

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
All S&E graduate students	431,114	422,438	415,148	407,597	404,809	411,257	414,683	429,492
Sciences	318,090	315,237	311,924	306,449	304,771	309,566	309,999	319,986
Agricultural sciences	12,242	12,422	11,974	11,852	11,844	11,988	11,684	11,911
Biological sciences	58,033	58,680	58,060	57,044	56,994	57,115	56,494	57,826
Anatomy	1,018	982	1,019	1,003	922	886	924	867
Biochemistry	5,615	5,562	5,275	5,102	5,148	5,101	4,963	4,917
Biology	14,208	14,280	14,611	14,646	14,277	13,989	13,410	13,355
Biometry and epidemiology	2,710	2,812	3,001	2,900	3,511	3,529	3,471	3,629
Biophysics	794	845	833	748	737	710	745	893
Botany	2,748	2,609	2,504	2,402	2,328	2,261	2,176	2,182
Cell and molecular biology	3,829	3,994	4,022	4,111	4,206	4,465	4,647	4,768
Ecology	1,566	1,680	1,615	1,619	1,655	1,687	1,744	1,848
Entomology and parasitology	1,263	1,241	1,234	1,161	1,168	1,145	1,104	1,170
Genetics	1,699	1,700	1,729	1,760	1,705	1,767	1,705	1,833
Microbiology, immunology, and virology	5,094	5,026	4,912	4,805	4,773	4,815	4,815	4,798
Nutrition	4,791	5,071	4,918	4,604	4,486	4,508	4,430	4,429
Pathology	1,707	1,670	1,656	1,674	1,580	1,580	1,529	1,649
Pharmacology	2,839	2,710	2,663	2,597	2,730	2,757	2,959	3,052
Physiology	2,378	2,540	2,377	2,298	2,151	2,083	2,007	1,967
Zoology	2,028	2,006	1,852	1,669	1,622	1,558	1,481	1,448
Other	3,746	3,952	3,839	3,945	3,995	4,274	4,384	5,021
Computer sciences	34,158	33,458	34,626	35,991	38,027	42,560	47,594	52,196
Earth, atmospheric, and ocean sciences	15,957	15,716	15,183	14,548	14,258	14,083	13,940	13,841
Atmospheric sciences	1,109	1,072	1,086	1,092	965	913	963	924
Earth	7,713	7,582	7,304	6,959	6,687	6,637	6,595	6,544
Ocean sciences	2,870	2,723	2,615	2,479	2,562	2,624	2,668	2,585
Other	4,265	4,339	4,178	4,018	4,044	3,909	3,714	3,788
Mathematics and statistics	19,573	18,504	18,008	16,719	16,485	16,257	15,646	16,663
Mathematics and applied mathematics	16,457	15,386	14,948	14,027	13,827	13,521	12,819	13,594
Statistics	3,116	3,118	3,060	2,692	2,658	2,736	2,827	3,069
Physical sciences	34,466	33,399	32,333	31,105	30,575	30,691	30,463	30,988
Astronomy	973	912	874	778	820	832	888	916
Chemistry	19,803	19,570	19,334	18,774	18,482	18,416	18,188	18,300
Physics	13,162	12,425	11,728	11,147	10,809	10,869	10,836	11,264
Other	528	492	397	406	464	574	551	508
Psychology	54,554	53,641	53,122	53,126	52,557	51,864	50,704	50,798
Clinical	12,684	12,519	12,787	13,098	12,733	12,798	12,488	12,473
General	18,356	17,636	16,832	17,246	17,095	16,235	15,725	16,022
Nonclinical	23,514	23,486	23,503	22,782	22,729	22,831	22,491	22,303
Social sciences	89,107	89,417	88,618	86,064	84,031	85,008	83,474	85,763
Agricultural economics	2,289	2,338	2,117	2,043	1,995	2,014	2,079	2,161
Anthropology (cultural and social)	7,665	7,693	7,773	7,560	7,577	7,633	7,633	7,491
Economics	12,913	12,673	12,080	11,097	10,701	10,562	10,778	11,340
Geography	4,502	4,371	4,331	4,287	4,326	4,250	4,044	4,276
History and philosophy of science	387	401	409	443	508	557	532	571
Linguistics	3,279	3,194	3,156	3,068	2,935	2,799	2,674	2,744
Political science and public administration	34,317	34,298	33,252	32,083	30,828	31,381	31,179	31,850
Sociology	9,498	9,564	9,425	9,413	9,058	8,966	8,689	8,775
Other	14,257	14,885	16,075	16,070	16,103	16,846	15,866	16,555
Engineering	113,024	107,201	103,224	101,148	100,038	101,691	104,684	109,506
Aerospace	3,715	3,343	3,208	3,083	3,137	3,349	3,407	3,485
Agricultural	1,061	1,037	1,012	941	925	934	899	907
Biomedical	2,750	2,732	2,732	2,847	2,905	3,121	3,241	3,593
Chemical	7,639	7,452	7,408	7,288	7,093	6,883	7,093	6,913
Civil	19,925	19,218	18,528	17,193	16,517	16,226	16,494	16,604
Electrical	33,020	30,721	29,702	30,548	31,129	31,382	33,318	35,745

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Engineering science/physics	2,089	1,955	1,751	1,647	1,701	1,627	1,632	1,798
Industrial/manufacturing	13,992	13,475	12,675	11,957	11,221	11,803	12,253	12,940
