

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 1 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
S&E	272,021	262,248	253,499	245,608	241,406	242,832	243,882	251,848
Sciences	177,047	173,060	168,529	163,180	160,356	161,028	160,010	164,569
Agricultural sciences	7,927	7,963	7,525	7,291	7,125	7,078	6,753	6,709
Biological sciences	29,896	29,829	29,289	28,427	27,915	27,442	26,576	26,730
Anatomy	525	517	552	543	509	470	488	448
Biochemistry	3,238	3,148	2,987	2,926	2,919	2,835	2,739	2,694
Biology	7,460	7,377	7,482	7,359	7,064	6,846	6,401	6,185
Biometry/epidemiology	1,124	1,139	1,227	1,119	1,352	1,287	1,279	1,271
Biophysics	576	604	589	532	528	497	516	628
Botany	1,584	1,465	1,394	1,283	1,210	1,168	1,077	1,098
Cell/molecular biology	2,067	2,146	2,128	2,152	2,154	2,192	2,245	2,322
Ecology	821	906	847	838	832	817	838	888
Entomology/parasitology	846	827	810	751	754	739	662	690
Genetics	787	818	828	801	735	760	737	792
Microbiology, immunology, and virology	2,604	2,569	2,480	2,409	2,402	2,365	2,381	2,303
Nutrition	1,273	1,296	1,238	1,144	1,073	1,077	1,034	993
Pathology	925	890	847	842	776	776	701	748
Pharmacology	1,487	1,399	1,372	1,368	1,405	1,414	1,444	1,446
Physiology	1,392	1,482	1,396	1,364	1,265	1,185	1,130	1,056
Zoology	1,184	1,175	1,065	947	910	872	821	763
Other	2,003	2,071	2,047	2,049	2,027	2,142	2,083	2,405
Computer sciences	26,071	25,325	25,829	26,110	27,225	29,990	33,431	36,902
Earth, atmospheric, and ocean sciences	10,638	10,282	9,736	9,132	8,690	8,358	8,189	7,949
Atmospheric	867	835	852	829	731	671	695	626
Earth	5,490	5,299	4,984	4,663	4,372	4,237	4,142	4,061
Ocean	1,755	1,616	1,545	1,424	1,400	1,402	1,401	1,330
Other	2,526	2,532	2,355	2,216	2,187	2,048	1,951	1,932
Mathematics/statistics	13,042	12,246	11,789	10,851	10,497	10,214	9,865	10,386
Mathematics/applied mathematics	11,055	10,317	9,962	9,244	8,932	8,659	8,310	8,766
Statistics	1,987	1,929	1,827	1,607	1,565	1,555	1,555	1,620
Physical sciences	25,299	24,314	23,288	22,257	21,822	21,776	21,335	21,656
Astronomy	750	689	647	570	590	607	621	651
Chemistry	12,958	12,742	12,495	12,052	11,918	11,799	11,415	11,452
Physics	11,254	10,590	9,919	9,403	9,029	8,993	8,930	9,219
Other	337	293	227	232	285	377	369	334
Psychology	16,416	15,877	15,375	15,507	15,095	14,494	13,674	13,215
Clinical	3,686	3,587	3,700	3,786	3,560	3,513	3,205	3,084
General	5,987	5,641	5,186	5,372	5,251	4,851	4,638	4,584
Nonclinical	6,743	6,649	6,489	6,349	6,284	6,130	5,831	5,547
Social sciences	47,758	47,224	45,698	43,605	41,987	41,676	40,187	41,022
Agricultural economics	1,541	1,555	1,407	1,355	1,315	1,299	1,290	1,326
Anthropology (cultural and social)	3,072	3,140	3,087	3,059	3,021	2,989	2,945	2,929
Economics	9,120	8,797	8,297	7,585	7,237	7,063	7,005	7,358
Geography	2,904	2,786	2,770	2,662	2,663	2,547	2,413	2,490
History and philosophy of science	247	262	257	281	315	345	313	327
Linguistics	1,213	1,194	1,133	1,051	982	966	930	951
Political science and public administration	18,733	18,348	17,620	16,679	15,867	15,806	15,235	15,332
Sociology	3,758	3,781	3,640	3,591	3,362	3,227	3,085	3,066
Other	7,170	7,361	7,487	7,342	7,225	7,434	6,971	7,243
Engineering	94,974	89,188	84,970	82,428	81,050	81,804	83,872	87,279
Aerospace	3,357	2,992	2,856	2,712	2,755	2,926	2,938	3,000
Agricultural	861	835	802	723	682	683	631	623
Biomedical	2,053	2,006	1,999	2,021	2,035	2,117	2,171	2,352
Chemical	6,110	5,885	5,757	5,568	5,366	5,150	5,212	5,084
Civil	15,714	14,986	14,228	13,029	12,415	12,069	12,208	12,125
Electrical	28,918	26,633	25,580	26,110	26,382	26,409	27,967	29,715

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Engineering science/physics	1,783	1,658	1,456	1,369	1,370	1,308	1,290	1,435
