CURRENT
Term Enrollment
ESTIMATES
SPRING 2023

National Student Clearinghouse™
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Overview: Spring 2023 Enrollment Estimates

Community college enrollment grew slightly this spring (up 0.5%, 22,000 students from spring 2022; see **Table 1**), after large declines in the previous two years. A growing number of younger students, primarily dual enrolled high school students and freshmen, contributed to the uptick. Undergraduates at public and private nonprofit four-year institutions are still declining but at slower rates (-0.5% and -0.2%, respectively; see **Table 2**).

After pandemic-driven declines began to level off last fall, overall undergraduate enrollment remained stable for the spring term as well (-0.2%, -25,000 students). In comparison, graduate-level enrollment is faring more poorly (-2.2%, -68,000 students from spring 2022; see Table 2), eroding pandemic-associated gains. Total postsecondary enrollment remains well below pre-pandemic levels, down about 1.09 million students overall and about 1.16 million undergraduates alone, compared to spring 2020 (see Table 1).

Freshmen grew 9.2 percent from spring 2022, building on a similar increase reported last year (see **Table 12**). Percent increases in spring freshmen are based on a far smaller scale than fall, however. Community colleges account for the majority of spring freshmen (53.9%) and had the largest increases of any sector (+12.4%). The community college freshman class is now 7.0 percent larger than spring 2020 levels.

Undergraduate-level students are shifting the types of credentials they pursue, with enrollments in bachelor's degree programs falling more steeply than associate's (-1.4%, -114,000 students versus -0.4%, -15,000 students) and other undergraduate credentials showing enrollment growth (+4.8%, +104,000 students; see Table 2). Graduate-level enrollment drops are almost entirely due to losses in master's programs (-57,000 students).

Continuing the trend from fall 2022, younger students are driving community college enrollment growth, specifically an 8.0 percent increase in dual enrolled high school students (+49,000 students under age 18), and a 1.1 percent increase in 18- to 24-year-old enrollment (+24,000; see **Table 4**). Over the longer term, the median age of a community college student has dropped by more than a year since 2019 (down 1.2 years from 20.7 to 19.5 for men and 1.3 years from 20.4 to 19.1 for women; see **Table 6**), with enrollment under 18 growing by 13.6 percent and each of the two older age groups declining much more steeply (-22.5% for age 18-24; -25.7% for age over 24).

Female enrollment declined by 1.2 percent (-118,000 students) while male enrollment grew by 0.4 percent (+25,000 students; see **Table 7**). The latest gender results extend the trend of an improved enrollment outlook for men relative to women, first seen in the second pandemic year (fall 2021), particularly at community colleges where male enrollment increased by 2.7 percent this spring (+45,000 students).

Nearly all states follow the national trend, with slowing declines, stabilization, or growth over last spring. Both multi-state institutions and primarily online institutions (POIs), which are not included in individual states, regained the enrollments they lost last year, returning to spring 2021 levels (see **Table 8a**). State-level enrollment estimates are also available by institution sector (see **Table 8b**).

Computer science undergraduate programs at four-year institutions reached their highest rate of growth in three years (+11.6%, +62,000 students) in spring 2023. At two-year institutions, computer science enrollments are now above pre-pandemic levels, reversing three years of flat or declining numbers (+9.7%, +20,000 students). Healthcare and education program enrollments continued to fall across two- and four-year institutions alike (see **Tables 9 & 10**).

Overview: Spring 2023 Enrollment Estimates

Current Term Enrollment Estimates Report Series is published every January and May by the National Student Clearinghouse Research Center. It provides national enrollment estimates by degree level, institutional sector, enrollment intensity, age group, gender, major field as well as state-level enrollment estimates. Starting in fall 2020, state-level enrollment data are also shown by institution sector.

Enrollment estimates are adjusted for Clearinghouse data coverage rates by institutional sector, state, and year. This differs from the Stay Informed report series that is designed to quantify the effects of COVID-19 by analyzing year-over-year percentage change in unadjusted, preliminary data for fixed panels of institutions that reported data in the same month each year across all comparison years.

The estimated enrollment numbers presented in the CTEE report may differ from the results of the Stay Informed reports due to the difference in methodology and institution coverage. Postsecondary institutions actively submitting enrollment data to the Clearinghouse account for 97 percent of the total enrollments at Title IV, degree-granting institutions in the U.S.

Past editions of the Spring CTEE report omitted students without valid identifiers in the Clearinghouse's data. We have included these students in the current edition and previously published results going back to 2019 have been re-estimated (see additional details in the Methodological Notes section).

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Figure 1. Percent Change in Enrollment from Previous Year by Institutional Sector: 2019 to 2023

■ Spring 2020 ■ Spring 2021 ■ Spring 2022 ■ Spring 2023

All Sectors: -1.2%, -2.4%, -3.1%, -0.5%
Public 4-year: -0.2%, -0.3%, -1.2%, -0.8%
Private nonprofit 4-year: -0.6%, -0.4%, -1.2%, -1.0%
Private for-profit 4-year: -1.6%, 5.2%, 0.8%, 1.4%
PABs: -0.9%, -6.0%, -6.7%, -2.3%
Public 2-year: -3.1%, -10.1%, -8.2%, 0.5%
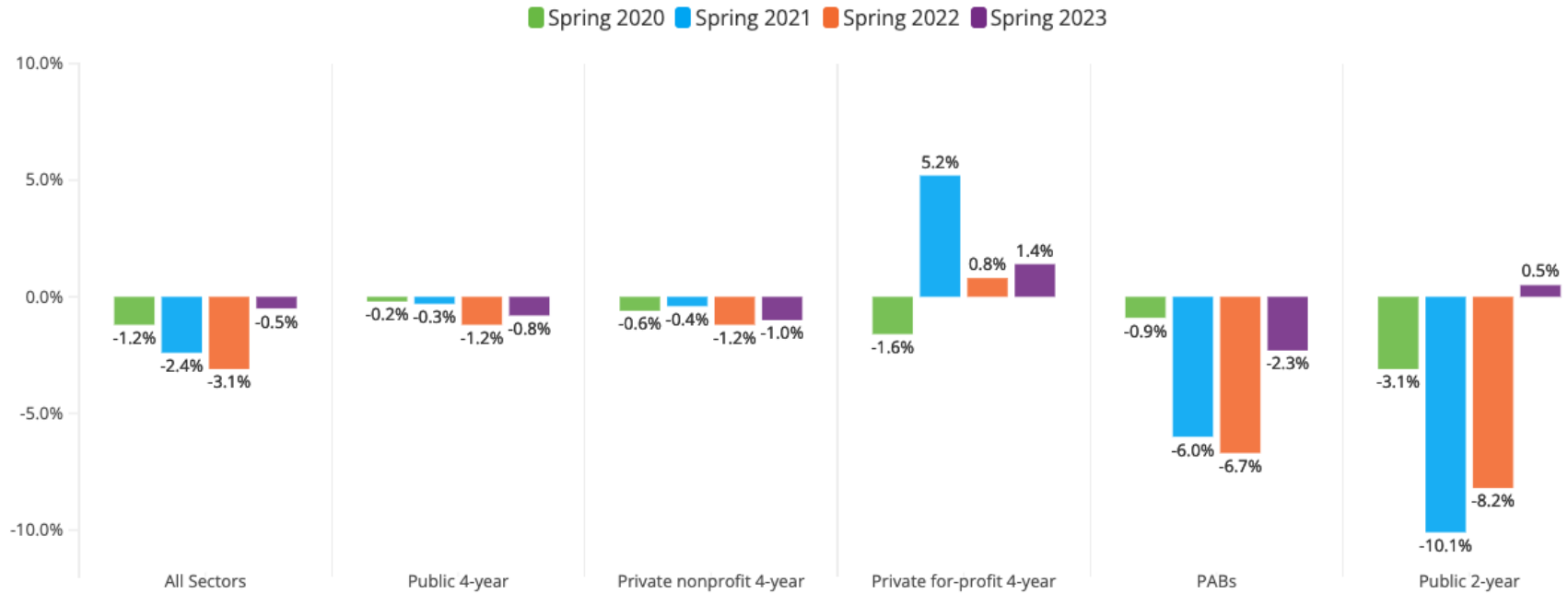
* PABs — Primarily Associate Degree Granting Baccalaureate

Table 1. Estimated National Enrollment by Institutional Sector: 2019 to 2023

Sector	Spring 2019	Spring 2020		Spring 2021		Spring 2022		Spring 2023	
	Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
Total Enrollment (All Sectors)	18,462,601	18,241,819	-1.2%	17,806,853	-2.4%	17,246,157	-3.1%	17,153,317	-0.5%
Public 4-year	7,320,541	7,304,540	-0.2%	7,279,789	-0.3%	7,190,063	-1.2%	7,133,267	-0.8%
Private nonprofit 4-year	3,976,158	3,952,713	-0.6%	3,936,652	-0.4%	3,891,344	-1.2%	3,853,405	-1.0%
Private for-profit 4-year	782,814	770,488	-1.6%	810,930	5.2%	817,244	0.8%	828,875	1.4%
PABs	1,051,577	1,041,997	-0.9%	979,529	-6.0%	913,848	-6.7%	892,782	-2.3%
Public 2-year	5,070,752	4,914,479	-3.1%	4,418,882	-10.1%	4,057,987	-8.2%	4,079,830	0.5%
Unduplicated Student Headcount (All Sectors)	**18,154,038**	**17,944,635**	**-1.2%**	**17,511,906**	**-2.4%**	**16,963,053**	**-3.1%**	**16,878,602**	**-0.5%**

UNDERSTANDING THE NUMBERS

Table 1 provides counts of spring term enrollments submitted to the Clearinghouse by late-April of each year. Enrollments represent one student in one institution and thus would count twice a student enrolled simultaneously at two institutions (concurrent enrollment). The unduplicated headcount provides the number of unique students with no double-counting. This figure can be used to determine the percentage of concurrent enrollments in any given year. In each term, fewer than 2 percent of total enrollments can be accounted for by students enrolling in more than one institution.

