

TABLE 3-4

Enrollment status of S&E graduate students, by field and sex: 2016

(Number)

Field	All S&E graduate students			Female			Male		
	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
S&E	620,489	462,973	157,516	261,575	193,877	67,698	358,914	269,096	89,818
Science	452,046	334,770	117,276	220,220	161,197	59,023	231,826	173,573	58,253
Agricultural sciences	18,284	12,806	5,478	9,560	6,811	2,749	8,724	5,995	2,729
Biological sciences	79,146	65,549	13,597	45,218	36,684	8,534	33,928	28,865	5,063
Anatomy	448	424	24	246	232	14	202	192	10
Biochemistry	4,481	4,060	421	2,184	1,978	206	2,297	2,082	215
Biology	16,380	11,800	4,580	9,330	6,458	2,872	7,050	5,342	1,708
Biometry and epidemiology	9,007	7,035	1,972	5,345	4,155	1,190	3,662	2,880	782
Biophysics	941	923	18	323	316	7	618	607	11
Botany and plant biology	1,820	1,650	170	906	821	85	914	829	85
Cell and molecular biology	6,535	6,073	462	3,577	3,318	259	2,958	2,755	203
Ecology	1,396	1,048	348	782	589	193	614	459	155
Entomology and parasitology	1,171	1,032	139	581	509	72	590	523	67
Genetics	2,404	2,330	74	1,418	1,375	43	986	955	31
Microbiology, immunology, and virology	4,615	4,185	430	2,644	2,411	233	1,971	1,774	197
Nutrition	5,401	3,601	1,800	4,387	2,859	1,528	1,014	742	272
Pathology	998	954	44	586	556	30	412	398	14
Pharmacology and toxicology	2,873	2,519	354	1,595	1,393	202	1,278	1,126	152
Physiology	4,024	3,682	342	2,055	1,878	177	1,969	1,804	165
Zoology	815	634	181	466	354	112	349	280	69
Biosciences nec	15,837	13,599	2,238	8,793	7,482	1,311	7,044	6,117	927
Communication	12,347	7,502	4,845	8,200	4,914	3,286	4,147	2,588	1,559
Computer sciences	92,650	63,361	29,289	26,921	19,080	7,841	65,729	44,281	21,448
Earth, atmospheric, and ocean sciences	15,015	11,792	3,223	6,916	5,497	1,419	8,099	6,295	1,804
Atmospheric sciences	1,399	1,185	214	533	465	68	866	720	146
Geosciences	8,610	6,801	1,809	3,554	2,887	667	5,056	3,914	1,142
Ocean sciences	2,743	2,218	525	1,603	1,287	316	1,140	931	209
Earth, atmospheric, and ocean sciences nec	2,263	1,588	675	1,226	858	368	1,037	730	307
Family and consumer sciences and human sciences	3,750	2,310	1,440	3,120	1,886	1,234	630	424	206
Mathematics and statistics	28,050	22,171	5,879	10,191	7,833	2,358	17,859	14,338	3,521
Mathematics and applied mathematics	20,028	15,820	4,208	6,727	5,024	1,703	13,301	10,796	2,505
Statistics	8,022	6,351	1,671	3,464	2,809	655	4,558	3,542	1,016
Multidisciplinary and interdisciplinary studies	9,251	6,236	3,015	4,497	3,071	1,426	4,754	3,165	1,589
Neurobiology and neuroscience	5,226	4,922	304	2,791	2,596	195	2,435	2,326	109
Physical sciences	40,518	36,536	3,982	13,240	11,861	1,379	27,278	24,675	2,603
Astronomy and astrophysics	1,353	1,309	44	482	463	19	871	846	25
Chemistry	22,676	20,423	2,253	9,277	8,262	1,015	13,399	12,161	1,238
Physics	15,764	14,298	1,466	3,204	2,936	268	12,560	11,362	1,198
Physical sciences nec	725	506	219	277	200	77	448	306	142
Psychology	47,609	34,530	13,079	35,492	25,575	9,917	12,117	8,955	3,162
Clinical psychology	8,356	6,690	1,666	6,473	5,198	1,275	1,883	1,492	391
Psychology, general	12,318	9,806	2,512	8,633	6,828	1,805	3,685	2,978	707
Psychology nec	26,935	18,034	8,901	20,386	13,549	6,837	6,549	4,485	2,064
Social sciences	100,200	67,055	33,145	54,074	35,389	18,685	46,126	31,666	14,460
Agricultural economics	1,756	1,454	302	770	650	120	986	804	182
Anthropology	7,309	5,752	1,557	4,806	3,788	1,018	2,503	1,964	539
Economics (except agricultural)	14,488	12,294	2,194	5,313	4,538	775	9,175	7,756	1,419
Geography	4,315	3,045	1,270	1,924	1,417	507	2,391	1,628	763
History and philosophy of science	379	344	35	185	169	16	194	175	19
Linguistics	3,149	2,339	810	1,914	1,358	556	1,235	981	254

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	Total	Full time	Part time	Total	Full time	Part time	Total	Full time	Part time
Political science and government	45,213	26,232	18,981	24,392	13,691	10,701	20,821	12,541	8,280
Sociology	8,023	6,303	1,720	5,048	3,900	1,148	2,975	2,403	572
Sociology and anthropology	208	156	52	145	109	36	63	47	16
Social sciences nec	15,360	9,136	6,224	9,577	5,769	3,808	5,783	3,367	2,416
Engineering	168,443	128,203	40,240	41,355	32,680	8,675	127,088	95,523	31,565
Aerospace engineering	5,416	4,081	1,335	794	589	205	4,622	3,492	1,130
Agricultural engineering	1,626	1,329	297	649	539	110	977	790	187
Architecture	1,671	1,509	162	804	727	77	867	782	85
Biomedical engineering	10,208	9,136	1,072	4,207	3,774	433	6,001	5,362	639
Chemical engineering	10,187	9,002	1,185	3,273	2,898	375	6,914	6,104	810
Civil engineering	20,569	15,183	5,386	6,200	4,792	1,408	14,369	10,391	3,978
Electrical engineering	50,062	38,158	11,904	10,880	8,558	2,322	39,182	29,600	9,582
Engineering science, mechanics, and physics	1,756	1,318	438	407	308	99	1,349	1,010	339
Industrial and manufacturing engineering	16,200	10,582	5,618	4,125	2,750	1,375	12,075	7,832	4,243
Mechanical engineering	27,898	20,924	6,974	4,128	3,212	916	23,770	17,712	6,058
Metallurgical and materials engineering	8,106	7,149	957	2,479	2,179	300	5,627	4,970	657
Mining engineering	378	287	91	74	53	21	304	234	70
Nuclear engineering	1,466	1,229	237	242	212	30	1,224	1,017	207
Petroleum engineering	1,862	1,461	401	366	295	71	1,496	1,166	330
Engineering nec	11,038	6,855	4,183	2,727	1,794	933	8,311	5,061	3,250

nec = not elsewhere classified; S&E = science and engineering.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2016.