

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	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	677,834	59,164	1,729	52,825	35,868	659	253,936	16,946	20,987	235,720
Science	509,784	48,343	1,443	39,413	31,021	561	201,768	13,468	17,432	156,335
Agricultural and veterinary sciences	11,244	926	34	389	407	13	5,772	244	224	3,235
Biological and biomedical sciences	100,883	10,508	253	10,250	6,587	140	46,065	3,109	3,205	20,766
Computer and information sciences	121,730	5,603	142	12,837	5,922	87	26,802	2,059	3,487	64,791
Geosciences, atmospheric sciences, and ocean sciences	12,290	1,068	32	418	303	8	7,118	403	384	2,556
Mathematics and statistics	34,258	1,979	35	2,842	742	14	10,296	558	859	16,933
Multidisciplinary and interdisciplinary studies	15,768	1,519	30	1,489	981	18	6,382	441	484	4,424
Natural resources and conservation	13,922	1,304	129	472	519	33	8,619	479	433	1,934
Physical sciences	44,141	3,287	72	2,720	1,145	20	18,104	1,036	1,049	16,708
Psychology	73,325	13,155	295	3,827	7,639	108	37,135	2,829	4,109	4,228
Social sciences	82,223	8,994	421	4,169	6,776	120	35,475	2,310	3,198	20,760
Engineering	168,050	10,821	286	13,412	4,847	98	52,168	3,478	3,555	79,385
Aerospace, aeronautical, and astronautical engineering	7,838	688	17	767	170	11	3,961	276	184	1,764
Architectural, environmental, construction and surveying engineering	3,496	307	8	192	124	3	1,247	76	80	1,459
Agricultural engineering	1,187	54	1	53	22	1	362	31	14	649
Biological, biomedical, and biosystems engineering	14,059	1,053	15	1,878	544	14	5,239	433	379	4,504
Chemical engineering	9,670	529	18	851	204	3	3,160	204	169	4,532
Civil engineering	16,112	1,193	47	984	453	14	4,966	291	295	7,869
Computer engineering	12,632	517	12	996	280	5	2,010	158	197	8,457
Electrical, electronics, and communications engineering	32,633	1,675	40	2,623	710	7	7,263	494	594	19,227
Engineering mechanics, physics, and science	2,239	111	4	187	61	1	757	50	34	1,034
Industrial and manufacturing engineering	7,606	554	8	367	241	2	1,694	80	86	4,574
Mechanical engineering	27,258	2,055	39	2,018	603	11	9,167	612	601	12,152

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Metallurgical, mining, materials and related engineering fields	7,422	464	16	549	172	3	2,602	199	118	3,299
Nuclear engineering	1,516	112	1	75	34	1	802	46	49	396
Petroleum engineering	1,026	39	3	28	43	0	150	12	21	730
Systems engineering and operations research	8,264	628	19	745	401	10	3,267	205	340	2,649
Engineering nec	15,092	842	38	1,099	785	12	5,521	311	394	6,090
Female	309,437	31,908	949	24,399	21,219	340	123,396	8,968	10,250	88,008
Science	262,874	28,839	839	20,089	19,626	312	109,563	7,850	9,229	66,527
Agricultural and veterinary sciences	6,764	589	16	252	266	6	3,606	164	137	1,728
Biological and biomedical sciences	61,714	6,382	143	6,221	4,579	88	28,097	1,982	1,895	12,327
Computer and information sciences	38,683	1,571	41	4,283	2,285	17	6,887	635	1,101	21,863
Geosciences, atmospheric sciences, and ocean sciences	6,246	613	22	248	174	7	3,729	243	181	1,029
Mathematics and statistics	12,605	652	12	1,133	283	6	3,283	168	259	6,809
Multidisciplinary and interdisciplinary studies	8,613	891	15	858	591	10	3,459	254	293	2,242
Natural resources and conservation	8,444	869	75	312	316	23	5,261	314	251	1,023
Physical sciences	16,080	1,246	23	1,177	570	7	6,550	404	346	5,757
Psychology	58,858	10,660	226	3,035	6,284	83	29,845	2,273	3,217	3,235
Social sciences	44,867	5,366	266	2,570	4,278	65	18,846	1,413	1,549	10,514
Engineering	46,563	3,069	110	4,310	1,593	28	13,833	1,118	1,021	21,481
Aerospace, aeronautical, and astronautical engineering	1,465	119	4	148	38	3	734	60	32	327
Architectural, environmental, construction and surveying engineering	1,569	155	3	110	61	0	596	47	30	567
Agricultural engineering	491	29	0	20	15	1	165	13	9	239
Biological, biomedical, and biosystems engineering	6,542	511	8	883	283	5	2,403	215	179	2,055
Chemical engineering	3,361	193	7	319	87	1	1,034	71	66	1,583
Civil engineering	5,276	436	17	363	160	6	1,784	110	106	2,294
Computer engineering	3,398	88	4	304	68	4	302	27	45	2,556