Institutional sector designations are based on IPEDS and Carnegie Classifications. While the classification largely follows IPEDS sector designations, where there are differences between IPEDS and Carnegie, we follow the Carnegie Classification. The 2018 Carnegie Classification for academic years 2018-19 through 2020-21 and the 2021 Carnegie Classification for academic years 2021-22 through 2022-2023. Less-than-two-year institutions have been aggregated with two-year institutions. Private nonprofit two-year and for-profit two-year enrollments are not shown in the table due to small counts (approximately 2% of total enrollments), but enrollments from these sectors are included in the overall totals.

As more and more institutions that previously focused solely on granting associate degrees have begun to offer bachelor's degree programs, there has been a surge in IPEDS reclassification of two-year institutions as four-year institutions, since IPEDS assigns two- or four-year designations based on program offerings. However, many of these reclassified institutions still confer most awards at the associate degree level. These institutions are considered primarily associate degree granting baccalaureate institutions (PABs). Additional notes on data and coverage are included at the end of the report.

Table 2. Estimated National Enrollment by Institutional Sector and Program Level: 2019 to 2023

Sector	Program Level	Spring 2019	Spring 2020		Spring 2021		Spring 2022		Spring 2023	
		Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
All Sectors	Undergraduate (All)	15,573,161	15,352,316	-1.4%	14,782,804	-3.7%	14,212,212	-3.9%	14,187,588	-0.2%
	Associate Degree-Seeking	5,013,786	4,831,367	-3.6%	4,362,565	-9.7%	3,976,846	-8.8%	3,962,279	-0.4%
	Bachelor's Degree-Seeking	8,452,776	8,392,412	-0.7%	8,254,698	-1.6%	8,056,660	-2.4%	7,942,500	-1.4%
	Other Undergraduate	2,106,599	2,128,537	1.0%	2,165,541	1.7%	2,178,705	0.6%	2,282,809	4.8%
	Graduate/Professional	2,889,441	2,889,503	0.0%	3,024,049	4.7%	3,033,946	0.3%	2,965,729	-2.2%
Public 4-year	Undergraduate (All)	5,950,046	5,918,316	-0.5%	5,814,864	-1.7%	5,704,774	-1.9%	5,676,314	-0.5%
	Associate Degree-Seeking	136,222	136,969	0.5%	125,893	-8.1%	129,870	3.2%	134,407	3.5%
	Bachelor's Degree-Seeking	5,449,349	5,403,235	-0.8%	5,301,093	-1.9%	5,172,875	-2.4%	5,067,010	-2.0%
	Other Undergraduate	364,475	378,112	3.7%	387,877	2.6%	402,028	3.6%	474,897	18.1%
	Graduate/Professional	1,370,495	1,386,224	1.1%	1,464,925	5.7%	1,485,290	1.4%	1,456,953	-1.9%
Private nonprofit 4-year	Undergraduate (All)	2,715,336	2,691,557	-0.9%	2,627,472	-2.4%	2,578,798	-1.9%	2,573,747	-0.2%
	Associate Degree-Seeking	103,766	95,245	-8.2%	92,648	-2.7%	82,571	-10.9%	83,922	1.6%
	Bachelor's Degree-Seeking	2,465,726	2,449,054	-0.7%	2,395,160	-2.2%	2,363,957	-1.3%	2,353,879	-0.4%
	Other Undergraduate	145,844	147,258	1.0%	139,664	-5.2%	132,271	-5.3%	135,945	2.8%
	Graduate/Professional	1,260,823	1,261,156	0.0%	1,309,180	3.8%	1,312,546	0.3%	1,279,658	-2.5%
Private for-profit 4-year	Undergraduate (All)	527,814	531,567	0.7%	564,553	6.2%	583,627	3.4%	602,311	3.2%
	Associate Degree-Seeking	67,405	70,381	4.4%	71,274	1.3%	82,234	15.4%	89,599	9.0%
	Bachelor's Degree-Seeking	434,184	434,649	0.1%	451,544	3.9%	451,368	0.0%	455,700	1.0%
	Other Undergraduate	26,225	26,537	1.2%	41,736	57.3%	50,025	19.9%	57,011	14.0%
	Graduate/Professional	255,000	238,922	-6.3%	246,376	3.1%	233,617	-5.2%	226,564	-3.0%
PABs	Undergraduate (All)	1,049,518	1,039,832	-0.9%	977,185	-6.0%	912,412	-6.6%	891,249	-2.3%
	Associate Degree-Seeking	777,171	762,396	-1.9%	715,359	-6.2%	689,934	-3.6%	668,834	-3.1%
	Bachelor's Degree-Seeking	99,994	102,743	2.7%	102,736	0.0%	65,104	-36.6%	61,211	-6.0%
	Other Undergraduate	172,354	174,693	1.4%	159,090	-8.9%	157,374	-1.1%	161,204	2.4%
Public 2-year	Undergraduate (All)	5,069,697	4,913,448	-3.1%	4,417,658	-10.1%	4,056,929	-8.2%	4,078,808	0.5%
	Associate Degree-Seeking	3,848,749	3,699,117	-3.9%	3,272,613	-11.5%	2,934,183	-10.3%	2,929,708	-0.2%
	Other Undergraduate	1,219,037	1,212,919	-0.5%	1,142,817	-5.8%	1,120,550	-1.9%	1,145,870	2.3%

UNDERSTANDING THE NUMBERS

Table 2 provides enrollment counts by program level. The *other undergraduate* category includes undergraduate certificate/diploma, teacher preparation and special non-credential programs that have been classified by institutions as undergraduate programs, as well as enrollments that are not part of any structured program and missing program level data. The *graduate/professional* category includes post-baccalaureate certificate, master's degree, doctoral degree, first-professional degree, graduate/professional certificate, and special non-credential programs that have been specifically classified by institutions as graduate-level programs.

Table 3. Estimated National Enrollment by Institutional Sector and Enrollment Intensity: 2019 to 2023

Sector	Enrollment Intensity	Spring 2019 Enrollment	Spring 2020 Enrollment	Spring 2020 % Change from Previous Year	Spring 2021 Enrollment	Spring 2021 % Change from Previous Year	Spring 2022 Enrollment	Spring 2022 % Change from Previous Year	Spring 2023 Enrollment	Spring 2023 % Change from Previous Year
All Sectors	Full-Time	11,461,904	11,400,419	-0.5%	11,128,339	-2.4%	10,827,569	-2.7%	10,863,134	0.3%
	Part-Time	7,000,697	6,841,399	-2.3%	6,678,514	-2.4%	6,418,588	-3.9%	6,290,183	-2.0%
Public 4-year	Full-Time	5,491,391	5,497,525	0.1%	5,374,352	-2.2%	5,306,895	-1.3%	5,308,277	0.0%
	Part-Time	1,829,150	1,807,015	-1.2%	1,905,437	5.4%	1,883,169	-1.2%	1,824,990	-3.1%
Private nonprofit 4-year	Full-Time	3,060,739	3,059,870	0.0%	3,007,301	-1.7%	2,997,856	-0.3%	2,994,140	-0.1%
	Part-Time	915,420	892,843	-2.5%	929,351	4.1%	893,487	-3.9%	859,265	-3.8%
Private for-profit 4-year	Full-Time	508,602	495,868	-2.5%	521,133	5.1%	525,242	0.8%	531,694	1.2%
	Part-Time	274,212	274,620	0.1%	289,796	5.5%	292,002	0.8%	297,181	1.8%
PABs	Full-Time	415,323	416,068	0.2%	383,135	-7.9%	325,719	-15.0%	336,386	3.3%
	Part-Time	636,254	625,930	-1.6%	596,394	-4.7%	588,129	-1.4%	556,396	-5.4%
Public 2-year	Full-Time	1,756,225	1,702,273	-3.1%	1,498,122	-12.0%	1,327,446	-11.4%	1,354,609	2.0%
	Part-Time	3,314,527	3,212,206	-3.1%	2,920,761	-9.1%	2,730,541	-6.5%	2,725,220	-0.2%

UNDERSTANDING THE NUMBERS

Table 3 provides enrollment counts by the enrollment intensity of the student. The part-time category includes enrollments reported to the Clearinghouse as three-quarter time, half-time, and less-than-half-time. Enrollment intensity is defined by the institution and based on the earliest data submitted for a student in any given term. As a result, the intensity generally reflects the student's intended workload at the beginning of the term. Less-than-two-year institutions have been aggregated with two-year institutions. Private nonprofit two-year and for-profit two-year enrollments are not shown in the table due to small counts (2% of total enrollments), but enrollments from these sectors are included in the overall totals.