Industrial/manufacturing	11,135	10,652	9,906	9,301	8,769	9,144	9,519	10,132
Mechanical	15,938	14,686	13,873	13,266	12,934	13,168	13,604	13,892
Metallurgical/materials	4,145	3,882	3,670	3,571	3,550	3,397	3,336	3,548
Mining	374	331	317	285	249	273	241	204
Nuclear	1,093	1,009	827	725	687	686	636	644
Petroleum	565	539	502	484	516	560	540	588
Other	2,928	3,094	3,197	3,264	3,340	3,914	3,579	3,937
U.S. citizen/permanent resident								
S&E	195,784	189,907	182,508	174,924	169,471	165,892	158,605	158,958
Sciences	132,972	131,167	127,175	122,813	119,603	118,085	112,909	113,876
Agricultural sciences	5,646	5,744	5,437	5,399	5,365	5,430	5,216	5,150
Biological sciences	22,661	23,101	23,107	22,425	21,985	21,682	20,660	20,692
Anatomy	401	380	426	412	391	360	364	328
Biochemistry	2,173	2,190	2,135	2,110	2,099	2,042	1,861	1,871
Biology	6,375	6,330	6,454	6,297	6,005	5,831	5,391	5,146
Biometry/epidemiology	810	853	943	864	1,012	942	919	914
Biophysics	418	454	466	406	407	386	367	442
Botany	1,075	995	959	877	838	804	737	772
Cell/molecular biology	1,565	1,674	1,683	1,700	1,704	1,791	1,803	1,832
Ecology	720	805	751	731	733	717	739	780
Entomology/parasitology	588	559	590	546	543	521	467	500
Genetics	586	602	594	562	536	551	541	574
Microbiology, immunology, and virology	1,871	1,907	1,904	1,883	1,906	1,904	1,915	1,843
Nutrition	750	777	786	731	708	699	651	597
Pathology	700	688	652	673	621	607	530	591
Pharmacology	1,134	1,104	1,078	1,084	1,111	1,124	1,139	1,148
Physiology	1,020	1,169	1,132	1,110	1,011	919	874	838
Zoology	994	1,023	935	831	798	781	721	638
Other	1,481	1,591	1,619	1,608	1,562	1,703	1,641	1,878
Computer sciences	17,428	17,126	17,043	16,876	17,028	17,968	17,926	18,705
Earth, atmospheric, and ocean sciences	8,251	8,132	7,742	7,336	6,954	6,695	6,393	6,164
Atmospheric	687	655	652	636	564	502	493	455
Earth	4,122	4,089	3,846	3,660	3,422	3,344	3,195	3,099
Ocean	1,246	1,164	1,155	1,081	1,049	1,070	1,077	1,022
Other	2,196	2,224	2,089	1,959	1,919	1,779	1,628	1,588
Mathematics/statistics	8,668	8,093	7,690	7,006	6,859	6,348	5,942	6,252
Mathematics/applied mathematics	7,400	6,845	6,493	6,008	5,884	5,494	5,122	5,438
Statistics	1,268	1,248	1,197	998	975	854	820	814
Physical sciences	16,559	15,940	15,151	14,373	14,004	13,697	13,032	13,085
Astronomy	537	510	480	424	426	421	420	442
Chemistry	8,738	8,574	8,448	8,125	8,016	7,854	7,522	7,414
Physics	7,018	6,625	6,028	5,627	5,317	5,093	4,776	4,955
Other	266	231	195	197	245	329	314	274
Psychology	15,475	15,020	14,667	14,757	14,297	13,704	12,921	12,439
Clinical	3,549	3,455	3,599	3,679	3,447	3,397	3,121	2,990
General	5,616	5,298	4,911	5,084	4,942	4,566	4,326	4,259
Nonclinical	6,310	6,267	6,157	5,994	5,908	5,741	5,474	5,190
Social sciences	38,284	38,011	36,338	34,641	33,111	32,561	30,819	31,389
Agricultural economics	876	859	776	709	701	696	652	686
Anthropology (cultural and social)	2,678	2,789	2,759	2,731	2,669	2,614	2,583	2,581
Economics	5,291	5,001	4,424	3,847	3,653	3,310	3,161	3,261
Geography	2,576	2,465	2,452	2,335	2,313	2,186	2,032	2,058
History and philosophy of science	205	229	222	235	271	304	274	282
Linguistics	788	774	751	698	615	604	584	621

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 3 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Political science and public administration	16,510	16,267	15,432	14,612	13,739	13,528	12,879	12,990
Sociology	3,069	3,160	3,057	3,013	2,851	2,716	2,558	2,546
Other	6,291	6,467	6,465	6,461	6,299	6,603	6,096	6,364
Engineering	62,812	58,740	55,333	52,111	49,868	47,807	45,696	45,082
Aerospace	2,215	1,901	1,689	1,538	1,496	1,562	1,612	1,599
Agricultural	467	453	432	393	378	376	340	315
Biomedical	1,406	1,433	1,458	1,491	1,501	1,510	1,503	1,588
Chemical	3,558	3,438	3,457	3,348	3,149	2,849	2,731	2,502
