

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
All female S&E graduate students	162,011	163,427	168,396	170,479	177,430	188,644	198,434	202,020
Science	143,291	144,439	148,509	149,733	155,173	163,677	170,847	174,702
Agricultural sciences	4,706	4,852	5,049	5,088	5,343	5,653	6,026	6,258
Biological sciences	28,476	28,953	29,621	29,807	31,049	33,427	35,883	37,249
Anatomy	383	342	345	367	352	467	466	480
Biochemistry	2,176	2,229	2,266	2,231	2,223	2,422	2,595	2,643
Biology	7,287	7,213	7,143	7,006	7,189	7,514	8,158	8,605
Biometry/epidemiology	1,776	2,153	2,323	2,241	2,427	2,552	2,771	2,867
Biophysics	216	209	213	231	262	306	339	434
Botany	996	1,011	982	986	974	1,019	996	974
Cell/molecular biology	2,055	2,141	2,360	2,494	2,521	2,791	3,006	3,095
Ecology	798	830	881	916	979	1,039	1,208	1,192
Entomology/parasitology	410	414	406	442	480	492	537	565
Genetics	968	983	1,016	973	1,046	1,112	1,216	1,283
Microbiology, immunology, and virology	2,396	2,371	2,450	2,432	2,495	2,808	2,933	3,053
Nutrition	3,460	3,413	3,431	3,379	3,436	3,512	3,658	3,680
Pathology	832	804	804	829	895	906	910	911
Pharmacology	1,229	1,325	1,343	1,516	1,658	1,773	1,818	1,694
Physiology	934	886	898	882	911	994	1,144	1,248
Zoology	703	694	670	642	667	638	645	640
Other	1,857	1,935	2,090	2,240	2,534	3,082	3,483	3,885
Computer sciences	9,881	10,802	12,545	14,080	15,302	16,025	14,816	13,366
Earth, atmospheric, and ocean sciences	5,416	5,568	5,725	5,753	5,892	6,247	6,538	6,928
Atmospheric	263	234	242	268	298	333	374	363
Earth	2,296	2,315	2,400	2,455	2,483	2,613	2,764	3,055
Ocean	1,055	1,162	1,222	1,267	1,255	1,309	1,392	1,509
Other	1,802	1,857	1,861	1,763	1,856	1,992	2,008	2,001
Mathematics and statistics	5,868	5,988	6,043	5,780	6,270	6,886	7,289	7,486
Mathematics/applied mathematics	4,783	4,895	4,862	4,508	4,818	5,239	5,406	5,585
Statistics	1,085	1,093	1,181	1,272	1,452	1,647	1,883	1,901
Physical sciences	8,848	8,753	8,915	9,115	9,336	10,066	10,778	11,298
Astronomy	208	230	225	267	265	302	345	355
Chemistry	6,722	6,564	6,617	6,756	6,855	7,325	7,839	8,232
Physics	1,744	1,780	1,876	1,910	2,042	2,201	2,366	2,499
Other	174	179	197	182	174	238	228	212
Psychology	37,619	37,462	37,271	36,872	37,318	37,728	38,816	40,092
Clinical	9,312	9,173	9,285	9,283	9,399	9,467	9,955	10,547
General	11,877	11,847	11,387	11,027	11,283	10,676	10,998	11,107
Nonclinical	16,430	16,442	16,599	16,562	16,636	17,585	17,863	18,438
Social sciences	42,477	42,061	43,340	43,238	44,663	47,645	50,701	52,025
Agricultural economics	688	680	715	789	835	844	900	854
Anthropology (cultural and social)	4,501	4,556	4,644	4,685	4,562	4,617	4,870	4,968
Economics	3,512	3,464	3,499	3,765	3,995	4,268	4,508	4,473
Geography	1,625	1,663	1,703	1,627	1,801	1,843	2,028	2,007
History and philosophy of science	162	193	212	219	244	301	312	414
Linguistics	2,017	1,953	1,833	1,744	1,793	1,891	2,005	1,923
Political science and public administration	15,404	14,961	15,573	15,927	16,501	18,619	19,842	20,960
Sociology	5,822	5,696	5,739	5,580	5,732	5,768	5,901	5,807
Other	8,746	8,895	9,422	8,902	9,200	9,494	10,335	10,619
Engineering	18,720	18,988	19,887	20,746	22,257	24,967	27,587	27,318
Aerospace	371	382	423	469	485	516	603	600
Agricultural	218	243	251	268	284	272	297	295
Biomedical	826	870	1,004	1,070	1,254	1,529	1,962	2,213
Chemical	1,720	1,727	1,733	1,875	1,829	1,995	2,100	2,106
Civil	4,164	4,102	4,157	4,277	4,503	4,905	5,398	5,454
Electrical	4,550	4,872	5,133	5,536	6,212	7,270	7,794	7,201
Engineering science/physics	278	331	319	342	363	430	465	465
Industrial/manufacturing	2,656	2,452	2,659	2,713	2,808	3,076	3,266	3,229
