

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
All S&E graduate students	595,556	41,833	1,614	39,288	28,879	606	228,182	12,806	20,839	221,509
Science	432,255	33,894	1,403	28,425	24,844	531	180,735	10,346	17,099	134,978
Agricultural sciences	9,538	601	34	241	354	14	5,031	171	188	2,904
Biological and biomedical sciences	87,933	7,577	260	8,108	4,923	167	42,825	2,450	3,678	17,945
Computer and information sciences	93,478	3,694	102	7,917	4,946	70	21,569	1,433	2,736	51,011
Geosciences, atmospheric sciences, and ocean sciences	12,333	831	49	382	240	7	7,352	350	441	2,681
Mathematics and statistics	31,461	1,478	57	2,161	676	9	9,508	472	956	16,144
Multidisciplinary and interdisciplinary studies	10,338	838	31	833	709	22	4,582	273	332	2,718
Natural resources and conservation	11,407	902	97	337	364	22	7,095	349	543	1,698
Physical sciences	42,075	2,540	78	2,277	1,007	22	17,737	853	1,100	16,461
Psychology	55,707	8,303	258	2,731	5,431	101	30,089	1,885	3,567	3,342
Social sciences	77,985	7,130	437	3,438	6,194	97	34,947	2,110	3,558	20,074
Engineering	163,301	7,939	211	10,863	4,035	75	47,447	2,460	3,740	86,531
Aerospace, aeronautical, and astronautical engineering	5,848	366	15	424	96	2	2,744	166	130	1,905
Agricultural engineering	1,032	33	1	50	25	1	347	26	19	530
Bioengineering and biomedical engineering	11,480	792	14	1,558	375	13	4,356	304	337	3,731
Biological and biosystems engineering	283	12	1	6	3	1	113	8	7	132
Chemical engineering	10,011	363	10	759	203	3	3,040	155	211	5,267
Civil engineering	20,461	1,349	42	1,121	470	13	6,183	314	424	10,545
Electrical, electronics, and communications engineering	46,227	1,623	30	2,886	880	13	8,379	456	915	31,045
Engineering mechanics, physics, and science	2,157	72	4	142	49	1	727	35	67	1,060
Industrial and manufacturing engineering	15,987	814	18	1,028	558	8	4,312	173	494	8,582
Mechanical engineering	26,593	1,375	37	1,556	482	6	8,522	412	590	13,613
Metallurgical and materials engineering	6,689	335	11	421	143	3	2,174	120	99	3,383
Mining engineering	527	21	5	8	17	1	267	9	8	191
Nanotechnology	118	9	0	12	4	0	45	4	4	40
Nuclear engineering	1,453	94	2	53	22	0	770	26	40	446
Petroleum engineering	1,403	46	1	49	26	0	222	15	32	1,012
Engineering nec	13,032	635	20	790	682	10	5,246	237	363	5,049
Female	254,188	21,371	895	17,163	16,253	323	103,130	6,413	10,038	78,602

