

Table 3-3**Hispanic or Latino U.S. citizen and permanent resident S&E graduate students in all institutions and in HHEs, by field, degree, and sex: 2018**

(Number and percent)

Field and degree	All institutions (number)			HHEs (number)			HHEs (%)		
	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male
All S&E graduate students	41,833	21,371	20,462	14,820	8,076	6,744	35.43	37.79	32.96
Science	33,894	19,293	14,601	12,239	7,421	4,818	36.11	38.46	33.00
Agricultural sciences	601	336	265	236	127	109	39.27	37.80	41.13
Biological and biomedical sciences	7,577	4,424	3,153	2,031	1,214	817	26.80	27.44	25.91
Computer and information sciences	3,694	910	2,784	952	201	751	25.77	22.09	26.98
Geosciences, atmospheric sciences, and ocean sciences	831	441	390	314	151	163	37.79	34.24	41.79
Mathematics and statistics	1,478	482	996	659	245	414	44.59	50.83	41.57
Multidisciplinary and interdisciplinary studies	838	478	360	312	194	118	37.23	40.59	32.78
Natural resources and conservation	902	546	356	338	196	142	37.47	35.90	39.89
Physical sciences	2,540	920	1,620	820	314	506	32.28	34.13	31.23
Psychology	8,303	6,536	1,767	4,103	3,260	843	49.42	49.88	47.71
Social sciences	7,130	4,220	2,910	2,474	1,519	955	34.70	36.00	32.82
Engineering	7,939	2,078	5,861	2,581	655	1,926	32.51	31.52	32.86
Aerospace, aeronautical, and astronautical engineering	366	49	317	68	4	64	18.58	8.16	20.19
Agricultural engineering	33	12	21	0	0	0	0.00	0.00	0.00
Bioengineering and biomedical engineering	792	356	436	197	90	107	24.87	25.28	24.54
Biological and biosystems engineering	12	8	4	1	1	0	8.33	12.50	0.00
Chemical engineering	363	116	247	64	26	38	17.63	22.41	15.38
Civil engineering	1,349	470	879	592	191	401	43.88	40.64	45.62
Electrical, electronics, and communications engineering	1,623	259	1,364	621	96	525	38.26	37.07	38.49
Engineering mechanics, physics, and science	72	18	54	5	2	3	6.94	11.11	5.56
Industrial and manufacturing engineering	814	257	557	297	109	188	36.49	42.41	33.75
Mechanical engineering	1,375	237	1,138	509	80	429	37.02	33.76	37.70
Metallurgical and materials engineering	335	108	227	71	26	45	21.19	24.07	19.82
Mining engineering	21	4	17	0	0	0	0.00	0.00	0.00
Nanotechnology	9	2	7	6	1	5	66.67	50.00	71.43
Nuclear engineering	94	20	74	3	0	3	3.19	0.00	4.05
Petroleum engineering	46	12	34	5	2	3	10.87	16.67	8.82
Engineering nec	635	150	485	142	27	115	22.36	18.00	23.71
All S&E master's students	26,639	13,790	12,849	11,196	6,114	5,082	42.03	44.34	39.55
Science	21,203	12,455	8,748	9,080	5,610	3,470	42.82	45.04	39.67
Agricultural sciences	457	259	198	221	121	100	48.36	46.72	50.51
Biological and biomedical sciences	3,454	2,175	1,279	1,313	820	493	38.01	37.70	38.55
Computer and information sciences	3,320	827	2,493	860	189	671	25.90	22.85	26.92
Geosciences, atmospheric sciences, and ocean sciences	454	230	224	208	95	113	45.81	41.30	50.45
Mathematics and statistics	958	349	609	538	220	318	56.16	63.04	52.22
Multidisciplinary and interdisciplinary studies	654	382	272	263	167	96	40.21	43.72	35.29

