	0	2	0	3	0
Oberlin College	5	0	0	1	2	0	2	0
Ohio University	5	1	0	1	2	0	1	0
Rochester Institute of Technology	5	2	1	0	0	0	1	1
State University of New York at Albany	5	0	1	1	2	0	1	0
Tufts University	5	0	0	2	0	1	2	0
University of Arizona	5	1	1	1	1	0	1	0
University of California, Riverside	5	1	0	2	1	0	1	0
University of Cincinnati	5	1	0	0	0	1	3	0
University of Florida	5	2	0	1	0	0	2	0
University of Massachusetts Amherst	5	1	1	2	0	0	1	0
University of Pennsylvania	5	1	1	1	1	0	1	0
Virginia Polytechnic Institute and State University	5	1	1	0	1	0	0	2
Yale University	5	1	0	2	1	0	1	0
Other U.S.	786	85	42	236	108	14	258	43

<sup>a</sup>Not included in survey before 2001.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-15. S&amp;E doctorate recipients, by field and disability status: 2001

Field	All recipients	No disability		With disability	
		Number	Percent	Number	Percent
S&E	25,509	25,172	100.0	337	100.0
Sciences	20,007	19,708	78.3	299	88.7
Agricultural sciences	848	838	3.3	10	3.0
Biological sciences	5,678	5,617	22.3	61	18.1
Computer sciences	826	817	3.2	9	2.7
Earth, atmospheric, and ocean sciences	749	731	2.9	18	5.3
Atmospheric	116	112	0.4	4	1.2
Earth	394	385	1.5	9	2.7
Ocean	119	117	0.5	2	0.6
Other	120	117	0.5	3	0.9
Mathematics/statistics	1,006	993	3.9	13	3.9
Physical sciences	3,389	3,361	13.4	28	8.3
Astronomy	186	185	0.7	1	0.3
Chemistry	1,979	1,960	7.8	19	5.6
Physics	1,193	1,185	4.7	8	2.4
Other	31	31	0.1	0	0.0
Social sciences	7,511	7,351	29.2	160	47.5
Anthropology	448	437	1.7	11	3.3
Area/ethnic studies	144	139	0.6	5	1.5
Economics	1,084	1,069	4.2	15	4.5
History of science	40	39	0.2	1	0.3
Linguistics	229	225	0.9	4	1.2
Political science	982	956	3.8	26	7.7
Psychology	3,433	3,356	13.3	77	22.8
Sociology	577	565	2.2	12	3.6
Other	574	565	2.2	9	2.7
Engineering	5,502	5,464	21.7	38	11.3
Aerospace	203	203	0.8	0	0.0
Chemical	726	721	2.9	5	1.5
Civil	593	588	2.3	5	1.5
Electrical	1,577	1,567	6.2	10	3.0
Industrial	205	203	0.8	2	0.6
Materials and metallurgy	499	496	2.0	3	0.9
Mechanical	953	950	3.8	3	0.9
Other	746	736	2.9	10	3.0

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001.

TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by sex and doctorate field: 1997–2001  
(Percent)

