

Table 3**Enrollment of master's students and doctoral students in science, engineering, and health, by enrollment intensity, sex, citizenship, race, and ethnicity: 2017–20**

(Number and percent change)

Characteristic	Master's						Doctoral					
	2017	2018	2019	2020	Percent change		2017	2018	2019	2020	Percent change	
					2017–20	2019–20					2017–20	2019–20
Part-time students	133,577	142,659	153,696	170,619	27.7	11.0	34,747	34,199	33,979	35,679	2.7	5.0
U.S. citizens and permanent residents ^a	110,575	121,757	133,180	146,539	32.5	10.0	25,508	25,133	25,327	25,818	1.2	1.9
Male	59,703	64,500	69,495	75,037	25.7	8.0	13,000	12,752	12,952	12,934	-0.5	-0.1
Female	50,872	57,257	63,685	71,502	40.6	12.3	12,508	12,381	12,375	12,884	3.0	4.1
Hispanic or Latino	12,306	13,912	16,182	19,314	56.9	19.4	2,064	2,152	2,302	2,550	23.5	10.8
Not Hispanic or Latino												
American Indian or Alaska Native	430	534	581	562	30.7	-3.3	168	133	137	158	-6.0	15.3
Asian	11,268	12,675	14,401	16,531	46.7	14.8	1,960	1,961	2,127	2,061	5.2	-3.1
Black or African American	11,420	12,584	13,615	14,853	30.1	9.1	2,140	2,199	2,478	2,503	17.0	1.0
Native Hawaiian or Other Pacific Islander	228	228	257	284	24.6	10.5	45	44	43	40	-11.1	-7.0
White	64,088	69,311	75,359	81,476	27.1	8.1	17,056	16,482	16,121	16,204	-5.0	0.5
More than one race	3,123	3,665	4,045	4,692	50.2	16.0	604	697	741	784	29.8	5.8
Unknown race and ethnicity	7,712	8,848	8,740	8,827	14.5	1.0	1,471	1,465	1,378	1,518	3.2	10.2
Temporary visa holders	23,002	20,902	20,516	24,080	4.7	17.4	9,239	9,066	8,652	9,861	6.7	14.0
Male	15,148	13,357	12,888	14,819	-2.2	15.0	6,103	6,010	5,719	6,374	4.4	11.5
Female	7,854	7,545	7,628	9,261	17.9	21.4	3,136	3,056	2,933	3,487	11.2	18.9
Full-time students	245,010	248,552	254,532	243,859	-0.5	-4.2	235,778	242,897	247,910	247,656	5.0	-0.1
U.S. citizens and permanent residents ^a	141,321	149,533	154,190	167,766	18.7	8.8	139,077	142,158	143,807	146,928	5.6	2.2
Male	60,203	62,052	62,191	66,803	11.0	7.4	73,517	73,849	73,699	74,278	1.0	0.8
Female	81,118	87,481	91,999	100,963	24.5	9.7	65,560	68,309	70,108	72,650	10.8	3.6
Hispanic or Latino	17,316	19,011	20,595	24,436	41.1	18.7	12,935	14,009	15,388	16,379	26.6	6.4
Not Hispanic or Latino												
American Indian or Alaska Native	706	685	746	722	2.3	-3.2	546	580	613	600	9.9	-2.1
Asian	14,825	15,882	16,900	18,544	25.1	9.7	13,992	14,789	15,416	15,958	14.1	3.5
Black or African American	11,846	13,294	13,983	15,989	35.0	14.3	7,343	7,866	7,972	8,571	16.7	7.5
Native Hawaiian or Other Pacific Islander	240	269	285	294	22.5	3.2	190	189	159	160	-15.8	0.6
White	83,943	86,699	88,477	93,614	11.5	5.8	92,215	93,243	92,588	92,761	0.6	0.2
More than one race	4,996	5,455	5,548	6,377	27.6	14.9	4,816	5,047	5,279	5,726	18.9	8.5
Unknown race and ethnicity	7,449	8,238	7,656	7,790	4.6	1.8	7,040	6,435	6,392	6,773	-3.8	6.0
Temporary visa holders	103,689	99,019	100,342	76,093	-26.6	-24.2	96,701	100,739	104,103	100,728	4.2	-3.2
Male	65,694	61,405	61,194	45,489	-30.8	-25.7	63,079	65,408	66,857	64,179	1.7	-4.0
Female	37,995	37,614	39,148	30,604	-19.5	-21.8	33,622	35,331	37,246	36,549	8.7	-1.9
First-time, full-time students	110,980	114,214	116,507	102,096	-8.0	-12.4	45,177	45,510	46,525	41,173	-8.9	-11.5
U.S. citizens and permanent residents ^a	64,513	67,821	68,897	79,715	23.6	15.7	26,902	27,009	27,177	27,744	3.1	2.1
Male	27,523	28,480	28,005	32,396	17.7	15.7	13,859	13,558	13,366	13,419	-3.2	0.4
Female	36,990	39,341	40,892	47,319	27.9	15.7	13,043	13,451	13,811	14,325	9.8	3.7

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Characteristic	Master's						Doctoral					
	2017	2018	2019	2020	Percent change		2017	2018	2019	2020	Percent change	
					2017–20	2019–20					2017–20	2019–20
Hispanic or Latino	7,694	8,618	9,034	11,483	49.2	27.1	2,823	2,921	3,267	3,383	19.8	3.6
Not Hispanic or Latino												
American Indian or Alaska Native	285	291	314	306	7.4	-2.5	89	100	115	96	7.9	-16.5
Asian	7,445	7,966	8,487	9,685	30.1	14.1	2,701	2,954	3,008	3,153	16.7	4.8
Black or African American	5,429	5,789	6,188	7,664	41.2	23.9	1,522	1,593	1,637	1,726	13.4	5.4
Native Hawaiian or Other Pacific Islander	102	138	136	135	32.4	-0.7	24	39	24	27	12.5	12.5
White	37,642	38,837	39,055	44,007	16.9	12.7	17,503	17,291	17,067	16,886	-3.5	-1.1
More than one race	2,440	2,480	2,498	3,063	25.5	22.6	1,099	1,062	1,047	1,160	5.6	10.8
Unknown race and ethnicity	3,476	3,702	3,185	3,372	-3.0	5.9	1,141	1,049	1,012	1,313	15.1	29.7
Temporary visa holders	46,467	46,393	47,610	22,381	-51.8	-53.0	18,275	18,501	19,348	13,429	-26.5	-30.6
Male	28,944	28,372	28,568	12,678	-56.2	-55.6	11,693	11,676	12,035	8,193	-29.9	-31.9
Female	17,523	18,021	19,042	9,703	-44.6	-49.0	6,582	6,825	7,313	5,236	-20.4	-28.4

^a Race and ethnicity data are available for U.S. citizens and permanent residents only.**Source(s):**

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