

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1998–2005

Field and sex	1998	1999	2000	2001	2002	2003	2004	2005
S&E	74,373	75,447	78,332	82,411	86,827	89,331	86,580	89,183
Science	55,112	54,934	56,141	59,105	62,220	64,902	64,555	66,810
Agricultural sciences	2,299	2,253	2,335	2,338	2,320	2,424	2,316	2,260
Biological sciences	11,335	10,959	10,955	11,608	12,127	12,719	12,796	12,896
Anatomy	180	161	198	159	193	178	180	213
Biochemistry	1,022	896	929	851	880	958	907	930
Biology	2,498	2,521	2,282	2,376	2,532	2,610	2,740	2,826
Biometry/epidemiology	815	825	837	953	1,001	1,022	986	1,069
Biophysics	158	118	128	162	166	223	210	174
Botany	409	363	357	315	335	307	336	316
Cell/molecular biology	903	867	977	993	1,085	1,125	1,140	1,186
Ecology	261	251	280	348	317	345	302	314
Entomology/parasitology	233	179	185	202	203	175	211	153
Genetics	397	427	380	382	362	373	441	365
Microbiology, immunology, and virology	857	904	823	884	914	909	889	868
Nutrition	940	834	830	906	890	895	843	863
Pathology	279	320	276	320	294	256	277	248
Pharmacology	513	487	549	507	554	552	510	466
Physiology	654	608	570	615	633	760	731	678
Zoology	274	263	230	247	231	258	212	199
Other	942	935	1,124	1,388	1,537	1,773	1,881	2,028
Computer sciences	5,758	6,677	8,431	9,077	9,037	8,134	7,783	8,258
Earth, atmospheric, and ocean sciences	2,859	2,746	2,649	2,794	3,085	3,104	2,926	2,777
Atmospheric	189	203	222	205	213	268	228	228
Earth	1,348	1,296	1,230	1,383	1,437	1,412	1,336	1,327
Ocean	471	474	479	511	533	567	534	463
Other	851	773	718	695	902	857	828	759
Mathematics and statistics	3,334	3,271	3,419	3,686	3,918	4,185	4,252	4,196
Mathematics/applied mathematics	2,721	2,650	2,757	2,892	3,114	3,266	3,365	3,263
Statistics	613	621	662	794	804	919	887	933
Physical sciences	5,932	6,004	5,829	6,011	6,280	6,841	6,603	6,657
Astronomy	162	171	183	193	194	225	210	190
Chemistry	3,682	3,672	3,482	3,651	3,746	3,983	3,862	3,904
Physics	2,046	2,074	2,101	2,102	2,231	2,543	2,442	2,458
Other	42	87	63	65	109	90	89	105
Psychology	8,590	8,305	7,545	7,691	8,420	8,858	9,478	10,377
Clinical	2,001	1,992	1,829	1,731	1,898	1,986	2,251	2,318
General	3,060	2,745	2,534	2,652	2,657	3,009	2,979	3,416
Nonclinical	3,529	3,568	3,182	3,308	3,865	3,863	4,248	4,643
Social sciences	15,005	14,719	14,978	15,900	17,033	18,637	18,401	19,389
Agricultural economics	417	482	455	496	575	536	523	557
Anthropology (cultural and social)	1,219	1,193	1,157	1,119	1,177	1,279	1,187	1,257
Economics	2,352	2,355	2,508	2,562	2,843	2,921	2,686	2,676
Geography	805	830	784	872	812	915	860	898
History and philosophy of science	89	91	78	72	97	107	107	138
Linguistics	493	422	454	495	466	588	570	633
Political science and public administration	4,953	4,837	5,142	5,562	6,241	6,950	7,348	7,810
Sociology	1,428	1,307	1,300	1,431	1,535	1,543	1,359	1,504
Other	3,249	3,202	3,100	3,291	3,287	3,798	3,761	3,916
Engineering	19,261	20,513	22,191	23,306	24,607	24,429	22,025	22,373
Aerospace	717	727	775	767	712	845	834	804
Agricultural	175	212	188	192	201	197	177	190
Biomedical	675	724	915	884	1,125	1,327	1,274	1,267
Chemical	1,503	1,491	1,595	1,541	1,616	1,600	1,392	1,293
Civil	3,785	3,726	3,840	3,820	4,107	4,363	4,175	4,057
Electrical	5,741	6,369	7,195	7,882	8,221	7,834	6,633	6,987
Engineering science/physics	308	255	299	339	404	392	361	317
Industrial/manufacturing	1,547	1,851	2,005	2,216	2,238	2,029	1,724	1,674
Mechanical	2,923	3,119	3,269	3,583	3,709	3,476	3,129	3,225