Sex and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
All recipients (number)	87,588	73,318	2,518	21,169	2,450	2,666	2,998	11,364	15,940	14,213	14,270
Personal/family funds	24.5	26.2	23.9	13.4	26.2	16.8	14.0	8.8	50.9	36.0	16.0
Loans	6.2	7.1	3.6	2.1	1.9	1.9	1.4	1.1	20.4	8.0	1.6
Savings	1.4	1.5	1.7	0.6	2.7	1.4	0.7	0.4	2.3	2.7	1.3
Other earnings in graduate school	8.8	8.9	10.9	4.4	14.4	8.4	5.7	2.9	13.4	15.1	8.1
Other family earnings or savings	8.1	8.7	7.7	6.4	7.3	5.2	6.3	4.4	14.9	10.3	5.1
Teaching assistantship	15.2	16.8	6.4	11.3	10.5	13.4	51.8	20.4	13.1	22.4	7.0
Research assistantship, traineeship, and internship	31.3	28.7	46.4	38.9	31.9	41.2	10.8	49.2	14.4	11.2	44.5
Research assistantship	28.5	25.7	46.0	32.3	31.0	40.0	9.9	47.8	11.7	10.3	42.9
Traineeship	2.6	2.8	0.3	6.4	0.7	1.0	0.9	1.3	2.1	0.9	1.4
Internship or residency	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.6	0.1	0.2
Fellowship/scholarship and dissertation grant	19.3	19.4	11.5	29.0	14.9	20.7	16.7	14.0	10.6	21.7	18.6
Fellowship/scholarship	18.5	18.6	10.5	27.6	14.5	19.1	16.5	13.7	10.5	21.0	17.9
Dissertation grant	0.7	0.7	1.0	1.3	0.4	1.6	0.2	0.4	0.1	0.8	0.7
Employer reimbursement or assistance	2.9	2.0	4.2	1.5	8.4	2.3	1.4	1.8	1.5	2.2	7.2
Foreign	0.3	0.2	1.1	0.2	0.5	0.3	0.2	0.1	0.1	0.4	0.7
Other	0.8	0.8	0.6	1.0	1.0	0.8	0.5	0.6	0.8	0.8	1.1
Unknown	5.7	5.9	5.9	4.7	6.7	4.5	4.5	5.1	8.6	5.4	4.9
Female (number)	35,221	32,801	829	9,647	512	816	883	2,816	10,760	6,538	2,420
Personal/family funds	29.8	31.1	21.0	13.7	32.6	13.5	15.9	8.8	52.0	37.2	12.4
Loans	8.6	9.2	3.6	1.9	2.5	1.6	1.1	1.0	20.5	8.1	1.2
Savings	1.4	1.5	1.3	0.5	1.4	1.1	0.2	0.4	2.2	2.5	0.5
Other earnings in graduate school	9.0	9.2	7.8	4.3	16.0	6.6	4.6	2.3	12.3	15.1	5.2
Other family earnings or savings	10.8	11.1	8.2	7.0	12.7	4.2	9.9	5.2	17.0	11.5	5.6
Teaching assistantship	14.5	15.1	7.1	10.5	11.3	14.0	48.8	21.1	12.3	20.9	6.4
Research assistantship, traineeship, and internship	26.4	25.1	45.6	38.6	21.3	41.1	11.3	46.4	14.3	11.3	44.0
Research assistantship	22.9	21.6	44.8	31.3	20.3	38.8	10.5	44.1	11.8	10.2	40.5
Traineeship	3.3	3.3	0.8	7.1	0.8	2.0	0.7	2.2	2.1	1.0	3.2
Internship or residency	0.2	0.2	0.0	0.1	0.2	0.2	0.1	0.0	0.5	0.1	0.2
Fellowship/scholarship and dissertation grant	20.6	20.1	14.7	30.2	19.3	25.4	18.0	17.1	10.5	22.4	28.2
Fellowship/scholarship	19.8	19.2	13.6	28.6	18.9	23.4	17.8	16.7	10.3	21.5	27.0
Dissertation grant	0.9	0.8	1.1	1.6	0.4	2.0	0.2	0.5	0.1	0.9	1.2
Employer reimbursement or assistance	1.7	1.5	4.7	1.3	6.4	1.5	0.7	0.9	1.3	1.9	3.8
Foreign	0.2	0.2	0.6	0.2	0.2	0.2	0.2	0.1	0.1	0.4	0.6
Other	0.8	0.8	0.2	1.1	0.8	0.4	0.7	0.6	0.7	0.7	0.7
Unknown	6.0	6.1	6.0	4.4	8.0	4.0	4.4	5.0	8.8	5.1	4.0



TABLE F-16. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by sex and doctorate field: 1997–2001  
(Percent)