Table 4. Estimated National Enrollment by Institutional Sector and Age Group: 2019 to 2023

Sector	Age Group	Spring 2019	Spring 2020		Spring 2021		Spring 2022		Spring 2023	
		Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
All Sectors	Under 18	850,153	920,685	8.3%	897,926	-2.5%	907,229	1.0%	981,842	8.2%
	18 to 24	11,096,375	10,981,600	-1.0%	10,482,342	-4.5%	10,264,452	-2.1%	10,299,965	0.3%
	Over 24	6,516,074	6,339,534	-2.7%	6,426,585	1.4%	6,074,476	-5.5%	5,871,510	-3.3%
Public 4-year	Under 18	143,538	150,054	4.5%	154,315	2.8%	156,974	1.7%	170,225	8.4%
	18 to 24	5,146,373	5,143,989	0.0%	5,049,653	-1.8%	5,029,008	-0.4%	5,030,647	0.0%
	Over 24	2,030,630	2,010,496	-1.0%	2,075,822	3.2%	2,004,081	-3.5%	1,932,395	-3.6%
Private nonprofit 4-year	Under 18	36,243	38,967	7.5%	37,718	-3.2%	38,306	1.6%	44,166	15.3%
	18 to 24	2,347,642	2,337,317	-0.4%	2,274,971	-2.7%	2,280,767	0.3%	2,283,133	0.1%
	Over 24	1,592,273	1,576,429	-1.0%	1,623,963	3.0%	1,572,271	-3.2%	1,526,106	-2.9%
Private for-profit 4-year	Under 18	793	775	-2.3%	1,024	32.2%	1,069	4.4%	1,197	12.0%
	18 to 24	135,218	139,132	2.9%	151,250	8.7%	166,401	10.0%	173,706	4.4%
	Over 24	646,803	630,582	-2.5%	658,656	4.5%	649,774	-1.3%	653,972	0.6%
PABs	Under 18	92,920	103,629	11.5%	100,830	-2.7%	104,145	3.3%	110,568	6.2%
	18 to 24	581,166	575,968	-0.9%	523,053	-9.2%	481,755	-7.9%	480,137	-0.3%
	Over 24	377,490	362,400	-4.0%	355,646	-1.9%	327,948	-7.8%	302,077	-7.9%
Public 2-year	Under 18	574,165	623,639	8.6%	601,757	-3.5%	603,465	0.3%	652,038	8.0%
	18 to 24	2,752,379	2,651,424	-3.7%	2,292,515	-13.5%	2,108,012	-8.0%	2,132,039	1.1%
	Over 24	1,744,208	1,639,416	-6.0%	1,524,610	-7.0%	1,346,510	-11.7%	1,295,753	-3.8%

UNDERSTANDING THE NUMBERS

Table 4 includes all spring enrollments reported to the Clearinghouse, including students enrolled in non-credential programs. Student age is calculated as of the first day of the term (a date specific to the institution). Less-than-two-year institutions have been aggregated with two-year institutions. Private nonprofit two-year and for-profit two-year enrollments are not shown in the table due to small counts (2% of total enrollments), but enrollments from these sectors are included in the overall totals. Additional notes on data and coverage are included at the end of this report.

Table 5. The Average Age of Students by Program Level, Institutional Sector, and Enrollment Intensity: 2019 to 2023

| Program Level | Sector | Average Age (Years) | | | | | | | | | |
| | | Spring 2019 | | Spring 2020 | | Spring 2021 | | Spring 2022 | | Spring 2023 | |
		Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
Undergraduate (All)	All Sectors	22.48	27.99	22.46	27.75	22.57	27.41	22.44	27.23	22.40	27.02
	Public 4-year	21.69	27.57	21.66	27.49	21.72	27.18	21.60	26.96	21.55	26.82
	Private nonprofit 4-year	22.50	31.35	22.50	31.09	22.62	30.93	22.52	30.92	22.49	30.85
	Private for-profit 4-year	32.60	34.73	32.47	34.59	32.41	34.24	31.97	34.35	31.78	34.43
	PABs	25.93	28.39	25.59	27.95	25.86	27.52	26.39	27.56	26.39	26.75
	Public 2-year	24.63	25.98	24.52	25.54	24.49	24.82	24.23	24.58	24.17	24.29
Graduate/ Professional	All Sectors	30.31	35.19	30.32	35.25	30.41	35.15	30.16	35.38	30.11	35.33
	Public 4-year	28.83	34.39	28.89	34.42	29.00	34.33	28.82	34.55	28.83	34.53
	Private nonprofit 4-year	30.23	35.46	30.39	35.56	30.52	35.55	30.29	35.81	30.23	35.74
	Private for-profit 4-year	38.58	39.98	38.07	40.08	37.87	40.08	37.64	40.23	37.52	39.97

UNDERSTANDING THE NUMBERS

Table 5 provides the average age of students by program level, sector, and enrollment intensity. Dual enrollees (under age 18) are included. A student's age is determined as of the first day of his or her enrollment in the current term. The first date of enrollment can vary depending on the academic term used by the institution. The part-time category includes enrollments reported to the Clearinghouse as three-quarter time, half-time, and less-than-half-time. Enrollment intensity is defined by the institution and based on the earliest data submitted for a student in any given term.

Table 6. The Median and Average Ages of Students by Program Level, Institutional Sector, and Gender: 2019-2023

Program Level	Sector	Spring 2019				Spring 2020				Spring 2021				Spring 2022				Spring 2023			
		Men		Women		Men		Women		Men		Women		Men		Women		Men		Women	
		Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)	Median (yrs.)	Average (yrs.)
Undergraduate (All)	All Sectors	21.36	23.89	21.25	24.38	21.31	23.80	21.20	24.30	21.33	23.76	21.25	24.33	21.25	23.61	21.17	24.22	21.18	23.50	21.10	24.13
	Public 4-year	21.29	22.88	21.07	23.10	21.25	22.83	21.04	23.05	21.26	22.85	21.06	23.11	21.19	22.69	21.00	22.99	21.12	22.60	20.93	22.88
	Private nonprofit 4-year	21.20	23.74	21.15	24.36	21.20	23.70	21.15	24.31	21.28	23.85	21.23	24.47	21.23	23.70	21.17	24.36	21.20	23.66	21.13	24.31
	Private for-profit 4-year	31.94	33.23	31.69	33.50	31.82	33.12	31.56	33.37	31.34	32.70	31.54	33.29	30.72	32.23	31.41	33.14	30.69	32.18	31.37	33.03
	PABs	23.46	26.89	24.46	28.17	22.97	26.46	24.04	27.76	23.06	26.32	24.11	27.51	22.99	26.54	24.50	27.96	22.32	25.90	23.67	27.42
	Public 2-year	20.71	25.78	20.35	25.84	20.36	25.41	19.86	25.45	20.14	24.65	19.96	24.97	19.70	24.38	19.45	24.81	19.49	23.96	19.10	24.74
Graduate/ Professional	All Sectors	28.96	31.90	29.04	32.46	28.97	31.89	29.05	32.46	29.03	31.96	29.05	32.45	28.80	31.78	28.95	32.39	28.57	31.61	28.87	32.35
	Public 4-year	28.40	30.97	28.21	31.34	28.43	31.00	28.22	31.36	28.51	31.12	28.23	31.37	28.31	30.96	28.19	31.40	28.14	30.86	28.16	31.42
	Private nonprofit 4-year	28.90	31.97	28.69	32.21	28.92	32.03	28.73	32.31	28.98	32.12	28.77	32.35	28.78	31.97	28.65	32.27	28.49	31.73	28.53	32.20
	Private for-profit 4-year	38.26	39.71	37.52	38.86	37.83	39.33	37.24	38.57	37.51	39.05	37.07	38.43	37.33	38.84	37.02	38.35	37.09	38.61	36.85	38.19

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Table 6 provides the median and average ages of students by program level, sector, and gender. Dual enrollees (under age 18) are included. A student's age is determined as of the first day of his or her enrollment in the current term. The first date of enrollment can vary depending on the academic term used by the institution. Additional notes on data, coverage, and imputation of gender are included at the end of the report.