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Electrical, electronics, and communications engineering	6,904	281	18	642	139	0	1,071	124	124	4,505
Engineering mechanics, physics, and science	620	28	4	69	25	1	178	12	11	292
Industrial and manufacturing engineering	2,200	215	2	124	86	0	520	35	31	1,187
Mechanical engineering	5,063	415	12	462	146	2	1,779	158	133	1,956
Metallurgical, mining, materials and related engineering fields	2,355	143	6	218	72	2	819	74	45	976
Nuclear engineering	304	24	0	17	9	0	138	6	12	98
Petroleum engineering	211	7	0	8	6	0	27	2	6	155
Systems engineering and operations research	2,538	178	9	248	130	1	821	65	88	998
Engineering nec	4,266	247	16	375	268	2	1,462	99	104	1,693
<b>Male</b>	<b>368,397</b>	<b>27,256</b>	<b>780</b>	<b>28,426</b>	<b>14,649</b>	<b>319</b>	<b>130,540</b>	<b>7,978</b>	<b>10,737</b>	<b>147,712</b>
Science	246,910	19,504	604	19,324	11,395	249	92,205	5,618	8,203	89,808
Agricultural and veterinary sciences	4,480	337	18	137	141	7	2,166	80	87	1,507
Biological and biomedical sciences	39,169	4,126	110	4,029	2,008	52	17,968	1,127	1,310	8,439
Computer and information sciences	83,047	4,032	101	8,554	3,637	70	19,915	1,424	2,386	42,928
Geosciences, atmospheric sciences, and ocean sciences	6,044	455	10	170	129	1	3,389	160	203	1,527
Mathematics and statistics	21,653	1,327	23	1,709	459	8	7,013	390	600	10,124
Multidisciplinary and interdisciplinary studies	7,155	628	15	631	390	8	2,923	187	191	2,182
Natural resources and conservation	5,478	435	54	160	203	10	3,358	165	182	911
Physical sciences	28,061	2,041	49	1,543	575	13	11,554	632	703	10,951
Psychology	14,467	2,495	69	792	1,355	25	7,290	556	892	993
Social sciences	37,356	3,628	155	1,599	2,498	55	16,629	897	1,649	10,246
Engineering	121,487	7,752	176	9,102	3,254	70	38,335	2,360	2,534	57,904
Aerospace, aeronautical, and astronautical engineering	6,373	569	13	619	132	8	3,227	216	152	1,437