Mechanical	17,761	16,363	15,509	15,045	14,696	14,956	15,457	15,831
Metallurgical and materials	5,228	4,956	4,747	4,688	4,680	4,481	4,377	4,721
Mining	424	373	371	348	304	328	287	240
Nuclear	1,246	1,154	980	868	821	830	792	801
Petroleum	624	610	562	561	571	642	627	680
Other	3,550	3,812	4,039	4,134	4,338	5,129	4,807	5,248
U.S. citizen/permanent resident								
S&E	328,998	323,935	317,043	308,636	302,837	301,367	292,845	296,194
Sciences	252,980	252,218	248,875	243,994	240,588	241,179	234,917	238,598
Agricultural sciences	9,121	9,343	9,044	9,146	9,261	9,514	9,324	9,408
Biological sciences	45,244	46,490	46,600	45,898	45,591	45,897	44,730	45,441
Anatomy	789	738	807	792	732	692	714	658
Biochemistry	3,796	3,860	3,750	3,691	3,695	3,646	3,368	3,338
Biology	12,225	12,303	12,641	12,609	12,197	11,997	11,385	11,209
Biometry and epidemiology	2,109	2,234	2,438	2,389	2,834	2,819	2,685	2,778
Biophysics	583	637	658	577	571	556	541	632
Botany	1,926	1,827	1,797	1,710	1,655	1,614	1,549	1,570
Cell and molecular biology	2,941	3,148	3,179	3,265	3,344	3,608	3,665	3,691
Ecology	1,392	1,518	1,453	1,450	1,484	1,513	1,560	1,656
Entomology and parasitology	899	868	916	871	877	843	824	895
Genetics	1,337	1,347	1,342	1,342	1,311	1,388	1,329	1,417
Microbiology, immunology, and virology	3,790	3,841	3,849	3,826	3,813	3,872	3,876	3,794
Nutrition	3,539	3,817	3,757	3,495	3,415	3,444	3,319	3,269
Pathology	1,344	1,328	1,326	1,380	1,292	1,285	1,226	1,356
Pharmacology	2,186	2,163	2,090	2,044	2,154	2,188	2,335	2,404
Physiology	1,785	2,012	1,929	1,875	1,713	1,629	1,561	1,536
Zoology	1,727	1,761	1,628	1,478	1,432	1,399	1,287	1,224
Other	2,876	3,088	3,040	3,104	3,072	3,404	3,506	4,014
Computer sciences	23,096	22,663	22,779	23,074	23,605	25,405	25,454	26,447
Earth, atmospheric, and ocean sciences	12,693	12,769	12,417	12,033	11,759	11,563	11,248	11,080
Atmospheric sciences	844	806	803	801	710	639	659	650
Earth	5,964	6,039	5,847	5,666	5,443	5,413	5,293	5,199
Ocean sciences	2,148	2,102	2,058	1,972	2,029	2,108	2,142	2,071
Other	3,737	3,822	3,709	3,594	3,577	3,403	3,154	3,160
Mathematics and statistics	13,510	12,695	12,247	11,175	11,064	10,330	9,612	10,193
Mathematics and applied mathematics	11,501	10,694	10,252	9,521	9,447	8,861	8,165	8,747
Statistics	2,009	2,001	1,995	1,654	1,617	1,469	1,447	1,446
Physical sciences	22,757	21,990	21,155	20,210	19,837	19,559	18,900	18,995
Astronomy	711	680	658	593	607	593	617	633
Chemistry	13,391	13,156	13,059	12,662	12,457	12,331	12,032	11,914
Physics	8,215	7,745	7,098	6,608	6,379	6,140	5,778	6,034
Other	440	409	340	347	394	495	473	414
Psychology	52,211	51,554	51,149	51,118	50,371	49,625	48,444	48,285
Clinical	12,305	12,190	12,483	12,763	12,370	12,402	12,098	12,048
General	17,562	16,906	16,169	16,579	16,400	15,515	14,917	15,094
Nonclinical	22,344	22,458	22,497	21,776	21,601	21,708	21,429	21,143
Social sciences	74,348	74,714	73,484	71,340	69,100	69,286	67,205	68,749
Agricultural economics	1,349	1,339	1,217	1,123	1,091	1,089	1,065	1,109
Anthropology (cultural and social)	6,878	6,999	7,083	6,858	6,838	6,810	6,810	6,722
Economics	7,636	7,285	6,559	5,714	5,461	5,029	4,998	5,093
Geography	4,002	3,873	3,849	3,763	3,767	3,652	3,420	3,554
History and philosophy of science	331	355	359	376	441	498	463	501
Linguistics	2,267	2,197	2,154	2,086	1,912	1,837	1,714	1,782

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Political science and public administration	30,904	30,920	29,709	28,657	27,276	27,462	27,027	27,598
Sociology	8,163	8,356	8,294	8,252	7,949	7,790	7,443	7,469
Other	12,818	13,390	14,260	14,511	14,365	15,119	14,265	14,921
Engineering	76,018	71,717	68,168	64,642	62,249	60,188	57,928	57,596
Aerospace	2,476	2,157	1,935	1,765	1,720	1,817	1,894	1,881
Agricultural	567	554	540	521	519	526	513	497
Biomedical	1,928	1,995	2,027	2,137	2,177	2,254	2,281	2,459
Chemical	4,612	4,483	4,521	4,424	4,208	3,869	3,798	3,500