Mechanical	1,779	1,762	1,788	1,832	1,944	2,083	2,354	2,477

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Metallurgical/materials	1,117	1,130	1,084	1,041	1,173	1,251	1,331	1,320
Mining	63	55	55	46	36	37	42	42
Nuclear	143	134	144	156	157	148	182	196
Petroleum	77	55	82	87	91	107	129	134
Other	758	873	1,055	1,034	1,118	1,348	1,664	1,586
U.S. citizens and permanent residents	133,734	133,389	135,431	133,688	136,696	144,276	152,431	156,118
Science	121,203	121,008	123,050	121,633	124,269	130,471	136,985	140,742
Agricultural sciences	3,871	4,006	4,194	4,241	4,406	4,641	4,988	5,171
Biological sciences	23,353	23,503	24,180	23,964	24,669	26,274	27,976	28,791
Anatomy	322	284	279	294	278	383	365	391
Biochemistry	1,581	1,596	1,604	1,511	1,463	1,600	1,681	1,700
Biology	6,312	6,192	6,166	5,979	6,060	6,242	6,767	7,087
Biometry/epidemiology	1,520	1,818	1,947	1,808	1,915	1,940	2,073	2,169
Biophysics	171	164	170	175	187	221	231	296
Botany	730	732	725	717	701	716	703	669
Cell/molecular biology	1,642	1,715	1,886	1,931	1,908	2,095	2,214	2,186
Ecology	736	758	807	831	895	947	1,072	1,062
Entomology/parasitology	325	334	322	357	395	396	432	448
Genetics	789	786	844	792	837	894	942	975
Microbiology, immunology, and virology	1,943	1,907	1,968	1,963	1,951	2,177	2,299	2,337
Nutrition	2,764	2,707	2,745	2,648	2,672	2,756	2,908	2,950
Pathology	707	671	678	698	758	752	728	750
Pharmacology	960	1,043	1,064	1,197	1,308	1,382	1,377	1,244
Physiology	765	702	710	693	698	770	880	976
Zoology	628	616	602	560	579	540	556	552
Other	1,458	1,478	1,663	1,810	2,064	2,463	2,748	2,999
Computer sciences	6,198	6,577	7,412	7,406	7,643	8,206	8,051	7,447
Earth, atmospheric, and ocean sciences	4,697	4,805	4,868	4,857	4,911	5,235	5,496	5,854
Atmospheric	165	146	137	166	192	216	267	260
Earth	2,006	2,021	2,069	2,100	2,098	2,181	2,287	2,554
Ocean	891	980	1,038	1,065	1,049	1,124	1,196	1,291
Other	1,635	1,658	1,624	1,526	1,572	1,714	1,746	1,749
Mathematics and statistics	4,169	4,205	3,982	3,661	3,927	4,379	4,533	4,788
Mathematics/applied mathematics	3,513	3,563	3,367	3,034	3,299	3,653	3,777	3,974
Statistics	656	642	615	627	628	726	756	814
Physical sciences	5,837	5,833	5,862	5,832	5,859	6,178	6,523	6,790
Astronomy	169	181	172	197	191	229	253	258
Chemistry	4,537	4,441	4,477	4,477	4,453	4,583	4,819	5,023
Physics	981	1,062	1,047	999	1,075	1,162	1,249	1,323
Other	150	149	166	159	140	204	202	186
Psychology	36,361	36,074	35,822	35,361	35,574	35,963	36,859	38,172
Clinical	9,084	8,923	9,005	8,977	9,065	9,094	9,565	10,217
General	11,498	11,461	10,952	10,527	10,676	10,113	10,346	10,459
Nonclinical	15,779	15,690	15,865	15,857	15,833	16,756	16,948	17,496
Social sciences	36,717	36,005	36,730	36,311	37,280	39,595	42,559	43,729
Agricultural economics	414	390	393	413	423	428	467	477
Anthropology (cultural and social)	4,127	4,169	4,196	4,220	4,141	4,157	4,414	4,479
Economics	1,867	1,808	1,719	1,815	1,835	1,938	2,075	2,013
Geography	1,428	1,454	1,466	1,383	1,508	1,523	1,691	1,672
History and philosophy of science	141	170	194	189	219	274	290	389
Linguistics	1,388	1,297	1,233	1,130	1,161	1,237	1,378	1,266
Political science and public administration	14,045	13,537	13,932	14,128	14,598	16,382	17,544	18,590
Sociology	5,239	5,098	5,074	4,857	4,947	4,985	5,108	5,057
Other	8,068	8,082	8,523	8,176	8,448	8,671	9,592	9,786
Engineering	12,531	12,381	12,381	12,055	12,427	13,805	15,446	15,376
Aerospace	227	224	255	282	275	300	390	377
Agricultural	128	141	150	173	182	169	176	170
Biomedical	646	676	744	778	884	1,031	1,321	1,486