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	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male
Natural resources and conservation	671	409	262	266	156	110	39.64	38.14	41.98
Physical sciences	612	232	380	364	132	232	59.48	56.90	61.05
Psychology	5,789	4,698	1,091	3,126	2,530	596	54.00	53.85	54.63
Social sciences	4,834	2,894	1,940	1,921	1,180	741	39.74	40.77	38.20
Engineering	5,436	1,335	4,101	2,116	504	1,612	38.93	37.75	39.31
Aerospace, aeronautical, and astronautical engineering	257	32	225	64	4	60	24.90	12.50	26.67
Agricultural engineering	14	5	9	0	0	0	0.00	0.00	0.00
Bioengineering and biomedical engineering	312	132	180	108	48	60	34.62	36.36	33.33
Biological and biosystems engineering	6	4	2	1	1	0	16.67	25.00	0.00
Chemical engineering	122	35	87	31	9	22	25.41	25.71	25.29
Civil engineering	1,082	353	729	525	164	361	48.52	46.46	49.52
Electrical, electronics, and communications engineering	1,236	206	1,030	534	82	452	43.20	39.81	43.88
Engineering mechanics, physics, and science	28	6	22	0	0	0	0.00	0.00	0.00
Industrial and manufacturing engineering	731	230	501	284	103	181	38.85	44.78	36.13
Mechanical engineering	959	161	798	429	65	364	44.73	40.37	45.61
Metallurgical and materials engineering	109	38	71	34	12	22	31.19	31.58	30.99
Mining engineering	14	3	11	0	0	0	0.00	0.00	0.00
Nanotechnology	7	1	6	6	1	5	85.71	100.00	83.33
Nuclear engineering	35	6	29	3	0	3	8.57	0.00	10.34
Petroleum engineering	40	11	29	4	1	3	10.00	9.09	10.34
Engineering nec	484	112	372	93	14	79	19.21	12.50	21.24
All S&E doctoral students	15,194	7,581	7,613	3,624	1,962	1,662	23.85	25.88	21.83
Science	12,691	6,838	5,853	3,159	1,811	1,348	24.89	26.48	23.03
Agricultural sciences	144	77	67	15	6	9	10.42	7.79	13.43
Biological and biomedical sciences	4,123	2,249	1,874	718	394	324	17.41	17.52	17.29
Computer and information sciences	374	83	291	92	12	80	24.60	14.46	27.49
Geosciences, atmospheric sciences, and ocean sciences	377	211	166	106	56	50	28.12	26.54	30.12
Mathematics and statistics	520	133	387	121	25	96	23.27	18.80	24.81
Multidisciplinary and interdisciplinary studies	184	96	88	49	27	22	26.63	28.13	25.00
Natural resources and conservation	231	137	94	72	40	32	31.17	29.20	34.04
Physical sciences	1,928	688	1,240	456	182	274	23.65	26.45	22.10
Psychology	2,514	1,838	676	977	730	247	38.86	39.72	36.54
Social sciences	2,296	1,326	970	553	339	214	24.09	25.57	22.06
Engineering	2,503	743	1,760	465	151	314	18.58	20.32	17.84
Aerospace, aeronautical, and astronautical engineering	109	17	92	4	0	4	3.67	0.00	4.35
Agricultural engineering	19	7	12	0	0	0	0.00	0.00	0.00

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	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male	All S&E graduate students	Female	Male
Bioengineering and biomedical engineering	480	224	256	89	42	47	18.54	18.75	18.36
Biological and biosystems engineering	6	4	2	0	0	0	0.00	0.00	0.00
Chemical engineering	241	81	160	33	17	16	13.69	20.99	10.00
Civil engineering	267	117	150	67	27	40	25.09	23.08	26.67
Electrical, electronics, and communications engineering	387	53	334	87	14	73	22.48	26.42	21.86
Engineering mechanics, physics, and science	44	12	32	5	2	3	11.36	16.67	9.38
Industrial and manufacturing engineering	83	27	56	13	6	7	15.66	22.22	12.50
Mechanical engineering	416	76	340	80	15	65	19.23	19.74	19.12
Metallurgical and materials engineering	226	70	156	37	14	23	16.37	20.00	14.74
Mining engineering	7	1	6	0	0	0	0.00	0.00	0.00
Nanotechnology	2	1	1	0	0	0	0.00	0.00	0.00
Nuclear engineering	59	14	45	0	0	0	0.00	0.00	0.00
Petroleum engineering	6	1	5	1	1	0	16.67	100.00	0.00
Engineering nec	151	38	113	49	13	36	32.45	34.21	31.86

HHEs = high-Hispanic-enrollment institutions; nec = not elsewhere classified; S&E = science and engineering.

Note(s):

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.