Civil	13,967	13,559	13,263	12,090	11,555	10,801	10,380	10,061
Electrical	21,612	19,504	18,332	17,903	17,328	16,282	15,520	15,772
Engineering science/physics	1,466	1,436	1,258	1,199	1,149	1,093	955	1,054
Industrial/manufacturing	10,404	10,123	9,349	8,616	7,869	8,073	7,815	7,617
Mechanical	11,940	10,905	10,026	9,351	9,046	8,760	8,551	8,290
Metallurgical and materials	3,254	3,029	2,827	2,721	2,670	2,438	2,265	2,385
Mining	232	202	237	223	228	219	155	136
Nuclear	834	774	670	565	527	498	457	445
Petroleum	240	240	201	149	123	148	265	267
Other	2,486	2,756	2,982	2,978	3,130	3,410	3,079	3,232
White								
S&E	255,633	245,831	238,001	227,975	220,631	216,785	206,163	205,757
Sciences	199,645	193,900	188,912	181,882	176,533	174,722	166,850	167,437
Agricultural sciences	8,021	8,040	7,800	7,797	7,892	8,176	7,917	7,894
Biological sciences	36,324	36,463	36,284	34,960	34,507	34,417	33,426	33,311
Anatomy	585	558	617	598	563	529	549	522
Biochemistry	2,963	2,896	2,784	2,669	2,742	2,665	2,530	2,373
Biology	9,598	9,369	9,683	9,463	9,122	8,929	8,454	8,281
Biometry and epidemiology	1,629	1,646	1,740	1,641	1,902	1,917	1,778	1,848
Biophysics	453	475	481	415	377	383	372	430
Botany	1,660	1,602	1,530	1,436	1,381	1,369	1,315	1,288
Cell and molecular biology	2,419	2,522	2,552	2,566	2,526	2,674	2,614	2,558
Ecology	1,255	1,349	1,285	1,259	1,311	1,346	1,344	1,428
Entomology and parasitology	783	771	791	749	778	757	733	764
Genetics	1,139	1,123	1,108	1,092	1,055	1,016	973	1,041
Microbiology, immunology, and virology	3,037	3,009	2,968	2,845	2,849	2,791	2,799	2,658
Nutrition	2,859	3,064	2,958	2,750	2,647	2,667	2,577	2,445
Pathology	1,049	1,071	1,060	1,044	961	926	905	968
Pharmacology	1,687	1,611	1,599	1,543	1,568	1,589	1,730	1,727
Physiology	1,358	1,461	1,390	1,283	1,220	1,119	1,058	1,035
Zoology	1,558	1,585	1,482	1,341	1,237	1,257	1,160	1,100
Other	2,292	2,351	2,256	2,266	2,268	2,483	2,535	2,845
Computer sciences	15,752	14,773	14,479	14,062	13,948	14,423	14,565	15,039
Earth, atmospheric, and ocean sciences	11,282	11,245	10,873	10,402	10,098	10,007	9,811	9,583
Atmospheric sciences	733	691	709	657	601	552	557	547
Earth	5,370	5,388	5,212	4,989	4,776	4,796	4,719	4,613
Ocean sciences	1,880	1,825	1,752	1,699	1,732	1,815	1,872	1,769
Other	3,299	3,341	3,200	3,057	2,989	2,844	2,663	2,654
Mathematics and statistics	10,490	9,654	9,196	8,351	8,097	7,659	6,966	7,386
Mathematics and applied mathematics	8,894	8,064	7,663	7,074	6,899	6,560	5,916	6,322
Statistics	1,596	1,590	1,533	1,277	1,198	1,099	1,050	1,064
Physical sciences	18,437	17,486	16,757	15,767	15,218	15,037	14,386	14,235
Astronomy	624	577	570	514	507	511	523	527
Chemistry	10,662	10,297	10,203	9,712	9,484	9,394	9,069	8,965
Physics	6,771	6,250	5,696	5,268	4,967	4,840	4,516	4,484
Other	380	362	288	273	260	292	278	259

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Psychology	42,062	40,146	39,327	38,724	37,622	36,350	33,960	33,558
Clinical	10,014	9,735	9,898	9,848	9,353	9,212	8,662	8,346
General	13,905	13,151	12,376	12,664	12,299	11,545	10,656	10,514
Nonclinical	18,143	17,260	17,053	16,212	15,970	15,593	14,642	14,698
Social sciences	57,277	56,093	54,196	51,819	49,151	48,653	45,819	46,431
Agricultural economics	1,128	1,075	999	906	860	881	866	888
Anthropology (cultural and social)	5,827	5,815	5,867	5,641	5,549	5,440	5,322	5,190
Economics	5,898	5,616	4,935	4,201	3,828	3,595	3,468	3,468
Geography	3,479	3,353	3,321	3,266	3,211	3,131	2,921	3,031
History and philosophy of science	308	317	312	303	380	424	386	414
Linguistics	1,770	1,688	1,689	1,518	1,404	1,375	1,237	1,293
Political science and public administration	23,296	22,413	20,955	19,984	18,526	18,325	17,441	17,728
Sociology	6,026	6,070	5,965	5,840	5,455	5,304	5,008	5,069
Other	9,545	9,746	10,153	10,160	9,938	10,178	9,170	9,350
Engineering	55,988	51,931	49,089	46,093	44,098	42,063	39,313	38,320
Aerospace	2,024	1,774	1,577	1,440	1,391	1,437	1,451	1,447
Agricultural	476	454	427	385	403	423	400	375
