

TABLE 2-4

Graduate students in science, engineering, and health broad fields, by degree program, citizenship, ethnicity, and race: 2019

(Number and percent)

Broad field	Total		Hispanic or Latino		Not Hispanic or Latino														Unknown ethnicity and race		Temporary visa holders	
					American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White		More than one race							
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent				
All graduate students	690,117	100.0	54,467	100.0	2,077	100.0	48,844	100.0	38,048	100.0	744	100.0	272,545	100.0	15,613	100.0	24,166	100.0	233,613	100.0		
Science	453,691	65.7	38,193	70.1	1,526	73.5	31,482	64.5	26,450	69.5	542	72.8	186,405	68.4	10,902	69.8	16,868	69.8	141,323	60.5		
Agricultural sciences	9,518	1.4	636	1.2	33	1.6	267	0.5	329	0.9	16	2.2	5,003	1.8	186	1.2	181	0.7	2,867	1.2		
Biological and biomedical sciences	91,993	13.3	8,450	15.5	276	13.3	8,819	18.1	5,270	13.9	147	19.8	43,821	16.1	2,630	16.8	3,680	15.2	18,900	8.1		
Computer and information sciences	101,284	14.7	4,203	7.7	119	5.7	9,343	19.1	5,247	13.8	69	9.3	23,620	8.7	1,587	10.2	2,921	12.1	54,175	23.2		
Geosciences, atmospheric sciences, and ocean sciences	11,878	1.7	882	1.6	39	1.9	377	0.8	258	0.7	9	1.2	7,080	2.6	320	2.0	361	1.5	2,552	1.1		
Mathematics and statistics	33,159	4.8	1,679	3.1	57	2.7	2,391	4.9	716	1.9	7	0.9	9,913	3.6	486	3.1	1,001	4.1	16,909	7.2		
Multidisciplinary and interdisciplinary studies	11,181	1.6	935	1.7	36	1.7	880	1.8	788	2.1	20	2.7	4,807	1.8	292	1.9	356	1.5	3,067	1.3		
Natural resources and conservation	11,743	1.7	989	1.8	122	5.9	358	0.7	364	1.0	23	3.1	7,388	2.7	355	2.3	441	1.8	1,703	0.7		
Physical sciences	42,867	6.2	2,792	5.1	89	4.3	2,400	4.9	1,063	2.8	21	2.8	17,826	6.5	875	5.6	1,021	4.2	16,780	7.2		
Psychology	61,069	8.8	9,931	18.2	276	13.3	3,016	6.2	6,184	16.3	111	14.9	32,160	11.8	2,117	13.6	3,649	15.1	3,625	1.6		
Social sciences	78,999	11.4	7,696	14.1	479	23.1	3,631	7.4	6,231	16.4	119	16.0	34,787	12.8	2,054	13.2	3,257	13.5	20,745	8.9		
Engineering	164,004	23.8	8,643	15.9	242	11.7	11,390	23.3	4,220	11.1	95	12.8	48,892	17.9	2,773	17.8	3,727	15.4	84,022	36.0		
Health	72,422	10.5	7,631	14.0	309	14.9	5,972	12.2	7,378	19.4	107	14.4	37,248	13.7	1,938	12.4	3,571	14.8	8,268	3.5		
Clinical medicine ^a	30,822	4.5	3,433	6.3	177	8.5	3,119	6.4	4,393	11.5	56	7.5	13,614	5.0	971	6.2	1,793	7.4	3,266	1.4		
Other health	41,600	6.0	4,198	7.7	132	6.4	2,853	5.8	2,985	7.8	51	6.9	23,634	8.7	967	6.2	1,778	7.4	5,002	2.1		
Master's students	408,228	59.2	36,777	67.5	1,327	63.9	31,301	64.1	27,598	72.5	542	72.8	163,836	60.1	9,593	61.4	16,396	67.8	120,858	51.7		
Science	259,795	37.6	24,330	44.7	902	43.4	19,529	40.0	18,996	49.9	382	51.3	103,762	38.1	6,339	40.6	11,138	46.1	74,417	31.9		
Agricultural sciences	5,629	0.8	470	0.9	23	1.1	160	0.3	227	0.6	14	1.9	3,425	1.3	134	0.9	123	0.5	1,053	0.5		
Biological and biomedical sciences	38,078	5.5	3,817	7.0	120	5.8	4,197	8.6	3,210	8.4	92	12.4	18,281	6.7	1,193	7.6	2,018	8.4	5,150	2.2		
Computer and information sciences	84,092	12.2	3,777	6.9	108	5.2	8,274	16.9	4,803	12.6	58	7.8	19,908	7.3	1,347	8.6	2,494	10.3	43,323	18.5		
Geosciences, atmospheric sciences, and ocean sciences	5,327	0.8	472	0.9	22	1.1	133	0.3	152	0.4	7	0.9	3,722	1.4	154	1.0	179	0.7	486	0.2		
Mathematics and statistics	19,594	2.8	1,123	2.1	42	2.0	1,619	3.3	519	1.4	5	0.7	5,425	2.0	256	1.6	650	2.7	9,955	4.3		
Multidisciplinary and interdisciplinary studies	8,203	1.2	734	1.3	21	1.0	686	1.4	619	1.6	13	1.7	3,450	1.3	231	1.5	261	1.1	2,188	0.9		
Natural resources and conservation	8,066	1.2	691	1.3	86	4.1	230	0.5	216	0.6	21	2.8	5,442	2.0	273	1.7	291	1.2	816	0.3		
Physical sciences	6,361	0.9	698	1.3	26	1.3	439	0.9	335	0.9	6	0.8	2,799	1.0	165	1.1	190	0.8	1,703	0.7		
Psychology	40,838	5.9	7,361	13.5	181	8.7	1,795	3.7	4,709	12.4	87	11.7	20,798	7.6	1,336	8.6	2,963	12.3	1,608	0.7		
Social sciences	43,607	6.3	5,187	9.5	273	13.1	1,996	4.1	4,206	11.1	79	10.6	20,512	7.5	1,250	8.0	1,969	8.1	8,135	3.5		
Engineering	91,939	13.3	5,846	10.7	168	8.1	7,009	14.3	2,708	7.1	69	9.3	30,121	11.1	1,672	10.7	2,280	9.4	42,066	18.0		
Health	56,494	8.2	6,601	12.1	257	12.4	4,763	9.8	5,894	15.5	91	12.2	29,953	11.0	1,582	10.1	2,978	12.3	4,375	1.9		
Clinical medicine ^a	26,251	3.8	3,004	5.5	156	7.5	2,743	5.6	3,799	10.0	46	6.2	11,703	4.3	842	5.4	1,639	6.8	2,319	1.0		
Other health	30,243	4.4	3,597	6.6	101	4.9	2,020	4.1	2,095	5.5	45	6.0	18,250	6.7	740	4.7	1,339	5.5	2,056	0.9		
Doctoral students	281,889	40.8	17,690	32.5	750	36.1	17,543	35.9	10,450	27.5	202	27.2	108,709	39.9	6,020	38.6	7,770	32.2	112,755	48.3		
Science	193,896	28.1	13,863	25.5	624	30.0	11,953	24.5	7,454	19.6	160	21.5	82,643	30.3	4,563	29.2	5,730	23.7	66,906	28.6		

