

TABLE 2-3

## Demographic characteristics of master's and doctoral students in science, engineering, and health, by enrollment intensity: 2022

(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	579,301	100.0	319,618	100.0	259,683	100.0	194,733	100.0	147,317	100.0	47,416	100.0	219,233	100.0	181,693	100.0	37,540	100.0
Male	298,639	51.6	157,519	49.3	141,120	54.3	98,829	50.8	74,130	50.3	24,699	52.1	113,470	51.8	94,012	51.7	19,458	51.8
Female	280,662	48.4	162,099	50.7	118,563	45.7	95,904	49.2	73,187	49.7	22,717	47.9	105,763	48.2	87,681	48.3	18,082	48.2
U.S. citizens and permanent residents <sup>a</sup>	318,809	55.0	168,660	52.8	150,149	57.8	99,162	50.9	72,404	49.1	26,758	56.4	181,490	82.8	153,345	84.4	28,145	75.0
Hispanic or Latino	44,443	7.7	26,103	8.2	18,340	7.1	14,460	7.4	10,881	7.4	3,579	7.5	25,178	11.5	22,200	12.2	2,978	7.9
Not Hispanic or Latino																		
American Indian or Alaska Native	1,371	0.2	794	0.2	577	0.2	461	0.2	353	0.2	108	0.2	711	0.3	537	0.3	174	0.5
Asian	39,545	6.8	21,351	6.7	18,194	7.0	13,456	6.9	10,072	6.8	3,384	7.1	21,881	10.0	19,522	10.7	2,359	6.3
Black or African American	25,521	4.4	15,880	5.0	9,641	3.7	8,567	4.4	6,717	4.6	1,850	3.9	18,495	8.4	15,518	8.5	2,977	7.9
Native Hawaiian or Other Pacific Islander	431	0.1	272	0.1	159	0.1	139	0.1	113	0.1	26	0.1	307	0.1	269	0.1	38	0.1
White	180,896	31.2	90,532	28.3	90,364	34.8	53,723	27.6	38,316	26.0	15,407	32.5	98,761	45.0	81,680	45.0	17,081	45.5
More than one race	13,378	2.3	6,923	2.2	6,455	2.5	4,417	2.3	3,141	2.1	1,276	2.7	5,953	2.7	5,079	2.8	874	2.3
Unknown ethnicity and race	13,224	2.3	6,805	2.1	6,419	2.5	3,939	2.0	2,811	1.9	1,128	2.4	10,204	4.7	8,540	4.7	1,664	4.4
Temporary visa holders	260,492	45.0	150,958	47.2	109,534	42.2	95,571	49.1	74,913	50.9	20,658	43.6	37,743	17.2	28,348	15.6	9,395	25.0
Female																		
U.S. citizens and permanent residents <sup>a</sup>	137,593	23.8	64,543	20.2	73,050	28.1	40,512	20.8	28,218	19.2	12,294	25.9	89,954	41.0	76,439	42.1	13,515	36.0
Hispanic or Latino	17,696	3.1	9,097	2.8	8,599	3.3	5,515	2.8	3,929	2.7	1,586	3.3	11,614	5.3	10,300	5.7	1,314	3.5
Not Hispanic or Latino																		
American Indian or Alaska Native	465	0.1	239	0.1	226	0.1	133	0.1	95	0.1	38	0.1	283	0.1	218	0.1	65	0.2
Asian	18,733	3.2	9,581	3.0	9,152	3.5	6,178	3.2	4,550	3.1	1,628	3.4	12,001	5.5	10,846	6.0	1,155	3.1
Black or African American	8,645	1.5	4,996	1.6	3,649	1.4	2,825	1.5	2,160	1.5	665	1.4	7,466	3.4	6,299	3.5	1,167	3.1
Native Hawaiian or Other Pacific Islander	173	*	110	*	63	*	53	*	41	*	12	*	152	0.1	130	0.1	22	0.1
White	80,145	13.8	35,060	11.0	45,085	17.4	22,266	11.4	15,009	10.2	7,257	15.3	50,334	23.0	41,812	23.0	8,522	22.7
More than one race	5,653	1.0	2,724	0.9	2,929	1.1	1,808	0.9	1,275	0.9	533	1.1	2,852	1.3	2,451	1.3	401	1.1
Unknown ethnicity and race	6,083	1.1	2,736	0.9	3,347	1.3	1,734	0.9	1,159	0.8	575	1.2	5,252	2.4	4,383	2.4	869	2.3
Temporary visa holders	161,046	27.8	92,976	29.1	68,070	26.2	58,317	29.9	45,912	31.2	12,405	26.2	23,516	10.7	17,573	9.7	5,943	15.8
Male																		
U.S. citizens and permanent residents <sup>a</sup>	181,216	31.3	104,117	32.6	77,099	29.7	58,650	30.1	44,186	30.0	14,464	30.5	91,536	41.8	76,906	42.3	14,630	39.0
Hispanic or Latino	26,747	4.6	17,006	5.3	9,741	3.8	8,945	4.6	6,952	4.7	1,993	4.2	13,564	6.2	11,900	6.5	1,664	4.4
Not Hispanic or Latino																		
American Indian or Alaska Native	906	0.2	555	0.2	351	0.1	328	0.2	258	0.2	70	0.1	428	0.2	319	0.2	109	0.3
Asian	20,812	3.6	11,770	3.7	9,042	3.5	7,278	3.7	5,522	3.7	1,756	3.7	9,880	4.5	8,676	4.8	1,204	3.2
Black or African American	16,876	2.9	10,884	3.4	5,992	2.3	5,742	2.9	4,557	3.1	1,185	2.5	11,029	5.0	9,219	5.1	1,810	4.8

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(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
Native Hawaiian or Other Pacific Islander	258	*	162	0.1	96	*	86	*	72	*	14	*	155	0.1	139	0.1	16	*
White	100,751	17.4	55,472	17.4	45,279	17.4	31,457	16.2	23,307	15.8	8,150	17.2	48,427	22.1	39,868	21.9	8,559	22.8
More than one race	7,725	1.3	4,199	1.3	3,526	1.4	2,609	1.3	1,866	1.3	743	1.6	3,101	1.4	2,628	1.4	473	1.3
Unknown ethnicity and race	7,141	1.2	4,069	1.3	3,072	1.2	2,205	1.1	1,652	1.1	553	1.2	4,952	2.3	4,157	2.3	795	2.1
Temporary visa holders	99,446	17.2	57,982	18.1	41,464	16.0	37,254	19.1	29,001	19.7	8,253	17.4	14,227	6.5	10,775	5.9	3,452	9.2

\* = value &lt; 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. 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, 2022.