

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
All female S&E graduate students	161,671	162,011	163,427	168,396	170,479	177,430	188,644	198,113
Science	143,417	143,291	144,439	148,509	149,733	155,173	163,677	170,524
Agricultural sciences	4,585	4,706	4,852	5,049	5,088	5,343	5,653	6,026
Biological sciences	28,642	28,476	28,953	29,621	29,807	31,049	33,427	35,872
Anatomy	400	383	342	345	367	352	467	466
Biochemistry	2,288	2,176	2,229	2,266	2,231	2,223	2,422	2,595
Biology	7,129	7,287	7,213	7,143	7,006	7,189	7,514	8,134
Biometry/epidemiology	1,774	1,776	2,153	2,323	2,241	2,427	2,552	2,771
Biophysics	244	216	209	213	231	262	306	339
Botany	998	996	1,011	982	986	974	1,019	996
Cell/molecular biology	1,981	2,055	2,141	2,360	2,494	2,521	2,791	3,020
Ecology	777	798	830	881	916	979	1,039	1,208
Entomology/parasitology	424	410	414	406	442	480	492	537
Genetics	908	968	983	1,016	973	1,046	1,112	1,216
Microbiology, immunology, and virology	2,432	2,396	2,371	2,450	2,432	2,495	2,808	2,933
Nutrition	3,680	3,460	3,413	3,431	3,379	3,436	3,512	3,658
Pathology	809	832	804	804	829	895	906	910
Pharmacology	1,291	1,229	1,325	1,343	1,516	1,658	1,773	1,818
Physiology	981	934	886	898	882	911	994	1,144
Zoology	767	703	694	670	642	667	638	645
Other	1,759	1,857	1,935	2,090	2,240	2,534	3,082	3,482
Computer sciences	8,797	9,881	10,802	12,545	14,080	15,302	16,025	14,791
Earth, atmospheric, and ocean sciences	5,447	5,416	5,568	5,725	5,753	5,892	6,247	6,555
Atmospheric	234	263	234	242	268	298	333	374
Earth	2,320	2,296	2,315	2,400	2,455	2,483	2,613	2,764
Ocean	1,070	1,055	1,162	1,222	1,267	1,255	1,309	1,392
Other	1,823	1,802	1,857	1,861	1,763	1,856	1,992	2,025
Mathematics and statistics	6,219	5,868	5,988	6,043	5,780	6,270	6,886	7,289
Mathematics/applied mathematics	4,986	4,783	4,895	4,862	4,508	4,818	5,239	5,406
Statistics	1,233	1,085	1,093	1,181	1,272	1,452	1,647	1,883
Physical sciences	9,045	8,848	8,753	8,915	9,115	9,336	10,066	10,778
Astronomy	227	208	230	225	267	265	302	345
Chemistry	6,839	6,722	6,564	6,617	6,756	6,855	7,325	7,839
Physics	1,809	1,744	1,780	1,876	1,910	2,042	2,201	2,366
Other	170	174	179	197	182	174	238	228
Psychology	37,747	37,619	37,462	37,271	36,872	37,318	37,728	38,668
Clinical	9,087	9,312	9,173	9,285	9,283	9,399	9,467	10,035
General	11,646	11,877	11,847	11,387	11,027	11,283	10,676	10,985
Nonclinical	17,014	16,430	16,442	16,599	16,562	16,636	17,585	17,648
Social sciences	42,935	42,477	42,061	43,340	43,238	44,663	47,645	50,545
Agricultural economics	710	688	680	715	789	835	844	895
Anthropology (cultural and social)	4,686	4,501	4,556	4,644	4,685	4,562	4,617	4,864
Economics	3,783	3,512	3,464	3,499	3,765	3,995	4,268	4,500
Geography	1,561	1,625	1,663	1,703	1,627	1,801	1,843	2,000
History and philosophy of science	152	162	193	212	219	244	301	287
Linguistics	2,023	2,017	1,953	1,833	1,744	1,793	1,891	2,005
Political science and public administration	15,632	15,404	14,961	15,573	15,927	16,501	18,619	19,830
Sociology	5,785	5,822	5,696	5,739	5,580	5,732	5,768	5,901
Other	8,603	8,746	8,895	9,422	8,902	9,200	9,494	10,263
Engineering	18,254	18,720	18,988	19,887	20,746	22,257	24,967	27,589
Aerospace	352	371	382	423	469	485	516	603
Agricultural	210	218	243	251	268	284	272	297
Biomedical	733	826	870	1,004	1,070	1,254	1,529	1,962
Chemical	1,651	1,720	1,727	1,733	1,875	1,829	1,995	2,100
Civil	4,300	4,164	4,102	4,157	4,277	4,503	4,905	5,392
Electrical	4,229	4,550	4,872	5,133	5,536	6,212	7,270	7,791
Engineering science/physics	295	278	331	319	342	363	430	465
Industrial/manufacturing	2,769	2,656	2,452	2,659	2,713	2,808	3,076	3,260

