

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
All female S&E graduate students	163,427	168,396	170,479	177,430	188,628	198,434	202,082	206,663
Science	144,439	148,509	149,733	155,173	163,661	170,847	174,810	179,785
Agricultural sciences	4,852	5,049	5,088	5,343	5,653	6,026	6,258	6,202
Biological sciences	28,953	29,621	29,807	31,049	33,411	35,883	37,278	38,503
Anatomy	342	345	367	352	451	466	467	466
Biochemistry	2,229	2,266	2,231	2,223	2,422	2,595	2,643	2,818
Biology	7,213	7,143	7,006	7,189	7,514	8,158	8,617	8,631
Biometry/epidemiology	2,153	2,323	2,241	2,427	2,552	2,771	2,867	3,009
Biophysics	209	213	231	262	306	339	434	408
Botany	1,011	982	986	974	1,019	996	974	985
Cell/molecular biology	2,141	2,360	2,494	2,521	2,791	3,006	3,095	3,290
Ecology	830	881	916	979	1,039	1,208	1,192	1,210
Entomology/parasitology	414	406	442	480	492	537	565	520
Genetics	983	1,016	973	1,046	1,112	1,216	1,283	1,309
Microbiology, immunology, and virology	2,371	2,450	2,432	2,495	2,808	2,933	3,053	3,082
Nutrition	3,413	3,431	3,379	3,436	3,512	3,658	3,721	3,791
Pathology	804	804	829	895	906	910	911	947
Pharmacology	1,325	1,343	1,516	1,658	1,773	1,818	1,693	1,713
Physiology	886	898	882	911	994	1,144	1,229	1,255
Zoology	694	670	642	667	638	645	640	636
Other	1,935	2,090	2,240	2,534	3,082	3,483	3,894	4,433
Computer sciences	10,802	12,545	14,080	15,302	16,025	14,816	13,277	12,061
Earth, atmospheric, and ocean sciences	5,568	5,725	5,753	5,892	6,247	6,538	6,932	6,888
Atmospheric	234	242	268	298	333	374	363	388
Earth	2,315	2,400	2,455	2,483	2,613	2,764	3,059	3,043
Ocean	1,162	1,222	1,267	1,255	1,309	1,392	1,509	1,481
Other	1,857	1,861	1,763	1,856	1,992	2,008	2,001	1,976
Mathematics and statistics	5,988	6,043	5,780	6,270	6,886	7,289	7,497	7,437
Mathematics/applied mathematics	4,895	4,862	4,508	4,818	5,239	5,406	5,613	5,560
Statistics	1,093	1,181	1,272	1,452	1,647	1,883	1,884	1,877
Physical sciences	8,753	8,915	9,115	9,336	10,066	10,778	11,300	11,726
Astronomy	230	225	267	265	302	345	355	394
Chemistry	6,564	6,617	6,756	6,855	7,325	7,839	8,232	8,423
Physics	1,780	1,876	1,910	2,042	2,201	2,366	2,501	2,669
Other	179	197	182	174	238	228	212	240
Psychology	37,462	37,271	36,872	37,318	37,728	38,816	40,226	43,419
Clinical	9,173	9,285	9,283	9,399	9,467	9,955	10,623	11,012
General	11,847	11,387	11,027	11,283	10,676	10,998	11,107	12,061
Nonclinical	16,442	16,599	16,562	16,636	17,585	17,863	18,496	20,346
Social sciences	42,061	43,340	43,238	44,663	47,645	50,701	52,042	53,549
Agricultural economics	680	715	789	835	844	900	854	873
Anthropology (cultural and social)	4,556	4,644	4,685	4,562	4,617	4,870	4,973	4,924
Economics	3,464	3,499	3,765	3,995	4,268	4,508	4,485	4,254
Geography	1,663	1,703	1,627	1,801	1,843	2,028	2,008	2,013
History and philosophy of science	193	212	219	244	301	312	414	440
Linguistics	1,953	1,833	1,744	1,793	1,891	2,005	1,927	2,055
Political science and public administration	14,961	15,573	15,927	16,501	18,619	19,842	20,978	22,086
Sociology	5,696	5,739	5,580	5,732	5,768	5,901	5,794	5,800
Other	8,895	9,422	8,902	9,200	9,494	10,335	10,609	11,104
Engineering	18,988	19,887	20,746	22,257	24,967	27,587	27,272	26,878
Aerospace	382	423	469	485	516	603	600	607
Agricultural	260	269	282	300	288	315	311	323
Biomedical	853	986	1,056	1,238	1,513	1,944	2,183	2,297
Chemical	1,727	1,733	1,875	1,829	1,995	2,100	2,106	2,079
Civil	4,102	4,157	4,277	4,503	4,905	5,398	5,441	5,395
Electrical	4,872	5,133	5,536	6,212	7,270	7,794	7,201	6,788
Engineering science/physics	331	319	342	363	430	465	465	419
Industrial/manufacturing	2,452	2,659	2,713	2,808	3,076	3,266	3,230	3,287