Biomedical	1,464	1,507	1,519	1,567	1,623	1,664	1,631	1,608
Chemical	3,532	3,429	3,394	3,365	3,124	2,805	2,649	2,417
Civil	11,029	10,434	9,983	9,208	8,665	8,088	7,799	7,462
Electrical	14,293	12,606	11,733	11,065	10,679	9,827	8,922	8,817
Engineering science/physics	1,172	1,102	942	881	843	787	673	717
Industrial/manufacturing	7,716	7,262	6,864	6,391	5,764	5,761	5,438	5,255
Mechanical	8,893	8,059	7,461	6,979	6,657	6,491	6,063	5,897
Metallurgical and materials	2,578	2,402	2,261	2,019	2,079	1,935	1,751	1,839
Mining	183	151	164	161	151	162	133	115
Nuclear	698	672	571	475	449	424	382	364
Petroleum	175	164	141	105	101	124	110	112
Other	1,755	1,915	2,052	2,052	2,169	2,135	1,911	1,895
Asian/Pacific Islander								
S&E	26,470	25,901	25,928	26,012	26,724	27,575	26,226	27,659
Sciences	16,683	16,883	17,488	17,879	18,712	19,414	18,142	19,057
Agricultural sciences	281	280	283	302	305	306	247	258
Biological sciences	3,949	4,299	4,465	4,486	4,447	4,468	4,238	4,719
Anatomy	104	91	107	103	77	79	85	71
Biochemistry	526	595	611	566	527	541	418	477
Biology	883	833	875	882	817	793	739	762
Biometry and epidemiology	209	254	324	314	357	375	410	419
Biophysics	99	111	109	86	90	100	99	132
Botany	107	91	90	76	92	77	76	99
Cell and molecular biology	296	345	357	353	441	472	491	520
Ecology	30	32	37	47	50	45	42	47
Entomology and parasitology	47	35	40	41	37	19	24	46
Genetics	103	112	119	131	126	161	109	147
Microbiology, immunology, and virology	356	404	428	475	444	412	413	479
Nutrition	246	281	309	285	269	255	230	254
Pathology	157	162	138	171	166	180	153	186
Pharmacology	251	289	256	245	299	288	288	335
Physiology	206	321	318	333	265	276	264	288
Zoology	59	60	59	53	61	49	28	33
Other	270	283	288	325	329	346	369	424
Computer sciences	4,046	4,043	4,266	4,626	5,219	6,156	5,558	5,716
Earth, atmospheric, and ocean sciences	449	419	409	417	424	400	351	352
Atmospheric sciences	66	69	52	56	55	41	41	37
Earth	180	151	145	166	153	144	132	139

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Ocean sciences	74	83	80	60	62	67	64	51
Other	129	116	132	135	154	148	114	125
Mathematics and statistics	1,208	1,121	1,223	1,051	1,174	1,002	963	997
Mathematics and applied mathematics	1,008	904	943	820	939	799	757	825
Statistics	200	217	280	231	235	203	206	172
Physical sciences	1,923	1,780	1,745	1,638	1,760	1,682	1,620	1,612
Astronomy	35	30	38	39	32	31	33	36
Chemistry	1,174	1,122	1,144	1,106	1,179	1,133	1,156	1,104
Physics	681	611	542	467	528	490	412	455
Other	33	17	21	26	21	28	19	17
Psychology	1,583	1,598	1,757	1,909	2,019	2,043	2,076	2,165
Clinical	481	470	494	557	553	579	569	574
General	542	539	585	610	703	675	722	729
Nonclinical	560	589	678	742	763	789	785	862
Social sciences	3,244	3,343	3,340	3,450	3,364	3,357	3,089	3,238
Agricultural economics	51	66	53	49	54	53	30	29
Anthropology (cultural and social)	192	208	242	236	241	256	259	253
Economics	658	580	536	552	611	597	495	502
Geography	108	127	131	119	87	101	81	97
History and philosophy of science	9	14	18	21	22	20	20	21
Linguistics	186	179	181	212	187	148	106	154
Political science and public administration	1,092	1,227	1,155	1,264	1,180	1,163	1,208	1,215
Sociology	412	413	440	399	405	398	355	359
Other	536	529	584	598	577	621	535	608
Engineering	9,787	9,018	8,440	8,133	8,012	8,161	8,084	8,602
Aerospace	223	177	159	153	140	153	206	203
Agricultural	50	43	57	47	43	41	38	44
Biomedical	247	281	284	313	268	308	361	423
Chemical	524	458	482	512	469	486	550	576
Civil	1,339	1,322	1,254	1,050	1,104	931	770	789
Electrical	4,098	3,707	3,543	3,487	3,435	3,488	3,418	3,728
Engineering science/physics	174	185	153	202	187	170	103	123
Industrial/manufacturing	882	855	750	739	643	784	734	696
Mechanical	1,421	1,225	1,073	947	973	1,008	1,121	1,072
Metallurgical and materials	346	311	272	295	272	240	246	244
Mining	30	34	19	46	57	50	11	12
Nuclear	75	49	46	38	36	22	24	27
Petroleum	31	42	44	16	7	11	38	39
Other	347	329	304	288	378	469	464	626
Black								