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Sex and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
Male (number)	52,331	40,488	1,688	11,517	1,936	1,849	2,113	8,545	5,167	7,673	11,843
Personal/family funds	21.0	22.2	25.4	13.2	24.5	18.3	13.3	8.7	48.8	35.0	16.8
Loans	4.5	5.3	3.6	2.2	1.7	2.0	1.5	1.1	20.3	7.9	1.7
Savings	1.5	1.5	1.8	0.7	3.0	1.5	0.9	0.4	2.6	2.9	1.4
Other earnings in graduate school	8.7	8.7	12.4	4.5	13.9	9.2	6.1	3.1	15.6	15.1	8.7
Other family earnings or savings	6.3	6.7	7.5	5.8	5.8	5.6	4.9	4.1	10.4	9.2	5.0
Teaching assistantship	15.6	18.2	6.1	12.1	10.3	13.1	53.1	20.1	14.9	23.6	7.1
Research assistantship, traineeship, and internship	34.6	31.7	46.8	39.2	34.8	41.3	10.6	50.1	14.4	11.1	44.6
Research assistantship	32.3	29.1	46.6	33.1	33.9	40.6	9.7	49.0	11.6	10.3	43.4
Traineeship	2.1	2.4	0.1	5.8	0.7	0.6	0.9	1.0	2.1	0.7	1.1
Internship or residency	0.2	0.2	0.1	0.2	0.2	0.2	0.0	0.1	0.7	0.1	0.2
Fellowship/scholarship and dissertation grant	18.3	18.8	9.9	27.9	13.7	18.7	16.2	13.0	10.8	21.1	16.6
Fellowship/scholarship	17.7	18.2	9.0	26.8	13.4	17.3	16.0	12.7	10.7	20.5	16.1
Dissertation grant	0.6	0.7	0.9	1.1	0.4	1.5	0.2	0.4	0.1	0.6	0.6
Employer reimbursement or assistance	3.7	2.4	3.9	1.6	8.9	2.7	1.7	2.1	2.1	2.4	7.9
Foreign	0.4	0.3	1.4	0.1	0.6	0.3	0.2	0.1	0.0	0.4	0.7
Other	0.9	0.8	0.7	0.9	1.1	1.0	0.4	0.6	1.0	0.8	1.2
Unknown	5.5	5.6	5.9	5.0	6.2	4.7	4.5	5.2	8.0	5.6	5.1

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 1997–2001  
(Percent)