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Science	212,822	19,293	826	13,987	15,052	300	91,996	5,679	9,133	56,556
Agricultural sciences	5,190	336	20	157	213	5	2,836	90	96	1,437
Biological and biomedical sciences	50,770	4,424	155	4,581	3,294	88	24,433	1,461	2,185	10,149
Computer and information sciences	28,567	910	30	2,493	1,793	25	4,875	424	881	17,136
Geosciences, atmospheric sciences, and ocean sciences	5,613	441	21	206	120	3	3,420	208	202	992
Mathematics and statistics	11,767	482	26	871	271	5	2,988	137	312	6,675
Multidisciplinary and interdisciplinary studies	5,476	478	16	443	430	14	2,403	155	175	1,362
Natural resources and conservation	6,256	546	58	202	212	13	3,859	223	306	837
Physical sciences	14,212	920	26	915	468	10	5,734	291	341	5,507
Psychology	42,792	6,536	198	2,090	4,309	82	22,908	1,421	2,771	2,477
Social sciences	42,179	4,220	276	2,029	3,942	55	18,540	1,269	1,864	9,984
Engineering	41,366	2,078	69	3,176	1,201	23	11,134	734	905	22,046
Aerospace, aeronautical, and astronautical engineering	983	49	3	79	22	0	426	25	28	351
Agricultural engineering	401	12	1	16	14	1	141	9	10	197
Bioengineering and biomedical engineering	4,915	356	10	648	178	2	1,787	150	129	1,655
Biological and biosystems engineering	106	8	1	1	3	1	40	3	2	47
Chemical engineering	3,174	116	5	280	79	2	836	49	64	1,743
Civil engineering	6,530	470	13	433	151	2	2,122	130	141	3,068
Electrical, electronics, and communications engineering	10,138	259	7	666	154	2	1,097	79	163	7,711
Engineering mechanics, physics, and science	520	18	3	46	13	1	166	11	9	253
Industrial and manufacturing engineering	4,402	257	6	297	195	3	1,060	53	128	2,403
Mechanical engineering	4,315	237	7	330	119	2	1,409	106	100	2,005
Metallurgical and materials engineering	2,067	108	3	159	56	2	663	46	34	996
Mining engineering	130	4	4	4	2	0	64	3	1	48
Nanotechnology	34	2	0	1	3	0	10	0	1	17

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Nuclear engineering	254	20	0	7	9	0	114	5	7	92
Petroleum engineering	272	12	0	7	5	0	30	4	7	207
Engineering nec	3,125	150	6	202	198	5	1,169	61	81	1,253
Male	341,368	20,462	719	22,125	12,626	283	125,052	6,393	10,801	142,907
Science	219,433	14,601	577	14,438	9,792	231	88,739	4,667	7,966	78,422
Agricultural sciences	4,348	265	14	84	141	9	2,195	81	92	1,467
Biological and biomedical sciences	37,163	3,153	105	3,527	1,629	79	18,392	989	1,493	7,796
Computer and information sciences	64,911	2,784	72	5,424	3,153	45	16,694	1,009	1,855	33,875
Geosciences, atmospheric sciences, and ocean sciences	6,720	390	28	176	120	4	3,932	142	239	1,689
Mathematics and statistics	19,694	996	31	1,290	405	4	6,520	335	644	9,469
Multidisciplinary and interdisciplinary studies	4,862	360	15	390	279	8	2,179	118	157	1,356
Natural resources and conservation	5,151	356	39	135	152	9	3,236	126	237	861
Physical sciences	27,863	1,620	52	1,362	539	12	12,003	562	759	10,954
Psychology	12,915	1,767	60	641	1,122	19	7,181	464	796	865
Social sciences	35,806	2,910	161	1,409	2,252	42	16,407	841	1,694	10,090
Engineering	121,935	5,861	142	7,687	2,834	52	36,313	1,726	2,835	64,485
Aerospace, aeronautical, and astronautical engineering	4,865	317	12	345	74	2	2,318	141	102	1,554
Agricultural engineering	631	21	0	34	11	0	206	17	9	333
Bioengineering and biomedical engineering	6,565	436	4	910	197	11	2,569	154	208	2,076
Biological and biosystems engineering	177	4	0	5	0	0	73	5	5	85
Chemical engineering	6,837	247	5	479	124	1	2,204	106	147	3,524
Civil engineering	13,931	879	29	688	319	11	4,061	184	283	7,477
Electrical, electronics, and communications engineering	36,089	1,364	23	2,220	726	11	7,282	377	752	23,334
Engineering mechanics, physics, and science	1,637	54	1	96	36	0	561	24	58	807
Industrial and manufacturing engineering	11,585	557	12	731	363	5	3,252	120	366	6,179