Mechanical	1,762	1,788	1,832	1,944	2,083	2,354	2,456	2,410

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Metallurgical/materials	1,130	1,084	1,041	1,173	1,251	1,331	1,321	1,348
Mining	55	55	46	36	37	42	42	39
Nuclear	134	144	156	157	148	182	196	211
Petroleum	55	82	87	91	107	129	134	121
Other	873	1,055	1,034	1,118	1,348	1,664	1,586	1,554
U.S. citizens and permanent residents	133,389	135,431	133,688	136,696	144,260	152,431	156,068	161,178
Science	121,008	123,050	121,633	124,269	130,455	136,985	140,810	145,875
Agricultural sciences	4,006	4,194	4,241	4,406	4,641	4,988	5,167	5,115
Biological sciences	23,503	24,180	23,964	24,669	26,258	27,976	28,756	29,621
Anatomy	284	279	294	278	367	365	382	375
Biochemistry	1,596	1,604	1,511	1,463	1,600	1,681	1,692	1,783
Biology	6,192	6,166	5,979	6,060	6,242	6,767	7,075	6,988
Biometry/epidemiology	1,818	1,947	1,808	1,915	1,940	2,073	2,169	2,308
Biophysics	164	170	175	187	221	231	296	272
Botany	732	725	717	701	716	703	666	656
Cell/molecular biology	1,715	1,886	1,931	1,908	2,095	2,214	2,180	2,355
Ecology	758	807	831	895	947	1,072	1,062	1,092
Entomology/parasitology	334	322	357	395	396	432	448	412
Genetics	786	844	792	837	894	942	975	982
Microbiology, immunology, and virology	1,907	1,968	1,963	1,951	2,177	2,299	2,337	2,384
Nutrition	2,707	2,745	2,648	2,672	2,756	2,908	2,963	3,043
Pathology	671	678	698	758	752	728	750	775
Pharmacology	1,043	1,064	1,197	1,308	1,382	1,377	1,247	1,236
Physiology	702	710	693	698	770	880	966	1,008
Zoology	616	602	560	579	540	556	552	538
Other	1,478	1,663	1,810	2,064	2,463	2,748	2,996	3,414
Computer sciences	6,577	7,412	7,406	7,643	8,206	8,051	7,374	6,814
Earth, atmospheric, and ocean sciences	4,805	4,868	4,857	4,911	5,235	5,496	5,857	5,797
Atmospheric	146	137	166	192	216	267	260	274
Earth	2,021	2,069	2,100	2,098	2,181	2,287	2,557	2,529
Ocean	980	1,038	1,065	1,049	1,124	1,196	1,291	1,274
Other	1,658	1,624	1,526	1,572	1,714	1,746	1,749	1,720
Mathematics and statistics	4,205	3,982	3,661	3,927	4,379	4,533	4,808	4,759
Mathematics/applied mathematics	3,563	3,367	3,034	3,299	3,653	3,777	3,994	3,926
Statistics	642	615	627	628	726	756	814	833
Physical sciences	5,833	5,862	5,832	5,859	6,178	6,523	6,782	7,147
Astronomy	181	172	197	191	229	253	258	302
Chemistry	4,441	4,477	4,477	4,453	4,583	4,819	5,014	5,198
Physics	1,062	1,047	999	1,075	1,162	1,249	1,324	1,430
Other	149	166	159	140	204	202	186	217
Psychology	36,074	35,822	35,361	35,574	35,963	36,859	38,302	41,294
Clinical	8,923	9,005	8,977	9,065	9,094	9,565	10,292	10,623
General	11,461	10,952	10,527	10,676	10,113	10,346	10,459	11,328
Nonclinical	15,690	15,865	15,857	15,833	16,756	16,948	17,551	19,343
Social sciences	36,005	36,730	36,311	37,280	39,595	42,559	43,764	45,328
Agricultural economics	390	393	413	423	428	467	477	488
Anthropology (cultural and social)	4,169	4,196	4,220	4,141	4,157	4,414	4,483	4,449
Economics	1,808	1,719	1,815	1,835	1,938	2,075	2,018	1,844
Geography	1,454	1,466	1,383	1,508	1,523	1,691	1,673	1,684
History and philosophy of science	170	194	189	219	274	290	389	414
Linguistics	1,297	1,233	1,130	1,161	1,237	1,378	1,269	1,437
Political science and public administration	13,537	13,932	14,128	14,598	16,382	17,544	18,636	19,781
Sociology	5,098	5,074	4,857	4,947	4,985	5,108	5,044	5,032
Other	8,082	8,523	8,176	8,448	8,671	9,592	9,775	10,199
Engineering	12,381	12,381	12,055	12,427	13,805	15,446	15,258	15,303
Aerospace	224	255	282	275	300	390	377	400
Agricultural	154	164	185	196	183	191	183	177
Biomedical	663	730	766	870	1,017	1,306	1,435	1,559