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Mechanical	1,636	1,779	1,762	1,788	1,832	1,944	2,083	2,364
Metallurgical/materials	1,077	1,117	1,130	1,084	1,041	1,173	1,251	1,332
Mining	54	63	55	55	46	36	37	42
Nuclear	153	143	134	144	156	157	148	182
Petroleum	60	77	55	82	87	91	107	129
Other	735	758	873	1,055	1,034	1,118	1,348	1,670
U.S. citizens and permanent residents	134,556	133,734	133,389	135,431	133,688	136,696	144,276	152,305
Science	121,721	121,203	121,008	123,050	121,633	124,269	130,471	136,828
Agricultural sciences	3,718	3,871	4,006	4,194	4,241	4,406	4,641	4,992
Biological sciences	23,389	23,353	23,503	24,180	23,964	24,669	26,274	27,999
Anatomy	331	322	284	279	294	278	383	369
Biochemistry	1,615	1,581	1,596	1,604	1,511	1,463	1,600	1,681
Biology	6,187	6,312	6,192	6,166	5,979	6,060	6,242	6,759
Biometry/epidemiology	1,497	1,520	1,818	1,947	1,808	1,915	1,940	2,073
Biophysics	192	171	164	170	175	187	221	231
Botany	748	730	732	725	717	701	716	703
Cell/molecular biology	1,566	1,642	1,715	1,886	1,931	1,908	2,095	2,228
Ecology	711	736	758	807	831	895	947	1,076
Entomology/parasitology	326	325	334	322	357	395	396	432
Genetics	753	789	786	844	792	837	894	942
Microbiology, immunology, and virology	1,945	1,943	1,907	1,968	1,963	1,951	2,177	2,299
Nutrition	2,971	2,764	2,707	2,745	2,648	2,672	2,756	2,908
Pathology	674	707	671	678	698	758	752	728
Pharmacology	1,012	960	1,043	1,064	1,197	1,308	1,382	1,377
Physiology	797	765	702	710	693	698	770	880
Zoology	673	628	616	602	560	579	540	556
Other	1,391	1,458	1,478	1,663	1,810	2,064	2,463	2,757
Computer sciences	5,736	6,198	6,577	7,412	7,406	7,643	8,206	8,096
Earth, atmospheric, and ocean sciences	4,675	4,697	4,805	4,868	4,857	4,911	5,235	5,518
Atmospheric	151	165	146	137	166	192	216	273
Earth	2,001	2,006	2,021	2,069	2,100	2,098	2,181	2,287
Ocean	903	891	980	1,038	1,065	1,049	1,124	1,196
Other	1,620	1,635	1,658	1,624	1,526	1,572	1,714	1,762
Mathematics and statistics	4,557	4,169	4,205	3,982	3,661	3,927	4,379	4,584
Mathematics/applied mathematics	3,759	3,513	3,563	3,367	3,034	3,299	3,653	3,783
Statistics	798	656	642	615	627	628	726	801
Physical sciences	6,004	5,837	5,833	5,862	5,832	5,859	6,178	6,526
Astronomy	178	169	181	172	197	191	229	253
Chemistry	4,611	4,537	4,441	4,477	4,477	4,453	4,583	4,819
Physics	1,070	981	1,062	1,047	999	1,075	1,162	1,252
Other	145	150	149	166	159	140	204	202
Psychology	36,482	36,361	36,074	35,822	35,361	35,574	35,963	36,678
Clinical	8,884	9,084	8,923	9,005	8,977	9,065	9,094	9,644
General	11,258	11,498	11,461	10,952	10,527	10,676	10,113	10,277
Nonclinical	16,340	15,779	15,690	15,865	15,857	15,833	16,756	16,757
Social sciences	37,160	36,717	36,005	36,730	36,311	37,280	39,595	42,435
Agricultural economics	441	414	390	393	413	423	428	465
Anthropology (cultural and social)	4,324	4,127	4,169	4,196	4,220	4,141	4,157	4,408
Economics	2,135	1,867	1,808	1,719	1,815	1,835	1,938	2,087
Geography	1,397	1,428	1,454	1,466	1,383	1,508	1,523	1,666
History and philosophy of science	137	141	170	194	189	219	274	269
Linguistics	1,403	1,388	1,297	1,233	1,130	1,161	1,237	1,378
Political science and public administration	14,277	14,045	13,537	13,932	14,128	14,598	16,382	17,532
Sociology	5,237	5,239	5,098	5,074	4,857	4,947	4,985	5,108
Other	7,809	8,068	8,082	8,523	8,176	8,448	8,671	9,522
Engineering	12,835	12,531	12,381	12,381	12,055	12,427	13,805	15,477
Aerospace	246	227	224	255	282	275	300	390
Agricultural	108	128	141	150	173	182	169	176

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Biomedical	569	646	676	744	778	884	1,031	1,334