Table 3-1**S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018**

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Mechanical engineering	22,278	1,138	30	1,226	363	4	7,113	306	490	11,608
Metallurgical and materials engineering	4,622	227	8	262	87	1	1,511	74	65	2,387
Mining engineering	397	17	1	4	15	1	203	6	7	143
Nanotechnology	84	7	0	11	1	0	35	4	3	23
Nuclear engineering	1,199	74	2	46	13	0	656	21	33	354
Petroleum engineering	1,131	34	1	42	21	0	192	11	25	805
Engineering nec	9,907	485	14	588	484	5	4,077	176	282	3,796
All S&E master's students	334,391	26,639	963	23,691	20,178	395	126,074	7,434	13,488	115,529
Science	241,327	21,203	823	16,933	17,560	350	97,081	5,915	11,184	70,278
Agricultural sciences	5,658	457	22	140	248	11	3,472	120	129	1,059
Biological and biomedical sciences	35,306	3,454	103	3,611	2,827	98	17,358	1,093	2,006	4,756
Computer and information sciences	77,351	3,320	90	7,015	4,558	58	17,940	1,215	2,321	40,834
Geosciences, atmospheric sciences, and ocean sciences	5,629	454	28	164	140	7	3,926	167	211	532
Mathematics and statistics	18,073	958	43	1,398	461	6	4,951	240	593	9,423
Multidisciplinary and interdisciplinary studies	7,414	654	22	641	554	17	3,149	207	234	1,936
Natural resources and conservation	7,691	671	73	217	219	21	5,148	255	347	740
Physical sciences	6,075	612	24	378	327	9	2,603	161	212	1,749
Psychology	35,404	5,789	159	1,525	3,989	68	18,423	1,155	2,801	1,495
Social sciences	42,726	4,834	259	1,844	4,237	55	20,111	1,302	2,330	7,754
Engineering	93,064	5,436	140	6,758	2,618	45	28,993	1,519	2,304	45,251
Aerospace, aeronautical, and astronautical engineering	3,342	257	8	284	61	2	1,769	113	76	772
Agricultural engineering	371	14	0	22	7	0	192	12	10	114
Bioengineering and biomedical engineering	4,202	312	6	597	149	2	1,480	109	111	1,436
Biological and biosystems engineering	80	6	1	3	0	0	47	4	3	16
Chemical engineering	3,061	122	2	247	76	1	793	46	79	1,695
Civil engineering	12,729	1,082	35	888	332	9	4,571	233	284	5,295
Electrical, electronics, and communications engineering	28,108	1,236	24	1,944	585	13	5,338	324	606	18,038

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Engineering mechanics, physics, and science	729	28	1	42	22	0	319	15	43	259
Industrial and manufacturing engineering	12,389	731	14	880	438	5	3,590	148	404	6,179
Mechanical engineering	15,434	959	23	1,030	296	5	5,543	267	357	6,954
Metallurgical and materials engineering	2,079	109	4	139	56	1	693	37	42	998
Mining engineering	316	14	5	5	14	1	180	6	6	85
Nanotechnology	47	7	0	7	4	0	19	3	1	6
Nuclear engineering	407	35	0	16	7	0	245	7	11	86
Petroleum engineering	754	40	1	36	13	0	166	12	16	470
Engineering nec	9,016	484	16	618	558	6	4,048	183	255	2,848
Female	145,939	13,790	536	9,929	11,290	203	57,330	3,676	6,814	42,371
Science	122,914	12,455	491	8,072	10,606	192	51,061	3,275	6,306	30,456
Agricultural sciences	3,210	259	13	92	155	4	2,001	64	60	562
Biological and biomedical sciences	22,062	2,175	67	2,129	1,937	50	10,668	680	1,294	3,062
Computer and information sciences	24,455	827	25	2,230	1,660	18	4,025	371	769	14,530
Geosciences, atmospheric sciences, and ocean sciences	2,546	230	10	82	67	3	1,756	89	94	215
Mathematics and statistics	7,861	349	22	634	205	3	1,784	82	232	4,550
Multidisciplinary and interdisciplinary studies	3,972	382	11	336	335	12	1,666	114	127	989
Natural resources and conservation	4,303	409	40	125	122	13	2,829	164	195	406
Physical sciences	2,326	232	11	167	185	3	964	52	75	637
Psychology	28,152	4,698	130	1,185	3,236	55	14,572	883	2,222	1,171
Social sciences	24,027	2,894	162	1,092	2,704	31	10,796	776	1,238	4,334
Engineering	23,025	1,335	45	1,857	684	11	6,269	401	508	11,915
Aerospace, aeronautical, and astronautical engineering	582	32	2	59	13	0	281	17	13	165
Agricultural engineering	136	5	0	8	5	0	70	4	4	40
Bioengineering and biomedical engineering	1,875	132	4	252	70	0	613	56	46	702