Table 7. Estimated National Enrollment by Institutional Sector and Gender: 2019 to 2023

Sector	Gender	Spring 2019	Spring 2020		Spring 2021		Spring 2022		Spring 2023	
		Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
All Sectors	Men	7,817,989	7,658,938	-2.0%	7,264,671	-5.1%	7,104,447	-2.2%	7,129,439	0.4%
	Women	10,644,613	10,582,881	-0.6%	10,542,182	-0.4%	10,141,711	-3.8%	10,023,878	-1.2%
Public 4-year	Men	3,247,445	3,213,261	-1.1%	3,139,259	-2.3%	3,099,233	-1.3%	3,084,472	-0.5%
	Women	4,073,096	4,091,279	0.4%	4,140,530	1.2%	4,090,830	-1.2%	4,048,795	-1.0%
Private nonprofit 4-year	Men	1,623,516	1,603,901	-1.2%	1,581,698	-1.4%	1,566,852	-0.9%	1,561,930	-0.3%
	Women	2,352,642	2,348,812	-0.2%	2,354,954	0.3%	2,324,492	-1.3%	2,291,475	-1.4%
Private for-profit 4-year	Men	255,809	243,155	-4.9%	258,520	6.3%	267,914	3.6%	270,825	1.1%
	Women	527,005	527,333	0.1%	552,410	4.8%	549,330	-0.6%	558,050	1.6%
PABs	Men	438,739	429,199	-2.2%	385,729	-10.1%	366,406	-5.0%	366,245	0.0%
	Women	612,838	612,799	0.0%	593,800	-3.1%	547,442	-7.8%	526,537	-3.8%
Public 2-year	Men	2,163,300	2,080,075	-3.8%	1,769,893	-14.9%	1,668,072	-5.8%	1,713,236	2.7%
	Women	2,907,452	2,834,404	-2.5%	2,648,989	-6.5%	2,389,914	-9.8%	2,366,593	-1.0%

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Table 7 provides enrollment counts by gender. Institutions reported student gender to the Clearinghouse for 75 percent of all students. Gender was imputed for an additional 20 percent of the students, based on first name for all other students. Less-than-two-year institutions have been aggregated with two-year institutions. Private nonprofit two-year and for-profit two-year enrollments are not shown in the table due to small counts (approximately 2% of total enrollments), but enrollments from these sectors are included in the overall totals. Additional notes on data, coverage, and imputation of gender are included at the end of the report.

Table 8a. Estimated Enrollment by State of Institution: 2019 to 2023

State	Enrollment					Percent Change from Previous Year			
	Spring 2019	Spring 2020	Spring 2021	Spring 2022	Spring 2023	Spring 2020	Spring 2021	Spring 2022	Spring 2023
Alabama	253,942	252,212	242,139	241,795	241,897	-0.7%	-4.0%	-0.1%	0.0%
Alaska	23,153	20,989	20,612	19,562	19,385	-9.3%	-1.8%	-5.1%	-0.9%
Arizona	435,767	456,036	450,244	459,100	456,751	4.7%	-1.3%	2.0%	-0.5%
Arkansas	141,368	137,818	129,647	120,927	120,239	-2.5%	-5.9%	-6.7%	-0.6%
California	2,440,006	2,424,322	2,286,084	2,121,222	2,164,387	-0.6%	-5.7%	-7.2%	2.0%
Colorado	291,480	286,967	274,203	272,002	270,037	-1.5%	-4.4%	-0.8%	-0.7%
Connecticut	187,486	171,418	161,517	158,026	159,103	-8.6%	-5.8%	-2.2%	0.7%
Delaware	57,573	56,844	52,979	51,288	52,172	-1.3%	-6.8%	-3.2%	1.7%
District of Columbia	79,841	78,979	78,428	79,646	79,934	-1.1%	-0.7%	1.6%	0.4%
Florida	898,829	882,699	894,358	868,459	856,732	-1.8%	1.3%	-2.9%	-1.4%
Georgia	488,095	490,156	483,456	480,327	479,460	0.4%	-1.4%	-0.6%	-0.2%
Hawaii	50,792	50,949	50,198	48,523	49,937	0.3%	-1.5%	-3.3%	2.9%
Idaho	114,974	116,172	117,563	118,689	119,391	1.0%	1.2%	1.0%	0.6%
Illinois	646,803	629,696	591,316	580,893	564,498	-2.6%	-6.1%	-1.8%	-2.8%
Indiana	348,528	340,727	329,380	320,267	323,391	-2.2%	-3.3%	-2.8%	1.0%
Iowa	197,401	190,560	180,360	174,459	172,144	-3.5%	-5.4%	-3.3%	-1.3%
Kansas*	177,842	175,032	163,722	150,344	158,473	-1.6%	-6.5%	-8.2%	5.4%
Kentucky	222,886	228,608	221,377	220,104	223,428	2.6%	-3.2%	-0.6%	1.5%
Louisiana*	212,736	212,932	205,384	197,945	196,075	0.1%	-3.5%	-3.6%	-0.9%
Maine	67,424	66,357	64,727	63,259	66,849	-1.6%	-2.5%	-2.3%	5.7%
Maryland	334,654	328,933	330,666	311,302	308,270	-1.7%	0.5%	-5.9%	-1.0%
Massachusetts	462,877	457,692	440,661	422,259	426,737	-1.1%	-3.7%	-4.2%	1.1%
Michigan	492,339	481,283	449,577	426,667	417,216	-2.2%	-6.6%	-5.1%	-2.2%
Minnesota	281,818	279,018	265,702	256,951	250,939	-1.0%	-4.8%	-3.3%	-2.3%
Mississippi*	151,950	151,820	145,126	137,361	128,059	-0.1%	-4.4%	-5.4%	-6.8%
Missouri	318,040	303,326	292,988	289,998	277,387	-4.6%	-3.4%	-1.0%	-4.3%
Montana	46,857	44,973	43,535	44,702	44,987	-4.0%	-3.2%	2.7%	0.6%
Nebraska	123,972	112,458	114,248	112,124	111,299	-9.3%	1.6%	-1.9%	-0.7%
Nevada	107,360	109,720	104,831	101,741	102,560	2.2%	-4.5%	-2.9%	0.8%
New Hampshire	53,891	52,523	50,634	48,219	47,013	-2.5%	-3.6%	-4.8%	-2.5%
New Jersey	372,473	366,692	346,009	328,462	331,114	-1.6%	-5.6%	-5.1%	0.8%
New Mexico	106,052	104,241	91,953	87,436	91,386	-1.7%	-11.8%	-4.9%	4.5%
New York	1,107,114	1,084,870	1,025,911	994,346	974,803	-2.0%	-5.4%	-3.1%	-2.0%
North Carolina	513,358	525,163	509,338	507,733	492,007	2.3%	-3.0%	-0.3%	-3.1%
North Dakota	47,712	47,617	46,875	46,889	47,376	-0.2%	-1.6%	0.0%	1.0%
Ohio	576,493	568,868	549,370	523,605	518,511	-1.3%	-3.4%	-4.7%	-1.0%
Oklahoma	174,000	172,698	166,332	157,423	160,315	-0.7%	-3.7%	-5.4%	1.8%
Oregon	235,654	219,115	203,621	202,445	200,194	-7.0%	-7.1%	-0.6%	-1.1%
Pennsylvania	661,908	644,872	622,369	601,672	585,758	-2.6%	-3.5%	-3.3%	-2.6%
Rhode Island	67,970	67,326	64,221	63,138	63,666	-0.9%	-4.6%	-1.7%	0.8%
South Carolina	215,591	218,136	211,089	216,120	219,085	1.2%	-3.2%	2.4%	1.4%
South Dakota	45,271	45,147	43,520	42,882	43,119	-0.3%	-3.6%	-1.5%	0.6%
Tennessee	281,678	282,019	268,664	260,486	268,599	0.1%	-4.7%	-3.0%	3.1%
Texas*	1,545,514	1,485,627	1,438,426	1,406,945	1,368,427	-3.9%	-3.2%	-2.2%	-2.7%
Utah*	209,403	213,819	220,239	222,628	225,186	2.1%	3.0%	1.1%	1.1%
Vermont	40,478	38,025	36,754	34,513	35,291	-6.1%	-3.3%	-6.1%	2.3%
Virginia	483,998	485,657	491,918	483,151	475,128	0.3%	1.3%	-1.8%	-1.7%
Washington*	336,290	343,205	328,455	301,876	285,967	2.1%	-4.3%	-8.1%	-5.3%
West Virginia*	78,911	76,041	72,684	69,910	67,170	-3.6%	-4.4%	-3.8%	-3.9%
Wisconsin	292,285	283,797	271,409	272,132	275,288	-2.9%	-4.4%	0.3%	1.2%
Wyoming	29,403	30,023	28,148	27,172	27,288	2.1%	-6.2%	-3.5%	0.4%
Multi-State or POI	1,133,545	1,187,297	1,275,494	1,246,798	1,274,604	4.7%	7.4%	-2.2%	2.2%

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Table 8a provides enrollment counts by the state where the institution is located. Institutions that span multiple states and institutions that operate primarily online have been included in a separate line called "multi-state or POI." Enrollments in these institutions are not included in any other individual states.

* States where inconsistent data submissions across years make enrollment estimates less accurate: LA, MS, UT, WA, WV (Public two-year); KS (Public four-year); and TX (Other).