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Architectural, environmental, construction and surveying engineering	1,927	152	5	82	63	3	651	29	50	892
Agricultural engineering	696	25	1	33	7	0	197	18	5	410
Biological, biomedical, and biosystems engineering	7,517	542	7	995	261	9	2,836	218	200	2,449
Chemical engineering	6,309	336	11	532	117	2	2,126	133	103	2,949
Civil engineering	10,836	757	30	621	293	8	3,182	181	189	5,575
Computer engineering	9,234	429	8	692	212	1	1,708	131	152	5,901
Electrical, electronics, and communications engineering	25,729	1,394	22	1,981	571	7	6,192	370	470	14,722
Engineering mechanics, physics, and science	1,619	83	0	118	36	0	579	38	23	742
Industrial and manufacturing engineering	5,406	339	6	243	155	2	1,174	45	55	3,387
Mechanical engineering	22,195	1,640	27	1,556	457	9	7,388	454	468	10,196
Metallurgical, mining, materials and related engineering fields	5,067	321	10	331	100	1	1,783	125	73	2,323
Nuclear engineering	1,212	88	1	58	25	1	664	40	37	298
Petroleum engineering	815	32	3	20	37	0	123	10	15	575
Systems engineering and operations research	5,726	450	10	497	271	9	2,446	140	252	1,651
Engineering nec	10,826	595	22	724	517	10	4,059	212	290	4,397
All S&E master's students	400,922	39,999	1,050	34,480	25,398	480	151,772	10,177	13,520	124,046
Science	305,796	32,387	845	25,795	22,257	410	118,785	8,022	11,342	85,953
Agricultural and veterinary sciences	6,801	700	22	262	306	12	3,978	168	157	1,196
Biological and biomedical sciences	42,728	5,037	104	4,999	4,067	86	19,656	1,353	1,568	5,858
Computer and information sciences	102,199	5,106	121	11,428	5,390	76	22,742	1,742	2,965	52,629
Geosciences, atmospheric sciences, and ocean sciences	5,520	571	18	168	159	6	3,748	186	161	503
Mathematics and statistics	20,639	1,310	22	1,951	535	9	5,913	309	502	10,088
Multidisciplinary and interdisciplinary studies	11,994	1,228	20	1,237	754	11	4,766	344	371	3,263

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Natural resources and conservation	10,012	1,028	81	344	335	31	6,611	386	279	917
Physical sciences	6,409	782	24	463	334	7	2,964	177	187	1,471
Psychology	51,878	10,248	195	2,483	5,808	91	26,061	1,886	3,268	1,838
Social sciences	47,616	6,377	238	2,460	4,569	81	22,346	1,471	1,884	8,190
Engineering	95,126	7,612	205	8,685	3,141	70	32,987	2,155	2,178	38,093
Aerospace, aeronautical, and astronautical engineering	5,065	545	12	559	114	8	2,840	189	135	663
Architectural, environmental, construction and surveying engineering	2,378	239	6	149	89	2	947	54	58	834
Agricultural engineering	519	27	1	25	5	0	214	16	3	228
Biological, biomedical, and biosystems engineering	5,192	408	4	795	230	6	1,953	168	118	1,510
Chemical engineering	2,555	212	7	269	78	0	893	66	60	970
Civil engineering	9,352	957	35	774	320	10	3,657	213	195	3,191
Computer engineering	9,829	460	10	857	224	4	1,507	126	143	6,498
Electrical, electronics, and communications engineering	17,866	1,247	35	1,786	467	6	4,702	338	351	8,934
Engineering mechanics, physics, and science	782	46	2	81	34	0	325	17	10	267
Industrial and manufacturing engineering	5,284	488	4	284	167	2	1,278	64	48	2,949
Mechanical engineering	15,718	1,490	28	1,412	373	9	6,158	405	380	5,463
Metallurgical, mining, materials and related engineering fields	2,518	163	8	198	75	2	1,063	83	49	877
Nuclear engineering	484	43	1	24	12	1	293	14	16	80
Petroleum engineering	428	32	3	14	31	0	95	9	10	234
Systems engineering and operations research	6,665	581	17	635	339	9	2,783	165	284	1,852
Engineering nec	10,491	674	32	823	583	11	4,279	228	318	3,543
Female	187,856	22,072	571	15,624	15,103	238	74,725	5,379	6,800	47,344
Science	162,191	20,047	487	12,917	14,156	223	66,631	4,747	6,221	36,762