Race/ethnicity and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
All recipients (number)	87,588	73,318	2,518	21,169	2,450	2,666	2,998	11,364	15,940	14,213	14,270
Personal/family funds	24.5	26.2	23.9	13.4	26.2	16.8	14.0	8.8	50.9	36.0	16.0
Loans	6.2	7.1	3.6	2.1	1.9	1.9	1.4	1.1	20.4	8.0	1.6
Savings	1.4	1.5	1.7	0.6	2.7	1.4	0.7	0.4	2.3	2.7	1.3
Other earnings in graduate school	8.8	8.9	10.9	4.4	14.4	8.4	5.7	2.9	13.4	15.1	8.1
Other family earnings or savings	8.1	8.7	7.7	6.4	7.3	5.2	6.3	4.4	14.9	10.3	5.1
Teaching assistantship	15.2	16.8	6.4	11.3	10.5	13.4	51.8	20.4	13.1	22.4	7.0
Research assistantship, traineeship, and internship	31.3	28.7	46.4	38.9	31.9	41.2	10.8	49.2	14.4	11.2	44.5
Research assistantship	28.5	25.7	46.0	32.3	31.0	40.0	9.9	47.8	11.7	10.3	42.9
Traineeship	2.6	2.8	0.3	6.4	0.7	1.0	0.9	1.3	2.1	0.9	1.4
Internship or residency	0.2	0.2	0.1	0.2	0.2	0.2	0.1	0.1	0.6	0.1	0.2
Fellowship/scholarship or dissertation grant	19.3	19.4	11.5	29.0	14.9	20.7	16.7	14.0	10.6	21.7	18.6
Fellowship/scholarship	18.5	18.6	10.5	27.6	14.5	19.1	16.5	13.7	10.5	21.0	17.9
Dissertation grant	0.7	0.7	1.0	1.3	0.4	1.6	0.2	0.4	0.1	0.8	0.7
Employer reimbursement or assistance	2.9	2.0	4.2	1.5	8.4	2.3	1.4	1.8	1.5	2.2	7.2
Foreign	0.3	0.2	1.1	0.2	0.5	0.3	0.2	0.1	0.1	0.4	0.7
Other	0.8	0.8	0.6	1.0	1.0	0.8	0.5	0.6	0.8	0.8	1.1
Unknown	5.7	5.9	5.9	4.7	6.7	4.5	4.5	5.1	8.6	5.4	4.9
White (number)	67,684	57,485	2,011	16,078	1,783	2,208	2,400	8,975	12,913	11,117	10,199
Personal/family funds	26.2	27.8	25.8	14.7	27.9	17.9	14.3	9.4	53.3	37.1	17.1
Loans	6.4	7.2	3.9	2.2	1.5	1.6	1.1	1.1	20.6	7.8	1.6
Savings	1.5	1.5	1.4	0.6	2.6	1.4	0.7	0.4	2.5	2.7	1.3
Other earnings in graduate school	9.5	9.5	11.7	4.8	16.1	9.0	6.0	3.1	14.1	15.7	9.0
Other family earnings or savings	8.9	9.5	8.7	7.1	7.7	5.9	6.5	4.9	16.1	11.0	5.3
Teaching assistantship	16.0	17.7	6.8	12.2	9.9	14.0	53.4	20.4	14.2	23.5	6.5
Research assistantship, traineeship, and internship	31.3	29.1	46.4	39.0	31.0	40.3	11.2	50.3	15.3	11.7	44.0
Research assistantship	28.4	25.9	46.1	32.0	30.0	39.1	10.1	48.8	12.5	10.7	42.2
Traineeship	2.7	2.9	0.2	6.7	0.8	1.1	1.0	1.4	2.2	1.0	1.5
Internship or residency	0.2	0.3	0.0	0.2	0.2	0.1	0.1	0.1	0.6	0.1	0.2
Fellowship/scholarship or dissertation grant	18.0	17.8	10.8	27.5	15.4	20.9	15.6	13.4	8.3	20.0	19.0
Fellowship/scholarship	17.3	17.1	9.8	26.2	15.0	19.2	15.4	13.0	8.2	19.2	18.2
Dissertation grant	0.7	0.7	1.0	1.3	0.4	1.8	0.3	0.4	0.1	0.8	0.7
Employer reimbursement or assistance	3.0	2.1	4.5	1.6	9.1	2.4	1.5	1.8	1.5	2.3	8.0
Foreign	0.2	0.1	0.5	0.1	0.2	0.2	0.2	0.1	0.0	0.3	0.4
Other	0.8	0.8	0.4	1.0	1.0	0.7	0.4	0.5	0.8	0.8	1.1
Unknown	4.5	4.6	4.8	3.8	5.6	3.4	3.3	4.0	6.6	4.3	3.8

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 1997–2001  
(Percent)