Table 8b. Estimated Enrollment by State of Institution and Sector: 2019 to 2023

State	Public 2-Year Spring 2019 Enrollment	Spring 2020 Enrollment	% Change from Previous Year	Spring 2021 Enrollment	% Change from Previous Year	Spring 2022 Enrollment	% Change from Previous Year	Spring 2023 Enrollment	% Change from Previous Year	Public 4-Year Spring 2019 Enrollment	Spring 2020 Enrollment	% Change from Previous Year	Spring 2021 Enrollment	% Change from Previous Year	Spring 2022 Enrollment	% Change from Previous Year	Spring 2023 Enrollment	% Change from Previous Year	Private Nonprofit 4-Year Spring 2019 Enrollment	Spring 2020 Enrollment	% Change from Previous Year	Spring 2021 Enrollment	% Change from Previous Year	Spring 2022 Enrollment	% Change from Previous Year	Spring 2023 Enrollment	% Change from Previous Year
Alabama	71,682	68,801	-4.0%	60,390	-12.2%	62,588	3.6%	64,919	3.7%	160,379	162,172	1.1%	161,597	-0.4%	160,434	-0.7%	159,657	-0.5%	20,744	21,240	2.4%	20,152	-5.1%	18,773	-6.8%	17,321	-7.7%
Alaska	-	-	-	-	-	-	-	-	-	22,635	20,420	-9.8%	20,104	-1.5%	19,012	-5.4%	18,816	-1.0%	-	-	-	-	-	-	-	-	-
Arizona	155,395	160,336	3.2%	137,437	-14.3%	131,461	-4.3%	127,277	-3.2%	184,203	194,340	5.5%	203,547	4.7%	211,619	4.0%	218,550	3.3%	-	-	-	-	-	-	-	-	-
Arkansas	35,511	35,464	-0.1%	31,128	-12.2%	30,085	-3.4%	28,971	-3.7%	91,314	88,019	-3.6%	84,420	-4.1%	77,491	-8.2%	77,908	0.5%	13,367	13,156	-1.6%	12,802	-2.7%	12,155	-5.1%	12,222	0.5%
California	1,105,096	1,088,352	-1.5%	960,811	-11.7%	838,113	-12.8%	898,598	7.2%	738,000	744,281	0.9%	747,598	0.4%	748,449	0.1%	736,811	-1.6%	304,916	303,145	-0.6%	292,502	-3.5%	293,136	0.2%	280,364	-4.4%
Colorado	52,680	49,125	-6.7%	45,508	-7.4%	35,066	-22.9%	32,434	-7.5%	183,900	183,742	-0.1%	173,951	-5.3%	174,028	0.0%	175,834	1.0%	30,590	29,218	-4.5%	30,659	4.9%	31,118	1.5%	29,135	-6.4%
Connecticut	43,274	40,687	-6.0%	33,593	-17.4%	31,218	-7.1%	31,553	1.1%	62,411	61,121	-2.1%	60,390	-1.2%	57,759	-4.4%	57,117	-1.1%	69,810	69,611	-0.3%	67,535	-3.0%	65,926	-2.4%	67,472	2.3%
Delaware	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75,398	74,848	-0.7%	74,809	-0.1%	76,716	2.5%	76,694	0.0%
Florida	-	-	-	25,857	-	25,242	-2.4%	25,094	-0.6%	345,439	354,980	2.8%	358,998	1.1%	354,084	-1.4%	350,759	-0.9%	146,907	148,852	1.3%	147,683	-0.8%	144,452	-2.2%	143,952	-0.3%
Georgia	95,452	100,123	4.9%	87,889	-12.2%	86,585	-1.5%	90,621	4.7%	283,004	285,500	0.9%	293,011	2.6%	300,774	2.6%	296,119	-1.5%	69,362	66,328	-4.4%	67,460	1.7%	69,073	2.4%	70,037	1.4%
Hawaii	18,091	17,696	-2.2%	16,979	-4.1%	15,421	-9.2%	15,201	-1.4%	22,913	22,633	-1.2%	22,821	0.8%	22,197	-2.7%	23,104	4.1%	7,108	7,910	11.3%	7,830	-1.0%	8,686	10.9%	9,505	9.4%
Idaho	29,563	32,234	9.0%	29,285	-9.1%	31,354	7.1%	32,674	4.2%	45,831	43,464	-5.2%	42,303	-2.7%	43,255	2.2%	43,177	-0.2%	39,580	40,474	2.3%	45,975	13.6%	44,080	-4.1%	43,540	-1.2%
Illinois	274,110	264,828	-3.4%	228,575	-13.7%	219,580	-3.9%	217,043	-1.2%	172,310	171,195	-0.6%	173,990	1.6%	174,029	0.0%	173,774	-0.1%	196,872	189,953	-3.5%	187,426	-1.3%	185,429	-1.1%	172,839	-6.8%
Indiana	-	-	-	-	-	-	-	-	-	184,784	185,174	0.2%	182,029	-1.7%	180,600	-0.8%	177,816	-1.5%	93,036	91,155	-2.0%	88,930	-2.4%	86,623	-2.6%	90,307	4.3%
Iowa	73,687	70,588	-4.2%	64,655	-8.4%	61,905	-4.3%	61,246	-1.1%	72,135	69,150	-4.1%	66,154	-4.3%	64,649	-2.3%	63,864	-1.2%	48,703	47,842	-1.8%	46,619	-2.6%	45,356	-2.7%	44,301	-2.3%
Kansas*	67,052	65,352	-2.5%	60,177	-7.9%	57,529	-4.4%	59,343	3.2%	91,037	90,559	-0.5%	86,500	-4.5%	75,736	-12.4%	82,402	8.8%	19,131	18,546	-3.1%	16,459	-11.2%	16,333	-0.8%	15,956	-2.3%
Kentucky	67,438	67,843	0.6%	59,153	-12.8%	61,055	3.2%	65,775	7.7%	107,606	108,120	0.5%	108,323	0.2%	107,206	-1.0%	106,023	-1.1%	46,906	51,523	9.8%	53,021	2.9%	51,038	-3.7%	50,897	-0.3%
Louisiana*	51,653	52,929	2.5%	44,617	-15.7%	44,402	-0.5%	41,147	-7.3%	134,965	134,906	0.0%	134,600	-0.2%	126,516	-6.0%	129,540	2.4%	25,041	25,097	0.2%	24,886	-0.8%	25,856	3.9%	24,148	-6.6%
Maine	14,101	14,249	1.1%	12,689	-11.0%	12,455	-1.8%	13,772	10.6%	29,465	28,754	-2.4%	29,255	1.7%	27,097	-7.4%	27,413	1.2%	23,858	23,354	-2.1%	22,782	-2.4%	23,706	4.1%	25,664	8.3%
Maryland	106,775	105,334	-1.4%	98,518	-6.5%	86,723	-12.0%	86,065	-0.8%	174,562	170,701	-2.2%	177,220	3.8%	167,823	-5.3%	169,326	0.9%	53,317	52,898	-0.8%	54,928	3.8%	56,756	3.3%	52,880	-6.8%
Massachusetts	74,330	71,541	-3.8%	62,193	-13.1%	57,357	-7.8%	53,993	-5.9%	116,767	115,059	-1.5%	112,797	-2.0%	108,892	-3.5%	106,685	-2.0%	267,651	266,534	-0.4%	262,728	-1.4%	253,911	-3.4%	264,514	4.2%
Michigan	128,061	126,481	-1.2%	113,061	-10.6%	104,500	-7.6%	101,549	-2.8%	266,707	261,926	-1.8%	252,070	-3.8%	244,839	-2.9%	241,192	-1.5%	57,672	54,937	-4.7%	51,172	-6.9%	52,403	2.4%	50,048	-4.5%
Minnesota	104,929	103,305	-1.5%	94,973	-8.1%	92,551	-2.6%	90,880	-1.8%	115,494	115,099	-0.3%	111,548	-3.1%	107,464	-3.7%	105,156	-2.1%	59,587	58,798	-1.3%	57,792	-1.7%	55,553	-3.9%	53,551	-3.6%
Mississippi*	62,620	65,176	4.1%	58,423	-10.4%	52,515	-10.1%	47,427	-9.7%	73,196	72,037	-1.6%	71,858	-0.2%	70,727	-1.6%	68,424	-3.3%	16,134	14,607	-9.5%	14,844	1.6%	14,120	-4.9%	12,207	-13.5%
Missouri	73,261	69,857	-4.6%	62,759	-10.2%	60,133	-4.2%	58,349	-3.0%	128,890	125,881	-2.3%	122,396	-2.8%	120,391	-1.6%	121,719	1.1%	113,510	104,792	-7.7%	104,814	0.0%	106,582	1.7%	94,661	-11.2%
Montana	7,351	6,774	-7.8%	6,571	-3.0%	6,842	4.1%	6,904	0.9%	36,177	34,995	-3.3%	33,898	-3.1%	34,655	2.2%	35,073	1.2%	3,328	3,204	-3.7%	3,066	-4.3%	3,205	4.5%	3,010	-6.1%
Nebraska	34,910	33,225	-4.8%	34,003	2.3%	33,957	-0.1%	34,355	1.2%	55,519	55,072	-0.8%	56,448	2.5%	55,833	-1.1%	55,451	-0.7%	33,322	24,006	-28.0%	23,644	-1.5%	22,155	-6.3%	21,302	-3.9%
Nevada	-	-	-	-	-	-	-	-	-	53,194	54,397	2.3%	55,924	2.8%	54,815	-2.0%	55,411	1.1%	-	-	-	-	-	-	-	-	-
New Hampshire	11,206	10,424	-7.0%	9,618	-7.7%	8,961	-6.8%	8,794	-1.9%	25,712	24,787	-3.6%	23,856	-3.8%	22,834	-4.3%	22,013	-3.6%	16,973	17,312	2.0%	17,160	-0.9%	16,424	-4.3%	16,206	-1.3%
New Jersey	129,493	123,399	-4.7%	106,553	-13.7%	95,314	-10.5%	99,366	4.3%	171,074	171,489	0.2%	169,444	-1.2%	164,163	-3.1%	164,577	0.3%	67,325	67,811	0.7%	66,387	-2.1%	65,788	-0.9%	64,266	-2.3%
New Mexico	39,092	39,592	1.3%	32,501	-17.9%	30,175	-7.2%	31,914	5.8%	64,300	61,921	-3.7%	56,708	-8.4%	54,064	-4.7%	55,995	3.6%	1,662	1,690	1.7%	1,701	0.7%	1,857	9.2%	1,906	2.6%
New York	234,724	217,730	-7.2%	177,406	-18.5%	170,877	-3.7%	165,934	-2.9%	340,992	339,092	-0.6%	312,521	-7.8%	333,831	6.8%	323,432	-3.1%	460,003	456,177	-0.8%	408,203	-10.5%	438,974	7.5%	436,725	-0.5%
North Carolina	202,800	212,260	4.7%	197,766	-6.8%	194,432	-1.7%	197,468	1.6%	223,297	226,269	1.3%	227,427	0.5%	228,310	0.4%	212,615	-6.9%	86,714	86,156	-0.6%	83,655	-2.9%	84,592	1.1%	81,656	-3.5%
North Dakota	6,496	6,484	-0.2%	6,330	-2.4%	6,283	-0.7%	6,714	6.9%	32,919	32,423	-1.5%	31,867	-1.7%	32,018	0.5%	31,854	-0.5%	4,871	5,185	6.4%	5,215	0.6%	5,298	1.6%	4,807	-9.3%
Ohio	145,035	143,844	-0.8%	133,540	-7.2%	127,951	-4.2%	128,932	0.8%	305,342	299,673	-1.9%	292,919	-2.3%	276,270	-5.7%	271,372	-1.8%	120,446	119,613	-0.7%	117,372	-1.9%	114,045	-2.8%	113,736	-0.3%
Oklahoma	47,422	46,692	-1.5%	43,103	-7.7%	42,764	-0.8%	43,694	2.2%	100,219	99,837	-0.4%	98,124	-1.7%	89,609	-8.7%	96,081	7.2%	19,675	19,403	-1.4%	18,939	-2.4%	19,049	0.6%	18,498	-2.9%
Oregon	97,294	89,815	-7.7%	82,261	-8.4%	81,819	-0.5%	78,146	-4.5%	97,678	95,814	-1.9%	95,296	-0.5%	95,799	0.5%	97,064	1.3%	40,682	33,485	-17.7%	26,064	-22.2%	24,828	-4.7%	24,984	0.6%
Pennsylvania	104,637	101,181	-3.3%	86,627	-14.4%	76,657	-11.5%	75,730	-1.2%	246,883	239,343	-3.1%	233,143	-2.6%	217,954	-6.5%	209,341	-4.0%	267,150	258,744	-3.1%	254,347	-1.7%	246,081	-3.2%	241,848	-1.7%
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28,417	28,454	0.1%	27,961	-1.7%	30,357	8.6%	31,044	2.3%
South Carolina	72,325	73,321	1.4%	68,547	-6.5%	72,273	5.4%	74,406	3.0%	108,772	110,392	1.5%	110,010	-0.3%	110,776	0.7%	111,506	0.7%	32,947	32,845	-0.3%	31,029	-5.5%	31,431	1.3%	31,446	0.0%
South Dakota	6,527	7,033	7.8%	6,834	-2.8%	6,543	-4.3%	7,004	7.0%	31,733	31,249	-1.5%	29,951	-4.2%	29,584	-1.2%	29,587	0.0%	6,852	6,752	-1.5%	6,724	-0.4%	6,744	0.3%	6,519	-3.3%
Tennessee	75,883	74,747	-1.5%	64,775	-13.3%	60,555	-6.5%	60,990	0.7%	126,765	127,580	0.6%	127,870	0.2%	126,887	-0.8%	128,880	1.6%	75,398	74,423	-1.3%	72,156	-3.0%	66,047	-8.5%	70,148	6.2%
Texas*	705,903	641,528	-9.1%	590,299	-8.0%	484,637	-17.9%	446,673	-7.8%	650,826	652,190	0.2%	665,516	2.0%	666,088	0.1%	653,239	-1.9%	128,083	127,200	-0.7%	132,980	4.5%	129,098	-2.9%	127,046	-1.6%
Utah*	32,185	33,109	2.9%	34,730	4.9%	33,917	-2.3%	38,690	14.1%	126,464	127,384	0.7%	129,470	1.6%	138,658	7.1%	135,822	-2.0%	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	17,817	17,658	-0.9%	17,336	-1.8%	-	-	17,660	-	15,103	13,126	-13.1%	12,612	-3.9%	11,727	-7.0%	10,506	-10.4%
Virginia	132,893	128,042	-3.6%	123,235	-3.8%	118,038	-4.2%	116,280	-1.5%	209,968	211,694	0.8%	211,978	0.1%	210,867	-0.5%	210,538	-0.2%	124,228	129,742	4.4%	142,531	9.9%	139,469	-2.1%	133,589	-4.2%
Washington*	28,464	30,455	7.0%	27,744	-8.9%	23,549	-15.1%	19,415	-17.6%	133,109	133,398	0.2%	134,886	1.1%	132,991	-1.4%	128,779	-3.2%	40,251	39,539	-1.8%	38,448	-2.8%	37,594	-2.2%	35,817	-4.7%
West Virginia*	11,897	11,372	-4.4%	10,693	-6.0%	10,467	-2.1%	9,417	-10.0%	57,384	55,064	-4.0%	53,492	-2.9%	51,438	-3.8%	50,470	-1.9%	7,413	7,100	-4.2%	6,163	-13.2%	5,804	-5.8%	5,021	-13.5%
Wisconsin	91,778	81,280	-11.4%	76,226	-6.2%	87,272	14.5%	92,021	5.4%	143,300	146,783	2.4%	141,980	-3.3%	143,784	1.3%	143,296	-0.3%	44,284	43,438	-1.9%	42,192	-2.9%	41,075	-2.6%	39,971	-2.7%
Wyoming	17,618	18,268	3.7%	16,900	-7.5%	16,382	-3.1%	16,602	1.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi-State or POI	-	-	-	-	-	-	-	-	-	40,954	43,633	6.5%	46,100	5.7%	45,326	-1.7%	46,800	3.3%	386,047	423,621	9.7%	453,632	7.1%	432,471	-4.7%	462,077	6.8%