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Agricultural and veterinary sciences	4,289	453	11	178	204	6	2,544	118	99	676
Biological and biomedical sciences	28,284	3,286	61	3,238	2,978	54	12,854	913	998	3,902
Computer and information sciences	33,288	1,434	36	3,811	2,068	14	5,889	537	940	18,559
Geosciences, atmospheric sciences, and ocean sciences	2,896	337	12	99	90	5	1,957	105	78	213
Mathematics and statistics	8,522	478	7	858	212	3	2,084	95	160	4,625
Multidisciplinary and interdisciplinary studies	6,570	717	11	712	443	5	2,574	195	233	1,680
Natural resources and conservation	6,247	689	43	236	202	22	4,112	252	165	526
Physical sciences	2,595	317	12	221	177	1	1,182	73	57	555
Psychology	42,715	8,500	147	2,012	4,849	69	21,505	1,549	2,584	1,500
Social sciences	26,785	3,836	147	1,552	2,933	44	11,930	910	907	4,526
Engineering	25,665	2,025	84	2,707	947	15	8,094	632	579	10,582
Aerospace, aeronautical, and astronautical engineering	907	93	3	106	24	2	492	40	21	126
Architectural, environmental, construction and surveying engineering	1,036	120	3	85	40	0	438	30	22	298
Agricultural engineering	223	13	0	14	5	0	91	8	2	90
Biological, biomedical, and biosystems engineering	2,530	204	2	399	115	2	918	72	62	756
Chemical engineering	913	73	3	104	32	0	293	25	26	357
Civil engineering	3,041	321	15	277	109	4	1,231	76	65	943
Computer engineering	2,802	81	4	270	55	3	219	17	33	2,120
Electrical, electronics, and communications engineering	3,856	207	17	448	77	0	655	78	62	2,312
Engineering mechanics, physics, and science	237	11	2	30	14	0	76	4	1	99
Industrial and manufacturing engineering	1,398	192	1	99	51	0	381	25	14	635
Mechanical engineering	2,708	286	11	290	79	1	1,115	99	82	745

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Metallurgical, mining, materials and related engineering fields	826	49	3	81	37	1	338	32	21	264
Nuclear engineering	89	10	0	6	1	0	42	3	2	25
Petroleum engineering	81	5	0	5	4	0	18	2	2	45
Systems engineering and operations research	2,079	162	8	210	113	1	707	50	79	749
Engineering nec	2,939	198	12	283	191	1	1,080	71	85	1,018
Male	213,066	17,927	479	18,856	10,295	242	77,047	4,798	6,720	76,702
Science	143,605	12,340	358	12,878	8,101	187	52,154	3,275	5,121	49,191
Agricultural and veterinary sciences	2,512	247	11	84	102	6	1,434	50	58	520
Biological and biomedical sciences	14,444	1,751	43	1,761	1,089	32	6,802	440	570	1,956
Computer and information sciences	68,911	3,672	85	7,617	3,322	62	16,853	1,205	2,025	34,070
Geosciences, atmospheric sciences, and ocean sciences	2,624	234	6	69	69	1	1,791	81	83	290
Mathematics and statistics	12,117	832	15	1,093	323	6	3,829	214	342	5,463
Multidisciplinary and interdisciplinary studies	5,424	511	9	525	311	6	2,192	149	138	1,583
Natural resources and conservation	3,765	339	38	108	133	9	2,499	134	114	391
Physical sciences	3,814	465	12	242	157	6	1,782	104	130	916
Psychology	9,163	1,748	48	471	959	22	4,556	337	684	338
Social sciences	20,831	2,541	91	908	1,636	37	10,416	561	977	3,664
Engineering	69,461	5,587	121	5,978	2,194	55	24,893	1,523	1,599	27,511
Aerospace, aeronautical, and astronautical engineering	4,158	452	9	453	90	6	2,348	149	114	537
Architectural, environmental, construction and surveying engineering	1,342	119	3	64	49	2	509	24	36	536
Agricultural engineering	296	14	1	11	0	0	123	8	1	138
Biological, biomedical, and biosystems engineering	2,662	204	2	396	115	4	1,035	96	56	754
Chemical engineering	1,642	139	4	165	46	0	600	41	34	613