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Race/ethnicity and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
Asian/Pacific Islander (number)	9,942	7,308	202	3,077	421	223	343	1,389	637	1,016	2,634
Personal/family funds	13.5	13.7	12.9	7.1	18.3	7.2	14.6	4.9	40.2	28.2	12.9
Loans	2.2	2.6	1.0	0.6	0.5	1.3	1.7	0.3	18.4	3.9	1.0
Savings	1.1	1.0	2.5	0.6	2.6	0.4	0.6	0.5	0.8	2.8	1.2
Other earnings in graduate school	4.8	4.5	5.4	2.2	9.3	3.1	5.0	1.9	8.0	10.5	5.7
Other family earnings or savings	5.4	5.6	4.0	3.8	5.9	2.2	7.3	2.2	13.0	11.0	5.0
Teaching assistantship	14.9	17.0	5.4	9.2	15.4	8.5	55.7	23.7	15.1	24.5	9.0
Research assistantship, traineeship, and internship	43.4	39.5	60.9	46.4	43.0	65.9	11.4	52.4	16.2	13.6	54.1
Research assistantship	40.9	36.5	60.4	40.7	42.3	64.6	10.8	51.4	13.2	13.4	53.0
Traineeship	2.3	2.8	0.5	5.6	0.2	0.4	0.6	0.9	2.7	0.1	0.9
Internship or residency	0.2	0.2	0.0	0.1	0.5	0.9	0.0	0.1	0.3	0.1	0.2
Fellowship/scholarship or dissertation grant	18.5	20.9	8.4	29.4	9.3	10.3	11.7	9.6	17.4	25.2	11.8
Fellowship/scholarship	17.9	20.2	7.4	28.4	8.8	9.4	11.4	9.5	17.3	24.4	11.5
Dissertation grant	0.6	0.7	1.0	1.1	0.5	0.9	0.3	0.1	0.2	0.8	0.3
Employer reimbursement or assistance	2.2	1.4	2.0	1.0	6.2	0.9	0.9	1.4	0.9	1.3	4.4
Foreign	0.7	0.4	3.0	0.1	1.2	0.4	0.0	0.1	0.3	1.1	1.3
Other	1.0	0.9	1.0	1.1	1.0	1.3	0.6	1.1	0.5	0.3	1.1
Unknown	6.0	6.2	6.4	5.6	5.7	5.4	5.2	6.8	9.4	5.8	5.4
Black (number)	3,382	2,930	97	593	69	42	68	290	845	926	452
Personal/family funds	26.4	28.4	17.5	12.0	33.3	16.7	11.8	8.3	40.6	36.5	13.5
Loans	11.8	12.9	5.2	4.0	15.9	9.5	7.4	3.4	21.4	14.9	4.4
Savings	1.6	1.7	1.0	0.5	2.9	0.0	0.0	0.0	2.1	2.8	0.9
Other earnings in graduate school	8.8	9.4	9.3	4.6	10.1	7.1	1.5	3.1	11.1	13.6	4.4
Other family earnings or savings	4.3	4.3	2.1	2.9	4.3	0.0	2.9	1.7	5.9	5.2	3.8
Teaching assistantship	9.4	10.0	6.2	7.1	4.3	11.9	27.9	16.9	6.3	12.5	5.8
Research assistantship, traineeship, and internship	16.5	15.4	38.1	24.5	8.7	23.8	2.9	28.3	11.6	7.7	23.9
Research assistantship	14.3	13.3	37.1	18.5	8.7	23.8	2.9	27.6	9.8	6.8	21.0
Traineeship	2.1	2.0	1.0	5.9	0.0	0.0	0.0	0.7	1.7	0.8	2.7
Internship or residency	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Fellowship/scholarship or dissertation grant	36.8	35.7	21.6	47.9	34.8	33.3	50.0	37.9	30.9	32.2	44.2
Fellowship/scholarship	36.0	34.9	21.6	45.2	34.8	33.3	50.0	36.6	30.8	31.9	43.6
Dissertation grant	0.8	0.8	0.0	2.7	0.0	0.0	0.0	1.4	0.1	0.3	0.7
Employer reimbursement or assistance	2.6	2.3	2.1	1.0	5.8	7.1	1.5	1.4	2.6	2.7	4.9
Foreign	0.3	0.2	3.1	0.3	1.4	0.0	0.0	0.0	0.0	0.1	0.4
Other	0.9	0.8	1.0	0.8	1.4	2.4	0.0	1.4	0.6	0.8	1.3
Unknown	7.0	7.2	10.3	6.4	10.1	4.8	5.9	5.9	7.5	7.6	6.0

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 1997–2001  
(Percent)