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Biological and biosystems engineering	30	4	1	1	0	0	14	1	1	8
Chemical engineering	961	35	2	86	32	1	224	14	23	544
Civil engineering	4,002	353	12	338	94	1	1,460	90	85	1,569
Electrical, electronics, and communications engineering	6,745	206	6	446	92	2	684	50	99	5,160
Engineering mechanics, physics, and science	165	6	0	11	5	0	66	4	0	73
Industrial and manufacturing engineering	3,317	230	5	246	142	1	880	39	100	1,674
Mechanical engineering	2,263	161	6	197	63	2	835	63	61	875
Metallurgical and materials engineering	642	38	0	51	21	1	220	13	16	282
Mining engineering	83	3	4	3	1	0	47	3	1	21
Nanotechnology	12	1	0	1	3	0	6	0	0	1
Nuclear engineering	48	6	0	2	1	0	27	1	2	9
Petroleum engineering	140	11	0	4	1	0	17	4	3	100
Engineering nec	2,024	112	3	152	141	3	825	42	54	692
Male	188,452	12,849	427	13,762	8,888	192	68,744	3,758	6,674	73,158
Science	118,413	8,748	332	8,861	6,954	158	46,020	2,640	4,878	39,822
Agricultural sciences	2,448	198	9	48	93	7	1,471	56	69	497
Biological and biomedical sciences	13,244	1,279	36	1,482	890	48	6,690	413	712	1,694
Computer and information sciences	52,896	2,493	65	4,785	2,898	40	13,915	844	1,552	26,304
Geosciences, atmospheric sciences, and ocean sciences	3,083	224	18	82	73	4	2,170	78	117	317
Mathematics and statistics	10,212	609	21	764	256	3	3,167	158	361	4,873
Multidisciplinary and interdisciplinary studies	3,442	272	11	305	219	5	1,483	93	107	947
Natural resources and conservation	3,388	262	33	92	97	8	2,319	91	152	334
Physical sciences	3,749	380	13	211	142	6	1,639	109	137	1,112
Psychology	7,252	1,091	29	340	753	13	3,851	272	579	324

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Social sciences	18,699	1,940	97	752	1,533	24	9,315	526	1,092	3,420
Engineering	70,039	4,101	95	4,901	1,934	34	22,724	1,118	1,796	33,336
Aerospace, aeronautical, and astronautical engineering	2,760	225	6	225	48	2	1,488	96	63	607
Agricultural engineering	235	9	0	14	2	0	122	8	6	74
Bioengineering and biomedical engineering	2,327	180	2	345	79	2	867	53	65	734
Biological and biosystems engineering	50	2	0	2	0	0	33	3	2	8
Chemical engineering	2,100	87	0	161	44	0	569	32	56	1,151
Civil engineering	8,727	729	23	550	238	8	3,111	143	199	3,726
Electrical, electronics, and communications engineering	21,363	1,030	18	1,498	493	11	4,654	274	507	12,878
Engineering mechanics, physics, and science	564	22	1	31	17	0	253	11	43	186
Industrial and manufacturing engineering	9,072	501	9	634	296	4	2,710	109	304	4,505
Mechanical engineering	13,171	798	17	833	233	3	4,708	204	296	6,079
Metallurgical and materials engineering	1,437	71	4	88	35	0	473	24	26	716
Mining engineering	233	11	1	2	13	1	133	3	5	64
Nanotechnology	35	6	0	6	1	0	13	3	1	5
Nuclear engineering	359	29	0	14	6	0	218	6	9	77
Petroleum engineering	614	29	1	32	12	0	149	8	13	370
Engineering nec	6,992	372	13	466	417	3	3,223	141	201	2,156
All S&E doctoral students	261,165	15,194	651	15,597	8,701	211	102,108	5,372	7,351	105,980
Science	190,928	12,691	580	11,492	7,284	181	83,654	4,431	5,915	64,700
Agricultural sciences	3,880	144	12	101	106	3	1,559	51	59	1,845
Biological and biomedical sciences	52,627	4,123	157	4,497	2,096	69	25,467	1,357	1,672	13,189
Computer and information sciences	16,127	374	12	902	388	12	3,629	218	415	10,177
Geosciences, atmospheric sciences, and ocean sciences	6,704	377	21	218	100	0	3,426	183	230	2,149