S&E	17,610	18,285	19,066	19,341	19,649	20,330	20,977	21,773
Sciences	14,826	15,428	16,167	16,462	16,828	17,365	17,975	18,852
Agricultural sciences	240	297	270	230	313	277	266	301
Biological sciences	1,709	1,882	2,008	2,163	2,171	2,244	2,264	2,369
Anatomy	40	39	34	41	38	35	35	26
Biochemistry	113	110	116	126	143	140	144	129
Biology	567	646	733	763	741	744	746	755
Biometry and epidemiology	108	138	145	160	181	185	159	171
Biophysics	17	21	18	17	18	17	16	17
Botany	52	35	64	88	59	55	42	48
Cell and molecular biology	66	74	85	107	116	110	129	137
Ecology	12	15	17	11	17	22	24	26
Entomology and parasitology	16	12	16	14	11	17	14	15
Genetics	45	36	32	37	43	50	55	54
Microbiology, immunology, and virology	129	150	171	194	172	186	192	178
Nutrition	150	192	179	196	213	218	213	231

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Pathology	39	28	30	39	44	49	43	50
Pharmacology	94	101	105	114	136	151	146	166
Physiology	99	99	95	101	95	78	103	98
Zoology	23	24	17	13	16	16	13	10
Other	139	162	151	142	128	171	190	258
Computer sciences	1,182	1,155	1,276	1,300	1,355	1,501	1,533	1,726
Earth, atmospheric, and ocean sciences	202	215	219	203	202	213	220	227
Atmospheric sciences	12	18	15	12	8	7	18	19
Earth	56	67	70	56	59	62	56	57
Ocean sciences	41	34	33	26	25	28	28	31
Other	93	96	101	109	110	116	118	120
Mathematics and statistics	673	689	711	657	613	594	569	591
Mathematics and applied mathematics	611	616	639	607	561	543	506	526
Statistics	62	73	72	50	52	51	63	65
Physical sciences	856	897	986	952	913	903	916	879
Astronomy	8	11	14	11	9	9	9	12
Chemistry	596	624	679	667	635	633	648	631
Physics	242	248	280	245	242	234	235	215
Other	10	14	13	29	27	27	24	21
Psychology	3,529	3,359	3,452	3,644	3,813	3,787	4,265	4,621
Clinical	632	602	652	736	725	710	756	751
General	1,395	1,455	1,443	1,544	1,507	1,405	1,475	1,724
Nonclinical	1,502	1,302	1,357	1,364	1,581	1,672	2,034	2,146
Social sciences	6,435	6,934	7,245	7,313	7,448	7,846	7,942	8,138
Agricultural economics	77	69	62	65	70	84	80	76
Anthropology (cultural and social)	209	215	251	254	266	291	278	274
Economics	370	399	371	324	317	291	323	314
Geography	124	98	109	83	108	92	90	114
History and philosophy of science	7	8	10	8	12	14	14	16
Linguistics	59	51	43	45	46	49	44	47
Political science and public administration	3,228	3,552	3,627	3,699	3,795	4,098	4,088	4,255
Sociology	943	957	1,019	1,053	1,114	1,061	996	999
Other	1,418	1,585	1,753	1,782	1,720	1,866	2,029	2,043
Engineering	2,784	2,857	2,899	2,879	2,821	2,965	3,002	2,921
Aerospace	61	51	47	35	34	52	57	45
Agricultural	16	20	17	21	27	23	23	26
Biomedical	61	72	84	83	86	104	114	121
Chemical	157	175	191	172	185	147	169	167
Civil	424	471	491	443	410	450	450	431
Electrical	861	821	777	871	872	885	831	813
Engineering science/physics	44	37	40	39	39	35	34	33
Industrial/manufacturing	514	541	535	489	465	541	577	591
Mechanical	398	403	417	428	412	375	398	354
Metallurgical and materials	89	88	104	112	75	92	94	107
Mining	2	2	0	0	1	1	5	1
Nuclear	22	23	16	21	13	15	17	13
Petroleum	7	5	2	8	5	5	7	4
Other	128	148	178	157	197	240	226	215
Hispanic								
S&E	13,273	14,112	14,571	14,984	15,485	16,533	17,220	17,983
Sciences	10,410	11,304	11,635	12,172	12,585	13,609	14,200	14,785
Agricultural sciences	268	289	374	408	387	417	433	422
Biological sciences	1,647	1,825	1,851	1,990	2,056	2,186	2,188	2,338
Anatomy	25	27	27	15	15	27	26	22
Biochemistry	115	122	111	148	141	152	143	171
Biology	553	617	621	694	691	676	710	700

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Biometry and epidemiology	100	116	123	137	160	161	165	148
Biophysics	10	14	14	17	14	17	13	20
Botany	56	41	55	50	56	49	40	44
Cell and molecular biology	106	113	111	113	122	152	155	180
Ecology	42	43	51	47	43	41	51	58
Entomology and parasitology	27	26	43	42	26	27	31	39
Genetics	34	39	34	42	51	58	57	67
Microbiology, immunology, and virology	150	167	164	170	187	201	196	220
Nutrition	142	144	163	155	172	186	152	162
Pathology	35	39	39	44	42	56	54	67