Chemical	1,064	1,076	1,059	1,020	1,054	985	1,086	1,093
Civil	3,317	3,115	3,046	2,955	2,909	2,957	3,209	3,549
Electrical	2,537	2,497	2,518	2,389	2,246	2,380	2,668	2,958
Engineering science/physics	216	209	220	215	195	209	252	235
Industrial/manufacturing	2,219	2,079	1,869	2,003	1,896	1,890	2,114	2,263
Mechanical	1,144	1,166	1,153	1,141	1,051	1,117	1,164	1,370
Metallurgical/materials	703	701	677	618	581	622	668	702
Mining	41	55	51	43	32	32	30	30
Nuclear	105	100	88	87	95	88	87	115
Petroleum	16	18	15	17	40	40	40	24
Other	550	514	644	744	723	766	987	1,238
White	98,707	96,515	94,933	94,940	91,787	92,768	96,542	100,292
Science	90,087	88,244	86,767	87,076	84,161	85,167	88,483	91,408
Agricultural sciences	3,114	3,219	3,334	3,527	3,526	3,600	3,816	4,046
Biological sciences	17,962	17,446	17,454	17,808	17,677	17,846	18,972	19,733
Anatomy	246	240	221	209	229	222	263	265
Biochemistry	1,172	1,088	1,144	1,158	1,123	1,017	1,140	1,122
Biology	4,607	4,591	4,486	4,459	4,342	4,389	4,554	4,803
Biometry/epidemiology	1,061	1,045	1,199	1,326	1,179	1,256	1,301	1,370
Biophysics	143	126	111	117	121	135	161	164
Botany	648	630	605	613	612	582	567	562
Cell/molecular biology	1,248	1,278	1,272	1,364	1,353	1,296	1,389	1,442
Ecology	633	650	673	709	709	763	807	880
Entomology/parasitology	277	271	291	283	310	341	345	371
Genetics	634	642	637	627	593	623	678	695
Microbiology, immunology, and virology	1,481	1,395	1,382	1,387	1,390	1,353	1,501	1,542
Nutrition	2,353	2,171	2,100	2,124	2,074	2,009	2,086	2,138
Pathology	544	531	501	490	526	555	547	513
Pharmacology	736	686	734	737	864	901	940	941
Physiology	552	494	492	484	478	465	506	576
Zoology	609	573	533	539	497	521	486	493
Other	1,018	1,035	1,073	1,182	1,277	1,418	1,701	1,856
Computer sciences	3,040	3,143	3,198	3,521	3,629	3,778	3,962	4,027
Earth, atmospheric, and ocean sciences	4,053	4,039	4,065	4,134	4,200	4,211	4,410	4,557
Atmospheric	118	117	108	111	126	156	175	211
Earth	1,772	1,771	1,753	1,810	1,870	1,851	1,878	1,934
Ocean	772	765	829	885	921	897	954	1,002
Other	1,391	1,386	1,375	1,328	1,283	1,307	1,403	1,410
Mathematics and statistics	3,290	3,035	3,040	2,861	2,601	2,799	3,046	3,061
Mathematics/applied mathematics	2,704	2,558	2,586	2,431	2,177	2,356	2,556	2,545
Statistics	586	477	454	430	424	443	490	516
Physical sciences	4,371	4,180	4,170	4,165	4,167	4,164	4,497	4,592
Astronomy	146	137	145	146	163	154	182	199
Chemistry	3,338	3,220	3,176	3,182	3,173	3,171	3,315	3,336
Physics	771	717	759	739	741	755	863	921
Other	116	106	90	98	90	84	137	136
Psychology	27,753	27,408	26,707	26,072	24,442	24,553	24,655	24,777
Clinical	6,941	6,924	6,617	6,577	6,320	6,156	6,084	6,434
General	8,483	8,708	8,514	8,068	7,394	7,474	7,167	7,077
Nonclinical	12,329	11,776	11,576	11,427	10,728	10,923	11,404	11,266
Social sciences	26,504	25,774	24,799	24,988	23,919	24,216	25,125	26,615
Agricultural economics	355	315	295	309	331	331	325	358
Anthropology (cultural and social)	3,569	3,364	3,359	3,310	3,262	3,148	3,191	3,326
Economics	1,575	1,351	1,227	1,150	1,218	1,200	1,231	1,330
Geography	1,192	1,230	1,239	1,242	1,161	1,263	1,262	1,340
History and philosophy of science	119	120	149	163	158	182	197	199
Linguistics	1,071	995	934	901	801	830	869	929

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Political science and public administration	9,442	9,244	8,645	8,763	8,550	8,690	9,479	10,002
Sociology	3,778	3,701	3,509	3,506	3,299	3,395	3,334	3,368
Other	5,403	5,454	5,442	5,644	5,139	5,177	5,237	5,763
Engineering	8,620	8,271	8,166	7,864	7,626	7,601	8,059	8,884
Aerospace	198	183	175	198	218	210	217	279
