

TABLE 2-3

## Demographic characteristics of master's and doctoral students in science, engineering and health, by enrollment intensity: 2019

(Number and percent)

Sex, citizenship, ethnicity, and race	Full time												Part time					
	All full time						First time, full time						All part time		Master's		Doctoral	
	Total		Master's		Doctoral		All first time, full time		Master's		Doctoral		Number	Percent	Number	Percent	Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All individuals	502,442	100.0	254,532	100.0	247,910	100.0	163,032	100.0	116,507	100.0	46,525	100.0	187,675	100.0	153,696	100.0	33,979	100.0
Male	263,941	52.5	123,385	48.5	140,556	56.7	81,974	50.3	56,573	48.6	25,401	54.6	101,054	53.8	82,383	53.6	18,671	54.9
Female	238,501	47.5	131,147	51.5	107,354	43.3	81,058	49.7	59,934	51.4	21,124	45.4	86,621	46.2	71,313	46.4	15,308	45.1
U.S. citizens and permanent residents <sup>a</sup>	297,997	59.3	154,190	60.6	143,807	58.0	96,074	58.9	68,897	59.1	27,177	58.4	158,507	84.5	133,180	86.7	25,327	74.5
Hispanic or Latino	35,983	7.2	20,595	8.1	15,388	6.2	12,301	7.5	9,034	7.8	3,267	7.0	18,484	9.8	16,182	10.5	2,302	6.8
Not Hispanic or Latino																		
American Indian or Alaska Native	1,359	0.3	746	0.3	613	0.2	429	0.3	314	0.3	115	0.2	718	0.4	581	0.4	137	0.4
Asian	32,316	6.4	16,900	6.6	15,416	6.2	11,495	7.1	8,487	7.3	3,008	6.5	16,528	8.8	14,401	9.4	2,127	6.3
Black or African American	21,955	4.4	13,983	5.5	7,972	3.2	7,825	4.8	6,188	5.3	1,637	3.5	16,093	8.6	13,615	8.9	2,478	7.3
Native Hawaiian or Other Pacific Islander	444	0.1	285	0.1	159	0.1	160	0.1	136	0.1	24	0.1	300	0.2	257	0.2	43	0.1
White	181,065	36.0	88,477	34.8	92,588	37.3	56,122	34.4	39,055	33.5	17,067	36.7	91,480	48.7	75,359	49.0	16,121	47.4
More than one race	10,827	2.2	5,548	2.2	5,279	2.1	3,545	2.2	2,498	2.1	1,047	2.3	4,786	2.6	4,045	2.6	741	2.2
Unknown ethnicity and race	14,048	2.8	7,656	3.0	6,392	2.6	4,197	2.6	3,185	2.7	1,012	2.2	10,118	5.4	8,740	5.7	1,378	4.1
Temporary visa holders	204,445	40.7	100,342	39.4	104,103	42.0	66,958	41.1	47,610	40.9	19,348	41.6	29,168	15.5	20,516	13.3	8,652	25.5
Female																		
U.S. citizens and permanent residents <sup>a</sup>	135,890	27.0	62,191	24.4	73,699	29.7	41,371	25.4	28,005	24.0	13,366	28.7	82,447	43.9	69,495	45.2	12,952	38.1
Hispanic or Latino	15,240	3.0	7,630	3.0	7,610	3.1	4,952	3.0	3,360	2.9	1,592	3.4	8,824	4.7	7,748	5.0	1,076	3.2
Not Hispanic or Latino																		
American Indian or Alaska Native	538	0.1	289	0.1	249	0.1	162	0.1	117	0.1	45	0.1	293	0.2	243	0.2	50	0.1
Asian	15,906	3.2	7,908	3.1	7,998	3.2	5,495	3.4	3,989	3.4	1,506	3.2	9,547	5.1	8,407	5.5	1,140	3.4
Black or African American	7,761	1.5	4,648	1.8	3,113	1.3	2,640	1.6	2,021	1.7	619	1.3	6,964	3.7	5,945	3.9	1,019	3.0
Native Hawaiian or Other Pacific Islander	196	*	125	*	71	*	72	*	58	*	14	*	148	0.1	129	0.1	19	0.1
White	84,915	16.9	36,277	14.3	48,638	19.6	24,721	15.2	16,136	13.8	8,585	18.5	49,312	26.3	40,756	26.5	8,556	25.2
More than one race	4,768	0.9	2,215	0.9	2,553	1.0	1,511	0.9	1,017	0.9	494	1.1	2,350	1.3	1,998	1.3	352	1.0
Unknown ethnicity and race	6,566	1.3	3,099	1.2	3,467	1.4	1,818	1.1	1,307	1.1	511	1.1	5,009	2.7	4,269	2.8	740	2.2
Temporary visa holders	128,051	25.5	61,194	24.0	66,857	27.0	40,603	24.9	28,568	24.5	12,035	25.9	18,607	9.9	12,888	8.4	5,719	16.8
Female																		
U.S. citizens and permanent residents <sup>a</sup>	162,107	32.3	91,999	36.1	70,108	28.3	54,703	33.6	40,892	35.1	13,811	29.7	76,060	40.5	63,685	41.4	12,375	36.4
Hispanic or Latino	20,743	4.1	12,965	5.1	7,778	3.1	7,349	4.5	5,674	4.9	1,675	3.6	9,660	5.1	8,434	5.5	1,226	3.6
Not Hispanic or Latino																		
American Indian or Alaska Native	821	0.2	457	0.2	364	0.1	267	0.2	197	0.2	70	0.2	425	0.2	338	0.2	87	0.3
Asian	16,410	3.3	8,992	3.5	7,418	3.0	6,000	3.7	4,498	3.9	1,502	3.2	6,981	3.7	5,994	3.9	987	2.9
Black or African American	14,194	2.8	9,335	3.7	4,859	2.0	5,185	3.2	4,167	3.6	1,018	2.2	9,129	4.9	7,670	5.0	1,459	4.3

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	Total		Master's		Doctoral		All first time, full time		Master's		Doctoral		All part time		Master's		Doctoral				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent			
Native Hawaiian or Other Pacific Islander	248	*	160	0.1	88	*	88	0.1	78	0.1	10	*	152	0.1	128	0.1	24	0.1			
White	96,150	19.1	52,200	20.5	43,950	17.7	31,401	19.3	22,919	19.7	8,482	18.2	42,168	22.5	34,603	22.5	7,565	22.3			
More than one race	6,059	1.2	3,333	1.3	2,726	1.1	2,034	1.2	1,481	1.3	553	1.2	2,436	1.3	2,047	1.3	389	1.1			
Unknown ethnicity and race	7,482	1.5	4,557	1.8	2,925	1.2	2,379	1.5	1,878	1.6	501	1.1	5,109	2.7	4,471	2.9	638	1.9			
Temporary visa holders	76,394	15.2	39,148	15.4	37,246	15.0	26,355	16.2	19,042	16.3	7,313	15.7	10,561	5.6	7,628	5.0	2,933	8.6			

\* = value < 0.05%.

<sup>a</sup> Ethnicity and race data are available only for U.S. citizens and permanent residents.

**Note(s):**

Percentages may not add to total because of rounding.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2019.