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					American Indian or Alaska Native		Asian		Black or African American		Native Hawaiian or Other Pacific Islander		White		More than one race					
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Agricultural sciences	3,889	0.6	166	0.3	10	0.5	107	0.2	102	0.3	2	0.3	1,578	0.6	52	0.3	58	0.2	1,814	0.8
Biological and biomedical sciences	53,915	7.8	4,633	8.5	156	7.5	4,622	9.5	2,060	5.4	55	7.4	25,540	9.4	1,437	9.2	1,662	6.9	13,750	5.9
Computer and information sciences	17,192	2.5	426	0.8	11	0.5	1,069	2.2	444	1.2	11	1.5	3,712	1.4	240	1.5	427	1.8	10,852	4.6
Geosciences, atmospheric sciences, and ocean sciences	6,551	0.9	410	0.8	17	0.8	244	0.5	106	0.3	2	0.3	3,358	1.2	166	1.1	182	0.8	2,066	0.9
Mathematics and statistics	13,565	2.0	556	1.0	15	0.7	772	1.6	197	0.5	2	0.3	4,488	1.6	230	1.5	351	1.5	6,954	3.0
Multidisciplinary and interdisciplinary studies	2,978	0.4	201	0.4	15	0.7	194	0.4	169	0.4	7	0.9	1,357	0.5	61	0.4	95	0.4	879	0.4
Natural resources and conservation	3,677	0.5	298	0.5	36	1.7	128	0.3	148	0.4	2	0.3	1,946	0.7	82	0.5	150	0.6	887	0.4
Physical sciences	36,506	5.3	2,094	3.8	63	3.0	1,961	4.0	728	1.9	15	2.0	15,027	5.5	710	4.5	831	3.4	15,077	6.5
Psychology	20,231	2.9	2,570	4.7	95	4.6	1,221	2.5	1,475	3.9	24	3.2	11,362	4.2	781	5.0	686	2.8	2,017	0.9
Social sciences	35,392	5.1	2,509	4.6	206	9.9	1,635	3.3	2,025	5.3	40	5.4	14,275	5.2	804	5.1	1,288	5.3	12,610	5.4
Engineering	72,065	10.4	2,797	5.1	74	3.6	4,381	9.0	1,512	4.0	26	3.5	18,771	6.9	1,101	7.1	1,447	6.0	41,956	18.0
Health	15,928	2.3	1,030	1.9	52	2.5	1,209	2.5	1,484	3.9	16	2.2	7,295	2.7	356	2.3	593	2.5	3,893	1.7
Clinical medicine ^a	4,571	0.7	429	0.8	21	1.0	376	0.8	594	1.6	10	1.3	1,911	0.7	129	0.8	154	0.6	947	0.4
Other health	11,357	1.6	601	1.1	31	1.5	833	1.7	890	2.3	6	0.8	5,384	2.0	227	1.5	439	1.8	2,946	1.3

^a Clinical medicine includes graduate students in public health and clinical medicine not elsewhere classified.

Note(s):
Percentages may not add to total because of rounding. Ethnicity and race data are available only for U.S. citizens and permanent residents.

Source(s):
National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2019.