Agricultural	86	82	103	113	118	117	117	129
Biomedical	410	472	483	520	542	572	647	805
Chemical	705	742	704	643	663	610	653	635
Civil	2,408	2,312	2,206	2,098	2,118	2,111	2,228	2,496
Electrical	1,316	1,166	1,234	1,099	981	1,011	1,028	1,035
Engineering science/physics	154	142	150	137	134	138	170	179
Industrial/manufacturing	1,544	1,438	1,272	1,315	1,211	1,162	1,249	1,323
Mechanical	766	762	791	749	687	728	743	899
Metallurgical/materials	547	500	506	443	426	449	468	483
Mining	30	43	37	33	29	29	25	27
Nuclear	84	71	71	66	69	64	63	87
Petroleum	10	9	9	13	15	10	11	12
Other	362	349	425	437	415	390	440	495
Asian/Pacific Islander	9,983	10,330	10,830	11,524	10,654	11,395	12,677	14,062
Science	8,201	8,548	8,996	9,515	8,870	9,324	10,021	10,913
Agricultural sciences	144	141	155	167	138	147	150	168
Biological sciences	2,207	2,317	2,350	2,377	2,253	2,539	2,656	2,921
Anatomy	42	44	25	29	23	29	61	49
Biochemistry	283	260	244	235	192	211	191	219
Biology	449	471	454	438	384	410	401	486
Biometry/epidemiology	197	199	246	268	290	305	328	323
Biophysics	27	21	18	29	29	35	38	43
Botany	35	34	48	48	51	55	69	66
Cell/molecular biology	174	188	244	274	262	272	305	321
Ecology	19	27	29	27	26	29	30	41
Entomology/parasitology	16	17	17	10	15	19	12	15
Genetics	62	67	66	82	56	73	81	93
Microbiology, immunology, and virology	209	253	234	216	220	244	253	276
Nutrition	225	226	212	199	168	201	196	250
Pathology	63	86	82	86	72	94	98	105
Pharmacology	138	129	149	142	151	197	200	183
Physiology	115	121	97	106	102	133	149	153
Zoology	22	15	22	18	14	15	13	17
Other	131	159	163	170	198	217	231	281
Computer sciences	1,432	1,648	1,920	2,318	2,009	1,987	2,143	2,036
Earth, atmospheric, and ocean sciences	160	164	186	192	172	170	197	205
Atmospheric	16	20	17	8	16	11	15	26
Earth	49	48	57	66	60	55	70	63
Ocean	32	25	26	36	35	30	37	31
Other	63	71	86	82	61	74	75	85
Mathematics and statistics	522	429	470	437	417	433	531	676
Mathematics/applied mathematics	397	321	369	328	307	346	412	499
Statistics	125	108	101	109	110	87	119	177
Physical sciences	648	594	610	636	573	542	531	651
Astronomy	15	17	15	13	14	15	18	17
Chemistry	513	478	485	495	473	432	411	510
Physics	108	86	96	117	76	88	93	111
Other	12	13	14	11	10	7	9	13
Psychology	1,292	1,399	1,468	1,502	1,531	1,628	1,633	1,809
Clinical	378	432	426	453	453	468	451	519
General	424	455	514	503	520	552	489	562
Nonclinical	490	512	528	546	558	608	693	728

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Social sciences	1,796	1,856	1,837	1,886	1,777	1,878	2,180	2,447
Agricultural economics	25	22	25	18	13	15	20	19
Anthropology (cultural and social)	155	162	167	183	192	186	174	188
Economics	204	202	225	240	212	202	258	305
Geography	71	61	45	54	46	57	59	78
History and philosophy of science	8	6	9	9	9	10	16	17
Linguistics	126	150	133	114	78	106	135	160
Political science and public administration	614	653	632	634	680	704	855	935
Sociology	268	258	262	254	235	240	255	307
Other	325	342	339	380	312	358	408	438
Engineering	1,782	1,782	1,834	2,009	1,784	2,071	2,656	3,149
Aerospace	19	16	21	21	26	27	31	36
Agricultural	12	15	13	15	19	21	16	15
Biomedical	83	85	86	105	125	164	208	272
Chemical	137	151	148	176	165	160	204	204
Civil	351	290	313	316	238	279	298	366
Electrical	671	692	709	704	662	728	972	1,163
Engineering science/physics	32	45	44	43	19	25	43	36
Industrial/manufacturing	176	176	156	198	164	194	267	288
Mechanical	163	143	138	179	130	168	169	177
Metallurgical/materials	59	77	75	85	73	78	102	99
Mining	3	10	13	10	1	1	2	2
Nuclear	7	12	8	6	5	8	7	9
Petroleum	5	2	4	1	1	4	6	3
Other	64	68	106	150	156	214	331	479
