

TABLE 3-5. Enrollment status of S&E graduate students, by field, citizenship, ethnicity, and race: 2014

Field and enrollment status	U.S. citizens and permanent residents										
	Total	Not Hispanic or Latino								Unknown ethnicity and race	Temporary visa holders
		Hispanic or Latino ^a	American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race			
S&E	601,883	35,132	2,112	33,745	30,482	902	245,103	9,335	25,701	219,371	
Full time	447,096	22,523	1,365	23,456	16,339	532	167,212	6,618	15,841	193,210	
Part time	154,787	12,609	747	10,289	14,143	370	77,891	2,717	9,860	26,161	
Science	437,395	28,605	1,826	24,039	26,768	784	198,185	7,697	20,595	128,896	
Full time	322,714	18,637	1,207	17,031	14,276	475	137,876	5,481	13,116	114,615	
Part time	114,681	9,968	619	7,008	12,492	309	60,309	2,216	7,479	14,281	
Agricultural sciences	17,505	931	119	405	551	33	10,610	319	636	3,901	
Full time	12,319	663	75	272	323	15	6,864	236	415	3,456	
Part time	5,186	268	44	133	228	18	3,746	83	221	445	
Biological sciences	78,490	5,001	307	6,606	4,021	191	39,605	1,496	3,737	17,526	
Full time	64,638	4,020	258	5,529	2,969	158	31,667	1,218	2,701	16,118	
Part time	13,852	981	49	1,077	1,052	33	7,938	278	1,036	1,408	
Anatomy	554	41	2	34	31	1	293	5	32	115	
Full time	519	36	2	32	29	1	273	5	30	111	
Part time	35	5	0	2	2	0	20	0	2	4	
Biochemistry	5,025	280	17	420	142	14	2,366	70	174	1,542	
Full time	4,592	253	16	382	120	11	2,164	64	131	1,451	
Part time	433	27	1	38	22	3	202	6	43	91	
Biology	16,697	1,254	58	1,033	896	27	8,890	310	886	3,343	
Full time	12,255	925	42	778	579	22	6,202	213	559	2,935	
Part time	4,442	329	16	255	317	5	2,688	97	327	408	
Biometry and epidemiology	8,326	414	20	931	507	28	3,365	165	370	2,526	
Full time	6,474	298	16	642	287	23	2,502	127	249	2,330	
Part time	1,852	116	4	289	220	5	863	38	121	196	
Biophysics	877	41	2	71	19	2	447	14	28	253	
Full time	849	40	2	69	19	2	437	14	23	243	
Part time	28	1	0	2	0	0	10	0	5	10	
Botany and plant biology	1,877	92	16	93	28	5	956	48	60	579	
Full time	1,669	87	9	85	22	5	833	39	51	538	
Part time	208	5	7	8	6	0	123	9	9	41	
Cell and molecular biology	6,214	380	27	641	206	15	2,853	115	214	1,763	
Full time	5,819	355	26	591	190	14	2,667	104	182	1,690	
Part time	395	25	1	50	16	1	186	11	32	73	

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Ecology	1,416	54	8	34	18	4	975	31	117	175	
Full time	1,032	42	7	28	13	1	692	19	78	152	
Part time	384	12	1	6	5	3	283	12	39	23	
Entomology and parasitology	1,304	71	3	57	26	0	799	19	50	279	
Full time	1,106	52	2	50	23	0	670	14	34	261	
Part time	198	19	1	7	3	0	129	5	16	18	
Genetics	2,411	131	8	175	74	5	1,322	48	83	565	
Full time	2,343	128	8	168	68	5	1,282	47	82	555	
Part time	68	3	0	7	6	0	40	1	1	10	
Microbiology, immunology, and virology	4,670	326	30	418	219	7	2,464	77	173	956	
Full time	4,345	301	29	395	210	7	2,266	73	147	917	
Part time	325	25	1	23	9	0	198	4	26	39	
Nutrition	5,868	353	26	404	300	9	3,537	103	269	867	
Full time	3,780	208	15	299	181	3	2,124	87	147	716	
Part time	2,088	145	11	105	119	6	1,413	16	122	151	
Pathology	1,036	73	3	74	51	8	503	27	37	260	
Full time	1,013	69	3	71	51	7	493	27	37	255	
Part time	23	4	0	3	0	1	10	0	0	5	
Pharmacology and toxicology	2,916	150	10	254	206	10	1,358	66	66	796	
Full time	2,594	135	9	227	167	10	1,185	60	55	746	
Part time	322	15	1	27	39	0	173	6	11	50	
Physiology	3,415	186	17	375	215	2	1,815	45	99	661	
Full time	3,158	170	16	344	182	2	1,688	39	91	626	
Part time	257	16	1	31	33	0	127	6	8	35	
Zoology	1,093	40	2	28	11	4	790	30	67	121	
Full time	708	24	2	24	4	2	488	17	38	109	
Part time	385	16	0	4	7	2	302	13	29	12	
Biosciences nec	14,791	1,115	58	1,564	1,072	50	6,872	323	1,012	2,725	
Full time	12,382	897	54	1,344	824	43	5,701	269	767	2,483	
Part time	2,409	218	4	220	248	7	1,171	54	245	242	
Communication	11,942	928	48	381	1,126	19	6,486	227	512	2,215	
Full time	7,544	556	23	257	597	8	3,774	143	284	1,902	
Part time	4,398	372	25	124	529	11	2,712	84	228	313	