Race/ethnicity and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
Hispanic (number)	3,531	3,069	121	826	67	86	92	329	979	569	462
Personal/family funds	25.9	27.6	21.5	13.2	29.9	19.8	9.8	9.7	46.2	31.8	15.2
Loans	9.5	10.4	4.1	3.3	4.5	7.0	2.2	2.1	22.3	8.8	3.5
Savings	1.3	1.4	4.1	0.2	3.0	2.3	1.1	0.3	1.5	2.5	0.9
Other earnings in graduate school	8.2	8.4	8.3	4.1	11.9	8.1	2.2	4.0	11.2	13.2	6.3
Other family earnings or savings	7.0	7.4	5.0	5.6	10.4	2.3	4.3	3.3	11.1	7.4	4.5
Teaching assistantship	10.9	11.6	2.5	8.0	11.9	11.6	32.6	16.1	7.4	19.9	6.7
Research assistantship, traineeship, and internship	19.7	17.9	40.5	27.0	25.4	20.9	6.5	35.3	7.9	7.4	32.0
Research assistantship	17.6	15.8	39.7	23.1	23.9	18.6	6.5	33.4	5.8	7.0	29.9
Traineeship	1.9	1.9	0.0	3.9	1.5	2.3	0.0	1.8	1.6	0.2	2.2
Internship or residency	0.2	0.2	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.0
Fellowship/scholarship or dissertation grant	28.8	29.0	15.7	42.0	11.9	34.9	38.0	28.0	18.6	31.3	27.3
Fellowship/scholarship	28.0	28.3	14.9	40.3	11.9	34.9	38.0	27.7	18.4	30.4	26.2
Dissertation grant	0.8	0.7	0.8	1.7	0.0	0.0	0.0	0.3	0.2	0.9	1.1
Employer reimbursement or assistance	2.7	2.0	3.3	1.3	9.0	2.3	2.2	3.0	2.0	0.9	7.4
Foreign	1.6	1.3	6.6	1.2	3.0	2.3	1.1	1.2	0.3	1.9	3.7
Other	1.0	0.9	2.5	1.0	1.5	1.2	0.0	0.3	0.9	1.1	1.5
Unknown	9.3	9.7	7.4	6.3	7.5	7.0	9.8	6.4	16.8	5.8	6.3
American Indian/Alaskan Native (number)	452	395	19	71	8	16	9	50	123	99	57
Personal/family funds	28.5	28.4	0.0	15.5	25.0	18.8	11.1	18.0	40.7	36.4	29.8
Loans	7.7	8.1	0.0	7.0	12.5	0.0	0.0	2.0	17.1	4.0	5.3
Savings	2.4	2.5	0.0	1.4	0.0	6.3	0.0	4.0	1.6	4.0	1.8
Other earnings in graduate school	10.6	10.4	0.0	4.2	12.5	12.5	11.1	4.0	8.1	22.2	12.3
Other family earnings or savings	7.7	7.3	0.0	2.8	0.0	0.0	0.0	8.0	13.8	6.1	10.5
Teaching assistantship	8.8	10.1	10.5	7.0	12.5	12.5	55.6	10.0	7.3	11.1	0.0
Research assistantship, traineeship, and internship	20.6	19.7	31.6	32.4	37.5	37.5	33.3	40.0	7.3	8.1	26.3
Research assistantship	18.8	18.0	31.6	26.8	25.0	37.5	33.3	38.0	6.5	8.1	24.6
Traineeship	1.5	1.5	0.0	5.6	12.5	0.0	0.0	2.0	0.0	0.0	1.8
Internship or residency	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
Fellowship/scholarship or dissertation grant	28.1	28.9	21.1	40.8	25.0	31.3	0.0	16.0	27.6	32.3	22.8
Fellowship/scholarship	27.4	28.4	21.1	39.4	25.0	31.3	0.0	16.0	26.8	32.3	21.1
Dissertation grant	0.7	0.5	0.0	1.4	0.0	0.0	0.0	0.0	0.8	0.0	1.8
Employer reimbursement or assistance	2.9	1.8	15.8	0.0	0.0	0.0	0.0	0.0	1.6	2.0	10.5
Foreign	1.5	1.3	5.3	1.4	0.0	0.0	0.0	0.0	1.6	1.0	3.5
Other	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0
Unknown	9.1	9.4	15.8	2.8	0.0	0.0	0.0	16.0	12.2	9.1	7.0

TABLE F-17. Primary source of support for U.S.-citizen and permanent-resident S&E doctorate recipients, by race/ethnicity and doctorate field: 1997–2001  
(Percent)

