

**Table 2. Enrollment of master's students and doctoral students in science, engineering, and health, by enrollment intensity, sex, citizenship status, race, and ethnicity: 2020–24**

(Number and percent change)

Characteristic	Master's students							Doctoral students								
	2020	2021	2022	2023	2023adjusted	2024	Percent change		2020	2021	2022	2023	2023adjusted	2024	Percent change	
							2020–24	2023adjusted–24							2020–24	2023adjusted–24
All graduate students	414,478	466,613	501,311	510,866	504,279	505,930	22.1	0.3	283,335	293,543	297,223	307,229	306,907	312,148	10.2	1.7
Part-time students	170,619	179,659	181,693	180,895	179,012	183,893	7.8	2.7	35,679	36,674	37,540	38,612	38,412	37,547	5.2	-2.3
U.S. citizens and permanent residents <sup>a</sup>	146,539	158,843	153,345	149,590	147,963	151,033	3.1	2.1	25,818	27,403	28,145	29,589	29,395	28,872	11.8	-1.8
Male	75,037	78,723	76,439	74,444	73,873	77,412	3.2	4.8	12,934	13,447	13,515	13,572	13,520	13,370	3.4	-1.1
Female	71,502	80,120	76,906	75,146	74,090	73,621	3.0	-0.6	12,884	13,956	14,630	16,017	15,875	15,502	20.3	-2.3
Hispanic or Latino	19,314	21,809	22,200	22,074	21,946	22,960	18.9	4.6	2,550	2,666	2,978	3,064	3,057	3,153	23.6	3.1
Not Hispanic or Latino																
American Indian or Alaska Native	562	612	537	517	512	541	-3.7	5.7	158	175	174	181	181	186	17.7	2.8
Asian	16,531	18,932	19,522	19,350	19,254	21,440	29.7	11.4	2,061	2,218	2,359	2,487	2,479	2,570	24.7	3.7
Black or African American	14,853	16,213	15,518	15,939	15,694	16,049	8.1	2.3	2,503	2,858	2,977	3,757	3,731	3,743	49.5	0.3
Native Hawaiian or Other Pacific Islander	284	280	269	296	292	284	0.0	-2.7	40	42	38	53	53	45	12.5	-15.1
White	81,476	86,873	81,680	77,898	76,909	75,188	-7.7	-2.2	16,204	17,071	17,081	17,301	17,163	16,367	1.0	-4.6
More than one race	4,692	5,316	5,079	5,212	5,178	5,419	15.5	4.7	784	913	874	937	928	961	22.6	3.6
Unknown race and ethnicity	8,827	8,808	8,540	8,304	8,178	9,152	3.7	11.9	1,518	1,460	1,664	1,809	1,803	1,847	21.7	2.4
Temporary visa holders	24,080	20,816	28,348	31,305	31,049	32,860	36.5	5.8	9,861	9,271	9,395	9,023	9,017	8,675	-12.0	-3.8
Male	14,819	12,508	17,573	19,254	19,089	20,053	35.3	5.1	6,374	5,885	5,943	5,614	5,611	5,419	-15.0	-3.4
Female	9,261	8,308	10,775	12,051	11,960	12,807	38.3	7.1	3,487	3,386	3,452	3,409	3,406	3,256	-6.6	-4.4
Full-time students	243,859	286,954	319,618	329,971	325,267	322,037	32.1	-1.0	247,656	256,869	259,683	268,617	268,495	274,601	10.9	2.3
U.S. citizens and permanent residents <sup>a</sup>	167,766	178,812	168,660	164,019	161,226	171,182	2.0	6.2	146,928	150,539	150,149	152,610	152,510	152,422	3.7	-0.1
Male	66,803	69,780	64,543	63,296	62,580	67,944	1.7	8.6	74,278	74,407	73,050	72,972	72,952	72,167	-2.8	-1.1
Female	100,963	109,032	104,117	100,723	98,646	103,238	2.3	4.7	72,650	76,132	77,099	79,638	79,558	80,255	10.5	0.9
Hispanic or Latino	24,436	26,872	26,103	26,025	25,770	28,882	18.2	12.1	16,379	17,827	18,340	19,265	19,259	19,911	21.6	3.4
Not Hispanic or Latino																
American Indian or Alaska Native	722	744	794	694	678	662	-8.3	-2.4	600	574	577	592	592	554	-7.7	-6.4
Asian	18,544	21,675	21,351	21,580	21,351	23,883	28.8	11.9	15,958	17,378	18,194	19,132	19,121	19,938	24.9	4.3
Black or African American	15,989	16,916	15,880	15,825	15,430	17,189	7.5	11.4	8,571	9,315	9,641	10,755	10,741	10,708	24.9	-0.3
Native Hawaiian or Other Pacific Islander	294	317	272	248	245	235	-20.1	-4.1	160	153	159	157	157	160	0.0	1.9
White	93,614	97,735	90,532	85,349	83,773	84,954	-9.3	1.4	92,761	92,519	90,364	88,929	88,868	86,814	-6.4	-2.3
More than one race	6,377	6,985	6,923	6,908	6,835	7,369	15.6	7.8	5,726	6,257	6,455	6,947	6,945	7,154	24.9	3.0
Unknown race and ethnicity	7,790	7,568	6,805	7,390	7,144	8,008	2.8	12.1	6,773	6,516	6,419	6,833	6,827	7,183	6.1	5.2
Temporary visa holders	76,093	108,142	150,958	165,952	164,041	150,855	98.3	-8.0	100,728	106,330	109,534	116,007	115,985	122,179	21.3	5.3
Male	45,489	65,845	92,976	101,681	100,246	91,258	100.6	-9.0	64,179	66,682	68,070	71,488	71,480	74,744	16.5	4.6
Female	30,604	42,297	57,982	64,271	63,795	59,597	94.7	-6.6	36,549	39,648	41,464	44,519	44,505	47,435	29.8	6.6
First-time, full-time students	102,096	147,266	147,317	153,545	151,712	142,279	39.4	-6.2	41,173	46,670	47,416	50,253	50,217	51,321	24.6	2.2
U.S. citizens and permanent residents <sup>a</sup>	79,715	82,441	72,404	75,236	74,010	81,016	1.6	9.5	27,744	27,515	26,758	27,049	27,018	27,565	-0.6	2.0
Male	32,396	32,799	28,218	30,058	29,742	33,136	2.3	11.4	13,419	12,694	12,294	12,456	12,452	12,608	-6.0	1.3