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1998–2005

Field and sex	1998	1999	2000	2001	2002	2003	2004	2005
Metallurgical/materials	900	892	1,005	975	1,044	958	926	992
Mining	44	45	48	40	41	73	64	58
Nuclear	153	150	163	164	149	177	192	193
Petroleum	132	149	149	153	198	166	151	161
Other	658	803	745	750	842	992	993	1,155
Female	30,494	31,113	32,155	34,229	37,023	38,824	38,192	39,351
Science	26,630	26,860	27,336	29,181	31,334	32,778	32,815	34,009
Agricultural sciences	1,043	1,018	1,156	1,172	1,160	1,247	1,167	1,204
Biological sciences	6,038	5,944	6,118	6,647	7,012	7,357	7,538	7,439
Anatomy	92	77	115	90	110	106	100	103
Biochemistry	463	413	451	434	457	461	465	494
Biology	1,297	1,349	1,224	1,339	1,455	1,501	1,611	1,534
Biometry/epidemiology	508	521	535	627	613	627	605	671
Biophysics	40	41	43	45	75	85	79	62
Botany	224	188	195	171	199	168	197	185
Cell/molecular biology	449	455	516	526	572	622	627	639
Ecology	123	138	153	199	173	220	174	199
Entomology/parasitology	84	64	101	92	91	88	107	73
Genetics	256	262	245	244	239	254	294	261
Microbiology, immunology, and virology	458	487	443	514	535	530	549	512
Nutrition	722	649	650	717	714	724	692	709
Pathology	157	175	173	202	184	168	177	158
Pharmacology	274	270	293	291	329	309	280	252
Physiology	258	251	257	291	296	391	385	359
Zoology	133	123	108	132	127	134	125	104
Other	500	481	616	733	843	969	1,071	1,124
Computer sciences	1,517	1,797	2,234	2,389	2,308	2,017	1,864	1,952
Earth, atmospheric, and ocean sciences	1,264	1,278	1,211	1,315	1,459	1,559	1,442	1,420
Atmospheric	49	71	68	87	73	100	90	85
Earth	547	543	513	586	612	655	607	650
Ocean	242	244	254	271	278	331	310	251
Other	426	420	376	371	496	473	435	434
Mathematics and statistics	1,238	1,257	1,282	1,442	1,525	1,606	1,571	1,489
Mathematics/applied mathematics	965	961	945	1,030	1,131	1,175	1,160	1,077
Statistics	273	296	337	412	394	431	411	412
Physical sciences	1,724	1,921	1,899	1,924	2,220	2,342	2,271	2,270
Astronomy	46	46	62	53	76	85	71	70
Chemistry	1,294	1,434	1,401	1,395	1,624	1,667	1,653	1,599
Physics	371	409	408	450	462	555	504	548
Other	13	32	28	26	58	35	43	53
Psychology	6,172	6,022	5,601	5,848	6,390	6,694	7,175	7,922
Clinical	1,435	1,485	1,410	1,303	1,477	1,552	1,748	1,811
General	2,140	1,902	1,820	1,962	1,928	2,188	2,116	2,455
Nonclinical	2,597	2,635	2,371	2,583	2,985	2,954	3,311	3,656
Social sciences	7,634	7,623	7,835	8,444	9,260	9,956	9,787	10,313
Agricultural economics	157	193	195	203	254	225	214	249
Anthropology (cultural and social)	724	734	710	702	771	843	786	828
Economics	847	810	976	936	1,107	1,102	1,006	960
Geography	317	363	321	378	354	389	365	376
History and philosophy of science	38	41	31	31	43	43	45	73
Linguistics	329	275	286	327	304	380	375	413
Political science and public administration	2,418	2,503	2,634	2,962	3,496	3,736	3,900	4,151
Sociology	922	852	857	957	1,010	1,020	886	953
Other	1,882	1,852	1,825	1,948	1,921	2,218	2,210	2,310
Engineering	3,864	4,253	4,819	5,048	5,689	6,046	5,377	5,342
Aerospace	89	96	127	111	120	131	150	128
Agricultural	52	82	67	71	67	71	68	61
Biomedical	217	241	345	323	459	519	521	493