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Chemical	1,076	1,059	1,020	1,054	985	1,086	1,094	1,139
Civil	3,115	3,046	2,955	2,909	2,957	3,209	3,552	3,576
Electrical	2,497	2,518	2,389	2,246	2,380	2,668	2,962	2,652
Engineering science/physics	209	220	215	195	209	252	235	254
Industrial/manufacturing	2,079	1,869	2,003	1,896	1,890	2,114	2,261	2,224
Mechanical	1,166	1,153	1,141	1,051	1,117	1,164	1,366	1,441
Metallurgical/materials	701	677	618	581	622	668	702	689
Mining	55	51	43	32	32	30	30	33
Nuclear	100	88	87	95	88	87	115	123
Petroleum	18	15	17	40	40	40	24	33
Other	514	644	744	723	766	987	1,218	1,179
White	96,515	94,933	94,940	91,787	92,768	96,542	100,572	101,961
Science	88,244	86,767	87,076	84,161	85,167	88,483	91,680	93,089
Agricultural sciences	3,219	3,334	3,527	3,526	3,600	3,816	4,061	4,191
Biological sciences	17,446	17,454	17,808	17,677	17,846	18,972	19,749	20,007
Anatomy	240	221	209	229	222	263	265	259
Biochemistry	1,088	1,144	1,158	1,123	1,017	1,140	1,122	1,177
Biology	4,591	4,486	4,459	4,342	4,389	4,554	4,816	4,969
Biometry/epidemiology	1,045	1,199	1,326	1,179	1,256	1,301	1,370	1,406
Biophysics	126	111	117	121	135	161	164	210
Botany	630	605	613	612	582	567	562	506
Cell/molecular biology	1,278	1,272	1,364	1,353	1,296	1,389	1,433	1,425
Ecology	650	673	709	709	763	807	883	881
Entomology/parasitology	271	291	283	310	341	345	371	387
Genetics	642	637	627	593	623	678	695	725
Microbiology, immunology, and virology	1,395	1,382	1,387	1,390	1,353	1,501	1,550	1,585
Nutrition	2,171	2,100	2,124	2,074	2,009	2,086	2,138	2,079
Pathology	531	501	490	526	555	547	513	534
Pharmacology	686	734	737	864	901	940	941	819
Physiology	494	492	484	478	465	506	576	608
Zoology	573	533	539	497	521	486	493	485
Other	1,035	1,073	1,182	1,277	1,418	1,701	1,857	1,952
Computer sciences	3,143	3,198	3,521	3,629	3,778	3,962	4,039	3,876
Earth, atmospheric, and ocean sciences	4,039	4,065	4,134	4,200	4,211	4,410	4,541	4,819
Atmospheric	117	108	111	126	156	175	211	204
Earth	1,771	1,753	1,810	1,870	1,851	1,878	1,934	2,169
Ocean	765	829	885	921	897	954	1,002	1,072
Other	1,386	1,375	1,328	1,283	1,307	1,403	1,394	1,374
Mathematics and statistics	3,035	3,040	2,861	2,601	2,799	3,046	3,061	3,285
Mathematics/applied mathematics	2,558	2,586	2,431	2,177	2,356	2,556	2,545	2,765
Statistics	477	454	430	424	443	490	516	520
Physical sciences	4,180	4,170	4,165	4,167	4,164	4,497	4,592	4,716
Astronomy	137	145	146	163	154	182	199	206
Chemistry	3,220	3,176	3,182	3,173	3,171	3,315	3,336	3,403
Physics	717	759	739	741	755	863	921	979
Other	106	90	98	90	84	137	136	128
Psychology	27,408	26,707	26,072	24,442	24,553	24,655	24,900	25,066
Clinical	6,924	6,617	6,577	6,320	6,156	6,084	6,378	6,562
General	8,708	8,514	8,068	7,394	7,474	7,167	7,130	7,173
Nonclinical	11,776	11,576	11,427	10,728	10,923	11,404	11,392	11,331
Social sciences	25,774	24,799	24,988	23,919	24,216	25,125	26,737	27,129
Agricultural economics	315	295	309	331	331	325	369	353
Anthropology (cultural and social)	3,364	3,359	3,310	3,262	3,148	3,191	3,330	3,326
Economics	1,351	1,227	1,150	1,218	1,200	1,231	1,330	1,278
Geography	1,230	1,239	1,242	1,161	1,263	1,262	1,363	1,333
History and philosophy of science	120	149	163	158	182	197	218	295
Linguistics	995	934	901	801	830	869	929	889
Political science and public administration	9,244	8,645	8,763	8,550	8,690	9,479	10,012	10,414

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Sociology	3,701	3,509	3,506	3,299	3,395	3,334	3,368	3,343
Other	5,454	5,442	5,644	5,139	5,177	5,237	5,818	5,898
Engineering	8,271	8,166	7,864	7,626	7,601	8,059	8,892	8,872
Aerospace	183	175	198	218	210	217	279	256