Pharmacology	80	74	76	85	88	92	112	113
Physiology	51	75	60	65	70	84	65	60
Zoology	43	47	39	30	36	31	28	29
Other	78	121	120	136	142	176	190	238
Computer sciences	631	664	700	723	754	872	872	901
Earth, atmospheric, and ocean sciences	339	365	374	399	370	400	355	397
Atmospheric sciences	14	10	11	12	13	7	12	15
Earth	140	152	141	161	137	154	136	155
Ocean sciences	88	99	106	116	108	132	113	137
Other	97	104	116	110	112	107	94	90
Mathematics and statistics	369	400	425	427	454	447	460	498
Mathematics and applied mathematics	331	369	376	386	404	399	413	458
Statistics	38	31	49	41	50	48	47	40
Physical sciences	675	731	742	782	832	895	846	896
Astronomy	16	16	13	11	12	13	17	17
Chemistry	442	485	504	523	562	618	602	629
Physics	211	219	216	237	226	229	204	239
Other	6	11	9	11	32	35	23	11
Psychology	2,485	2,799	2,937	3,075	3,228	3,575	4,154	4,323
Clinical	644	812	842	925	1,119	1,182	1,403	1,488
General	823	827	890	909	911	931	971	1,017
Nonclinical	1,018	1,160	1,205	1,241	1,198	1,462	1,780	1,818
Social sciences	3,996	4,231	4,232	4,368	4,504	4,817	4,892	5,010
Agricultural economics	52	55	60	53	42	36	39	40
Anthropology (cultural and social)	295	345	336	338	344	327	367	383
Economics	355	364	310	277	276	247	238	306
Geography	118	100	90	91	98	111	98	106
History and philosophy of science	5	4	8	10	12	22	17	18
Linguistics	158	138	131	157	150	135	142	126
Political science and public administration	1,786	1,927	1,895	1,926	1,989	2,166	2,304	2,171
Sociology	473	507	518	581	602	641	607	605
Other	754	791	884	935	991	1,132	1,080	1,255
Engineering	2,863	2,808	2,936	2,812	2,900	2,924	3,020	3,198
Aerospace	75	65	62	71	76	80	80	70
Agricultural	11	18	19	17	15	16	22	27
Biomedical	79	58	60	56	80	86	92	101
Chemical	171	202	200	142	179	182	181	180
Civil	551	593	712	694	723	701	779	746
Electrical	855	784	793	810	812	769	717	825
Engineering science/physics	38	31	55	41	42	44	36	40
Industrial/manufacturing	384	386	421	396	364	426	440	469
Mechanical	453	422	383	360	389	388	365	425
Metallurgical and materials	122	102	89	86	84	75	84	80
Mining	2	3	4	7	4	2	2	3

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Nuclear	26	21	20	22	22	28	30	34
Petroleum	14	21	13	10	6	5	59	63
Other	82	102	105	100	104	122	133	135
American Indian/Alaskan Native								
S&E	1,382	1,516	1,538	1,599	1,607	1,556	1,604	1,687
Sciences	1,141	1,286	1,304	1,360	1,371	1,314	1,395	1,460
Agricultural sciences	38	60	48	62	70	68	56	57
Biological sciences	183	205	200	197	192	186	188	205
Anatomy	1	1	4	3	3	3	4	4
Biochemistry	13	16	14	15	13	6	8	15
Biology	55	63	62	60	51	59	58	52
Biometry and epidemiology	11	13	9	11	7	6	11	11
Biophysics	1	2	0	1	1	1	1	1
Botany	11	6	4	3	3	4	3	9
Cell and molecular biology	11	12	8	9	11	9	12	10
Ecology	7	7	3	8	5	5	5	8
Entomology and parasitology	0	1	2	1	3	1	1	2
Genetics	0	1	4	6	4	4	6	7
Microbiology, immunology, and virology	19	16	14	10	18	15	21	13
Nutrition	11	17	14	12	16	15	13	15
Pathology	4	3	9	11	10	7	6	11
Pharmacology	11	17	8	5	6	14	8	10
Physiology	10	6	9	7	10	8	3	7
Zoology	7	11	18	12	9	7	7	8
Other	11	13	18	23	22	22	21	22
Computer sciences	44	56	54	60	92	75	81	88
Earth, atmospheric, and ocean sciences	48	52	65	82	84	63	61	70
Atmospheric sciences	3	4	3	2	2	2	3	4
Earth	29	27	31	38	36	26	27	32
Ocean sciences	6	8	12	17	16	12	10	12
Other	10	13	19	25	30	23	21	22
Mathematics and statistics	36	70	41	43	34	30	24	38
Mathematics and applied mathematics	31	57	36	40	30	26	19	34
Statistics	5	13	5	3	4	4	5	4
Physical sciences	67	76	60	70	64	69	75	81
Astronomy	3	3	2	1	2	2	1	0
Chemistry	46	43	45	50	46	53	61	62
Physics	16	30	13	18	14	13	12	19
Other	2	0	0	1	2	1	1	0
Psychology	317	330	359	341	311	303	362	336
Clinical	93	102	117	111	112	93	104	92
General	112	109	118	109	93	96	124	104
Nonclinical	112	119	124	121	106	114	134	140
Social sciences	408	437	477	505	524	520	548	585
Agricultural economics	5	5	5	3	5	7	7	4
Anthropology (cultural and social)	89	103	106	103	119	105	108	102
Economics	19	21	16	16	16	13	19	21