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Race/ethnicity and primary source of support	All S&E	Sciences	Agricultural sciences	Biological sciences	Computer sciences	Earth, atmospheric, and ocean sciences	Mathematics	Physical sciences	Psychology	Social sciences	Engineering
Other or unknown race/ethnicity (number)	2,597	2,131	68	524	102	91	86	331	443	486	466
Personal/family funds	18.3	19.8	22.1	12.8	21.6	9.9	10.5	4.5	30.0	31.3	11.6
Loans	4.4	5.2	1.5	1.5	2.9	2.2	1.2	0.3	13.5	7.0	0.6
Savings	1.3	1.2	2.9	0.6	3.9	0.0	0.0	0.3	1.1	2.3	1.7
Other earnings in graduate school	7.9	8.4	13.2	5.9	9.8	7.7	5.8	1.5	8.6	15.0	6.0
Other family earnings or savings	4.7	5.1	4.4	4.8	4.9	0.0	3.5	2.4	6.8	7.0	3.2
Teaching assistantship	10.1	10.7	4.4	7.1	3.9	11.0	29.1	14.2	6.3	15.4	6.9
Research assistantship, traineeship, and internship	21.9	19.0	27.9	27.1	22.5	30.8	7.0	38.7	6.8	5.8	35.6
Research assistantship	20.3	17.0	26.5	21.9	22.5	29.7	7.0	38.4	5.0	5.1	35.0
Traineeship	1.5	1.7	1.5	5.2	0.0	0.0	0.0	0.3	0.9	0.6	0.4
Internship or residency	0.2	0.2	0.0	0.0	0.0	1.1	0.0	0.0	0.9	0.0	0.2
Fellowship/scholarship or dissertation grant	17.1	17.6	14.7	26.0	17.6	20.9	20.9	13.6	6.5	20.8	14.6
Fellowship/scholarship	16.6	17.1	13.2	25.2	17.6	18.7	20.9	13.3	6.5	20.0	14.2
Dissertation grant	0.5	0.6	1.5	0.8	0.0	2.2	0.0	0.3	0.0	0.8	0.4
Employer reimbursement or assistance	2.2	1.5	2.9	1.1	6.9	0.0	0.0	1.2	0.7	2.1	5.2
Foreign	0.4	0.3	0.0	0.2	0.0	0.0	1.2	0.0	0.2	0.6	1.1
Other	1.0	1.0	1.5	1.1	1.0	1.1	2.3	1.2	0.5	0.8	1.3
Unknown	29.0	30.1	26.5	24.6	26.5	26.4	29.1	26.6	49.0	23.3	23.8

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-18. Primary source of support for U.S.-citizen and permanent-resident S&amp;E doctorate recipients, by disability status: 1997–2001

(Percent)

Primary source of support	All recipients	No disability	With disability
All recipients (number)	87,588	86,175	1,413
Personal/family funds	24.5	24.2	40.8
Loans	6.2	6.1	11.4
Savings	1.4	1.4	3.9
Other earnings in graduate school	8.8	8.7	14.7
Other family earnings or savings	8.1	8.1	10.8
Teaching assistantship	15.2	15.2	13.7
Research assistantship, traineeship, and internship	31.3	31.5	20.0
Research assistantship	28.5	28.7	17.6
Traineeship	2.6	2.6	1.9
Internship or residency	0.2	0.2	0.4
Fellowship/scholarship and dissertation grant	19.3	19.3	17.1
Fellowship/scholarship	18.5	18.6	16.4
Dissertation grant	0.7	0.7	0.6
Business or employer funds	2.9	2.9	3.3
Foreign	0.3	0.3	0.1
Other	1.4	1.4	3.4
Unknown	5.7	5.7	2.4

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 1997–2001.

TABLE F-19. Location and type of postgraduate activity for U.S.-citizen and permanent-resident S&E doctorate recipients with definite postgraduate plans, by sex: 2001

(Percent distribution)

Location and type of postgraduate activity	Both sexes	Female	Male
All recipients (number)	11,601	4,684	6,917
United States	96.4	96.8	96.0
Academic employment	22.3	25.0	20.5
Postdoctoral study	39.3	42.6	37.1
Industry employment	22.1	15.5	26.6
Other <sup>a</sup>	12.7	13.7	11.9
Abroad	3.3	2.8	3.6
Location unknown	0.3	0.3	0.3

<sup>a</sup>Includes government, nonprofit, and other or unknown.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2001.