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Chemical	1,059	1,020	1,054	985	1,086	1,094	1,128	1,114
Civil	3,046	2,955	2,909	2,957	3,209	3,552	3,562	3,598
Electrical	2,518	2,389	2,246	2,380	2,668	2,962	2,588	2,557
Engineering science/physics	220	215	195	209	252	235	254	235
Industrial/manufacturing	1,869	2,003	1,896	1,890	2,114	2,261	2,238	2,230
Mechanical	1,153	1,141	1,051	1,117	1,164	1,366	1,437	1,408
Metallurgical/materials	677	618	581	622	668	702	690	688
Mining	51	43	32	32	30	30	33	30
Nuclear	88	87	95	88	87	115	123	143
Petroleum	15	17	40	40	40	24	33	28
Other	644	744	723	766	987	1,218	1,177	1,136
White	94,933	94,940	91,787	92,768	96,538	100,572	102,024	102,827
Science	86,767	87,076	84,161	85,167	88,479	91,680	93,166	94,146
Agricultural sciences	3,334	3,527	3,526	3,600	3,816	4,061	4,191	4,146
Biological sciences	17,454	17,808	17,677	17,846	18,968	19,749	20,027	20,420
Anatomy	221	209	229	222	259	265	252	264
Biochemistry	1,144	1,158	1,123	1,017	1,140	1,122	1,173	1,183
Biology	4,486	4,459	4,342	4,389	4,554	4,816	4,975	4,893
Biometry/epidemiology	1,199	1,326	1,179	1,256	1,301	1,370	1,406	1,439
Biophysics	111	117	121	135	161	164	210	182
Botany	605	613	612	582	567	562	506	510
Cell/molecular biology	1,272	1,364	1,353	1,296	1,389	1,433	1,421	1,485
Ecology	673	709	709	763	807	883	881	905
Entomology/parasitology	291	283	310	341	345	371	387	339
Genetics	637	627	593	623	678	695	725	742
Microbiology, immunology, and virology	1,382	1,387	1,390	1,353	1,501	1,550	1,585	1,607
Nutrition	2,100	2,124	2,074	2,009	2,086	2,138	2,112	2,153
Pathology	501	490	526	555	547	513	534	544
Pharmacology	734	737	864	901	940	941	820	818
Physiology	492	484	478	465	506	576	595	632
Zoology	533	539	497	521	486	493	485	472
Other	1,073	1,182	1,277	1,418	1,701	1,857	1,960	2,252
Computer sciences	3,198	3,521	3,629	3,778	3,962	4,039	3,854	3,627
Earth, atmospheric, and ocean sciences	4,065	4,134	4,200	4,211	4,410	4,541	4,822	4,794
Atmospheric	108	111	126	156	175	211	204	216
Earth	1,753	1,810	1,870	1,851	1,878	1,934	2,172	2,170
Ocean	829	885	921	897	954	1,002	1,072	1,063
Other	1,375	1,328	1,283	1,307	1,403	1,394	1,374	1,345
Mathematics and statistics	3,040	2,861	2,601	2,799	3,046	3,061	3,294	3,177
Mathematics/applied mathematics	2,586	2,431	2,177	2,356	2,556	2,545	2,774	2,674
Statistics	454	430	424	443	490	516	520	503
Physical sciences	4,170	4,165	4,167	4,164	4,497	4,592	4,718	5,017
Astronomy	145	146	163	154	182	199	206	237
Chemistry	3,176	3,182	3,173	3,171	3,315	3,336	3,403	3,553
Physics	759	739	741	755	863	921	981	1,058
Other	90	98	90	84	137	136	128	169
Psychology	26,707	26,072	24,442	24,553	24,655	24,900	25,083	25,714
Clinical	6,617	6,577	6,320	6,156	6,084	6,378	6,562	6,547
General	8,514	8,068	7,394	7,474	7,167	7,130	7,173	7,623
Nonclinical	11,576	11,427	10,728	10,923	11,404	11,392	11,348	11,544
Social sciences	24,799	24,988	23,919	24,216	25,125	26,737	27,177	27,251
Agricultural economics	295	309	331	331	325	369	353	350
Anthropology (cultural and social)	3,359	3,310	3,262	3,148	3,191	3,330	3,332	3,231
Economics	1,227	1,150	1,218	1,200	1,231	1,330	1,281	1,182
Geography	1,239	1,242	1,161	1,263	1,262	1,363	1,334	1,339
History and philosophy of science	149	163	158	182	197	218	295	308
Linguistics	934	901	801	830	869	929	892	987
Political science and public administration	8,645	8,763	8,550	8,690	9,479	10,012	10,464	10,784

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Sociology	3,509	3,506	3,299	3,395	3,334	3,368	3,342	3,239
Other	5,442	5,644	5,139	5,177	5,237	5,818	5,884	5,831
Engineering	8,166	7,864	7,626	7,601	8,059	8,892	8,858	8,681
Aerospace	175	198	218	210	217	279	256	272