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(Number and percent change)

Characteristic	Master’s students							Doctoral students								
	2020	2021	2022	2023	2023adjusted	2024	Percent change		2020	2021	2022	2023	2023adjusted	2024	Percent change	
							2020–24	2023adjusted–24							2020–24	2023adjusted–24
Female	47,319	49,642	44,186	45,178	44,268	47,880	1.2	8.2	14,325	14,821	14,464	14,593	14,566	14,957	4.4	2.7
Hispanic or Latino	11,483	12,193	10,881	11,666	11,529	13,114	14.2	13.7	3,383	3,669	3,579	3,677	3,674	3,677	8.7	0.1
Not Hispanic or Latino																
American Indian or Alaska Native	306	337	353	307	301	272	-11.1	-9.6	96	85	108	86	86	98	2.1	14.0
Asian	9,685	11,187	10,072	10,810	10,654	12,331	27.3	15.7	3,153	3,329	3,384	3,532	3,529	3,759	19.2	6.5
Black or African American	7,664	7,606	6,717	7,360	7,173	8,160	6.5	13.8	1,726	2,038	1,850	2,053	2,047	2,012	16.6	-1.7
Native Hawaiian or Other Pacific Islander	135	150	113	100	100	92	-31.9	-8.0	27	33	26	24	24	21	-22.2	-12.5
White	44,007	44,446	38,316	38,430	37,840	39,634	-9.9	4.7	16,886	16,060	15,407	15,137	15,119	15,126	-10.4	*
More than one race	3,063	3,293	3,141	3,207	3,163	3,558	16.2	12.5	1,160	1,195	1,276	1,392	1,392	1,381	19.1	-0.8
Unknown race and ethnicity	3,372	3,229	2,811	3,356	3,250	3,855	14.3	18.6	1,313	1,106	1,128	1,148	1,147	1,491	13.6	30.0
Temporary visa holders	22,381	64,825	74,913	78,309	77,702	61,263	173.7	-21.2	13,429	19,155	20,658	23,204	23,199	23,756	76.9	2.4
Male	12,678	40,068	45,912	48,178	47,727	36,580	188.5	-23.4	8,193	11,704	12,405	13,908	13,905	14,306	74.6	2.9
Female	9,703	24,757	29,001	30,131	29,975	24,683	154.4	-17.7	5,236	7,451	8,253	9,296	9,294	9,450	80.5	1.7

\* = value < 0.05%.

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

**Note(s):**

The 2023adjusted column removes the data from the institutions determined to be no longer eligible for the Survey of Graduate Students and Postdoctorates in Science and Engineering (GSS) during the 2024 frame review. For more information, see the InfoBrief *Impact of the 2024 GSS Institutional Eligibility Review on Counts of GSS Master’s Students* at <https://nces.nsf.gov/pubs/nsf25346>.

**Source(s):**

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