Agricultural	82	103	113	118	117	117	129	131
Biomedical	472	483	520	542	572	647	805	885
Chemical	742	704	643	663	610	653	635	676
Civil	2,312	2,206	2,098	2,118	2,111	2,228	2,499	2,504
Electrical	1,166	1,234	1,099	981	1,011	1,028	1,036	968
Engineering science/physics	142	150	137	134	138	170	179	173
Industrial/manufacturing	1,438	1,272	1,315	1,211	1,162	1,249	1,323	1,261
Mechanical	762	791	749	687	728	743	904	928
Metallurgical/materials	500	506	443	426	449	468	482	488
Mining	43	37	33	29	29	25	27	25
Nuclear	71	71	66	69	64	63	87	84
Petroleum	9	9	13	15	10	11	12	14
Other	349	425	437	415	390	440	495	479
Asian/Pacific Islander	10,330	10,830	11,524	10,654	11,395	12,677	13,859	13,962
Science	8,548	8,996	9,515	8,870	9,324	10,021	10,743	10,887
Agricultural sciences	141	155	167	138	147	150	165	196
Biological sciences	2,317	2,350	2,377	2,253	2,539	2,656	2,894	3,074
Anatomy	44	25	29	23	29	61	45	57
Biochemistry	260	244	235	192	211	191	219	216
Biology	471	454	438	384	410	401	477	527
Biometry/epidemiology	199	246	268	290	305	328	323	343
Biophysics	21	18	29	29	35	38	43	50
Botany	34	48	48	51	55	69	66	61
Cell/molecular biology	188	244	274	262	272	305	320	333
Ecology	27	29	27	26	29	30	38	29
Entomology/parasitology	17	17	10	15	19	12	15	17
Genetics	67	66	82	56	73	81	93	90
Microbiology, immunology, and virology	253	234	216	220	244	253	276	277
Nutrition	226	212	199	168	201	196	250	279
Pathology	86	82	86	72	94	98	105	110
Pharmacology	129	149	142	151	197	200	183	167
Physiology	121	97	106	102	133	149	153	189
Zoology	15	22	18	14	15	13	17	25
Other	159	163	170	198	217	231	271	304
Computer sciences	1,648	1,920	2,318	2,009	1,987	2,143	1,973	1,682
Earth, atmospheric, and ocean sciences	164	186	192	172	170	197	200	229
Atmospheric	20	17	8	16	11	15	20	24
Earth	48	57	66	60	55	70	63	79
Ocean	25	26	36	35	30	37	31	42
Other	71	86	82	61	74	75	86	84
Mathematics and statistics	429	470	437	417	433	531	625	596
Mathematics/applied mathematics	321	369	328	307	346	412	493	435
Statistics	108	101	109	110	87	119	132	161
Physical sciences	594	610	636	573	542	531	649	692
Astronomy	17	15	13	14	15	18	17	15
Chemistry	478	485	495	473	432	411	510	545
Physics	86	96	117	76	88	93	109	121
Other	13	14	11	10	7	9	13	11
Psychology	1,399	1,468	1,502	1,531	1,628	1,633	1,800	1,883
Clinical	432	426	453	453	468	451	506	562
General	455	514	503	520	552	489	562	576
Nonclinical	512	528	546	558	608	693	732	745

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Social sciences	1,856	1,837	1,886	1,777	1,878	2,180	2,437	2,535
Agricultural economics	22	25	18	13	15	20	19	29
Anthropology (cultural and social)	162	167	183	192	186	174	189	205
Economics	202	225	240	212	202	258	293	282
Geography	61	45	54	46	57	59	78	78
History and philosophy of science	6	9	9	9	10	16	17	20
Linguistics	150	133	114	78	106	135	160	127
Political science and public administration	653	632	634	680	704	855	935	1,015
Sociology	258	262	254	235	240	255	307	266
Other	342	339	380	312	358	408	439	513
Engineering	1,782	1,834	2,009	1,784	2,071	2,656	3,116	3,075
Aerospace	16	21	21	26	27	31	36	51
Agricultural	15	13	15	19	21	16	15	16
Biomedical	85	86	105	125	164	208	259	341
Chemical	151	148	176	165	160	204	205	194
Civil	290	313	316	238	279	298	366	381
Electrical	692	709	704	662	728	972	1,164	1,035
Engineering science/physics	45	44	43	19	25	43	36	43
Industrial/manufacturing	176	156	198	164	194	267	285	277
Mechanical	143	138	179	130	168	169	174	199
Metallurgical/materials	77	75	85	73	78	102	99	96
Mining	10	13	10	1	1	2	2	1
Nuclear	12	8	6	5	8	7	9	14
Petroleum	2	4	1	1	4	6	3	7
Other	68	106	150	156	214	331	463	420