Agricultural	114	125	128	127	129	142	143	136
Biomedical	472	508	532	562	635	792	868	911
Chemical	704	643	663	610	653	635	676	664
Civil	2,206	2,098	2,118	2,111	2,228	2,499	2,498	2,467
Electrical	1,234	1,099	981	1,011	1,028	1,036	968	907
Engineering science/physics	150	137	134	138	170	179	173	152
Industrial/manufacturing	1,272	1,315	1,211	1,162	1,249	1,323	1,261	1,212
Mechanical	791	749	687	728	743	904	924	862
Metallurgical/materials	506	443	426	449	468	482	489	482
Mining	37	33	29	29	25	27	25	22
Nuclear	71	66	69	64	63	87	84	96
Petroleum	9	13	15	10	11	12	14	14
Other	425	437	415	390	440	495	479	484
Asian/Pacific Islander	10,830	11,524	10,654	11,395	12,667	13,859	13,802	13,956
Science	8,996	9,515	8,870	9,324	10,011	10,743	10,832	11,037
Agricultural sciences	155	167	138	147	150	165	193	161
Biological sciences	2,350	2,377	2,253	2,539	2,646	2,894	3,040	3,146
Anatomy	25	29	23	29	51	45	56	41
Biochemistry	244	235	192	211	191	219	212	239
Biology	454	438	384	410	401	477	528	519
Biometry/epidemiology	246	268	290	305	328	323	343	377
Biophysics	18	29	29	35	38	43	50	54
Botany	48	48	51	55	69	66	58	53
Cell/molecular biology	244	274	262	272	305	320	332	381
Ecology	29	27	26	29	30	38	29	34
Entomology/parasitology	17	10	15	19	12	15	17	15
Genetics	66	82	56	73	81	93	90	88
Microbiology, immunology, and virology	234	216	220	244	253	276	277	272
Nutrition	212	199	168	201	196	250	260	283
Pathology	82	86	72	94	98	105	110	99
Pharmacology	149	142	151	197	200	183	169	162
Physiology	97	106	102	133	149	153	192	190
Zoology	22	18	14	15	13	17	25	21
Other	163	170	198	217	231	271	292	318
Computer sciences	1,920	2,318	2,009	1,987	2,143	1,973	1,660	1,430
Earth, atmospheric, and ocean sciences	186	192	172	170	197	200	229	218
Atmospheric	17	8	16	11	15	20	24	17
Earth	57	66	60	55	70	63	79	61
Ocean	26	36	35	30	37	31	42	38
Other	86	82	61	74	75	86	84	102
Mathematics and statistics	470	437	417	433	531	625	600	632
Mathematics/applied mathematics	369	328	307	346	412	493	439	441
Statistics	101	109	110	87	119	132	161	191
Physical sciences	610	636	573	542	531	649	683	704
Astronomy	15	13	14	15	18	17	15	17
Chemistry	485	495	473	432	411	510	536	549
Physics	96	117	76	88	93	109	121	130
Other	14	11	10	7	9	13	11	8
Psychology	1,468	1,502	1,531	1,628	1,633	1,800	1,885	2,004
Clinical	426	453	453	468	451	506	562	559
General	514	503	520	552	489	562	576	628
Nonclinical	528	546	558	608	693	732	747	817

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Social sciences	1,837	1,886	1,777	1,878	2,180	2,437	2,542	2,742
Agricultural economics	25	18	13	15	20	19	29	27
Anthropology (cultural and social)	167	183	192	186	174	189	205	216
Economics	225	240	212	202	258	293	282	257
Geography	45	54	46	57	59	78	78	77
History and philosophy of science	9	9	9	10	16	17	20	20
Linguistics	133	114	78	106	135	160	128	171
Political science and public administration	632	634	680	704	855	935	1,016	1,170
Sociology	262	254	235	240	255	307	269	274
Other	339	380	312	358	408	439	515	530
Engineering	1,834	2,009	1,784	2,071	2,656	3,116	2,970	2,919
Aerospace	21	21	26	27	31	36	51	62
Agricultural	13	15	19	22	17	16	16	14
Biomedical	86	105	125	163	207	258	311	347
Chemical	148	176	165	160	204	205	183	211
Civil	313	316	238	279	298	366	375	400
Electrical	709	704	662	728	972	1,164	980	938
Engineering science/physics	44	43	19	25	43	36	43	41
Industrial/manufacturing	156	198	164	194	267	285	278	299
Mechanical	138	179	130	168	169	174	197	212
Metallurgical/materials	75	85	73	78	102	99	96	96
Mining	13	10	1	1	2	2	1	2
Nuclear	8	6	5	8	7	9	14	16
Petroleum	4	1	1	4	6	3	7	2
Other	106	150	156	214	331	463	418	279
Black	11,331	11,708	12,536	13,076	13,763	14,718	14,885	15,693