Black	10,819	11,012	11,331	11,708	12,536	13,076	13,763	14,693
Science	9,875	10,096	10,452	10,732	11,509	12,095	12,701	13,652
Agricultural sciences	160	160	176	151	153	201	213	266
Biological sciences	1,266	1,352	1,377	1,457	1,481	1,559	1,667	1,903
Anatomy	18	18	17	19	21	14	24	22
Biochemistry	65	63	76	76	81	76	73	96
Biology	459	483	481	482	502	507	459	543
Biometry/epidemiology	94	100	118	130	118	127	139	166
Biophysics	6	7	8	8	7	7	8	8
Botany	21	22	18	14	9	13	17	14
Cell/molecular biology	52	63	67	65	76	80	92	117
Ecology	7	5	8	11	11	13	15	27
Entomology/parasitology	10	8	6	8	8	6	8	10
Genetics	20	28	34	35	32	33	40	55
Microbiology, immunology, and virology	109	122	111	124	123	121	153	173
Nutrition	141	158	169	176	167	185	200	208
Pathology	23	30	30	35	31	32	33	35
Pharmacology	67	73	85	96	91	110	119	115
Physiology	65	71	58	51	60	56	58	67
Zoology	11	8	10	11	8	5	9	6
Other	98	93	81	116	136	174	220	241
Computer sciences	560	535	591	670	668	766	835	821
Earth, atmospheric, and ocean sciences	104	98	99	101	100	102	131	140
Atmospheric	7	4	3	4	9	7	10	12
Earth	29	20	24	31	24	25	27	35
Ocean	14	15	15	14	14	15	23	26
Other	54	59	57	52	53	55	71	67
Mathematics and statistics	343	310	274	270	273	270	286	282
Mathematics/applied mathematics	306	286	254	248	239	241	250	243
Statistics	37	24	20	22	34	29	36	39
Physical sciences	436	444	432	402	425	413	407	431
Astronomy	7	5	3	3	4	4	4	5
Chemistry	343	348	332	318	342	341	332	349

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Physics	78	71	83	70	67	53	52	57
Other	8	20	14	11	12	15	19	20
Psychology	2,644	2,736	2,926	2,844	3,343	3,479	3,545	3,744
Clinical	505	574	560	545	593	592	633	709
General	1,101	1,124	1,137	1,052	1,137	1,166	1,188	1,200
Nonclinical	1,038	1,038	1,229	1,247	1,613	1,721	1,724	1,835
Social sciences	4,362	4,461	4,577	4,837	5,066	5,305	5,617	6,065
Agricultural economics	28	36	25	35	38	35	41	38
Anthropology (cultural and social)	167	175	184	209	196	216	189	214
Economics	159	127	126	133	155	151	137	154
Geography	35	36	43	44	39	53	57	80
History and philosophy of science	3	2	4	7	6	9	11	8
Linguistics	31	30	32	36	31	32	27	35
Political science and public administration	2,187	2,254	2,339	2,530	2,628	2,796	3,042	3,238
Sociology	658	669	727	688	659	685	709	737
Other	1,094	1,132	1,097	1,155	1,314	1,328	1,404	1,561
Engineering	944	916	879	976	1,027	981	1,062	1,041
Aerospace	8	7	7	8	8	4	6	9
Agricultural	6	7	10	6	10	16	15	15
Biomedical	46	49	44	50	59	62	75	89
Chemical	97	87	80	79	79	89	81	78
Civil	161	144	133	173	178	158	182	155
Electrical	167	194	194	200	201	192	201	183
Engineering science/physics	12	8	7	7	13	10	7	6
Industrial/manufacturing	241	219	208	232	247	242	264	266
Mechanical	90	104	104	88	104	81	79	86
Metallurgical/materials	47	44	31	43	43	46	51	51
Mining	0	0	0	0	1	0	0	0
Nuclear	9	9	4	8	11	6	6	8
Petroleum	1	3	0	0	0	1	0	1
Other	59	41	57	82	73	74	95	94
Hispanic	6,924	7,289	7,645	8,324	8,935	9,460	10,448	11,070
Science	6,255	6,650	6,958	7,622	8,197	8,618	9,487	10,014
Agricultural sciences	169	163	180	213	217	215	209	240
Biological sciences	1,000	1,090	1,129	1,217	1,220	1,329	1,467	1,622
Anatomy	15	7	4	11	10	8	16	16
Biochemistry	54	77	69	70	70	84	88	110
Biology	321	369	376	358	378	387	437	454
Biometry/epidemiology	77	96	110	117	113	103	99	118
Biophysics	3	4	1	2	2	3	3	6
Botany	20	18	28	25	16	19	24	18
Cell/molecular biology	56	54	60	77	89	97	123	129
Ecology	25	20	20	26	33	40	37	37
Entomology/parasitology	15	16	8	11	13	18	19	25
Genetics	19	26	28	34	33	44	39	37
Microbiology, immunology, and virology	94	101	103	107	107	120	139	163
Nutrition	136	125	145	155	127	134	147	164