Geography	17	23	18	15	13	14	20	28
History and philosophy of science	1	1	0	1	1	2	2	2
Linguistics	7	9	4	7	9	15	13	13
Political science and public administration	145	140	154	155	172	177	175	190
Sociology	57	49	63	76	68	66	67	66
Other	68	86	111	129	121	121	137	159
Engineering	241	230	234	239	236	242	209	227
Aerospace	6	8	5	3	7	8	8	8
Agricultural	0	1	1	8	4	1	3	3



TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Biomedical	15	4	6	6	7	8	5	5
Chemical	18	21	31	18	21	16	20	13
Civil	38	42	48	58	43	56	39	43
Electrical	52	51	50	46	33	47	37	45
Engineering science/physics	4	5	3	4	7	6	8	9
Industrial/manufacturing	24	24	22	23	34	39	41	43
Mechanical	54	44	35	35	25	33	28	32
Metallurgical and materials	6	8	8	11	33	10	5	8
Mining	1	0	1	0	0	0	1	0
Nuclear	4	2	3	3	2	2	1	0
Petroleum	2	2	1	2	2	0	1	1
Other	17	18	20	22	18	16	12	17
Other race/ethnicity								
S&E	14,630	18,290	17,939	18,725	18,741	18,588	20,655	21,335
Sciences	10,275	13,417	13,369	14,239	14,559	14,755	16,355	17,007
Agricultural sciences	273	377	269	347	294	270	405	476
Biological sciences	1,432	1,816	1,792	2,102	2,218	2,396	2,426	2,499
Anatomy	34	22	18	32	36	19	15	13
Biochemistry	66	121	114	167	129	142	125	173
Biology	569	775	667	747	775	796	678	659
Biometry and epidemiology	52	67	97	126	227	175	162	181
Biophysics	3	14	36	41	71	38	40	32
Botany	40	52	54	57	64	60	73	82
Cell and molecular biology	43	82	66	117	128	191	264	286
Ecology	46	72	60	78	58	54	94	89
Entomology and parasitology	26	23	24	24	22	22	21	29
Genetics	16	36	45	34	32	99	129	101
Microbiology, immunology, and virology	99	95	104	132	143	267	255	246
Nutrition	131	119	134	97	98	103	134	162
Pathology	60	25	50	71	69	67	65	74
Pharmacology	63	71	46	52	57	54	51	53
Physiology	61	50	57	86	53	64	68	48
Zoology	37	34	13	29	73	39	51	44
Other	86	158	207	212	183	206	201	227
Computer sciences	1,441	1,972	2,004	2,303	2,237	2,378	2,845	2,977
Earth, atmospheric, and ocean sciences	373	473	477	530	581	480	450	451
Atmospheric sciences	16	14	13	62	31	30	28	28
Earth	189	254	248	256	282	231	223	203
Ocean sciences	59	53	75	54	86	54	55	71
Other	109	152	141	158	182	165	144	149
Mathematics and statistics	734	761	651	646	692	598	630	683
Mathematics and applied mathematics	626	684	595	594	614	534	554	582
Statistics	108	77	56	52	78	64	76	101
Physical sciences	799	1,020	865	1,001	1,050	973	1,057	1,292
Astronomy	25	43	21	17	45	27	34	41
Chemistry	471	585	484	604	551	500	496	523
Physics	294	387	351	373	402	334	399	622
Other	9	5	9	7	52	112	128	106
Psychology	2,235	3,322	3,317	3,425	3,378	3,567	3,627	3,282
Clinical	441	469	480	586	508	626	604	797
General	785	825	757	743	887	863	969	1,006
Nonclinical	1,009	2,028	2,080	2,096	1,983	2,078	2,054	1,479
Social sciences	2,988	3,676	3,994	3,885	4,109	4,093	4,915	5,347
Agricultural economics	36	69	38	47	60	28	43	72
Anthropology (cultural and social)	266	313	281	286	319	391	476	520
Economics	336	305	391	344	413	286	455	482

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Geography	156	172	180	189	250	203	210	178
History and philosophy of science	1	11	11	33	14	16	24	30
Linguistics	87	132	106	147	116	115	172	149
Political science and public administration	1,357	1,661	1,923	1,629	1,614	1,533	1,811	2,039
Sociology	252	360	289	303	305	320	410	371
Other	497	653	775	907	1,018	1,201	1,314	1,506
Engineering	4,355	4,873	4,570	4,486	4,182	3,833	4,300	4,328
Aerospace	87	82	85	63	72	87	92	108
Agricultural	14	18	19	43	27	22	27	22
Biomedical	62	73	74	112	113	84	78	201
Chemical	210	198	223	215	230	233	229	147
Civil	586	697	775	637	610	575	543	590
Electrical	1,453	1,535	1,436	1,624	1,497	1,266	1,595	1,544
Engineering science/physics	34	76	65	32	31	51	101	132
Industrial/manufacturing	884	1,055	757	578	599	522	585	563
Mechanical	721	752	657	602	590	465	576	510
Metallurgical and materials	113	118	93	198	127	86	85	107
Mining	14	12	49	9	15	4	3	5
Nuclear	9	7	14	6	5	7	3	7
Petroleum	11	6	0	8	2	3	50	48
Other	157	244	323	359	264	428	333	344