Science	10,452	10,732	11,509	12,095	12,701	13,677	13,756	14,593
Agricultural sciences	176	151	153	201	213	266	241	245
Biological sciences	1,377	1,457	1,481	1,559	1,667	1,899	2,029	2,058
Anatomy	17	19	21	14	24	22	34	29
Biochemistry	76	76	81	76	73	96	97	101
Biology	481	482	502	507	459	543	536	521
Biometry/epidemiology	118	130	118	127	139	166	193	209
Biophysics	8	8	7	7	8	8	10	10
Botany	18	14	9	13	17	14	12	13
Cell/molecular biology	67	65	76	80	92	113	123	115
Ecology	8	11	11	13	15	27	19	20
Entomology/parasitology	6	8	8	6	8	10	9	10
Genetics	34	35	32	33	40	55	53	55
Microbiology, immunology, and virology	111	124	123	121	153	173	161	171
Nutrition	169	176	167	185	200	208	245	218
Pathology	30	35	31	32	33	35	43	53
Pharmacology	85	96	91	110	119	115	126	119
Physiology	58	51	60	56	58	67	69	65
Zoology	10	11	8	5	9	6	7	6
Other	81	116	136	174	220	241	292	343
Computer sciences	591	670	668	766	835	823	707	712
Earth, atmospheric, and ocean sciences	99	101	100	102	131	140	141	152
Atmospheric	3	4	9	7	10	12	14	13
Earth	24	31	24	25	27	35	43	43
Ocean	15	14	14	15	23	26	22	27
Other	57	52	53	55	71	67	62	69
Mathematics and statistics	274	270	273	270	286	282	331	350
Mathematics/applied mathematics	254	248	239	241	250	243	280	300
Statistics	20	22	34	29	36	39	51	50
Physical sciences	432	402	425	413	407	431	454	482
Astronomy	3	3	4	4	4	5	6	5
Chemistry	332	318	342	341	332	349	380	396

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Physics	83	70	67	53	52	57	57	67
Other	14	11	12	15	19	20	11	14
Psychology	2,926	2,844	3,343	3,479	3,545	3,758	3,757	4,298
Clinical	560	545	593	592	633	706	724	716
General	1,137	1,052	1,137	1,166	1,188	1,209	1,184	1,334
Nonclinical	1,229	1,247	1,613	1,721	1,724	1,843	1,849	2,248
Social sciences	4,577	4,837	5,066	5,305	5,617	6,078	6,096	6,296
Agricultural economics	25	35	38	35	41	38	28	38
Anthropology (cultural and social)	184	209	196	216	189	215	216	225
Economics	126	133	155	151	137	154	158	141
Geography	43	44	39	53	57	80	85	83
History and philosophy of science	4	7	6	9	11	9	10	20
Linguistics	32	36	31	32	27	35	31	43
Political science and public administration	2,339	2,530	2,628	2,796	3,042	3,239	3,260	3,323
Sociology	727	688	659	685	709	737	735	775
Other	1,097	1,155	1,314	1,328	1,404	1,571	1,573	1,648
Engineering	879	976	1,027	981	1,062	1,041	1,129	1,100
Aerospace	7	8	8	4	6	9	14	15
Agricultural	12	7	11	18	16	16	14	12
Biomedical	42	49	58	60	74	88	113	103
Chemical	80	79	79	89	81	78	74	60
Civil	133	173	178	158	182	155	162	161
Electrical	194	200	201	192	201	183	194	189
Engineering science/physics	7	7	13	10	7	6	12	10
Industrial/manufacturing	208	232	247	242	264	266	273	282
Mechanical	104	88	104	81	79	86	91	90
Metallurgical/materials	31	43	43	46	51	51	48	49
Mining	0	0	1	0	0	0	0	0
Nuclear	4	8	11	6	6	8	12	13
Petroleum	0	0	0	1	0	1	4	4
Other	57	82	73	74	95	94	118	112
Hispanic	7,645	8,324	8,935	9,460	10,446	11,061	11,675	12,532
Science	6,958	7,622	8,197	8,618	9,485	10,004	10,576	11,435
Agricultural sciences	180	213	217	215	209	239	257	263
Biological sciences	1,129	1,217	1,220	1,329	1,465	1,612	1,746	1,827
Anatomy	4	11	10	8	14	16	21	18
Biochemistry	69	70	70	84	88	110	108	126
Biology	376	358	378	387	437	454	488	505
Biometry/epidemiology	110	117	113	103	99	118	119	114
Biophysics	1	2	2	3	3	6	9	10
Botany	28	25	16	19	24	18	41	28
Cell/molecular biology	60	77	89	97	123	129	129	159
Ecology	20	26	33	40	37	34	39	40
Entomology/parasitology	8	11	13	18	19	25	20	25
Genetics	28	34	33	44	39	37	34	33
Microbiology, immunology, and virology	103	107	107	120	139	155	173	189
Nutrition	145	155	127	134	147	164	191	166
Pathology	23	28	29	36	34	33	28	31