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1998–2005

Field and sex	1998	1999	2000	2001	2002	2003	2004	2005
Chemical	386	382	398	400	474	501	412	402
Civil	1,015	1,066	1,175	1,098	1,238	1,441	1,321	1,280
Electrical	926	1,112	1,247	1,558	1,712	1,666	1,281	1,327
Engineering science/physics	68	48	72	71	89	99	89	74
Industrial/manufacturing	313	349	459	443	476	530	453	462
Mechanical	350	390	432	478	482	516	461	477
Metallurgical/materials	251	248	243	262	297	261	258	273
Mining	9	10	11	7	9	14	5	7
Nuclear	29	35	43	40	26	40	51	48
Petroleum	15	21	25	23	34	31	31	24
Other	144	173	175	163	206	226	276	286
Male	43,879	44,334	46,177	48,182	49,804	50,507	48,388	49,832
Science	28,482	28,074	28,805	29,924	30,886	32,124	31,740	32,801
Agricultural sciences	1,256	1,235	1,179	1,166	1,160	1,177	1,149	1,056
Biological sciences	5,297	5,015	4,837	4,961	5,115	5,362	5,258	5,457
Anatomy	88	84	83	69	83	72	80	110
Biochemistry	559	483	478	417	423	497	442	436
Biology	1,201	1,172	1,058	1,037	1,077	1,109	1,129	1,292
Biometry/epidemiology	307	304	302	326	388	395	381	398
Biophysics	118	77	85	117	91	138	131	112
Botany	185	175	162	144	136	139	139	131
Cell/molecular biology	454	412	461	467	513	503	513	547
Ecology	138	113	127	149	144	125	128	115
Entomology/parasitology	149	115	84	110	112	87	104	80
Genetics	141	165	135	138	123	119	147	104
Microbiology, immunology, and virology	399	417	380	370	379	379	340	356
Nutrition	218	185	180	189	176	171	151	154
Pathology	122	145	103	118	110	88	100	90
Pharmacology	239	217	256	216	225	243	230	214
Physiology	396	357	313	324	337	369	346	319
Zoology	141	140	122	115	104	124	87	95
Other	442	454	508	655	694	804	810	904
Computer sciences	4,241	4,880	6,197	6,688	6,729	6,117	5,919	6,306
Earth, atmospheric, and ocean sciences	1,595	1,468	1,438	1,479	1,626	1,545	1,484	1,357
Atmospheric	140	132	154	118	140	168	138	143
Earth	801	753	717	797	825	757	729	677
Ocean	229	230	225	240	255	236	224	212
Other	425	353	342	324	406	384	393	325
Mathematics and statistics	2,096	2,014	2,137	2,244	2,393	2,579	2,681	2,707
Mathematics/applied mathematics	1,756	1,689	1,812	1,862	1,983	2,091	2,205	2,186
Statistics	340	325	325	382	410	488	476	521
Physical sciences	4,208	4,083	3,930	4,087	4,060	4,499	4,332	4,387
Astronomy	116	125	121	140	118	140	139	120
Chemistry	2,388	2,238	2,081	2,256	2,122	2,316	2,209	2,305
Physics	1,675	1,665	1,693	1,652	1,769	1,988	1,938	1,910
Other	29	55	35	39	51	55	46	52
Psychology	2,418	2,283	1,944	1,843	2,030	2,164	2,303	2,455
Clinical	566	507	419	428	421	434	503	507
General	920	843	714	690	729	821	863	961
Nonclinical	932	933	811	725	880	909	937	987
Social sciences	7,371	7,096	7,143	7,456	7,773	8,681	8,614	9,076
Agricultural economics	260	289	260	293	321	311	309	308
Anthropology (cultural and social)	495	459	447	417	406	436	401	429
Economics	1,505	1,545	1,532	1,626	1,736	1,819	1,680	1,716
Geography	488	467	463	494	458	526	495	522
History and philosophy of science	51	50	47	41	54	64	62	65
Linguistics	164	147	168	168	162	208	195	220
Political science and public administration	2,535	2,334	2,508	2,600	2,745	3,214	3,448	3,659

TABLE D-4. First-time enrollment of full-time S&E graduate students, by field and sex: 1998–2005

Field and sex	1998	1999	2000	2001	2002	2003	2004	2005
Sociology	506	455	443	474	525	523	473	551
Other	1,367	1,350	1,275	1,343	1,366	1,580	1,551	1,606
Engineering	15,397	16,260	17,372	18,258	18,918	18,383	16,648	17,031
Aerospace	628	631	648	656	592	714	684	676
Agricultural	123	130	121	121	134	126	109	129
Biomedical	458	483	570	561	666	808	753	774
Chemical	1,117	1,109	1,197	1,141	1,142	1,099	980	891
Civil	2,770	2,660	2,665	2,722	2,869	2,922	2,854	2,777
Electrical	4,815	5,257	5,948	6,324	6,509	6,168	5,352	5,660
Engineering science/physics	240	207	227	268	315	293	272	243
Industrial/manufacturing	1,234	1,502	1,546	1,773	1,762	1,499	1,271	1,212
Mechanical	2,573	2,729	2,837	3,105	3,227	2,960	2,668	2,748
Metallurgical/materials	649	644	762	713	747	697	668	719
Mining	35	35	37	33	32	59	59	51
Nuclear	124	115	120	124	123	137	141	145
Petroleum	117	128	124	130	164	135	120	137
Other	514	630	570	587	636	766	717	869

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 1998–2005.