Civil	10,657	10,294	9,946	8,975	8,509	7,846	7,457	7,118
Electrical	18,926	16,934	15,868	15,463	14,867	13,943	13,239	13,370
Engineering science/physics	1,244	1,208	1,042	990	929	878	760	845
Industrial/manufacturing	8,106	7,817	7,130	6,537	6,000	6,070	5,892	5,726
Mechanical	10,571	9,681	8,882	8,185	7,893	7,619	7,466	7,165
Metallurgical/materials	2,488	2,287	2,124	2,020	1,993	1,820	1,684	1,763
Mining	197	175	196	168	177	176	123	104
Nuclear	731	674	565	465	439	411	362	357
Petroleum	217	213	185	131	108	131	225	227
Other	2,029	2,232	2,359	2,407	2,429	2,616	2,302	2,403
White								
S&E	153,563	146,003	139,314	131,482	125,718	121,846	114,191	113,079
Sciences	106,801	102,946	98,845	93,660	89,786	87,647	82,552	82,320
Agricultural sciences	5,026	5,022	4,767	4,662	4,645	4,741	4,506	4,416
Biological sciences	18,414	18,345	18,247	17,434	16,971	16,579	15,655	15,421
Anatomy	304	294	336	311	295	273	272	255
Biochemistry	1,717	1,673	1,612	1,581	1,598	1,507	1,408	1,356
Biology	5,133	4,921	5,076	4,872	4,636	4,470	4,102	3,916
Biometry/epidemiology	644	635	683	597	704	651	630	623
Biophysics	331	338	338	289	266	266	252	292
Botany	921	875	821	743	711	685	622	630
Cell/molecular biology	1,292	1,327	1,352	1,347	1,310	1,363	1,315	1,304
Ecology	656	712	660	625	645	648	645	684
Entomology/parasitology	517	508	514	478	487	474	423	423
Genetics	495	493	476	453	422	391	382	409
Microbiology, immunology, and virology	1,522	1,524	1,487	1,450	1,467	1,404	1,409	1,305
Nutrition	578	620	605	579	547	543	494	436
Pathology	537	546	516	513	460	436	380	410
Pharmacology	904	845	863	857	834	852	866	858
Physiology	772	863	838	789	728	635	585	570
Zoology	901	928	860	756	695	712	658	574
Other	1,190	1,243	1,210	1,194	1,166	1,269	1,212	1,376
Computer sciences	12,483	11,690	11,439	10,919	10,750	10,889	10,916	11,281
Earth, atmospheric, and ocean sciences	7,362	7,200	6,820	6,363	6,033	5,873	5,613	5,370
Atmospheric	608	571	591	540	493	441	431	391
Earth	3,741	3,670	3,440	3,218	3,023	2,986	2,851	2,760
Ocean	1,089	1,007	980	934	903	930	951	872
Other	1,924	1,952	1,809	1,671	1,614	1,516	1,380	1,347
Mathematics/statistics	6,822	6,228	5,906	5,316	5,057	4,798	4,358	4,588
Mathematics/applied mathematics	5,790	5,216	4,959	4,516	4,313	4,129	3,732	3,965
Statistics	1,032	1,012	947	800	744	669	626	623
Physical sciences	13,753	13,004	12,386	11,587	11,048	10,872	10,221	10,077
Astronomy	480	435	424	377	362	365	360	373
Chemistry	7,179	6,950	6,865	6,492	6,308	6,212	5,900	5,798
Physics	5,865	5,417	4,925	4,551	4,208	4,101	3,773	3,731
Other	229	202	172	167	170	194	188	175

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Psychology	12,712	11,983	11,574	11,316	10,915	10,222	9,423	9,001
Clinical	2,960	2,839	2,957	2,924	2,736	2,635	2,342	2,202
General	4,545	4,239	3,893	3,959	3,788	3,480	3,224	3,113
Nonclinical	5,207	4,905	4,724	4,433	4,391	4,107	3,857	3,686
Social sciences	30,229	29,474	27,706	26,063	24,367	23,673	21,860	22,166
Agricultural economics	748	697	644	591	565	572	535	557
Anthropology (cultural and social)	2,285	2,333	2,298	2,277	2,190	2,130	2,056	2,042
Economics	4,089	3,903	3,360	2,850	2,601	2,445	2,243	2,273
Geography	2,263	2,155	2,129	2,036	1,972	1,889	1,756	1,776
History and philosophy of science	192	205	193	183	231	261	228	232
Linguistics	643	630	618	523	470	474	436	463
Political science and public administration	12,915	12,406	11,513	10,740	9,881	9,560	8,876	8,979
Sociology	2,259	2,276	2,187	2,139	1,946	1,798	1,689	1,693
Other	4,835	4,869	4,764	4,724	4,511	4,544	4,041	4,151
Engineering	46,762	43,057	40,469	37,822	35,932	34,199	31,639	30,759
Aerospace	1,812	1,564	1,379	1,257	1,216	1,239	1,233	1,237
Agricultural	397	375	341	303	300	310	282	258