Pharmacology	45	52	62	63	73	79	75	78
Physiology	27	40	26	26	28	36	53	59
Zoology	18	10	12	13	8	10	14	16
Other	64	94	100	134	153	188	204	230
Computer sciences	195	212	246	244	271	286	285	273
Earth, atmospheric, and ocean sciences	168	200	169	201	222	261	302	281
Atmospheric	2	3	4	7	6	8	12	12
Earth	54	70	56	78	81	100	111	105
Ocean	60	70	59	65	71	86	91	82
Other	52	57	50	51	64	67	88	82

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Mathematics and statistics	178	177	150	160	207	223	230	215
Mathematics/applied mathematics	153	158	136	147	187	196	203	196
Statistics	25	19	14	13	20	27	27	19
Physical sciences	307	346	337	357	376	416	489	489
Astronomy	2	3	3	5	8	11	13	15
Chemistry	247	289	287	292	307	339	396	393
Physics	43	41	40	58	53	60	71	69
Other	15	13	7	2	8	6	9	12
Psychology	2,347	2,610	3,106	3,261	3,527	3,549	3,668	3,941
Clinical	858	922	1,080	1,159	1,228	1,245	1,370	1,382
General	635	653	705	726	659	719	751	876
Nonclinical	854	1,035	1,321	1,376	1,640	1,585	1,547	1,683
Social sciences	2,454	2,647	2,752	2,851	3,208	3,418	3,599	4,146
Agricultural economics	21	17	16	18	13	18	23	26
Anthropology (cultural and social)	195	198	220	224	243	260	293	299
Economics	98	88	78	102	118	134	123	111
Geography	34	47	46	48	52	64	65	67
History and philosophy of science	4	8	6	6	18	16	26	31
Linguistics	117	100	103	93	95	93	85	108
Political science and public administration	1,087	1,187	1,294	1,291	1,530	1,582	1,761	1,991
Sociology	359	379	373	366	394	407	375	390
Other	539	623	616	703	745	844	848	1,123
Engineering	687	702	738	842	961	1,057	1,099	1,097
Aerospace	9	10	13	17	23	26	22	16
Agricultural	5	5	12	17	14	8	4	10
Biomedical	27	35	28	31	36	57	64	75
Chemical	65	54	69	72	84	106	117	110
Civil	219	203	236	239	274	282	282	293
Electrical	120	138	99	142	175	204	184	208
Engineering science/physics	12	15	10	11	8	5	6	7
Industrial/manufacturing	117	135	141	167	175	179	211	187
Mechanical	57	52	49	65	83	96	114	108
Metallurgical/materials	30	26	24	26	28	38	31	32
Mining	0	0	1	2	2	0	5	4
Nuclear	4	5	8	9	9	7	7	10
Petroleum	1	2	16	17	11	6	6	6
Other	21	22	32	27	39	43	46	31
American Indian/Alaska Native	810	809	868	875	924	989	1,010	1,165
Science	747	742	798	810	855	904	932	990
Agricultural sciences	26	23	22	23	40	39	47	45
Biological sciences	103	106	110	110	123	147	157	164
Anatomy	2	2	1	0	1	3	2	1
Biochemistry	4	4	3	6	3	6	7	5
Biology	27	32	36	25	28	34	32	39
Biometry/epidemiology	5	5	9	9	10	13	13	10
Biophysics	1	1	1	1	1	0	3	1
Botany	2	4	3	5	6	6	6	4
Cell/molecular biology	7	8	11	10	10	11	12	15
Ecology	3	2	3	5	4	6	9	8
Entomology/parasitology	2	1	1	1	1	1	3	5
Genetics	3	3	5	6	6	8	10	6
Microbiology, immunology, and virology	9	4	5	3	10	5	9	9
Nutrition	13	13	12	15	13	12	7	13
Pathology	3	1	1	2	0	2	5	7
Pharmacology	4	10	4	3	7	8	11	9
Physiology	5	5	2	4	7	8	9	9
Zoology	3	3	4	3	3	4	4	4
Other	10	8	9	12	13	20	15	19

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Computer sciences	24	24	30	29	31	36	30	33
Earth, atmospheric, and ocean sciences	40	31	28	33	36	33	27	31
Atmospheric	0	0	0	1	0	0	0	0
Earth	18	13	10	15	18	12	11	13
Ocean	7	5	4	6	6	6	9	9
Other	15	13	14	11	12	15	7	9
Mathematics and statistics	18	18	10	16	6	7	13	15
Mathematics/applied mathematics	15	15	6	14	6	7	13	13
Statistics	3	3	4	2	0	0	0	2
Physical sciences	23	29	21	27	28	25	28	34
Astronomy	1	1	0	0	1	2	2	4
Chemistry	18	23	18	23	20	18	20	21
Physics	4	5	3	4	7	5	5	7
Other	0	0	0	0	0	0	1	2
Psychology	224	212	257	251	237	229	235	243
Clinical	84	63	72	69	73	75	61	57
General	68	70	87	80	73	71	79	77
Nonclinical	72	79	98	102	91	83	95	109
Social sciences	289	299	320	321	354	388	395	425
