

Table 1**Graduate enrollment in science, engineering, and health, by degree level, enrollment status, citizenship, sex, ethnicity, and race: 2017–21**

(Number and percent change)

Characteristic	Master's							Doctoral						
	2017	2018	2019	2020	2021	Percent change		2017	2018	2019	2020	2021	Percent change	
						2017–21	2020–21						2017–21	2020–21
Part-time students	133,577	142,659	153,696	170,619	179,799	34.6	5.4	34,747	34,199	33,979	35,679	36,702	5.6	2.9
U.S. citizens and permanent residents ^a	110,575	121,757	133,180	146,539	158,959	43.8	8.5	25,508	25,133	25,327	25,818	27,417	7.5	6.2
Male	59,703	64,500	69,495	75,037	78,751	31.9	4.9	13,000	12,752	12,952	12,934	13,457	3.5	4.0
Female	50,872	57,257	63,685	71,502	80,208	57.7	12.2	12,508	12,381	12,375	12,884	13,960	11.6	8.4
Hispanic or Latino	12,306	13,912	16,182	19,314	21,819	77.3	13.0	2,064	2,152	2,302	2,550	2,662	29.0	4.4
Not Hispanic or Latino														
American Indian or Alaska Native	430	534	581	562	612	42.3	8.9	168	133	137	158	175	4.2	10.8
Asian	11,268	12,675	14,401	16,531	18,935	68.0	14.5	1,960	1,961	2,127	2,061	2,220	13.3	7.7
Black or African American	11,420	12,584	13,615	14,853	16,227	42.1	9.3	2,140	2,199	2,478	2,503	2,869	34.1	14.6
Native Hawaiian or Other Pacific Islander	228	228	257	284	280	22.8	-1.4	45	44	43	40	42	-6.7	5.0
White	64,088	69,311	75,359	81,476	86,935	35.6	6.7	17,056	16,482	16,121	16,204	17,075	0.1	5.4
More than one race	3,123	3,665	4,045	4,692	5,316	70.2	13.3	604	697	741	784	913	51.2	16.5
Unknown race and ethnicity	7,712	8,848	8,740	8,827	8,835	14.6	0.1	1,471	1,465	1,378	1,518	1,461	-0.7	-3.8
Temporary visa holders	23,002	20,902	20,516	24,080	20,840	-9.4	-13.5	9,239	9,066	8,652	9,861	9,285	0.5	-5.8
Male	15,148	13,357	12,888	14,819	12,525	-17.3	-15.5	6,103	6,010	5,719	6,374	5,894	-3.4	-7.5
Female	7,854	7,545	7,628	9,261	8,315	5.9	-10.2	3,136	3,056	2,933	3,487	3,391	8.1	-2.8
Full-time students	245,010	248,552	254,532	243,859	287,022	17.1	17.7	235,778	242,897	247,910	247,656	256,980	9.0	3.8
U.S. citizens and permanent residents ^a	141,321	149,533	154,190	167,766	178,932	26.6	6.7	139,077	142,158	143,807	146,928	150,604	8.3	2.5
Male	60,203	62,052	62,191	66,803	69,806	16.0	4.5	73,517	73,849	73,699	74,278	74,443	1.3	0.2
Female	81,118	87,481	91,999	100,963	109,126	34.5	8.1	65,560	68,309	70,108	72,650	76,161	16.2	4.8
Hispanic or Latino	17,316	19,011	20,595	24,436	26,901	55.4	10.1	12,935	14,009	15,388	16,379	17,829	37.8	8.9
Not Hispanic or Latino														
American Indian or Alaska Native	706	685	746	722	742	5.1	2.8	546	580	613	600	574	5.1	-4.3
Asian	14,825	15,882	16,900	18,544	21,707	46.4	17.1	13,992	14,789	15,416	15,958	17,384	24.2	8.9
Black or African American	11,846	13,294	13,983	15,989	16,933	42.9	5.9	7,343	7,866	7,972	8,571	9,318	26.9	8.7
Native Hawaiian or Other Pacific Islander	240	269	285	294	319	32.9	8.5	190	189	159	160	153	-19.5	-4.4
White	83,943	86,699	88,477	93,614	97,765	16.5	4.4	92,215	93,243	92,588	92,761	92,560	0.4	-0.2
More than one race	4,996	5,455	5,548	6,377	6,987	39.9	9.6	4,816	5,047	5,279	5,726	6,257	29.9	9.3
Unknown race and ethnicity	7,449	8,238	7,656	7,790	7,578	1.7	-2.7	7,040	6,435	6,392	6,773	6,529	-7.3	-3.6
Temporary visa holders	103,689	99,019	100,342	76,093	108,090	4.2	42.0	96,701	100,739	104,103	100,728	106,376	10.0	5.6
Male	65,694	61,405	61,194	45,489	65,825	0.2	44.7	63,079	65,408	66,857	64,179	66,712	5.8	3.9
Female	37,995	37,614	39,148	30,604	42,265	11.2	38.1	33,622	35,331	37,246	36,549	39,664	18.0	8.5
First-time, full-time students	110,980	114,214	116,507	102,096	147,302	32.7	44.3	45,177	45,510	46,525	41,173	46,696	3.4	13.4

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Characteristic	Master's							Doctoral						
	2017	2018	2019	2020	2021	Percent change		2017	2018	2019	2020	2021	Percent change	
						2017–21	2020–21						2017–21	2020–21
U.S. citizens and permanent residents ^a	64,513	67,821	68,897	79,715	82,497	27.9	3.5	26,902	27,009	27,177	27,744	27,533	2.3	-0.8
Male	27,523	28,480	28,005	32,396	32,825	19.3	1.3	13,859	13,558	13,366	13,419	12,706	-8.3	-5.3
Female	36,990	39,341	40,892	47,319	49,672	34.3	5.0	13,043	13,451	13,811	14,325	14,827	13.7	3.5
Hispanic or Latino	7,694	8,618	9,034	11,483	12,208	58.7	6.3	2,823	2,921	3,267	3,383	3,670	30.0	8.5
Not Hispanic or Latino														
American Indian or Alaska Native	285	291	314	306	335	17.5	9.5	89	100	115	96	85	-4.5	-11.5
Asian	7,445	7,966	8,487	9,685	11,202	50.5	15.7	2,701	2,954	3,008	3,153	3,328	23.2	5.6
Black or African American	5,429	5,789	6,188	7,664	7,609	40.2	-0.7	1,522	1,593	1,637	1,726	2,041	34.1	18.3
Native Hawaiian or Other Pacific Islander	102	138	136	135	151	48.0	11.9	24	39	24	27	33	37.5	22.2
White	37,642	38,837	39,055	44,007	44,465	18.1	1.0	17,503	17,291	17,067	16,886	16,070	-8.2	-4.8
More than one race	2,440	2,480	2,498	3,063	3,295	35.0	7.6	1,099	1,062	1,047	1,160	1,196	8.8	3.1
Unknown race and ethnicity	3,476	3,702	3,185	3,372	3,232	-7.0	-4.2	1,141	1,049	1,012	1,313	1,110	-2.7	-15.5
Temporary visa holders	46,467	46,393	47,610	22,381	64,805	39.5	189.6	18,275	18,501	19,348	13,429	19,163	4.9	42.7
Male	28,944	28,372	28,568	12,678	40,053	38.4	215.9	11,693	11,676	12,035	8,193	11,709	0.1	42.9
Female	17,523	18,021	19,042	9,703	24,752	41.3	155.1	6,582	6,825	7,313	5,236	7,454	13.2	42.4

^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.