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Mathematics and statistics	13,388	520	14	763	215	3	4,557	232	363	6,721
Multidisciplinary and interdisciplinary studies	2,924	184	9	192	155	5	1,433	66	98	782
Natural resources and conservation	3,716	231	24	120	145	1	1,947	94	196	958
Physical sciences	36,000	1,928	54	1,899	680	13	15,134	692	888	14,712
Psychology	20,303	2,514	99	1,206	1,442	33	11,666	730	766	1,847
Social sciences	35,259	2,296	178	1,594	1,957	42	14,836	808	1,228	12,320
Engineering	70,237	2,503	71	4,105	1,417	30	18,454	941	1,436	41,280
Aerospace, aeronautical, and astronautical engineering	2,506	109	7	140	35	0	975	53	54	1,133
Agricultural engineering	661	19	1	28	18	1	155	14	9	416
Bioengineering and biomedical engineering	7,278	480	8	961	226	11	2,876	195	226	2,295
Biological and biosystems engineering	203	6	0	3	3	1	66	4	4	116
Chemical engineering	6,950	241	8	512	127	2	2,247	109	132	3,572
Civil engineering	7,732	267	7	233	138	4	1,612	81	140	5,250
Electrical, electronics, and communications engineering	18,119	387	6	942	295	0	3,041	132	309	13,007
Engineering mechanics, physics, and science	1,428	44	3	100	27	1	408	20	24	801
Industrial and manufacturing engineering	3,598	83	4	148	120	3	722	25	90	2,403
Mechanical engineering	11,159	416	14	526	186	1	2,979	145	233	6,659
Metallurgical and materials engineering	4,610	226	7	282	87	2	1,481	83	57	2,385
Mining engineering	211	7	0	3	3	0	87	3	2	106
Nanotechnology	71	2	0	5	0	0	26	1	3	34
Nuclear engineering	1,046	59	2	37	15	0	525	19	29	360
Petroleum engineering	649	6	0	13	13	0	56	3	16	542
Engineering nec	4,016	151	4	172	124	4	1,198	54	108	2,201
Female	108,249	7,581	359	7,234	4,963	120	45,800	2,737	3,224	36,231
Science	89,908	6,838	335	5,915	4,446	108	40,935	2,404	2,827	26,100
Agricultural sciences	1,980	77	7	65	58	1	835	26	36	875

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Biological and biomedical sciences	28,708	2,249	88	2,452	1,357	38	13,765	781	891	7,087
Computer and information sciences	4,112	83	5	263	133	7	850	53	112	2,606
Geosciences, atmospheric sciences, and ocean sciences	3,067	211	11	124	53	0	1,664	119	108	777
Mathematics and statistics	3,906	133	4	237	66	2	1,204	55	80	2,125
Multidisciplinary and interdisciplinary studies	1,504	96	5	107	95	2	737	41	48	373
Natural resources and conservation	1,953	137	18	77	90	0	1,030	59	111	431
Physical sciences	11,886	688	15	748	283	7	4,770	239	266	4,870
Psychology	14,640	1,838	68	905	1,073	27	8,336	538	549	1,306
Social sciences	18,152	1,326	114	937	1,238	24	7,744	493	626	5,650
Engineering	18,341	743	24	1,319	517	12	4,865	333	397	10,131
Aerospace, aeronautical, and astronautical engineering	401	17	1	20	9	0	145	8	15	186
Agricultural engineering	265	7	1	8	9	1	71	5	6	157
Bioengineering and biomedical engineering	3,040	224	6	396	108	2	1,174	94	83	953
Biological and biosystems engineering	76	4	0	0	3	1	26	2	1	39
Chemical engineering	2,213	81	3	194	47	1	612	35	41	1,199
Civil engineering	2,528	117	1	95	57	1	662	40	56	1,499
Electrical, electronics, and communications engineering	3,393	53	1	220	62	0	413	29	64	2,551
Engineering mechanics, physics, and science	355	12	3	35	8	1	100	7	9	180
Industrial and manufacturing engineering	1,085	27	1	51	53	2	180	14	28	729
Mechanical engineering	2,052	76	1	133	56	0	574	43	39	1,130
Metallurgical and materials engineering	1,425	70	3	108	35	1	443	33	18	714