Temporary resident								
S&E	102,116	98,503	98,105	98,961	101,972	109,890	121,838	133,298
Sciences	65,110	63,019	63,049	62,455	64,183	68,387	75,082	81,388
Agricultural sciences	3,121	3,079	2,930	2,706	2,583	2,474	2,360	2,503
Biological sciences	12,789	12,190	11,460	11,146	11,403	11,218	11,764	12,385
Anatomy	229	244	212	211	190	194	210	209
Biochemistry	1,819	1,702	1,525	1,411	1,453	1,455	1,595	1,579
Biology	1,983	1,977	1,970	2,037	2,080	1,992	2,025	2,146
Biometry and epidemiology	601	578	563	511	677	710	786	851
Biophysics	211	208	175	171	166	154	204	261
Botany	822	782	707	692	673	647	627	612
Cell and molecular biology	888	846	843	846	862	857	982	1,077
Ecology	174	162	162	169	171	174	184	192
Entomology and parasitology	364	373	318	290	291	302	280	275
Genetics	362	353	387	418	394	379	376	416
Microbiology, immunology, and virology	1,304	1,185	1,063	979	960	943	939	1,004
Nutrition	1,252	1,254	1,161	1,109	1,071	1,064	1,111	1,160
Pathology	363	342	330	294	288	295	303	293
Pharmacology	653	547	573	553	576	569	624	648
Physiology	593	528	448	423	438	454	446	431
Zoology	301	245	224	191	190	159	194	224
Other	870	864	799	841	923	870	878	1,007
Computer sciences	11,062	10,795	11,847	12,917	14,422	17,155	22,140	25,749
Earth, atmospheric, and ocean sciences	3,264	2,947	2,766	2,515	2,499	2,520	2,692	2,761
Atmospheric sciences	265	266	283	291	255	274	304	274
Earth	1,749	1,543	1,457	1,293	1,244	1,224	1,302	1,345
Ocean sciences	722	621	557	507	533	516	526	514
Other	528	517	469	424	467	506	560	628
Mathematics and statistics	6,063	5,809	5,761	5,544	5,421	5,927	6,034	6,470
Mathematics and applied mathematics	4,956	4,692	4,696	4,506	4,380	4,660	4,654	4,847
Statistics	1,107	1,117	1,065	1,038	1,041	1,267	1,380	1,623
Physical sciences	11,709	11,409	11,178	10,895	10,738	11,132	11,563	11,993
Astronomy	262	232	216	185	213	239	271	283
Chemistry	6,412	6,414	6,275	6,112	6,025	6,085	6,156	6,386

TABLE D-1. S&amp;E graduate students, by field, citizenship, and race/ethnicity: 1994–2001

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Field, citizenship, and race/ethnicity	1994	1995	1996	1997	1998	1999	2000	2001
Physics	4,947	4,680	4,630	4,539	4,430	4,729	5,058	5,230
Other	88	83	57	59	70	79	78	94
Psychology	2,343	2,087	1,973	2,008	2,186	2,239	2,260	2,513
Clinical	379	329	304	335	363	396	390	425
General	794	730	663	667	695	720	808	928
Nonclinical	1,170	1,028	1,006	1,006	1,128	1,123	1,062	1,160
Social sciences	14,759	14,703	15,134	14,724	14,931	15,722	16,269	17,014
Agricultural economics	940	999	900	920	904	925	1,014	1,052
Anthropology (cultural and social)	787	694	690	702	739	823	823	769
Economics	5,277	5,388	5,521	5,383	5,240	5,533	5,780	6,247
Geography	500	498	482	524	559	598	624	722
History and philosophy of science	56	46	50	67	67	59	69	70
Linguistics	1,012	997	1,002	982	1,023	962	960	962
Political science and public administration	3,413	3,378	3,543	3,426	3,552	3,919	4,152	4,252
Sociology	1,335	1,208	1,131	1,161	1,109	1,176	1,246	1,306
Other	1,439	1,495	1,815	1,559	1,738	1,727	1,601	1,634
Engineering	37,006	35,484	35,056	36,506	37,789	41,503	46,756	51,910
Aerospace	1,239	1,186	1,273	1,318	1,417	1,532	1,513	1,604
Agricultural	494	483	472	420	406	408	386	410
Biomedical	822	737	705	710	728	867	960	1,134
Chemical	3,027	2,969	2,887	2,864	2,885	3,014	3,295	3,413
Civil	5,958	5,659	5,265	5,103	4,962	5,425	6,114	6,543
Electrical	11,408	11,217	11,370	12,645	13,801	15,100	17,798	19,973
Engineering science/physics	623	519	493	448	552	534	677	744
Industrial/manufacturing	3,588	3,352	3,326	3,341	3,352	3,730	4,438	5,323
Mechanical	5,821	5,458	5,483	5,694	5,650	6,196	6,906	7,541
Metallurgical and materials	1,974	1,927	1,920	1,967	2,010	2,043	2,112	2,336
Mining	192	171	134	125	76	109	132	104
Nuclear	412	380	310	303	294	332	335	356
Petroleum	384	370	361	412	448	494	362	413
Other	1,064	1,056	1,057	1,156	1,208	1,719	1,728	2,016

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.