Agricultural economics	3	1	1	0	2	2	15	15
Anthropology (cultural and social)	70	60	60	56	52	64	66	78
Economics	5	9	11	9	12	15	17	9
Geography	5	5	7	10	7	4	11	14
History and philosophy of science	0	1	2	2	1	2	3	4
Linguistics	7	10	8	9	8	10	9	6
Political science and public administration	84	91	90	99	119	133	138	147
Sociology	45	40	48	41	39	39	31	35
Other	70	82	93	95	114	119	105	117
Engineering	63	67	70	65	69	85	78	175
Aerospace	0	0	2	2	2	4	3	2
Agricultural	2	0	2	2	2	2	0	1
Biomedical	2	1	1	1	2	3	5	6
Chemical	8	5	11	8	8	6	13	7
Civil	12	13	10	14	18	23	16	14
Electrical	8	11	11	6	12	14	11	7
Engineering science/physics	1	1	2	2	3	4	5	4
Industrial/manufacturing	11	16	14	13	7	15	11	16
Mechanical	5	8	9	9	9	7	6	7
Metallurgical/materials	6	5	2	2	2	2	0	0
Mining	0	0	0	0	1	1	0	0
Nuclear	1	1	1	0	0	0	0	0
Petroleum	0	0	0	0	0	0	0	0
Other	7	6	5	6	3	4	8	111
Other race/ethnicity	7,840	8,126	8,908	9,122	9,922	11,232	12,672	15,005
Science	7,088	7,363	8,098	8,255	8,924	9,977	11,548	13,674
Agricultural sciences	135	113	185	220	213	218	238	255
Biological sciences	1,090	1,215	1,223	1,286	1,389	1,675	1,757	2,006
Anatomy	15	9	10	5	18	14	17	22
Biochemistry	59	61	42	69	105	128	95	129
Biology	368	397	337	342	363	443	516	511
Biometry/epidemiology	140	101	99	115	63	83	95	159
Biophysics	25	13	15	6	10	10	14	15
Botany	31	21	26	27	33	37	43	48
Cell/molecular biology	65	98	140	153	176	208	163	200
Ecology	25	32	49	45	54	84	85	85
Entomology/parasitology	10	9	10	10	11	10	12	18
Genetics	18	63	73	58	50	54	63	58
Microbiology, immunology, and virology	68	130	118	110	121	140	132	136

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Nutrition	68	78	100	128	114	136	148	210
Pathology	32	38	39	39	40	40	30	41
Pharmacology	26	27	25	34	43	51	46	50
Physiology	23	24	25	14	22	40	48	53
Zoology	30	21	25	22	21	26	17	19
Other	87	93	90	109	145	171	233	252
Computer sciences	649	667	824	839	964	894	838	739
Earth, atmospheric, and ocean sciences	247	210	188	194	239	321	336	321
Atmospheric	16	11	11	10	10	16	6	16
Earth	115	79	80	74	107	143	141	137
Ocean	43	28	32	36	33	45	55	55
Other	73	92	65	74	89	117	134	113
Mathematics and statistics	225	219	210	249	303	335	340	370
Mathematics/applied mathematics	186	187	169	195	242	293	285	302
Statistics	39	32	41	54	61	42	55	68
Physical sciences	291	284	309	356	339	410	410	421
Astronomy	15	6	13	13	16	19	16	24
Chemistry	183	170	184	194	198	267	279	286
Physics	77	75	72	117	94	97	89	99
Other	16	33	40	32	31	27	26	12
Psychology	2,402	2,582	2,682	2,402	2,366	2,623	3,674	5,094
Clinical	378	445	459	621	625	655	1,013	1,362
General	593	606	684	678	537	655	696	790
Nonclinical	1,431	1,531	1,539	1,103	1,204	1,313	1,965	2,942
Social sciences	2,049	2,073	2,477	2,709	3,111	3,501	3,955	4,468
Agricultural economics	21	13	14	24	27	21	29	32
Anthropology (cultural and social)	194	236	290	311	308	356	371	400
Economics	127	99	141	171	182	149	157	144
Geography	88	74	84	77	86	102	100	104
History and philosophy of science	4	6	8	10	31	28	35	31
Linguistics	74	72	109	91	103	151	124	122
Political science and public administration	750	727	886	1,018	1,357	1,643	1,997	2,366
Sociology	196	207	243	220	254	250	292	319
Other	595	639	702	787	763	801	850	950
Engineering	752	763	810	867	998	1,255	1,124	1,331
Aerospace	12	18	15	15	21	36	31	33
Agricultural	8	12	13	10	5	7	6	4
Biomedical	34	32	22	53	63	108	74	117
Chemical	54	63	67	46	56	64	65	62
Civil	163	152	129	156	209	227	229	263
Electrical	253	237	292	301	280	361	251	308
Engineering science/physics	6	12	17	23	21	5	15	21
Industrial/manufacturing	105	107	119	112	152	193	204	234
Mechanical	58	65	72	66	81	99	105	129
Metallurgical/materials	29	16	13	21	17	30	26	29