Pathology	21	25	23	28	29	36	34	33
Pharmacology	43	43	45	52	62	63	73	79
Physiology	33	32	27	40	26	26	28	36
Zoology	17	13	18	10	12	13	8	10
Other	51	64	64	94	100	134	153	187
Computer sciences	177	210	195	212	246	244	271	285
Earth, atmospheric, and ocean sciences	144	163	168	200	169	201	222	261
Atmospheric	2	3	2	3	4	7	6	8
Earth	44	59	54	70	56	78	81	100
Ocean	47	57	60	70	59	65	71	86
Other	51	44	52	57	50	51	64	67

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Mathematics and statistics	159	173	178	177	150	160	207	223
Mathematics/applied mathematics	139	152	153	158	136	147	187	196
Statistics	20	21	25	19	14	13	20	27
Physical sciences	287	283	307	346	337	357	376	417
Astronomy	3	2	2	3	3	5	8	11
Chemistry	235	235	247	289	287	292	307	339
Physics	44	40	43	41	40	58	53	61
Other	5	6	15	13	7	2	8	6
Psychology	2,130	2,215	2,347	2,610	3,106	3,261	3,527	3,551
Clinical	634	680	858	922	1,080	1,159	1,228	1,252
General	623	632	635	653	705	726	659	716
Nonclinical	873	903	854	1,035	1,321	1,376	1,640	1,583
Social sciences	2,189	2,353	2,454	2,647	2,752	2,851	3,208	3,415
Agricultural economics	21	21	21	17	16	18	13	18
Anthropology (cultural and social)	194	195	195	198	220	224	243	260
Economics	100	92	98	88	78	102	118	134
Geography	30	31	34	47	46	48	52	64
History and philosophy of science	2	2	4	8	6	6	18	16
Linguistics	92	106	117	100	103	93	95	93
Political science and public administration	967	1,040	1,087	1,187	1,294	1,291	1,530	1,581
Sociology	322	368	359	379	373	366	394	407
Other	461	498	539	623	616	703	745	842
Engineering	669	639	687	702	738	842	961	1,056
Aerospace	9	8	9	10	13	17	23	26
Agricultural	2	5	5	4	11	16	14	8
Biomedical	18	17	27	36	29	32	36	57
Chemical	70	37	65	54	69	72	84	106
Civil	204	206	219	203	236	239	274	282
Electrical	121	121	120	138	99	142	175	204
Engineering science/physics	6	9	12	15	10	11	8	5
Industrial/manufacturing	118	115	117	135	141	167	175	178
Mechanical	60	62	57	52	49	65	83	96
Metallurgical/materials	31	34	30	26	24	26	28	37
Mining	2	1	0	0	1	2	2	0
Nuclear	2	6	4	5	8	9	9	7
Petroleum	0	2	1	2	16	17	11	6
Other	26	16	21	22	32	27	39	44
American Indian/Alaska Native	770	795	810	809	868	875	924	984
Science	727	736	747	742	798	810	855	899
Agricultural sciences	26	28	26	23	22	23	40	39
Biological sciences	107	106	103	106	110	110	123	147
Anatomy	3	2	2	2	1	0	1	3
Biochemistry	4	8	4	4	3	6	3	6
Biology	36	30	27	32	36	25	28	34
Biometry/epidemiology	8	7	5	5	9	9	10	13
Biophysics	0	1	1	1	1	1	1	0
Botany	3	3	2	4	3	5	6	6
Cell/molecular biology	5	7	7	8	11	10	10	11
Ecology	3	6	3	2	3	5	4	6
Entomology/parasitology	1	0	2	1	1	1	1	1
Genetics	1	5	3	3	5	6	6	8
Microbiology, immunology, and virology	6	4	9	4	5	3	10	5
Nutrition	14	11	13	13	12	15	13	12
Pathology	4	3	3	1	1	2	0	2
Pharmacology	3	2	4	10	4	3	7	8
Physiology	3	4	5	5	2	4	7	8
Zoology	6	2	3	3	4	3	3	4
Other	7	11	10	8	9	12	13	20

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Computer sciences	14	17	24	24	30	29	31	36
Earth, atmospheric, and ocean sciences	29	35	40	31	28	33	36	33
Atmospheric	1	1	0	0	0	1	0	0
Earth	14	17	18	13	10	15	18	12
Ocean	5	8	7	5	4	6	6	6
Other	9	9	15	13	14	11	12	15
Mathematics and statistics	17	14	18	18	10	16	6	7
Mathematics/applied mathematics	15	13	15	15	6	14	6	7
Statistics	2	1	3	3	4	2	0	0
Physical sciences	18	24	23	29	21	27	28	25
Astronomy	1	1	1	1	0	0	1	2
Chemistry	14	20	18	23	18	23	20	18
Physics	3	3	4	5	3	4	7	5
Other	0	0	0	0	0	0	0	0
Psychology	248	223	224	212	257	251	237	227
Clinical	79	72	84	63	72	69	73	75
General	86	74	68	70	87	80	73	70
Nonclinical	83	77	72	79	98	102	91	82
Social sciences	268	289	289	299	320	321	354	385
Agricultural economics	2	3	3	1	1	0	2	2