Biomedical	1,078	1,097	1,109	1,095	1,140	1,144	1,089	1,058
Chemical	2,807	2,724	2,689	2,623	2,420	2,162	1,977	1,807
Civil	8,499	8,033	7,575	6,896	6,459	5,990	5,675	5,365
Electrical	12,796	11,175	10,425	9,913	9,468	8,744	7,958	7,823
Engineering science/physics	1,005	936	788	739	693	650	539	579
Industrial/manufacturing	6,050	5,626	5,320	4,953	4,492	4,446	4,211	4,093
Mechanical	7,939	7,241	6,695	6,217	5,866	5,742	5,358	5,174
Metallurgical/materials	2,001	1,829	1,714	1,519	1,573	1,492	1,325	1,390
Mining	153	127	134	118	114	129	104	86
Nuclear	618	596	487	404	378	358	313	300
Petroleum	156	146	131	96	92	111	95	102
Other	1,451	1,588	1,682	1,689	1,721	1,682	1,480	1,487
Asian/Pacific Islander								
S&E	17,151	16,371	15,946	15,682	15,895	16,048	15,327	15,997
Sciences	9,183	9,134	9,288	9,331	9,717	9,896	9,134	9,559
Agricultural sciences	171	151	143	164	155	139	109	112
Biological sciences	2,021	2,165	2,255	2,166	2,093	2,097	1,991	2,183
Anatomy	53	45	57	51	45	46	56	39
Biochemistry	290	318	328	306	283	306	228	266
Biology	436	398	426	411	363	355	350	338
Biometry/epidemiology	78	103	127	114	111	113	125	125
Biophysics	68	78	82	65	72	71	70	97
Botany	65	58	52	39	39	29	25	42
Cell/molecular biology	164	202	196	179	212	212	239	250
Ecology	12	17	18	21	21	18	16	18
Entomology/parasitology	27	16	24	24	20	9	9	27
Genetics	53	56	58	65	61	79	53	74
Microbiology, immunology, and virology	190	207	219	222	210	196	196	235
Nutrition	64	64	84	59	57	56	57	53
Pathology	93	95	75	85	84	94	82	90
Pharmacology	118	143	118	116	150	146	138	155
Physiology	131	203	203	212	168	170	164	155
Zoology	35	35	32	32	31	21	13	17
Other	144	127	156	165	166	176	170	202
Computer sciences	2,689	2,706	2,834	2,978	3,299	3,834	3,458	3,624
Earth, atmospheric, and ocean sciences	294	260	249	253	238	208	179	179
Atmospheric	46	50	36	36	38	33	25	23
Earth	131	103	96	118	96	78	72	84

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 5 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Ocean	41	51	48	35	36	31	29	21
Other	76	56	69	64	68	66	53	51
Mathematics/statistics	735	669	701	622	704	565	544	558
Mathematics/applied mathematics	615	549	546	499	570	471	448	480
Statistics	120	120	155	123	134	94	96	78
Physical sciences	1,253	1,159	1,097	1,044	1,150	1,046	1,018	1,021
Astronomy	21	22	23	22	17	18	19	21
Chemistry	677	639	631	628	694	638	657	629
Physics	532	488	434	381	432	373	333	361
Other	23	10	9	13	7	17	9	10
Psychology	435	416	465	510	551	536	533	539
Clinical	126	112	116	125	127	126	116	108
General	157	147	161	155	189	172	193	180
Nonclinical	152	157	188	230	235	238	224	251
Social sciences	1,585	1,608	1,544	1,594	1,527	1,471	1,302	1,343
Agricultural economics	32	39	28	27	29	35	17	14
Anthropology (cultural and social)	75	78	87	74	74	73	67	67
Economics	428	366	332	350	386	357	275	297
Geography	59	61	60	58	42	47	35	42
History and philosophy of science	4	7	10	15	13	11	11	11
Linguistics	61	59	55	62	54	34	28	48
Political science and public administration	546	603	541	611	548	529	527	515
Sociology	147	169	172	141	143	144	119	119
Other	233	226	259	256	238	241	223	230
Engineering	7,968	7,237	6,658	6,351	6,178	6,152	6,193	6,438
Aerospace	200	162	140	137	119	132	180	169
Agricultural	42	31	45	32	30	26	19	23
Biomedical	175	208	201	228	182	203	236	263
Chemical	384	337	345	361	321	310	379	403
Civil	997	957	903	760	791	615	524	507
Electrical	3,419	3,057	2,872	2,796	2,730	2,784	2,689	2,945
Engineering science/physics	141	146	121	157	143	127	84	98
Industrial/manufacturing	703	690	574	563	487	586	564	501
Mechanical	1,244	1,044	910	804	835	829	975	892
Metallurgical/materials	263	237	213	218	197	155	173	166
Mining	26	32	16	36	44	40	10	11
Nuclear	64	38	39	26	28	16	19	19
Petroleum	30	38	39	14	3	10	37	35
Other	280	260	240	219	268	319	304	406