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Civil engineering	6,311	636	20	497	211	6	2,426	137	130	2,248
Computer engineering	7,027	379	6	587	169	1	1,288	109	110	4,378
Electrical, electronics, and communications engineering	14,010	1,040	18	1,338	390	6	4,047	260	289	6,622
Engineering mechanics, physics, and science	545	35	0	51	20	0	249	13	9	168
Industrial and manufacturing engineering	3,886	296	3	185	116	2	897	39	34	2,314
Mechanical engineering	13,010	1,204	17	1,122	294	8	5,043	306	298	4,718
Metallurgical, mining, materials and related engineering fields	1,692	114	5	117	38	1	725	51	28	613
Nuclear engineering	395	33	1	18	11	1	251	11	14	55
Petroleum engineering	347	27	3	9	27	0	77	7	8	189
Systems engineering and operations research	4,586	419	9	425	226	8	2,076	115	205	1,103
Engineering nec	7,552	476	20	540	392	10	3,199	157	233	2,525
All S&E doctoral students	276,912	19,165	679	18,345	10,470	179	102,164	6,769	7,467	111,674
Science	203,988	15,956	598	13,618	8,764	151	82,983	5,446	6,090	70,382
Agricultural and veterinary sciences	4,443	226	12	127	101	1	1,794	76	67	2,039
Biological and biomedical sciences	58,155	5,471	149	5,251	2,520	54	26,409	1,756	1,637	14,908
Computer and information sciences	19,531	497	21	1,409	532	11	4,060	317	522	12,162
Geosciences, atmospheric sciences, and ocean sciences	6,770	497	14	250	144	2	3,370	217	223	2,053
Mathematics and statistics	13,619	669	13	891	207	5	4,383	249	357	6,845
Multidisciplinary and interdisciplinary studies	3,774	291	10	252	227	7	1,616	97	113	1,161
Natural resources and conservation	3,910	276	48	128	184	2	2,008	93	154	1,017
Physical sciences	37,732	2,505	48	2,257	811	13	15,140	859	862	15,237
Psychology	21,447	2,907	100	1,344	1,831	17	11,074	943	841	2,390
Social sciences	34,607	2,617	183	1,709	2,207	39	13,129	839	1,314	12,570
Engineering	72,924	3,209	81	4,727	1,706	28	19,181	1,323	1,377	41,292
Aerospace, aeronautical, and astronautical engineering	2,773	143	5	208	56	3	1,121	87	49	1,101



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Architectural, environmental, construction and surveying engineering	1,118	68	2	43	35	1	300	22	22	625
Agricultural engineering	668	27	0	28	17	1	148	15	11	421
Biological, biomedical, and biosystems engineering	8,867	645	11	1,083	314	8	3,286	265	261	2,994
Chemical engineering	7,115	317	11	582	126	3	2,267	138	109	3,562
Civil engineering	6,760	236	12	210	133	4	1,309	78	100	4,678
Computer engineering	2,803	57	2	139	56	1	503	32	54	1,959
Electrical, electronics, and communications engineering	14,767	428	5	837	243	1	2,561	156	243	10,293
Engineering mechanics, physics, and science	1,457	65	2	106	27	1	432	33	24	767
Industrial and manufacturing engineering	2,322	66	4	83	74	0	416	16	38	1,625
Mechanical engineering	11,540	565	11	606	230	2	3,009	207	221	6,689
Metallurgical, mining, materials and related engineering fields	4,904	301	8	351	97	1	1,539	116	69	2,422
Nuclear engineering	1,032	69	0	51	22	0	509	32	33	316
Petroleum engineering	598	7	0	14	12	0	55	3	11	496
Systems engineering and operations research	1,599	47	2	110	62	1	484	40	56	797
Engineering nec	4,601	168	6	276	202	1	1,242	83	76	2,547
Female	121,581	9,836	378	8,775	6,116	102	48,671	3,589	3,450	40,664
Science	100,683	8,792	352	7,172	5,470	89	42,932	3,103	3,008	29,765
Agricultural and veterinary sciences	2,475	136	5	74	62	0	1,062	46	38	1,052
Biological and biomedical sciences	33,430	3,096	82	2,983	1,601	34	15,243	1,069	897	8,425
Computer and information sciences	5,395	137	5	472	217	3	998	98	161	3,304
Geosciences, atmospheric sciences, and ocean sciences	3,350	276	10	149	84	2	1,772	138	103	816
Mathematics and statistics	4,083	174	5	275	71	3	1,199	73	99	2,184