Anthropology (cultural and social)	62	59	70	60	60	56	52	64
Economics	7	8	5	9	11	9	12	15
Geography	5	5	5	5	7	10	7	4
History and philosophy of science	0	0	0	1	2	2	1	2
Linguistics	2	4	7	10	8	9	8	10
Political science and public administration	80	86	84	91	90	99	119	132
Sociology	43	50	45	40	48	41	39	39
Other	67	74	70	82	93	95	114	117
Engineering	43	59	63	67	70	65	69	85
Aerospace	0	0	0	0	2	2	2	4
Agricultural	0	2	2	0	2	2	2	2
Biomedical	1	1	2	1	1	1	2	3
Chemical	8	8	8	5	11	8	8	6
Civil	10	17	12	13	10	14	18	23
Electrical	5	7	8	11	11	6	12	14
Engineering science/physics	0	1	1	1	2	2	3	4
Industrial/manufacturing	4	6	11	16	14	13	7	15
Mechanical	7	8	5	8	9	9	9	7
Metallurgical/materials	1	2	6	5	2	2	2	2
Mining	0	0	0	0	0	0	1	1
Nuclear	1	1	1	1	1	0	0	0
Petroleum	0	1	0	0	0	0	0	0
Other	6	5	7	6	5	6	3	4
Other race/ethnicity	7,353	7,793	7,840	8,126	8,908	9,122	9,922	11,204
Science	6,576	6,929	7,088	7,363	8,098	8,255	8,924	9,942
Agricultural sciences	105	160	135	113	185	220	213	233
Biological sciences	847	1,042	1,090	1,215	1,223	1,286	1,389	1,673
Anatomy	7	11	15	9	10	5	18	14
Biochemistry	37	85	59	61	42	69	105	128
Biology	315	368	368	397	337	342	363	439
Biometry/epidemiology	60	73	140	101	99	115	63	83
Biophysics	13	12	25	13	15	6	10	10
Botany	21	23	31	21	26	27	33	37
Cell/molecular biology	31	52	65	98	140	153	176	208
Ecology	24	28	25	32	49	45	54	85
Entomology/parasitology	7	13	10	9	10	10	11	10
Genetics	17	21	18	63	73	58	50	54
Microbiology, immunology, and virology	46	68	68	130	118	110	121	140

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Nutrition	102	73	68	78	100	128	114	136
Pathology	19	32	32	38	39	39	40	40
Pharmacology	25	27	26	27	25	34	43	51
Physiology	29	43	23	24	25	14	22	40
Zoology	8	17	30	21	25	22	21	26
Other	86	96	87	93	90	109	145	172
Computer sciences	513	645	649	667	824	839	964	891
Earth, atmospheric, and ocean sciences	185	198	247	210	188	194	239	322
Atmospheric	7	20	16	11	11	10	10	16
Earth	93	91	115	79	80	74	107	143
Ocean	33	21	43	28	32	36	33	45
Other	52	66	73	92	65	74	89	118
Mathematics and statistics	226	208	225	219	210	249	303	335
Mathematics/applied mathematics	198	183	186	187	169	195	242	293
Statistics	28	25	39	32	41	54	61	42
Physical sciences	244	312	291	284	309	356	339	410
Astronomy	6	7	15	6	13	13	16	19
Chemistry	168	236	183	170	184	194	198	267
Physics	66	64	77	75	72	117	94	97
Other	4	5	16	33	40	32	31	27
Psychology	2,415	2,380	2,402	2,582	2,682	2,402	2,366	2,570
Clinical	347	402	378	445	459	621	625	655
General	541	505	593	606	684	678	537	652
Nonclinical	1,527	1,473	1,431	1,531	1,539	1,103	1,204	1,263
Social sciences	2,041	1,984	2,049	2,073	2,477	2,709	3,111	3,508
Agricultural economics	10	17	21	13	14	24	27	30
Anthropology (cultural and social)	177	172	194	236	290	311	308	356
Economics	90	87	127	99	141	171	182	149
Geography	64	65	88	74	84	77	86	100
History and philosophy of science	5	11	4	6	8	10	31	27
Linguistics	81	103	74	72	109	91	103	151
Political science and public administration	987	768	750	727	886	1,018	1,357	1,644
Sociology	168	193	196	207	243	220	254	250
Other	459	568	595	639	702	787	763	801
Engineering	777	864	752	763	810	867	998	1,262
Aerospace	12	13	12	18	15	15	21	36
Agricultural	2	17	8	12	13	10	5	7
Biomedical	11	22	34	32	22	53	63	108
Chemical	47	51	54	63	67	46	56	64
Civil	183	146	163	152	129	156	209	227
Electrical	257	317	253	237	292	301	280	359
Engineering science/physics	12	4	6	12	17	23	21	5
Industrial/manufacturing	136	125	105	107	119	112	152	193
Mechanical	58	87	58	65	72	66	81	105
Metallurgical/materials	18	44	29	16	13	21	17	30
Mining	6	1	1	0	0	0	0	0
Nuclear	2	1	0	1	1	1	2	4
