

TABLE 2-3

Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2023

(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	598,588	100.0	329,971	100.0	268,617	100.0	203,798	100.0	153,545	100.0	50,253	100.0	219,507	100.0	180,895	100.0	38,612	100.0
Male	309,437	51.7	164,977	50.0	144,460	53.8	104,600	51.3	78,236	51.0	26,364	52.5	112,884	51.4	93,698	51.8	19,186	49.7
Female	289,151	48.3	164,994	50.0	124,157	46.2	99,198	48.7	75,309	49.0	23,889	47.5	106,623	48.6	87,197	48.2	19,426	50.3
U.S. citizens and permanent residents ^a	316,629	52.9	164,019	49.7	152,610	56.8	102,285	50.2	75,236	49.0	27,049	53.8	179,179	81.6	149,590	82.7	29,589	76.6
Hispanic or Latino	45,290	7.6	26,025	7.9	19,265	7.2	15,343	7.5	11,666	7.6	3,677	7.3	25,138	11.5	22,074	12.2	3,064	7.9
Not Hispanic or Latino																		
American Indian or Alaska Native	1,286	0.2	694	0.2	592	0.2	393	0.2	307	0.2	86	0.2	698	0.3	517	0.3	181	0.5
Asian	40,712	6.8	21,580	6.5	19,132	7.1	14,342	7.0	10,810	7.0	3,532	7.0	21,837	9.9	19,350	10.7	2,487	6.4
Black or African American	26,580	4.4	15,825	4.8	10,755	4.0	9,413	4.6	7,360	4.8	2,053	4.1	19,696	9.0	15,939	8.8	3,757	9.7
Native Hawaiian or Other Pacific Islander	405	0.1	248	0.1	157	0.1	124	0.1	100	0.1	24	*	349	0.2	296	0.2	53	0.1
White	174,278	29.1	85,349	25.9	88,929	33.1	53,567	26.3	38,430	25.0	15,137	30.1	95,199	43.4	77,898	43.1	17,301	44.8
More than one race	13,855	2.3	6,908	2.1	6,947	2.6	4,599	2.3	3,207	2.1	1,392	2.8	6,149	2.8	5,212	2.9	937	2.4
Unknown ethnicity and race	14,223	2.4	7,390	2.2	6,833	2.5	4,504	2.2	3,356	2.2	1,148	2.3	10,113	4.6	8,304	4.6	1,809	4.7
Temporary visa holders	281,959	47.1	165,952	50.3	116,007	43.2	101,513	49.8	78,309	51.0	23,204	46.2	40,328	18.4	31,305	17.3	9,023	23.4
Female																		
U.S. citizens and permanent residents ^a	136,268	22.8	63,296	19.2	72,972	27.2	42,514	20.9	30,058	19.6	12,456	24.8	88,016	40.1	74,444	41.2	13,572	35.1
Hispanic or Latino	18,122	3.0	9,189	2.8	8,933	3.3	5,910	2.9	4,273	2.8	1,637	3.3	11,430	5.2	10,115	5.6	1,315	3.4
Not Hispanic or Latino																		
American Indian or Alaska Native	479	0.1	242	0.1	237	0.1	149	0.1	117	0.1	32	0.1	280	0.1	217	0.1	63	0.2
Asian	19,396	3.2	9,882	3.0	9,514	3.5	6,818	3.3	5,112	3.3	1,706	3.4	11,967	5.5	10,763	5.9	1,204	3.1
Black or African American	9,182	1.5	5,161	1.6	4,021	1.5	3,177	1.6	2,425	1.6	752	1.5	7,763	3.5	6,393	3.5	1,370	3.5
Native Hawaiian or Other Pacific Islander	163	*	91	*	72	*	48	*	36	*	12	*	173	0.1	148	0.1	25	0.1
White	76,640	12.8	32,966	10.0	43,674	16.3	22,449	11.0	15,323	10.0	7,126	14.2	48,263	22.0	39,882	22.0	8,381	21.7
More than one race	5,862	1.0	2,758	0.8	3,104	1.2	1,933	0.9	1,291	0.8	642	1.3	2,917	1.3	2,531	1.4	386	1.0
Unknown ethnicity and race	6,424	1.1	3,007	0.9	3,417	1.3	2,030	1.0	1,481	1.0	549	1.1	5,223	2.4	4,395	2.4	828	2.1
Temporary visa holders	173,169	28.9	101,681	30.8	71,488	26.6	62,086	30.5	48,178	31.4	13,908	27.7	24,868	11.3	19,254	10.6	5,614	14.5
U.S. citizens and permanent residents ^a	180,361	30.1	100,723	30.5	79,638	29.6	59,771	29.3	45,178	29.4	14,593	29.0	91,163	41.5	75,146	41.5	16,017	41.5
Hispanic or Latino	27,168	4.5	16,836	5.1	10,332	3.8	9,433	4.6	7,393	4.8	2,040	4.1	13,708	6.2	11,959	6.6	1,749	4.5
Not Hispanic or Latino																		
American Indian or Alaska Native	807	0.1	452	0.1	355	0.1	244	0.1	190	0.1	54	0.1	418	0.2	300	0.2	118	0.3
Asian	21,316	3.6	11,698	3.5	9,618	3.6	7,524	3.7	5,698	3.7	1,826	3.6	9,870	4.5	8,587	4.7	1,283	3.3
Black or African American	17,398	2.9	10,664	3.2	6,734	2.5	6,236	3.1	4,935	3.2	1,301	2.6	11,933	5.4	9,546	5.3	2,387	6.2

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	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
Native Hawaiian or Other Pacific Islander	242	*	157	*	85	*	76	*	64	*	12	*	176	0.1	148	0.1	28	0.1
White	97,638	16.3	52,383	15.9	45,255	16.8	31,118	15.3	23,107	15.0	8,011	15.9	46,936	21.4	38,016	21.0	8,920	23.1
More than one race	7,993	1.3	4,150	1.3	3,843	1.4	2,666	1.3	1,916	1.2	750	1.5	3,232	1.5	2,681	1.5	551	1.4
Unknown ethnicity and race	7,799	1.3	4,383	1.3	3,416	1.3	2,474	1.2	1,875	1.2	599	1.2	4,890	2.2	3,909	2.2	981	2.5
Temporary visa holders	108,790	18.2	64,271	19.5	44,519	16.6	39,427	19.3	30,131	19.6	9,296	18.5	15,460	7.0	12,051	6.7	3,409	8.8

* = value < 0.05%.

^a 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. Graduate student data in this table include master's students in health sciences. For more information on the comparability of these counts to other data published by the National Center for Science and Engineering Statistics, see the "Technical Notes."

Source(s):

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering, 2023.