Mining	1	0	0	0	0	0	2	2
Nuclear	0	1	1	1	2	4	6	8
Petroleum	1	1	8	8	12	2	2	2
Other	28	47	42	55	79	119	108	119
Temporary residents	30,038	32,965	36,791	40,734	44,368	46,003	46,014	45,485
Science	23,431	25,459	28,100	30,904	33,206	33,862	34,000	33,910
Agricultural sciences	846	855	847	937	1,012	1,038	1,091	1,087
Biological sciences	5,450	5,441	5,843	6,380	7,153	7,907	8,522	8,882
Anatomy	58	66	73	74	84	101	85	91
Biochemistry	633	662	720	760	822	914	951	1,035
Biology	1,021	977	1,027	1,129	1,272	1,391	1,542	1,643
Biometry/epidemiology	335	376	433	512	612	698	698	701
Biophysics	45	43	56	75	85	108	138	136

TABLE D-2. Female S&E graduate students, by field, citizenship, and race/ethnicity: 1998–2005

Field, citizenship, and race/ethnicity	1998	1999	2000	2001	2002	2003	2004	2005
Botany	279	257	269	273	303	293	308	329
Cell/molecular biology	426	474	563	613	696	792	915	935
Ecology	72	74	85	84	92	136	130	118
Entomology/parasitology	80	84	85	85	96	105	117	108
Genetics	197	172	181	209	218	274	308	327
Microbiology, immunology, and virology	464	482	469	544	631	634	716	698
Nutrition	706	686	731	764	756	750	758	748
Pathology	133	126	131	137	154	182	161	172
Pharmacology	282	279	319	350	391	441	446	477
Physiology	184	188	189	213	224	264	263	247
Zoology	78	68	82	88	98	89	88	98
Other	457	427	430	470	619	735	898	1,019
Computer sciences	4,225	5,133	6,674	7,659	7,819	6,765	5,903	5,247
Earth, atmospheric, and ocean sciences	763	857	896	981	1,012	1,042	1,075	1,091
Atmospheric	88	105	102	106	117	107	103	114
Earth	294	331	355	385	432	477	502	514
Ocean	182	184	202	206	185	196	218	207
Other	199	237	237	284	278	262	252	256
Mathematics and statistics	1,783	2,061	2,119	2,343	2,507	2,756	2,689	2,678
Mathematics/applied mathematics	1,332	1,495	1,474	1,519	1,586	1,629	1,619	1,634
Statistics	451	566	645	824	921	1,127	1,070	1,044
Physical sciences	2,920	3,053	3,283	3,477	3,888	4,255	4,518	4,579
Astronomy	49	53	70	74	73	92	97	92
Chemistry	2,123	2,140	2,279	2,402	2,742	3,020	3,218	3,225
Physics	718	829	911	967	1,039	1,117	1,177	1,239
Other	30	31	23	34	34	26	26	23
Psychology	1,388	1,449	1,511	1,744	1,765	1,957	1,924	2,125
Clinical	250	280	306	334	373	390	331	389
General	386	435	500	607	563	652	648	733
Nonclinical	752	734	705	803	829	915	945	1,003
Social sciences	6,056	6,610	6,927	7,383	8,050	8,142	8,278	8,221
Agricultural economics	290	322	376	412	416	433	377	385
Anthropology (cultural and social)	387	448	465	421	460	456	490	475
Economics	1,656	1,780	1,950	2,160	2,330	2,433	2,467	2,410
Geography	209	237	244	293	320	337	335	329
History and philosophy of science	23	18	30	25	27	22	25	26
Linguistics	656	600	614	632	654	627	658	618
Political science and public administration	1,424	1,641	1,799	1,903	2,237	2,298	2,342	2,305
Sociology	598	665	723	785	783	793	750	768
Other	813	899	726	752	823	743	834	905
Engineering	6,607	7,506	8,691	9,830	11,162	12,141	12,014	11,575
Aerospace	158	168	187	210	216	213	223	207
Agricultural	106	105	97	104	105	124	128	146
Biomedical	190	256	290	368	496	638	748	738
Chemical	668	713	821	844	909	1,006	978	965
Civil	1,056	1,202	1,368	1,546	1,696	1,846	1,879	1,797
Electrical	2,354	2,744	3,290	3,832	4,602	4,832	4,613	4,231
Engineering science/physics	111	104	147	154	178	230	211	184
Industrial/manufacturing	583	656	817	918	962	1,005	992	1,057
Mechanical	609	647	781	827	919	988	1,019	1,002
Metallurgical/materials	453	466	460	551	583	629	631	660
Mining	4	12	14	4	7	12	9	9
Nuclear	46	57	61	69	61	67	73	68
Petroleum	40	65	47	51	67	105	101	93
Other	229	311	311	352	361	446	409	418

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, 1998–2005.