Black								
S&E	8,046	8,210	8,247	8,329	8,320	8,587	8,362	8,482
Sciences	6,079	6,253	6,292	6,366	6,378	6,598	6,394	6,544
Agricultural sciences	119	151	131	104	149	135	118	109
Biological sciences	668	690	721	777	783	781	774	805
Anatomy	11	15	12	20	18	14	13	9
Biochemistry	57	50	51	63	67	64	63	53
Biology	238	260	274	280	260	262	244	248
Biometry/epidemiology	37	42	51	56	59	54	42	46
Biophysics	12	15	12	10	10	9	9	10
Botany	28	11	22	32	29	32	28	27
Cell/molecular biology	30	34	38	48	53	47	55	60
Ecology	6	7	10	6	9	11	13	13
Entomology/parasitology	10	4	6	6	5	9	6	9
Genetics	12	10	12	13	14	20	25	23
Microbiology, immunology, and virology	47	50	62	72	61	62	68	57
Nutrition	32	36	38	38	44	42	41	46

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Pathology	11	7	7	9	14	14	12	18
Pharmacology	31	37	38	41	51	55	55	58
Physiology	41	31	30	30	37	27	42	42
Zoology	9	9	5	4	5	5	5	5
Other	56	72	53	49	47	54	53	81
Computer sciences	696	652	716	765	764	824	855	953
Earth, atmospheric, and ocean sciences	117	116	115	105	103	112	120	125
Atmospheric	10	12	8	8	5	3	9	12
Earth	31	40	41	36	35	31	32	32
Ocean	26	18	19	11	10	14	14	16
Other	50	46	47	50	53	64	65	65
Mathematics/statistics	343	385	368	347	339	324	294	320
Mathematics/applied mathematics	309	343	333	321	307	295	265	284
Statistics	34	42	35	26	32	29	29	36
Physical sciences	497	529	550	508	481	501	493	466
Astronomy	4	6	7	6	6	6	5	8
Chemistry	298	326	336	319	303	315	308	290
Physics	191	187	202	174	159	164	168	162
Other	4	10	5	9	13	16	12	6
Psychology	851	817	808	908	887	915	883	947
Clinical	145	138	147	162	165	165	163	148
General	367	357	342	420	370	353	329	394
Nonclinical	339	322	319	326	352	397	391	405
Social sciences	2,788	2,913	2,883	2,852	2,872	3,006	2,857	2,819
Agricultural economics	42	36	34	29	45	49	42	41
Anthropology (cultural and social)	67	70	84	79	82	82	80	58
Economics	249	250	212	197	191	158	168	163
Geography	75	61	74	47	65	48	46	61
History and philosophy of science	4	7	7	6	8	7	8	7
Linguistics	12	13	12	15	14	13	13	15
Political science and public administration	1,396	1,476	1,440	1,445	1,456	1,568	1,454	1,467
Sociology	357	356	361	384	387	373	334	314
Other	586	644	659	650	624	708	712	693
Engineering	1,967	1,957	1,955	1,963	1,942	1,989	1,968	1,938
Aerospace	54	42	39	28	27	44	49	41
Agricultural	11	14	11	14	17	17	13	10
Biomedical	29	30	38	34	42	54	55	59
Chemical	78	85	94	85	105	68	91	78
Civil	288	313	330	299	277	277	273	273
Electrical	670	634	610	678	679	685	629	622
Engineering science/physics	34	28	28	31	32	28	21	23
Industrial/manufacturing	309	313	294	270	257	309	321	349
Mechanical	324	319	327	324	308	287	295	273
Metallurgical/materials	55	53	57	68	44	49	51	61
Mining	1	2	0	0	1	1	4	1
Nuclear	19	17	7	12	9	7	6	7
Petroleum	4	3	1	5	5	5	7	3
Other	91	104	119	115	139	158	153	138
Hispanic								
S&E	7,194	7,400	7,647	7,695	7,840	8,204	8,281	8,529
Sciences	4,911	5,204	5,380	5,522	5,627	5,982	6,000	6,172
Agricultural sciences	144	155	206	246	210	209	223	211
Biological sciences	766	851	850	899	924	967	962	1,007
Anatomy	13	12	10	8	11	16	14	14
Biochemistry	67	63	57	71	72	82	73	87
Biology	261	311	300	325	315	318	331	313

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 7 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Biometry/epidemiology	31	45	44	40	49	47	54	45
Biophysics	6	10	11	13	13	15	11	17
Botany	33	19	34	31	27	22	20	23
Cell/molecular biology	50	59	58	59	62	75	68	83
Ecology	23	23	26	27	23	15	18	18
Entomology/parasitology	15	15	28	26	18	16	18	21
Genetics	18	21	17	17	24	24	24	24
Microbiology, immunology, and virology	58	65	70	69	84	94	89	100
Nutrition	24	25	27	30	27	31	25	28
Pathology	22	24	18	19	19	28	25	31
Pharmacology	39	32	33	42	43	40	50	51
Physiology	33	39	27	33	43	44	39	34