Petroleum	0	1	1	1	8	8	12	2
Other	33	35	28	47	42	55	79	122
Temporary residents	27,115	28,277	30,038	32,965	36,791	40,734	44,368	45,808
Science	21,696	22,088	23,431	25,459	28,100	30,904	33,206	33,696
Agricultural sciences	867	835	846	855	847	937	1,012	1,034
Biological sciences	5,253	5,123	5,450	5,441	5,843	6,380	7,153	7,873
Anatomy	69	61	58	66	73	74	84	97
Biochemistry	673	595	633	662	720	760	822	914
Biology	942	975	1,021	977	1,027	1,129	1,272	1,375
Biometry/epidemiology	277	256	335	376	433	512	612	698
Biophysics	52	45	45	43	56	75	85	108

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1996–2003

Field, citizenship, and race/ethnicity	1996	1997	1998	1999	2000	2001	2002	2003
Botany	250	266	279	257	269	273	303	293
Cell/molecular biology	415	413	426	474	563	613	696	792
Ecology	66	62	72	74	85	84	92	132
Entomology/parasitology	98	85	80	84	85	85	96	105
Genetics	155	179	197	172	181	209	218	274
Microbiology, immunology, and virology	487	453	464	482	469	544	631	634
Nutrition	709	696	706	686	731	764	756	750
Pathology	135	125	133	126	131	137	154	182
Pharmacology	279	269	282	279	319	350	391	441
Physiology	184	169	184	188	189	213	224	264
Zoology	94	75	78	68	82	88	98	89
Other	368	399	457	427	430	470	619	725
Computer sciences	3,061	3,683	4,225	5,133	6,674	7,659	7,819	6,695
Earth, atmospheric, and ocean sciences	772	719	763	857	896	981	1,012	1,037
Atmospheric	83	98	88	105	102	106	117	101
Earth	319	290	294	331	355	385	432	477
Ocean	167	164	182	184	202	206	185	196
Other	203	167	199	237	237	284	278	263
Mathematics and statistics	1,662	1,699	1,783	2,061	2,119	2,343	2,507	2,705
Mathematics/applied mathematics	1,227	1,270	1,332	1,495	1,474	1,519	1,586	1,623
Statistics	435	429	451	566	645	824	921	1,082
Physical sciences	3,041	3,011	2,920	3,053	3,283	3,477	3,888	4,252
Astronomy	49	39	49	53	70	74	73	92
Chemistry	2,228	2,185	2,123	2,140	2,279	2,402	2,742	3,020
Physics	739	763	718	829	911	967	1,039	1,114
Other	25	24	30	31	23	34	34	26
Psychology	1,265	1,258	1,388	1,449	1,511	1,744	1,765	1,990
Clinical	203	228	250	280	306	334	373	391
General	388	379	386	435	500	607	563	708
Nonclinical	674	651	752	734	705	803	829	891
Social sciences	5,775	5,760	6,056	6,610	6,927	7,383	8,050	8,110
Agricultural economics	269	274	290	322	376	412	416	430
Anthropology (cultural and social)	362	374	387	448	465	421	460	456
Economics	1,648	1,645	1,656	1,780	1,950	2,160	2,330	2,413
Geography	164	197	209	237	244	293	320	334
History and philosophy of science	15	21	23	18	30	25	27	18
Linguistics	620	629	656	600	614	632	654	627
Political science and public administration	1,355	1,359	1,424	1,641	1,799	1,903	2,237	2,298
Sociology	548	583	598	665	723	785	783	793
Other	794	678	813	899	726	752	823	741
Engineering	5,419	6,189	6,607	7,506	8,691	9,830	11,162	12,112
Aerospace	106	144	158	168	187	210	216	213
Agricultural	102	90	102	101	95	102	103	121
Biomedical	164	180	194	260	292	370	498	628
Chemical	587	644	668	713	821	844	909	1,007
Civil	983	1,049	1,056	1,202	1,368	1,546	1,696	1,843
Electrical	1,692	2,053	2,354	2,744	3,290	3,832	4,602	4,833
Engineering science/physics	79	69	111	104	147	154	178	230
Industrial/manufacturing	550	577	583	656	817	918	962	997
Mechanical	492	613	609	647	781	827	919	994
Metallurgical/materials	374	416	453	466	460	551	583	630
Mining	13	8	4	12	14	4	7	12
Nuclear	48	43	46	57	61	69	61	67
Petroleum	44	59	40	65	47	51	67	105
Other	185	244	229	311	311	352	361	432

NOTES: Race/ethnicity breakouts are for U.S. citizens and permanent residents only. Temporary residents include all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1996–2003.