Black	11,012	11,331	11,708	12,536	13,076	13,763	14,718	14,883
Science	10,096	10,452	10,732	11,509	12,095	12,701	13,677	13,752
Agricultural sciences	160	176	151	153	201	213	266	241
Biological sciences	1,352	1,377	1,457	1,481	1,559	1,667	1,899	2,025
Anatomy	18	17	19	21	14	24	22	34
Biochemistry	63	76	76	81	76	73	96	97
Biology	483	481	482	502	507	459	543	535
Biometry/epidemiology	100	118	130	118	127	139	166	193
Biophysics	7	8	8	7	7	8	8	10
Botany	22	18	14	9	13	17	14	12
Cell/molecular biology	63	67	65	76	80	92	113	123
Ecology	5	8	11	11	13	15	27	19
Entomology/parasitology	8	6	8	8	6	8	10	9
Genetics	28	34	35	32	33	40	55	53
Microbiology, immunology, and virology	122	111	124	123	121	153	173	161
Nutrition	158	169	176	167	185	200	208	244
Pathology	30	30	35	31	32	33	35	43
Pharmacology	73	85	96	91	110	119	115	125
Physiology	71	58	51	60	56	58	67	69
Zoology	8	10	11	8	5	9	6	7
Other	93	81	116	136	174	220	241	291
Computer sciences	535	591	670	668	766	835	823	714
Earth, atmospheric, and ocean sciences	98	99	101	100	102	131	140	141
Atmospheric	4	3	4	9	7	10	12	14
Earth	20	24	31	24	25	27	35	43
Ocean	15	15	14	14	15	23	26	22
Other	59	57	52	53	55	71	67	62
Mathematics and statistics	310	274	270	273	270	286	282	328
Mathematics/applied mathematics	286	254	248	239	241	250	243	277
Statistics	24	20	22	34	29	36	39	51
Physical sciences	444	432	402	425	413	407	431	454
Astronomy	5	3	3	4	4	4	5	6
Chemistry	348	332	318	342	341	332	349	380

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Physics	71	83	70	67	53	52	57	57
Other	20	14	11	12	15	19	20	11
Psychology	2,736	2,926	2,844	3,343	3,479	3,545	3,758	3,751
Clinical	574	560	545	593	592	633	706	724
General	1,124	1,137	1,052	1,137	1,166	1,188	1,209	1,184
Nonclinical	1,038	1,229	1,247	1,613	1,721	1,724	1,843	1,843
Social sciences	4,461	4,577	4,837	5,066	5,305	5,617	6,078	6,098
Agricultural economics	36	25	35	38	35	41	38	28
Anthropology (cultural and social)	175	184	209	196	216	189	215	216
Economics	127	126	133	155	151	137	154	157
Geography	36	43	44	39	53	57	80	85
History and philosophy of science	2	4	7	6	9	11	9	10
Linguistics	30	32	36	31	32	27	35	31
Political science and public administration	2,254	2,339	2,530	2,628	2,796	3,042	3,239	3,247
Sociology	669	727	688	659	685	709	737	750
Other	1,132	1,097	1,155	1,314	1,328	1,404	1,571	1,574
Engineering	916	879	976	1,027	981	1,062	1,041	1,131
Aerospace	7	7	8	8	4	6	9	14
Agricultural	7	10	6	10	16	15	15	13
Biomedical	49	44	50	59	62	75	89	117
Chemical	87	80	79	79	89	81	78	74
Civil	144	133	173	178	158	182	155	160
Electrical	194	194	200	201	192	201	183	195
Engineering science/physics	8	7	7	13	10	7	6	12
Industrial/manufacturing	219	208	232	247	242	264	266	273
Mechanical	104	104	88	104	81	79	86	91
Metallurgical/materials	44	31	43	43	46	51	51	48
Mining	0	0	0	1	0	0	0	0
Nuclear	9	4	8	11	6	6	8	12
Petroleum	3	0	0	0	1	0	1	4
Other	41	57	82	73	74	95	94	118
Hispanic	7,289	7,645	8,324	8,935	9,460	10,448	11,061	11,706
Science	6,650	6,958	7,622	8,197	8,618	9,487	10,004	10,601
Agricultural sciences	163	180	213	217	215	209	239	258
Biological sciences	1,090	1,129	1,217	1,220	1,329	1,467	1,612	1,769
Anatomy	7	4	11	10	8	16	16	22
Biochemistry	77	69	70	70	84	88	110	108
Biology	369	376	358	378	387	437	454	508
Biometry/epidemiology	96	110	117	113	103	99	118	119
Biophysics	4	1	2	2	3	3	6	9
Botany	18	28	25	16	19	24	18	41
Cell/molecular biology	54	60	77	89	97	123	129	130
Ecology	20	20	26	33	40	37	34	39
Entomology/parasitology	16	8	11	13	18	19	25	20
Genetics	26	28	34	33	44	39	37	34
Microbiology, immunology, and virology	101	103	107	107	120	139	155	173