Zoology	26	27	21	17	18	21	16	16
Other	47	61	69	72	76	79	87	102
Computer sciences	471	502	523	513	559	659	623	656
Earth, atmospheric, and ocean sciences	212	223	230	236	202	200	186	196
Atmospheric	11	8	9	9	11	4	8	8
Earth	86	99	97	102	83	84	80	77
Ocean	50	54	59	59	48	62	54	72
Other	65	62	65	66	60	50	44	39
Mathematics/statistics	241	248	266	254	276	270	310	329
Mathematics/applied mathematics	221	233	237	234	251	241	277	302
Statistics	20	15	29	20	25	29	33	27
Physical sciences	444	469	455	499	525	549	509	539
Astronomy	14	14	10	9	10	10	14	12
Chemistry	254	263	269	288	315	329	315	337
Physics	173	186	172	197	183	188	164	181
Other	3	6	4	5	17	22	16	9
Psychology	705	762	807	860	881	958	1,041	1,050
Clinical	161	194	208	245	261	260	323	333
General	259	258	267	277	276	278	265	281
Nonclinical	285	310	332	338	344	420	453	436
Social sciences	1,928	1,994	2,043	2,015	2,050	2,170	2,146	2,184
Agricultural economics	32	34	39	32	21	19	23	22
Anthropology (cultural and social)	120	143	142	143	149	129	148	159
Economics	256	262	210	185	178	159	160	204
Geography	72	62	60	60	64	64	57	59
History and philosophy of science	4	3	6	8	8	14	11	12
Linguistics	38	30	39	51	33	35	39	33
Political science and public administration	878	910	928	886	902	979	1,010	913
Sociology	179	187	196	213	243	262	234	241
Other	349	363	423	437	452	509	464	541
Engineering	2,283	2,196	2,267	2,173	2,213	2,222	2,281	2,357
Aerospace	67	54	53	63	67	70	67	53
Agricultural	8	16	17	12	10	12	11	11
Biomedical	63	46	42	39	53	50	63	69
Chemical	120	133	130	105	114	128	112	108
Civil	396	422	508	488	504	498	541	509
Electrical	730	671	672	689	692	631	618	683
Engineering science/physics	31	24	49	32	30	29	26	29
Industrial/manufacturing	281	280	303	281	247	291	300	302
Mechanical	398	367	323	298	332	336	316	359
Metallurgical/materials	83	65	58	52	54	49	60	54
Mining	2	2	2	6	4	2	1	1

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 8 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Nuclear	22	17	18	16	18	23	22	25
Petroleum	14	19	13	8	5	3	43	46
Other	68	80	79	84	83	100	101	108
American Indian/Alaskan Native								
S&E	693	753	768	804	797	745	734	808
Sciences	514	572	577	624	624	570	595	646
Agricultural sciences	21	30	22	34	45	46	34	35
Biological sciences	77	87	93	91	88	80	79	95
Anatomy	0	1	1	1	1	1	3	3
Biochemistry	6	10	10	7	9	2	5	9
Biology	22	23	26	30	24	27	22	27
Biometry/epidemiology	4	3	1	4	2	2	2	2
Biophysics	0	0	0	0	0	0	0	0
Botany	6	3	1	0	1	0	0	4
Cell/molecular biology	6	5	3	2	4	1	2	1
Ecology	2	1	0	2	2	3	2	3
Entomology/parasitology	0	0	1	1	1	0	0	1
Genetics	0	1	3	1	1	1	1	1
Microbiology, immunology, and virology	9	11	8	6	9	11	16	10
Nutrition	2	2	0	1	3	2	1	0
Pathology	3	2	5	8	7	6	5	9
Pharmacology	2	9	5	3	2	4	4	7
Physiology	4	3	6	3	5	3	1	3
Zoology	5	6	12	10	6	4	3	5
Other	6	7	11	12	11	13	12	10
Computer sciences	36	41	40	43	68	51	51	59
Earth, atmospheric, and ocean sciences	25	31	36	47	44	32	33	37
Atmospheric	1	3	2	1	2	2	3	3
Earth	14	12	17	21	18	13	17	17
Ocean	4	6	7	9	9	7	6	6
Other	6	10	10	16	15	10	7	11
Mathematics/statistics	24	43	24	29	16	12	14	22
Mathematics/applied mathematics	23	34	21	27	15	11	13	20
Statistics	1	9	3	2	1	1	1	2
Physical sciences	49	57	42	46	41	40	54	54
Astronomy	2	2	1	0	1	1	1	0
Chemistry	33	30	31	30	28	30	43	39
Physics	13	25	10	15	10	8	9	15
Other	1	0	0	1	2	1	1	0
Psychology	97	93	111	118	87	88	103	83
Clinical	32	32	38	39	28	30	32	23
General	36	25	32	35	25	26	37	24
Nonclinical	29	36	41	44	34	32	34	36
Social sciences	185	190	209	216	235	221	227	261
Agricultural economics	3	3	3	0	2	6	6	4
Anthropology (cultural and social)	34	40	44	44	49	45	49	46
Economics	13	9	9	8	11	4	6	12
Geography	10	14	13	10	8	9	13	18
History and philosophy of science	0	0	0	1	1	1	0	0
Linguistics	3	4	2	3	2	5	5	4