UNDERSTANDING THE NUMBERS

Table 8b focuses on public two-year and four-year institutions, PABs, and private nonprofit four-year institutions, where data were reported by at least three institutions in the given sector; " - " indicates that data are suppressed because this threshold was not met (including sectors with no institutions). Other institutional sectors are not shown due to the year-over-year variability or small enrollment sizes but are included in state total enrollments. Institutions that span multiple states and institutions that operate primarily online have been included in a separate line called "multi-state or POI." Enrollments in these institutions are not included in any other individual states.

* States where inconsistent data submissions across years make enrollment estimates less accurate: LA, MS, UT, WA, WV (Public two-year); KS (Public four-year); and TX (Other).

Table 8b. Estimated Enrollment by State of Institution and Sector: 2019 to 2023 (cont.)

State	PABs Spring 2019 Enrollment	PABs Spring 2020 Enrollment	PABs Spring 2020 % Change from Previous Year	PABs Spring 2021 Enrollment	PABs Spring 2021 % Change from Previous Year	PABs Spring 2022 Enrollment	PABs Spring 2022 % Change from Previous Year	PABs Spring 2023 Enrollment	PABs Spring 2023 % Change from Previous Year	Other Spring 2019 Enrollment	Other Spring 2020 Enrollment	Other Spring 2020 % Change from Previous Year	Other Spring 2021 Enrollment	Other Spring 2021 % Change from Previous Year	Other Spring 2022 Enrollment	Other Spring 2022 % Change from Previous Year	Other Spring 2023 Enrollment	Other Spring 2023 % Change from Previous Year
Alabama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alaska	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	-	-	-	-	-	-	-	-	-	94,270	-	-	-	-	113,307	-	108,157	-4.5%
Arkansas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
California	205,150	195,086	-4.9%	180,696	-7.4%	152,196	-15.8%	156,445	2.8%	86,844	93,458	7.6%	104,477	11.8%	-	-	-	-
Colorado	20,514	20,426	-0.4%	18,401	-9.9%	26,161	42.2%	27,678	5.8%	3,796	4,455	17.4%	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
District of Columbia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	350,763	350,926	0.0%	347,515	-1.0%	312,497	-10.1%	302,830	-3.1%	-	-	-	-	-	-	-	-	-
Georgia	39,900	37,941	-4.9%	34,830	-8.2%	23,610	-32.2%	22,366	-5.3%	-	-	-	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Illinois	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indiana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Iowa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas*	-	-	-	746	-	-	-	772	3.5%	-	-	-	-	-	-	-	-	-
Kentucky	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Louisiana*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-	-	-	-	2,084	2,485	19.2%	1,520	-38.8%	1,375	-9.5%	1,169	-15.0%
Michigan	39,898	37,939	-4.9%	33,254	-12.3%	24,908	-25.1%	24,404	-2.0%	-	-	-	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-	-	-	-	-	563	-	-	-	-	-	-	-
Mississippi*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missouri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-	-	-	-	221	-	-	-	-	-	-	-	-
Nevada	39,822	41,493	4.2%	36,453	-12.1%	43,949	20.6%	44,969	2.3%	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New York	39,835	38,366	-3.7%	31,600	-17.6%	8,705	-72.5%	7,647	-12.2%	31,561	33,504	6.2%	96,180	187.1%	41,958	-56.4%	41,066	-2.1%
North Carolina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oregon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	10,820	10,365	-4.2%	9,711	-6.3%	8,982	-7.5%	7,605	-15.3%	32,417	35,239	8.7%	38,541	9.4%	51,998	34.9%	51,234	-1.5%
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	159	114	-28.3%	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Texas*	52,454	54,286	3.5%	47,062	-13.3%	124,815	165.2%	121,563	-2.6%	8,248	10,422	26.4%	2,569	-75.3%	2,307	-10.2%	19,906	762.8%
Utah*	12,009	12,484	4.0%	-	-	-	-	-	-	2,973	5,015	68.7%	6,236	24.4%	8,825	41.5%	9,848	11.6%
Vermont	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	3,517	-	-	-	-	14,777	-	14,721	-0.4%
Washington*	133,516	139,004	4.1%	126,483	-9.0%	106,850	-15.5%	101,000	-5.5%	-	-	-	-	-	-	-	-	-
West Virginia*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wisconsin	12,922	12,296	-4.8%	11,010	-10.5%	-	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi-State or POI	-	-	-	-	-	-	-	-	-	666,600	688,664	3.3%	743,873	8.0%	736,705	-1.0%	735,029	-0.2%