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Computer sciences	76,546	2,147	103	4,360	3,517	68	16,295	707	2,433	46,916	
Full time	52,069	801	49	2,127	1,000	17	6,920	322	996	39,837	
Part time	24,477	1,346	54	2,233	2,517	51	9,375	385	1,437	7,079	
Earth, atmospheric, and ocean sciences	15,710	913	83	495	299	8	9,550	276	768	3,318	
Full time	12,462	641	64	389	204	5	7,307	221	590	3,041	
Part time	3,248	272	19	106	95	3	2,243	55	178	277	
Atmospheric sciences	1,466	70	2	47	25	0	857	14	59	392	
Full time	1,262	61	1	39	18	0	717	10	50	366	
Part time	204	9	1	8	7	0	140	4	9	26	
Geosciences	8,821	438	52	246	142	7	5,410	157	435	1,934	
Full time	6,911	321	39	181	97	4	4,045	119	332	1,773	
Part time	1,910	117	13	65	45	3	1,365	38	103	161	
Ocean sciences	2,666	162	13	81	28	1	1,735	67	135	444	
Full time	2,169	123	12	64	21	1	1,367	61	109	411	
Part time	497	39	1	17	7	0	368	6	26	33	
Earth, atmospheric, and ocean sciences nec	2,757	243	16	121	104	0	1,548	38	139	548	
Full time	2,120	136	12	105	68	0	1,178	31	99	491	
Part time	637	107	4	16	36	0	370	7	40	57	
Family and consumer sciences and human sciences	4,302	318	21	160	661	8	2,371	84	213	466	
Full time	2,577	196	8	108	308	4	1,430	52	79	392	
Part time	1,725	122	13	52	353	4	941	32	134	74	
Mathematics and statistics	25,874	1,057	44	1,645	735	26	9,552	327	1,054	11,434	
Full time	20,445	650	28	1,078	421	18	6,717	267	685	10,581	
Part time	5,429	407	16	567	314	8	2,835	60	369	853	
Mathematics and applied mathematics	18,863	901	37	1,129	615	24	7,728	251	803	7,375	
Full time	14,785	553	24	769	351	17	5,550	206	513	6,802	
Part time	4,078	348	13	360	264	7	2,178	45	290	573	
Statistics	7,011	156	7	516	120	2	1,824	76	251	4,059	
Full time	5,660	97	4	309	70	1	1,167	61	172	3,779	
Part time	1,351	59	3	207	50	1	657	15	79	280	
Multidisciplinary and interdisciplinary studies	7,196	459	35	421	503	14	3,508	140	465	1,651	
Full time	4,862	307	25	269	290	10	2,171	98	252	1,440	
Part time	2,334	152	10	152	213	4	1,337	42	213	211	