Political science and public administration	69	68	74	69	88	86	85	92
Sociology	21	13	20	26	23	26	19	25
Other	32	39	44	55	51	39	44	60

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 9 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Engineering	179	181	191	180	173	175	139	162
Aerospace	4	6	5	3	7	8	6	6
Agricultural	0	0	1	6	2	1	1	1
Biomedical	10	3	5	5	5	7	4	4
Chemical	12	13	23	10	13	11	9	5
Civil	21	32	38	41	31	43	29	29
Electrical	45	46	45	39	25	36	26	39
Engineering science/physics	3	4	3	3	6	5	6	7
Industrial/manufacturing	17	17	18	17	23	23	27	30
Mechanical	44	37	28	27	20	25	19	23
Metallurgical/materials	5	7	7	9	27	5	3	6
Mining	1	0	1	0	0	0	1	0
Nuclear	2	1	2	2	1	1	0	0
Petroleum	2	2	1	1	2	0	1	1
Other	13	13	14	17	11	10	7	11
Other race/ethnicity								
S&E	9,137	11,170	10,586	10,932	10,901	10,462	11,710	12,063
Sciences	5,484	7,058	6,793	7,310	7,471	7,392	8,234	8,635
Agricultural sciences	165	235	168	189	161	160	226	267
Biological sciences	715	963	941	1,058	1,126	1,178	1,199	1,181
Anatomy	20	13	10	21	21	10	6	8
Biochemistry	36	76	77	82	70	81	84	100
Biology	285	417	352	379	407	399	342	304
Biometry/epidemiology	16	25	37	53	87	75	66	73
Biophysics	1	13	23	29	46	25	25	26
Botany	22	29	29	32	31	36	42	46
Cell/molecular biology	23	47	36	65	63	93	124	134
Ecology	21	45	37	50	33	22	45	44
Entomology/parasitology	19	16	17	11	12	13	11	19
Genetics	8	21	28	13	14	36	56	43
Microbiology, immunology, and virology	45	50	58	64	75	137	137	136
Nutrition	50	30	32	24	30	25	33	34
Pathology	34	14	31	39	37	29	26	33
Pharmacology	40	38	21	25	31	27	26	19
Physiology	39	30	28	43	30	40	43	34
Zoology	18	18	5	12	43	18	26	21
Other	38	81	120	116	96	112	107	107
Computer sciences	1,053	1,535	1,491	1,658	1,588	1,711	2,023	2,132
Earth, atmospheric, and ocean sciences	241	302	292	332	334	270	262	257
Atmospheric	11	11	6	42	15	19	17	18
Earth	119	165	155	165	167	152	143	129
Ocean	36	28	42	33	43	26	23	35
Other	75	98	89	92	109	73	79	75
Mathematics/statistics	503	520	425	438	467	379	422	435
Mathematics/applied mathematics	442	470	397	411	428	347	387	387
Statistics	61	50	28	27	39	32	35	48
Physical sciences	563	722	621	689	759	689	737	928
Astronomy	16	31	15	10	30	21	21	28
Chemistry	297	366	316	368	368	330	299	321
Physics	244	322	285	309	325	259	329	505
Other	6	3	5	2	36	79	88	74
Psychology	675	949	902	1,045	976	985	938	819
Clinical	125	140	133	184	130	181	145	176
General	252	272	216	238	294	257	278	267
Nonclinical	298	537	553	623	552	547	515	376

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Social sciences	1,569	1,832	1,953	1,901	2,060	2,020	2,427	2,616
Agricultural economics	19	50	28	30	39	15	29	48
Anthropology (cultural and social)	97	125	104	114	125	155	183	209
Economics	256	211	301	257	286	187	309	312
Geography	97	112	116	124	162	129	125	102
History and philosophy of science	1	7	6	22	10	10	16	20
Linguistics	31	38	25	44	42	43	63	58
Political science and public administration	706	804	936	861	864	806	927	1,024
Sociology	106	159	121	110	109	113	163	154
Other	256	326	316	339	423	562	612	689
Engineering	3,653	4,112	3,793	3,622	3,430	3,070	3,476	3,428
Aerospace	78	73	73	50	60	69	77	93
Agricultural	9	17	17	26	19	10	14	12
Biomedical	51	49	63	90	79	52	56	135
Chemical	157	146	176	164	176	170	163	101
Civil	456	537	592	491	447	423	415	435
Electrical	1,266	1,351	1,244	1,348	1,273	1,063	1,319	1,258
Engineering science/physics	30	70	53	28	25	39	84	109
Industrial/manufacturing	746	891	621	453	494	415	469	451
Mechanical	622	673	599	515	532	400	503	444
Metallurgical/materials	81	96	75	154	98	70	72	86
Mining	14	12	43	8	14	4	3	5
Nuclear	6	5	12	5	5	6	2	6
Petroleum	11	5	0	7	1	2	42	40
Other	126	187	225	283	207	347	257	253
Temporary resident								