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Table 8b focuses on public two-year and four-year institutions, PABs, and private nonprofit four-year institutions, where data were reported by at least three institutions in the given sector; " - " indicates that data are suppressed because this threshold was not met (including sectors with no institutions). Other institutional sectors are not shown due to the year-over-year variability or small enrollment sizes but are included in state total enrollments. Institutions that span multiple states and institutions that operate primarily online have been included in a separate line called "multi-state or POI." Enrollments in these institutions are not included in any other individual states.

* States where inconsistent data submissions across years make enrollment estimates less accurate: LA, MS, UT, WA, WV (Public two-year); KS (Public four-year); and TX (Other).

Table 9. Estimated Undergraduate Enrollment by Major at Four-Year Institutions: 2019 to 2023

Major (CIP Code)	CIP Title	Spring 2019 Enrollment	Spring 2020 Enrollment	Spring 2020 % Change from Previous Year	Spring 2021 Enrollment	Spring 2021 % Change from Previous Year	Spring 2022 Enrollment	Spring 2022 % Change from Previous Year	Spring 2023 Enrollment	Spring 2023 % Change from Previous Year
52	Business, Management, Marketing, and Related Support	1,611,091	1,588,162	-1.4%	1,559,163	-1.8%	1,538,482	-1.3%	1,569,014	2.0%
51	Health Professions and Related Clinical Sciences	1,001,939	998,622	-0.3%	1,011,848	1.3%	977,667	-3.4%	948,038	-3.0%
24	Liberal Arts and Sciences, General Studies and Humanities	784,092	756,258	-3.5%	698,373	-7.7%	673,216	-3.6%	656,790	-2.4%
11	Computer and Information Sciences and Support Services	455,077	480,019	5.5%	500,232	4.2%	533,295	6.6%	595,212	11.6%
26	Biological and Biomedical Sciences	604,240	600,941	-0.5%	591,139	-1.6%	580,986	-1.7%	578,694	-0.4%
14	Engineering	614,260	602,498	-1.9%	584,679	-3.0%	572,469	-2.1%	559,293	-2.3%
42	Psychology	460,046	480,174	4.4%	507,205	5.6%	519,287	2.4%	524,959	1.1%
13	Education	442,852	443,584	0.2%	446,862	0.7%	433,954	-2.9%	424,594	-2.2%
50	Visual and Performing Arts	400,364	406,762	1.6%	394,700	-3.0%	407,705	3.3%	419,384	2.9%
45	Social Sciences	468,244	460,956	-1.6%	448,731	-2.7%	430,329	-4.1%	415,115	-3.5%
09	Communication, Journalism, and Related Programs	333,569	327,184	-1.9%	305,941	-6.5%	288,105	-5.8%	282,837	-1.8%
30	Multi/Interdisciplinary Studies	250,540	254,608	1.6%	247,272	-2.9%	249,724	1.0%	251,492	0.7%
43	Security and Protective Services	264,939	267,123	0.8%	261,552	-2.1%	244,163	-6.6%	237,615	-2.7%
31	Parks, Recreation, Leisure and Fitness Studies	233,522	231,209	-1.0%	229,093	-0.9%	227,056	-0.9%	228,177	0.5%
44	Public Administration and Social Service Professions	135,998	134,304	-1.2%	133,189	-0.8%	123,661	-7.2%	118,161	-4.4%
40	Physical Sciences	140,811	134,812	-4.3%	125,836	-6.7%	120,790	-4.0%	117,659	-2.6%
23	English Language and Literature/Letters	139,547	132,915	-4.8%	120,319	-9.5%	116,435	-3.2%	114,879	-1.3%
01	Agriculture, Agriculture Operations, and Related Sciences	94,994	94,148	-0.9%	92,964	-1.3%	93,067	0.1%	92,344	-0.8%
27	Mathematics and Statistics	102,103	101,490	-0.6%	100,380	-1.1%	94,518	-5.8%	87,370	-7.6%
03	Natural Resources and Conservation	81,626	83,741	2.6%	82,963	-0.9%	85,022	2.5%	86,936	2.3%
15	Engineering Technologies/Technicians	89,776	87,178	-2.9%	83,523	-4.2%	84,463	1.1%	82,537	-2.3%
54	History	86,865	84,958	-2.2%	82,090	-3.4%	80,521	-1.9%	77,468	-3.8%
19	Family and Consumer Sciences/Human Sciences	93,662	88,877	-5.1%	83,198	-6.4%	77,556	-6.8%	74,503	-3.9%
04	Architecture and Related Services	45,235	46,483	2.8%	47,849	2.9%	50,306	5.1%	52,104	3.6%
16	Foreign Languages, Literatures, and Linguistics	59,143	56,463	-4.5%	59,038	4.6%	54,404	-7.8%	48,194	-11.4%
49	Transportation and Materials Moving	29,673	31,611	6.5%	33,739	6.7%	34,780	3.1%	35,259	1.4%
38	Philosophy and Religious Studies	34,994	33,983	-2.9%	33,758	-0.7%	32,730	-3.0%	30,862	-5.7%
10	Communications Technologies/Technicians and Support Services	19,041	20,565	8.0%	21,338	3.8%	23,741	11.3%	24,882	4.8%
39	Theology and Religious Vocations	28,833	26,861	-6.8%	27,035	0.6%	25,354	-6.2%	24,161	-4.7%
05	Area, Ethnic, Cultural, and Gender Studies	27,762	27,257	-1.8%	25,613	-6.0%	25,704	0.4%	23,643	-8.0%
22	Legal Professions and Studies	21,240	21,394	0.7%	23,106	8.0%	22,051	-4.6%	22,381	1.5%
12	Personal and Culinary Services	9,340	8,707	-6.8%	12,150	39.5%	13,490	11.0%	13,905	3.1%
29	Military Technologies	3,147	3,664	16.4%	6,266	71.0%	6,473	3.3%	6,804	5.1%
47	Mechanic and Repair Technologies/Technicians	5,213	4,985	-4.4%	5,564	11.6%	5,897	6.0%	6,075	3.0%

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Table 9 provides college enrollment totals disaggregated by Classification of Instructional Program (CIP) codes. The table excludes the following CIP codes, each of which had total enrollments of less than 5,000: 25 (Library Science), 28 (Reserve Officer Training Corps), 32 (Basic Skills), 33 (Citizenship Activities), 34 (Health-Related Knowledge and Skills), 35 (Interpersonal and Social Skills), 36 (Leisure and Recreational Activities), 37 (Personal Awareness and Self-Improvement), 41 (Science Technologies/Technicians), 46 (Construction Trades), 48 (Precision Production), 53 (High School/Secondary Diplomas and Certificates), 60 (Residency Programs).