Table 3-1

S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Mining engineering	47	1	0	1	1	0	17	0	0	27
Nanotechnology	22	1	0	0	0	0	4	0	1	16
Nuclear engineering	206	14	0	5	8	0	87	4	5	83
Petroleum engineering	132	1	0	3	4	0	13	0	4	107
Engineering nec	1,101	38	3	50	57	2	344	19	27	561
Male	152,916	7,613	292	8,363	3,738	91	56,308	2,635	4,127	69,749
Science	101,020	5,853	245	5,577	2,838	73	42,719	2,027	3,088	38,600
Agricultural sciences	1,900	67	5	36	48	2	724	25	23	970
Biological and biomedical sciences	23,919	1,874	69	2,045	739	31	11,702	576	781	6,102
Computer and information sciences	12,015	291	7	639	255	5	2,779	165	303	7,571
Geosciences, atmospheric sciences, and ocean sciences	3,637	166	10	94	47	0	1,762	64	122	1,372
Mathematics and statistics	9,482	387	10	526	149	1	3,353	177	283	4,596
Multidisciplinary and interdisciplinary studies	1,420	88	4	85	60	3	696	25	50	409
Natural resources and conservation	1,763	94	6	43	55	1	917	35	85	527
Physical sciences	24,114	1,240	39	1,151	397	6	10,364	453	622	9,842
Psychology	5,663	676	31	301	369	6	3,330	192	217	541
Social sciences	17,107	970	64	657	719	18	7,092	315	602	6,670
Engineering	51,896	1,760	47	2,786	900	18	13,589	608	1,039	31,149
Aerospace, aeronautical, and astronautical engineering	2,105	92	6	120	26	0	830	45	39	947
Agricultural engineering	396	12	0	20	9	0	84	9	3	259
Bioengineering and biomedical engineering	4,238	256	2	565	118	9	1,702	101	143	1,342
Biological and biosystems engineering	127	2	0	3	0	0	40	2	3	77
Chemical engineering	4,737	160	5	318	80	1	1,635	74	91	2,373
Civil engineering	5,204	150	6	138	81	3	950	41	84	3,751
Electrical, electronics, and communications engineering	14,726	334	5	722	233	0	2,628	103	245	10,456

Table 3-1**S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2018**

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino ^a	Not Hispanic or Latino						Unknown ethnicity and race	
			American Indian or Alaska Native	Asian	Black or African American	Native Hawaiian or Other Pacific Islander	White	More than one race		
Engineering mechanics, physics, and science	1,073	32	0	65	19	0	308	13	15	621
Industrial and manufacturing engineering	2,513	56	3	97	67	1	542	11	62	1,674
Mechanical engineering	9,107	340	13	393	130	1	2,405	102	194	5,529
Metallurgical and materials engineering	3,185	156	4	174	52	1	1,038	50	39	1,671
Mining engineering	164	6	0	2	2	0	70	3	2	79
Nanotechnology	49	1	0	5	0	0	22	1	2	18
Nuclear engineering	840	45	2	32	7	0	438	15	24	277
Petroleum engineering	517	5	0	10	9	0	43	3	12	435
Engineering nec	2,915	113	1	122	67	2	854	35	81	1,640

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

^a Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2018.