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	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		
Multidisciplinary and interdisciplinary studies	2,043	174	4	146	148	5	885	59	60	562
Natural resources and conservation	2,197	180	32	76	114	1	1,149	62	86	497
Physical sciences	13,485	929	11	956	393	6	5,368	331	289	5,202
Psychology	16,143	2,160	79	1,023	1,435	14	8,340	724	633	1,735
Social sciences	18,082	1,530	119	1,018	1,345	21	6,916	503	642	5,988
Engineering	20,898	1,044	26	1,603	646	13	5,739	486	442	10,899
Aerospace, aeronautical, and astronautical engineering	558	26	1	42	14	1	242	20	11	201
Architectural, environmental, construction and surveying engineering	533	35	0	25	21	0	158	17	8	269
Agricultural engineering	268	16	0	6	10	1	74	5	7	149
Biological, biomedical, and biosystems engineering	4,012	307	6	484	168	3	1,485	143	117	1,299
Chemical engineering	2,448	120	4	215	55	1	741	46	40	1,226
Civil engineering	2,235	115	2	86	51	2	553	34	41	1,351
Computer engineering	596	7	0	34	13	1	83	10	12	436
Electrical, electronics, and communications engineering	3,048	74	1	194	62	0	416	46	62	2,193
Engineering mechanics, physics, and science	383	17	2	39	11	1	102	8	10	193
Industrial and manufacturing engineering	802	23	1	25	35	0	139	10	17	552
Mechanical engineering	2,355	129	1	172	67	1	664	59	51	1,211
Metallurgical, mining, materials and related engineering fields	1,529	94	3	137	35	1	481	42	24	712
Nuclear engineering	215	14	0	11	8	0	96	3	10	73
Petroleum engineering	130	2	0	3	2	0	9	0	4	110
Systems engineering and operations research	459	16	1	38	17	0	114	15	9	249
Engineering nec	1,327	49	4	92	77	1	382	28	19	675
Male	155,331	9,329	301	9,570	4,354	77	53,493	3,180	4,017	71,010

Table 3-1

## S&amp;E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	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	103,305	7,164	246	6,446	3,294	62	40,051	2,343	3,082	40,617
Agricultural and veterinary sciences	1,968	90	7	53	39	1	732	30	29	987
Biological and biomedical sciences	24,725	2,375	67	2,268	919	20	11,166	687	740	6,483
Computer and information sciences	14,136	360	16	937	315	8	3,062	219	361	8,858
Geosciences, atmospheric sciences, and ocean sciences	3,420	221	4	101	60	0	1,598	79	120	1,237
Mathematics and statistics	9,536	495	8	616	136	2	3,184	176	258	4,661
Multidisciplinary and interdisciplinary studies	1,731	117	6	106	79	2	731	38	53	599
Natural resources and conservation	1,713	96	16	52	70	1	859	31	68	520
Physical sciences	24,247	1,576	37	1,301	418	7	9,772	528	573	10,035
Psychology	5,304	747	21	321	396	3	2,734	219	208	655
Social sciences	16,525	1,087	64	691	862	18	6,213	336	672	6,582
Engineering	52,026	2,165	55	3,124	1,060	15	13,442	837	935	30,393
Aerospace, aeronautical, and astronautical engineering	2,215	117	4	166	42	2	879	67	38	900
Architectural, environmental, construction and surveying engineering	585	33	2	18	14	1	142	5	14	356
Agricultural engineering	400	11	0	22	7	0	74	10	4	272
Biological, biomedical, and biosystems engineering	4,855	338	5	599	146	5	1,801	122	144	1,695
Chemical engineering	4,667	197	7	367	71	2	1,526	92	69	2,336
Civil engineering	4,525	121	10	124	82	2	756	44	59	3,327
Computer engineering	2,207	50	2	105	43	0	420	22	42	1,523
Electrical, electronics, and communications engineering	11,719	354	4	643	181	1	2,145	110	181	8,100
Engineering mechanics, physics, and science	1,074	48	0	67	16	0	330	25	14	574
Industrial and manufacturing engineering	1,520	43	3	58	39	0	277	6	21	1,073

**Table 3-1****S&E graduate students, by field, sex, degree, citizenship, ethnicity, and race: 2021**

(Number)

Field, sex, and degree	Total	U.S. citizens and permanent residents								Temporary visa holders
		Hispanic or Latino <sup>a</sup>	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	9,185	436	10	434	163	1	2,345	148	170	5,478
Metallurgical, mining, materials and related engineering fields	3,375	207	5	214	62	0	1,058	74	45	1,710
Nuclear engineering	817	55	0	40	14	0	413	29	23	243
Petroleum engineering	468	5	0	11	10	0	46	3	7	386
Systems engineering and operations research	1,140	31	1	72	45	1	370	25	47	548
Engineering nec	3,274	119	2	184	125	0	860	55	57	1,872

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

<sup>a</sup> 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, 2021.