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Neurobiology and neuroscience	4,923	346	20	467	163	6	2,806	111	205	799	
Full time	4,703	332	20	452	154	6	2,688	101	193	757	
Part time	220	14	0	15	9	0	118	10	12	42	
Physical sciences	40,332	1,707	88	2,049	966	37	17,881	575	1,373	15,656	
Full time	36,266	1,459	71	1,787	739	30	15,890	507	1,108	14,675	
Part time	4,066	248	17	262	227	7	1,991	68	265	981	
Astronomy	1,241	44	5	68	11	0	724	21	42	326	
Full time	1,219	44	5	66	10	0	710	20	40	324	
Part time	22	0	0	2	1	0	14	1	2	2	
Chemistry	22,936	1,033	48	1,358	733	19	10,094	348	715	8,588	
Full time	20,565	893	37	1,162	558	17	8,992	311	576	8,019	
Part time	2,371	140	11	196	175	2	1,102	37	139	569	
Physics	15,564	588	35	604	199	17	6,787	189	601	6,544	
Full time	14,047	499	29	543	155	13	5,990	163	488	6,167	
Part time	1,517	89	6	61	44	4	797	26	113	377	
Physical sciences nec	591	42	0	19	23	1	276	17	15	198	
Full time	435	23	0	16	16	0	198	13	4	165	
Part time	156	19	0	3	7	1	78	4	11	33	
Psychology	48,833	5,765	287	2,400	3,841	100	28,840	1,201	3,434	2,965	
Full time	34,683	3,808	195	1,675	2,201	65	20,912	844	2,473	2,510	
Part time	14,150	1,957	92	725	1,640	35	7,928	357	961	455	
Clinical psychology	8,781	1,230	45	449	516	18	5,006	184	1,003	330	
Full time	7,057	1,000	37	356	393	12	4,044	131	801	283	
Part time	1,724	230	8	93	123	6	962	53	202	47	
Psychology, general	12,643	1,289	70	669	842	26	7,849	308	668	922	
Full time	9,902	940	51	526	511	17	6,282	229	513	833	
Part time	2,741	349	19	143	331	9	1,567	79	155	89	
Psychology nec	27,409	3,246	172	1,282	2,483	56	15,985	709	1,763	1,713	
Full time	17,724	1,868	107	793	1,297	36	10,586	484	1,159	1,394	
Part time	9,685	1,378	65	489	1,186	20	5,399	225	604	319	
Social sciences	105,742	9,033	671	4,650	10,385	274	50,681	2,234	5,765	22,049	
Full time	70,146	5,204	391	3,088	5,070	139	31,536	1,472	3,340	19,906	
Part time	35,596	3,829	280	1,562	5,315	135	19,145	762	2,425	2,143	

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Agricultural economics	1,931	58	5	50	41	0	779	15	57	926	
Full time	1,598	41	2	38	30	0	581	13	45	848	
Part time	333	17	3	12	11	0	198	2	12	78	
Anthropology	7,955	577	106	240	233	33	4,983	225	555	1,003	
Full time	6,248	460	78	186	193	22	3,789	191	432	897	
Part time	1,707	117	28	54	40	11	1,194	34	123	106	
Economics (except agricultural)	14,604	510	20	662	426	3	3,992	181	490	8,320	
Full time	12,426	364	12	510	243	2	3,095	148	370	7,682	
Part time	2,178	146	8	152	183	1	897	33	120	638	
Geography	4,810	250	27	146	137	4	2,931	81	264	970	
Full time	3,354	163	15	98	89	2	1,935	46	159	847	
Part time	1,456	87	12	48	48	2	996	35	105	123	
History and philosophy of science	371	11	3	4	6	0	252	3	15	77	
Full time	332	10	3	4	4	0	223	3	14	71	
Part time	39	1	0	0	2	0	29	0	1	6	
Linguistics	3,489	194	33	212	72	3	1,622	75	193	1,085	
Full time	2,668	140	18	128	45	1	1,205	48	141	942	
Part time	821	54	15	84	27	2	417	27	52	143	
Political science and government	47,370	4,446	276	2,287	5,809	152	23,875	981	2,879	6,665	
Full time	27,478	2,218	138	1,380	2,536	67	13,243	578	1,364	5,954	
Part time	19,892	2,228	138	907	3,273	85	10,632	403	1,515	711	
Sociology	8,637	960	56	380	954	11	4,412	219	416	1,229	
Full time	6,590	692	32	310	623	6	3,349	164	326	1,088	
Part time	2,047	268	24	70	331	5	1,063	55	90	141	
Sociology and anthropology	197	25	0	6	38	1	101	3	14	9	
Full time	120	12	0	3	18	0	68	2	9	8	
Part time	77	13	0	3	20	1	33	1	5	1	
Social sciences nec	16,378	2,002	145	663	2,669	67	7,734	451	882	1,765	
Full time	9,332	1,104	93	431	1,289	39	4,048	279	480	1,569	
Part time	7,046	898	52	232	1,380	28	3,686	172	402	196	
Engineering	164,488	6,527	286	9,706	3,714	118	46,918	1,638	5,106	90,475	
Full time	124,382	3,886	158	6,425	2,063	57	29,336	1,137	2,725	78,595	
Part time	40,106	2,641	128	3,281	1,651	61	17,582	501	2,381	11,880	