S&E	76,237	72,341	70,991	70,684	71,935	76,940	85,277	92,890
Sciences	44,075	41,893	41,354	40,367	40,753	42,943	47,101	50,693
Agricultural sciences	2,281	2,219	2,088	1,892	1,760	1,648	1,537	1,559
Biological sciences	7,235	6,728	6,182	6,002	5,930	5,760	5,916	6,038
Anatomy	124	137	126	131	118	110	124	120
Biochemistry	1,065	958	852	816	820	793	878	823
Biology	1,085	1,047	1,028	1,062	1,059	1,015	1,010	1,039
Biometry/epidemiology	314	286	284	255	340	345	360	357
Biophysics	158	150	123	126	121	111	149	186
Botany	509	470	435	406	372	364	340	326
Cell/molecular biology	502	472	445	452	450	401	442	490
Ecology	101	101	96	107	99	100	99	108
Entomology/parasitology	258	268	220	205	211	218	195	190
Genetics	201	216	234	239	199	209	196	218
Microbiology, immunology, and virology	733	662	576	526	496	461	466	460
Nutrition	523	519	452	413	365	378	383	396
Pathology	225	202	195	169	155	169	171	157
Pharmacology	353	295	294	284	294	290	305	298
Physiology	372	313	264	254	254	266	256	218
Zoology	190	152	130	116	112	91	100	125
Other	522	480	428	441	465	439	442	527
Computer sciences	8,643	8,199	8,786	9,234	10,197	12,022	15,505	18,197
Earth, atmospheric, and ocean sciences	2,387	2,150	1,994	1,796	1,736	1,663	1,796	1,785
Atmospheric	180	180	200	193	167	169	202	171
Earth	1,368	1,210	1,138	1,003	950	893	947	962
Ocean	509	452	390	343	351	332	324	308
Other	330	308	266	257	268	269	323	344
Mathematics/statistics	4,374	4,153	4,099	3,845	3,638	3,866	3,923	4,134
Mathematics/applied mathematics	3,655	3,472	3,469	3,236	3,048	3,165	3,188	3,328
Statistics	719	681	630	609	590	701	735	806

TABLE D-3. Male S&E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Page 11 of 11

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Physical sciences	8,740	8,374	8,137	7,884	7,818	8,079	8,303	8,571
Astronomy	213	179	167	146	164	186	201	209
Chemistry	4,220	4,168	4,047	3,927	3,902	3,945	3,893	4,038
Physics	4,236	3,965	3,891	3,776	3,712	3,900	4,154	4,264
Other	71	62	32	35	40	48	55	60
Psychology	941	857	708	750	798	790	753	776
Clinical	137	132	101	107	113	116	84	94
General	371	343	275	288	309	285	312	325
Nonclinical	433	382	332	355	376	389	357	357
Social sciences	9,474	9,213	9,360	8,964	8,876	9,115	9,368	9,633
Agricultural economics	665	696	631	646	614	603	638	640
Anthropology (cultural and social)	394	351	328	328	352	375	362	348
Economics	3,829	3,796	3,873	3,738	3,584	3,753	3,844	4,097
Geography	328	321	318	327	350	361	381	432
History and philosophy of science	42	33	35	46	44	41	39	45
Linguistics	425	420	382	353	367	362	346	330
Political science and public administration	2,223	2,081	2,188	2,067	2,128	2,278	2,356	2,342
Sociology	689	621	583	578	511	511	527	520
Other	879	894	1,022	881	926	831	875	879
Engineering	32,162	30,448	29,637	30,317	31,182	33,997	38,176	42,197
Aerospace	1,142	1,091	1,167	1,174	1,259	1,364	1,326	1,401
Agricultural	394	382	370	330	304	307	291	308
Biomedical	647	573	541	530	534	607	668	764
Chemical	2,552	2,447	2,300	2,220	2,217	2,301	2,481	2,582
Civil	5,057	4,692	4,282	4,054	3,906	4,223	4,751	5,007
Electrical	9,992	9,699	9,712	10,647	11,515	12,466	14,728	16,345
Engineering science/physics	539	450	414	379	441	430	530	590
Industrial/manufacturing	3,029	2,835	2,776	2,764	2,769	3,074	3,627	4,406
Mechanical	5,367	5,005	4,991	5,081	5,041	5,549	6,138	6,727
Metallurgical/materials	1,657	1,595	1,546	1,551	1,557	1,577	1,652	1,785
Mining	177	156	121	117	72	97	118	100
Nuclear	362	335	262	260	248	275	274	287
Petroleum	348	326	317	353	408	429	315	361
Other	899	862	838	857	911	1,298	1,277	1,534

NOTES: Racial/ethnic breakouts are for U.S. citizens and permanent residents only. Temporary resident includes all racial/ethnic groups.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1994–2001.