Nutrition	125	145	155	127	134	147	164	191
Pathology	25	23	28	29	36	34	33	28
Pharmacology	43	45	52	62	63	73	79	76
Physiology	32	27	40	26	26	28	36	53
Zoology	13	18	10	12	13	8	10	14
Other	64	64	94	100	134	153	188	204
Computer sciences	210	195	212	246	244	271	286	293
Earth, atmospheric, and ocean sciences	163	168	200	169	201	222	261	302
Atmospheric	3	2	3	4	7	6	8	12
Earth	59	54	70	56	78	81	100	111
Ocean	57	60	70	59	65	71	86	91
Other	44	52	57	50	51	64	67	88

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Mathematics and statistics	173	178	177	150	160	207	223	227
Mathematics/applied mathematics	152	153	158	136	147	187	196	200
Statistics	21	25	19	14	13	20	27	27
Physical sciences	283	307	346	337	357	376	416	489
Astronomy	2	2	3	3	5	8	11	13
Chemistry	235	247	289	287	292	307	339	396
Physics	40	43	41	40	58	53	60	71
Other	6	15	13	7	2	8	6	9
Psychology	2,215	2,347	2,610	3,106	3,261	3,527	3,549	3,645
Clinical	680	858	922	1,080	1,159	1,228	1,245	1,370
General	632	635	653	705	726	659	719	751
Nonclinical	903	854	1,035	1,321	1,376	1,640	1,585	1,524
Social sciences	2,353	2,454	2,647	2,752	2,851	3,208	3,418	3,618
Agricultural economics	21	21	17	16	18	13	18	23
Anthropology (cultural and social)	195	195	198	220	224	243	260	294
Economics	92	98	88	78	102	118	134	122
Geography	31	34	47	46	48	52	64	65
History and philosophy of science	2	4	8	6	6	18	16	26
Linguistics	106	117	100	103	93	95	93	85
Political science and public administration	1,040	1,087	1,187	1,294	1,291	1,530	1,582	1,780
Sociology	368	359	379	373	366	394	407	375
Other	498	539	623	616	703	745	844	848
Engineering	639	687	702	738	842	961	1,057	1,105
Aerospace	8	9	10	13	17	23	26	22
Agricultural	5	5	4	11	16	14	8	4
Biomedical	17	27	36	29	32	36	57	65
Chemical	37	65	54	69	72	84	106	117
Civil	206	219	203	236	239	274	282	283
Electrical	121	120	138	99	142	175	204	184
Engineering science/physics	9	12	15	10	11	8	5	6
Industrial/manufacturing	115	117	135	141	167	175	179	211
Mechanical	62	57	52	49	65	83	96	118
Metallurgical/materials	34	30	26	24	26	28	38	31
Mining	1	0	0	1	2	2	0	5
Nuclear	6	4	5	8	9	9	7	7
Petroleum	2	1	2	16	17	11	6	6
Other	16	21	22	32	27	39	43	46
American Indian/Alaska Native	795	810	809	868	875	924	989	1,008
Science	736	747	742	798	810	855	904	930
Agricultural sciences	28	26	23	22	23	40	39	47
Biological sciences	106	103	106	110	110	123	147	157
Anatomy	2	2	2	1	0	1	3	2
Biochemistry	8	4	4	3	6	3	6	7
Biology	30	27	32	36	25	28	34	32
Biometry/epidemiology	7	5	5	9	9	10	13	13
Biophysics	1	1	1	1	1	1	0	3
Botany	3	2	4	3	5	6	6	6
Cell/molecular biology	7	7	8	11	10	10	11	12
Ecology	6	3	2	3	5	4	6	9
Entomology/parasitology	0	2	1	1	1	1	1	3
Genetics	5	3	3	5	6	6	8	10
Microbiology, immunology, and virology	4	9	4	5	3	10	5	9
Nutrition	11	13	13	12	15	13	12	7
Pathology	3	3	1	1	2	0	2	5
Pharmacology	2	4	10	4	3	7	8	11
Physiology	4	5	5	2	4	7	8	9
Zoology	2	3	3	4	3	3	4	4
Other	11	10	8	9	12	13	20	15

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Computer sciences	17	24	24	30	29	31	36	30
Earth, atmospheric, and ocean sciences	35	40	31	28	33	36	33	27
Atmospheric	1	0	0	0	1	0	0	0
Earth	17	18	13	10	15	18	12	11
Ocean	8	7	5	4	6	6	6	9
Other	9	15	13	14	11	12	15	7
Mathematics and statistics	14	18	18	10	16	6	7	13
Mathematics/applied mathematics	13	15	15	6	14	6	7	13
Statistics	1	3	3	4	2	0	0	0
Physical sciences	24	23	29	21	27	28	25	28
Astronomy	1	1	1	0	0	1	2	2
Chemistry	20	18	23	18	23	20	18	20
Physics	3	4	5	3	4	7	5	5
Other	0	0	0	0	0	0	0	1
Psychology	223	224	212	257	251	237	229	234
Clinical	72	84	63	72	69	73	75	61
General	74	68	70	87	80	73	71	79
Nonclinical	77	72	79	98	102	91	83	94