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Aerospace engineering	5,116	291	10	340	69	6	2,379	79	215	1,727	
Full time	3,907	190	7	227	45	5	1,653	60	156	1,564	
Part time	1,209	101	3	113	24	1	726	19	59	163	
Agricultural engineering	1,740	58	6	80	34	0	557	19	31	955	
Full time	1,412	39	5	68	26	0	434	15	16	809	
Part time	328	19	1	12	8	0	123	4	15	146	
Architecture	1,817	107	5	90	88	2	769	26	74	656	
Full time	1,588	91	5	82	69	2	659	23	58	599	
Part time	229	16	0	8	19	0	110	3	16	57	
Biomedical engineering	9,510	458	16	1,289	254	14	3,755	235	458	3,031	
Full time	8,336	387	15	1,138	212	11	3,268	212	367	2,726	
Part time	1,174	71	1	151	42	3	487	23	91	305	
Chemical engineering	9,870	320	24	747	215	3	3,043	102	271	5,145	
Full time	8,629	268	16	623	172	2	2,572	86	183	4,707	
Part time	1,241	52	8	124	43	1	471	16	88	438	
Civil engineering	20,789	1,281	50	1,046	475	15	7,112	222	728	9,860	
Full time	15,219	752	26	646	270	8	4,405	149	400	8,563	
Part time	5,570	529	24	400	205	7	2,707	73	328	1,297	
Electrical engineering	51,909	1,305	49	2,659	805	22	8,204	292	1,118	37,455	
Full time	39,868	664	23	1,508	403	10	4,581	187	549	31,943	
Part time	12,041	641	26	1,151	402	12	3,623	105	569	5,512	
Engineering science, mechanics, and physics	2,162	47	5	109	35	2	728	36	67	1,133	
Full time	1,575	33	2	82	23	1	500	25	41	868	
Part time	587	14	3	27	12	1	228	11	26	265	
Industrial and manufacturing engineering	14,845	769	35	729	579	17	4,338	124	781	7,473	
Full time	9,106	332	6	344	178	2	1,557	54	239	6,394	
Part time	5,739	437	29	385	401	15	2,781	70	542	1,079	
Mechanical engineering	25,651	1,137	46	1,474	434	11	8,563	272	759	12,955	
Full time	19,015	687	31	961	258	8	5,220	177	361	11,312	
Part time	6,636	450	15	513	176	3	3,343	95	398	1,643	
Metallurgical and materials engineering	7,518	246	5	440	166	6	2,520	91	159	3,885	
Full time	6,625	204	5	376	138	5	2,059	76	126	3,636	
Part time	893	42	0	64	28	1	461	15	33	249	

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Mining engineering	396	15	1	4	2	0	144	4	15	211	
Full time	307	10	1	0	2	0	92	4	10	188	
Part time	89	5	0	4	0	0	52	0	5	23	
Nuclear engineering	1,467	73	2	45	15	1	888	20	86	337	
Full time	1,201	56	2	41	12	1	684	18	71	316	
Part time	266	17	0	4	3	0	204	2	15	21	
Petroleum engineering	2,056	53	6	92	63	0	315	3	25	1,499	
Full time	1,662	30	4	70	44	0	161	2	9	1,342	
Part time	394	23	2	22	19	0	154	1	16	157	
Engineering nec	9,642	367	26	562	480	19	3,603	113	319	4,153	
Full time	5,932	143	10	259	211	2	1,491	49	139	3,628	
Part time	3,710	224	16	303	269	17	2,112	64	180	525	

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

^a Includes Hispanic or Latino of one or more races.

NOTES: In 2014, the survey frame was updated following a comprehensive frame evaluation study. The study identified potentially eligible but not previously surveyed U.S. academic institutions with master's- or doctorate-granting programs in science, engineering, or health. A total of 151 newly eligible institutions were added, and two private for-profit institutions offering mostly practitioner-based graduate degrees were determined to be ineligible.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2014.