Social sciences	289	289	299	320	321	354	388	394
Agricultural economics	3	3	1	1	0	2	2	15
Anthropology (cultural and social)	59	70	60	60	56	52	64	66
Economics	8	5	9	11	9	12	15	17
Geography	5	5	5	7	10	7	4	11
History and philosophy of science	0	0	1	2	2	1	2	3
Linguistics	4	7	10	8	9	8	10	9
Political science and public administration	86	84	91	90	99	119	133	137
Sociology	50	45	40	48	41	39	39	31
Other	74	70	82	93	95	114	119	105
Engineering	59	63	67	70	65	69	85	78
Aerospace	0	0	0	2	2	2	4	3
Agricultural	2	2	0	2	2	2	2	0
Biomedical	1	2	1	1	1	2	3	5
Chemical	8	8	5	11	8	8	6	13
Civil	17	12	13	10	14	18	23	16
Electrical	7	8	11	11	6	12	14	11
Engineering science/physics	1	1	1	2	2	3	4	5
Industrial/manufacturing	6	11	16	14	13	7	15	11
Mechanical	8	5	8	9	9	9	7	6
Metallurgical/materials	2	6	5	2	2	2	2	0
Mining	0	0	0	0	0	1	1	0
Nuclear	1	1	1	1	0	0	0	0
Petroleum	1	0	0	0	0	0	0	0
Other	5	7	6	5	6	3	4	8
Other race/ethnicity	7,793	7,840	8,126	8,908	9,122	9,922	11,232	12,598
Science	6,929	7,088	7,363	8,098	8,255	8,924	9,977	11,483
Agricultural sciences	160	135	113	185	220	213	218	238
Biological sciences	1,042	1,090	1,215	1,223	1,286	1,389	1,675	1,759
Anatomy	11	15	9	10	5	18	14	17
Biochemistry	85	59	61	42	69	105	128	95
Biology	368	368	397	337	342	363	443	516
Biometry/epidemiology	73	140	101	99	115	63	83	95
Biophysics	12	25	13	15	6	10	10	14
Botany	23	31	21	26	27	33	37	43
Cell/molecular biology	52	65	98	140	153	176	208	163
Ecology	28	25	32	49	45	54	84	85
Entomology/parasitology	13	10	9	10	10	11	10	12
Genetics	21	18	63	73	58	50	54	63
Microbiology, immunology, and virology	68	68	130	118	110	121	140	132

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Nutrition	73	68	78	100	128	114	136	150
Pathology	32	32	38	39	39	40	40	30
Pharmacology	27	26	27	25	34	43	51	46
Physiology	43	23	24	25	14	22	40	48
Zoology	17	30	21	25	22	21	26	17
Other	96	87	93	90	109	145	171	233
Computer sciences	645	649	667	824	839	964	894	852
Earth, atmospheric, and ocean sciences	198	247	210	188	194	239	321	336
Atmospheric	20	16	11	11	10	10	16	6
Earth	91	115	79	80	74	107	143	141
Ocean	21	43	28	32	36	33	45	55
Other	66	73	92	65	74	89	117	134
Mathematics and statistics	208	225	219	210	249	303	335	339
Mathematics/applied mathematics	183	186	187	169	195	242	293	284
Statistics	25	39	32	41	54	61	42	55
Physical sciences	312	291	284	309	356	339	410	411
Astronomy	7	15	6	13	13	16	19	16
Chemistry	236	183	170	184	194	198	267	279
Physics	64	77	75	72	117	94	97	90
Other	5	16	33	40	32	31	27	26
Psychology	2,380	2,402	2,582	2,682	2,402	2,366	2,623	3,593
Clinical	402	378	445	459	621	625	655	938
General	505	593	606	684	678	537	655	696
Nonclinical	1,473	1,431	1,531	1,539	1,103	1,204	1,313	1,959
Social sciences	1,984	2,049	2,073	2,477	2,709	3,111	3,501	3,955
Agricultural economics	17	21	13	14	24	27	21	29
Anthropology (cultural and social)	172	194	236	290	311	308	356	372
Economics	87	127	99	141	171	182	149	157
Geography	65	88	74	84	77	86	102	100
History and philosophy of science	11	4	6	8	10	31	28	35
Linguistics	103	74	72	109	91	103	151	125
Political science and public administration	768	750	727	886	1,018	1,357	1,643	1,997
Sociology	193	196	207	243	220	254	250	292
Other	568	595	639	702	787	763	801	848
Engineering	864	752	763	810	867	998	1,255	1,115
Aerospace	13	12	18	15	15	21	36	31
Agricultural	17	8	12	13	10	5	7	6
Biomedical	22	34	32	22	53	63	108	73
Chemical	51	54	63	67	46	56	64	65
Civil	146	163	152	129	156	209	227	232
Electrical	317	253	237	292	301	280	361	259
Engineering science/physics	4	6	12	17	23	21	5	15
Industrial/manufacturing	125	105	107	119	112	152	193	191
Mechanical	87	58	65	72	66	81	99	99
Metallurgical/materials	44	29	16	13	21	17	30	26
Mining	1	1	0	0	0	0	0	2
Nuclear	1	0	1	1	1	2	4	6
Petroleum	1	1	1	8	8	12	2	2
Other	35	28	47	42	55	79	119	108
Temporary residents	28,277	30,038	32,965	36,791	40,734	44,368	46,003	45,902
Science	22,088	23,431	25,459	28,100	30,904	33,206	33,862	33,960
Agricultural sciences	835	846	855	847	937	1,012	1,038	1,087
Biological sciences	5,123	5,450	5,441	5,843	6,380	7,153	7,907	8,458
Anatomy	61	58	66	73	74	84	101	89
Biochemistry	595	633	662	720	760	822	914	943
Biology	975	1,021	977	1,027	1,129	1,272	1,391	1,518
Biometry/epidemiology	256	335	376	433	512	612	698	698
Biophysics	45	45	43	56	75	85	108	138

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1997–2004

Field, citizenship, and race/ethnicity	1997	1998	1999	2000	2001	2002	2003	2004
Botany	266	279	257	269	273	303	293	305
Cell/molecular biology	413	426	474	563	613	696	792	909
Ecology	62	72	74	85	84	92	136	130
Entomology/parasitology	85	80	84	85	85	96	105	117
Genetics	179	197	172	181	209	218	274	308
Microbiology, immunology, and virology	453	464	482	469	544	631	634	716
Nutrition	696	706	686	731	764	756	750	730
Pathology	125	133	126	131	137	154	182	161
Pharmacology	269	282	279	319	350	391	441	450
Physiology	169	184	188	189	213	224	264	272
Zoology	75	78	68	82	88	98	89	88
Other	399	457	427	430	470	619	735	886
Computer sciences	3,683	4,225	5,133	6,674	7,659	7,819	6,765	5,919
Earth, atmospheric, and ocean sciences	719	763	857	896	981	1,012	1,042	1,074
Atmospheric	98	88	105	102	106	117	107	103
Earth	290	294	331	355	385	432	477	501
Ocean	164	182	184	202	206	185	196	218
Other	167	199	237	237	284	278	262	252
Mathematics and statistics	1,699	1,783	2,061	2,119	2,343	2,507	2,756	2,698
Mathematics/applied mathematics	1,270	1,332	1,495	1,474	1,519	1,586	1,629	1,611
Statistics	429	451	566	645	824	921	1,127	1,087
Physical sciences	3,011	2,920	3,053	3,283	3,477	3,888	4,255	4,508
Astronomy	39	49	53	70	74	73	92	97
Chemistry	2,185	2,123	2,140	2,279	2,402	2,742	3,020	3,209
Physics	763	718	829	911	967	1,039	1,117	1,176
Other	24	30	31	23	34	34	26	26
Psychology	1,258	1,388	1,449	1,511	1,744	1,765	1,957	1,920
Clinical	228	250	280	306	334	373	390	330
General	379	386	435	500	607	563	652	648
Nonclinical	651	752	734	705	803	829	915	942
Social sciences	5,760	6,056	6,610	6,927	7,383	8,050	8,142	8,296
Agricultural economics	274	290	322	376	412	416	433	377
Anthropology (cultural and social)	374	387	448	465	421	460	456	489
Economics	1,645	1,656	1,780	1,950	2,160	2,330	2,433	2,460
Geography	197	209	237	244	293	320	337	335
History and philosophy of science	21	23	18	30	25	27	22	25
Linguistics	629	656	600	614	632	654	627	657
Political science and public administration	1,359	1,424	1,641	1,799	1,903	2,237	2,298	2,370
Sociology	583	598	665	723	785	783	793	750
Other	678	813	899	726	752	823	743	833
Engineering	6,189	6,607	7,506	8,691	9,830	11,162	12,141	11,942
Aerospace	144	158	168	187	210	216	213	223
Agricultural	90	102	101	95	102	103	121	125
Biomedical	180	194	260	292	370	498	641	727
Chemical	644	668	713	821	844	909	1,006	967
Civil	1,049	1,056	1,202	1,368	1,546	1,696	1,846	1,878
Electrical	2,053	2,354	2,744	3,290	3,832	4,602	4,832	4,549
Engineering science/physics	69	111	104	147	154	178	230	211
Industrial/manufacturing	577	583	656	817	918	962	1,005	1,005
Mechanical	613	609	647	781	827	919	988	1,036
Metallurgical/materials	416	453	466	460	551	583	629	631
Mining	8	4	12	14	4	7	12	9
Nuclear	43	46	57	61	69	61	67	73
Petroleum	59	40	65	47	51	67	105	101
Other	244	229	311	311	352	361	446	407

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, 1997–2004.