Table 10. Estimated Undergraduate Enrollment by Major at Two-Year Institutions: 2019 to 2023

Major (CIP Code)	CIP Title	Spring 2019	Spring 2020		Spring 2021		Spring 2022		Spring 2023	
		Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
24	Liberal Arts and Sciences, General Studies and Humanities	1,889,743	1,811,873	-4.1%	1,629,230	-10.1%	1,474,460	-9.5%	1,469,227	-0.4%
51	Health Professions and Related Clinical Sciences	795,288	766,917	-3.6%	779,462	1.6%	708,201	-9.1%	690,645	-2.5%
52	Business, Management, Marketing, and Related Support	570,712	547,043	-4.1%	516,513	-5.6%	478,453	-7.4%	483,139	1.0%
11	Computer and Information Sciences and Support Services	218,428	219,274	0.4%	212,590	-3.0%	207,595	-2.3%	227,662	9.7%
50	Visual and Performing Arts	148,011	146,043	-1.3%	123,726	-15.3%	120,425	-2.7%	130,336	8.2%
43	Security and Protective Services	185,131	176,066	-4.9%	154,820	-12.1%	131,994	-14.7%	126,083	-4.5%
47	Mechanic and Repair Technologies/Technicians	108,406	111,075	2.5%	95,732	-13.8%	98,164	2.5%	106,176	8.2%
30	Multi/Interdisciplinary Studies	135,351	129,977	-4.0%	115,487	-11.1%	105,483	-8.7%	103,742	-1.7%
15	Engineering Technologies/Technicians	119,951	114,861	-4.2%	101,632	-11.5%	97,842	-3.7%	96,287	-1.6%
26	Biological and Biomedical Sciences	110,192	110,144	0.0%	110,106	0.0%	100,993	-8.3%	89,436	-11.4%
13	Education	107,750	102,740	-4.6%	98,572	-4.1%	90,974	-7.7%	86,440	-5.0%
42	Psychology	82,859	89,012	7.4%	92,556	4.0%	87,058	-5.9%	86,078	-1.1%
46	Construction Trades	64,085	66,920	4.4%	63,892	-4.5%	72,520	13.5%	73,480	1.3%
14	Engineering	84,383	81,383	-3.6%	73,286	-9.9%	66,745	-8.9%	68,284	2.3%
19	Family and Consumer Sciences/Human Sciences	85,764	80,557	-6.1%	73,810	-8.4%	66,998	-9.2%	67,430	0.6%
12	Personal and Culinary Services	65,318	64,479	-1.3%	52,802	-18.1%	55,069	4.3%	60,396	9.7%
48	Precision Production	60,407	61,950	2.6%	52,303	-15.6%	56,002	7.1%	60,229	7.5%
45	Social Sciences	76,841	72,627	-5.5%	67,441	-7.1%	58,668	-13.0%	57,538	-1.9%
01	Agriculture, Agriculture Operations, and Related Sciences	46,107	44,637	-3.2%	42,987	-3.7%	42,848	-0.3%	43,287	1.0%
31	Parks, Recreation, Leisure and Fitness Studies	44,371	46,049	3.8%	41,632	-9.6%	38,387	-7.8%	40,279	4.9%
09	Communication, Journalism, and Related Programs	45,479	43,737	-3.8%	38,544	-11.9%	33,586	-12.9%	34,271	2.0%
44	Public Administration and Social Service Professions	33,288	32,284	-3.0%	30,677	-5.0%	28,271	-7.8%	26,426	-6.5%
10	Communications Technologies/Technicians and Support Services	29,816	29,334	-1.6%	25,162	-14.2%	24,571	-2.4%	26,057	6.0%
41	Science Technologies/Technicians	20,012	24,970	24.8%	23,081	-7.6%	20,992	-9.1%	22,924	9.2%
22	Legal Professions and Studies	24,661	24,602	-0.2%	26,094	6.1%	23,181	-11.2%	22,585	-2.6%
23	English Language and Literature/Letters	29,320	27,744	-5.4%	23,803	-14.2%	20,707	-13.0%	21,229	2.5%
40	Physical Sciences	40,813	36,985	-9.4%	30,307	-18.1%	23,051	-23.9%	20,412	-11.4%
16	Foreign Languages, Literatures, and Linguistics	20,105	18,958	-5.7%	18,270	-3.6%	15,944	-12.7%	16,626	4.3%
27	Mathematics and Statistics	21,272	20,895	-1.8%	18,648	-10.8%	16,129	-13.5%	16,282	0.9%
49	Transportation and Materials Moving	10,797	10,931	1.2%	9,981	-8.7%	12,265	22.9%	13,711	11.8%
32	Basic Skills	12,027	12,216	1.6%	10,704	-12.4%	11,346	6.0%	12,222	7.7%
54	History	11,144	10,945	-1.8%	10,447	-4.5%	9,762	-6.6%	10,080	3.3%
03	Natural Resources and Conservation	9,227	9,159	-0.7%	9,333	1.9%	8,715	-6.6%	9,086	4.3%
04	Architecture and Related Services	6,715	6,919	3.0%	7,028	1.6%	6,700	-4.7%	7,123	6.3%

UNDERSTANDING THE NUMBERS

Table 10 provides college enrollment totals disaggregated by Classification of Instructional Program (CIP) codes. The table excludes the following CIP codes, each of which had total enrollments of less than 5,000: 05 (Area, Ethnic, Cultural, Gender, and Group Studies), 25 (Library Science), 28 (Reserve Officer Training Corps), 29 (Military Technologies), 33 (Citizenship Activities), 34 (Health-Related Knowledge and Skills), 35 (Interpersonal and Social Skills), 36 (Leisure and Recreational Activities), 37 (Personal Awareness and Self-Improvement), 38 (Philosophy and Religious Studies), 39 (Theology and Religious Vocations), 53 (High School/Secondary Diplomas and Certificates), 60 (Residency Programs).

Table 11. Estimated Undergraduate Enrollment by Major at Primarily Associate Degree Granting Baccalaureate Institutions (PABs): 2019 to 2023

Major (CIP Code)	CIP Title	Spring 2019 Enrollment	Spring 2020 Enrollment	Spring 2020 % Change from Previous Year	Spring 2021 Enrollment	Spring 2021 % Change from Previous Year	Spring 2022 Enrollment	Spring 2022 % Change from Previous Year	Spring 2023 Enrollment	Spring 2023 % Change from Previous Year
24	Liberal Arts and Sciences, General Studies and Humanities	409,230	395,042	-3.5%	370,795	-6.1%	357,967	-3.5%	344,784	-3.7%
51	Health Professions and Related Clinical Sciences	165,650	166,673	0.6%	162,505	-2.5%	143,982	-11.4%	137,573	-4.5%
52	Business, Management, Marketing, and Related Support	112,659	112,790	0.1%	109,547	-2.9%	102,747	-6.2%	99,915	-2.8%
11	Computer and Information Sciences and Support Services	46,841	47,756	2.0%	47,497	-0.5%	45,753	-3.7%	49,370	7.9%
43	Security and Protective Services	36,127	34,336	-5.0%	31,003	-9.7%	28,797	-7.1%	26,473	-8.1%
50	Visual and Performing Arts	28,533	29,349	2.9%	26,494	-9.7%	24,072	-9.1%	25,137	4.4%
13	Education	20,980	22,071	5.2%	21,678	-1.8%	22,152	2.2%	22,378	1.0%
15	Engineering Technologies/Technicians	26,759	26,281	-1.8%	24,042	-8.5%	19,696	-18.1%	18,586	-5.6%
47	Mechanic and Repair Technologies/Technicians	16,911	16,512	-2.4%	13,605	-17.6%	13,822	1.6%	14,148	2.4%
42	Psychology	14,083	15,441	9.6%	15,063	-2.5%	13,981	-7.2%	14,136	1.1%
26	Biological and Biomedical Sciences	18,132	17,814	-1.8%	17,527	-1.6%	13,614	-22.3%	13,247	-2.7%
14	Engineering	9,604	9,395	-2.2%	9,171	-2.4%	10,040	9.5%	11,368	13.2%
45	Social Sciences	9,196	9,724	5.7%	9,452	-2.8%	8,752	-7.4%	9,304	6.3%
30	Multi/Interdisciplinary Studies	11,321	11,380	0.5%	11,103	-2.4%	10,112	-8.9%	9,277	-8.3%
19	Family and Consumer Sciences/Human Sciences	14,149	14,377	1.6%	11,754	-18.2%	9,019	-23.3%	9,133	1.3%
12	Personal and Culinary Services	9,424	9,779	3.8%	8,161	-16.5%	8,203	0.5%	8,530	4.0%
01	Agriculture, Agriculture Operations, and Related Sciences	9,244	9,364	1.3%	8,452	-9.7%	7,893	-6.6%	7,785	-1.4%
48	Precision Production	7,345	7,646	4.1%	5,894	-22.9%	6,970	18.3%	7,003	0.5%
46	Construction Trades	11,832	11,244	-5.0%	8,585	-23.6%	7,345	-14.4%	6,592	-10.2%
44	Public Administration and Social Service Professions	8,043	8,318	3.4%	7,677	-7.7%	7,031	-8.4%	6,583	-6.4%
09	Communication, Journalism, and Related Programs	10,354	10,426	0.7%	8,133	-22.0%	5,894	-27.5%	6,239	5.8%
31	Parks, Recreation, Leisure and Fitness Studies	7,885	7,974	1.1%	7,260	-9.0%	6,196	-14.7%	5,853	-5.5%
22	Legal Professions and Studies	5,488	5,625	2.5%	5,729	1.9%	5,802	1.3%	5,337	-8.0%

UNDERSTANDING THE NUMBERS

Table 11 provides college enrollment totals disaggregated by Classification of Instructional Program (CIP) codes. The table excludes the following CIP codes, each of which had total enrollments of less than 2,000: 04 (Architecture and Related Services), 05 (Area, Ethnic, Cultural, Gender, and Group Studies), 25 (Library Science), 28 (Reserve Officer Training Corps), 29 (Military Technologies), 32 (Basic Skills), 33 (Citizenship Activities), 34 (Health-Related Knowledge and Skills), 35 (Interpersonal and Social Skills), 36 (Leisure and Recreational Activities), 37 (Personal Awareness and Self-Improvement), 38 (Philosophy and Religious Studies), 39 (Theology and Religious Vocations), 53 (High School/Secondary Diplomas and Certificates), 60 (Residency Programs).

Table 12. Special Analysis: Spring Freshman Enrollment Estimates by Institutional Sector, Gender: 2020 to 2023 (Unweighted)

Sector	Gender	Spring 2020	Spring 2021		Spring 2022		Spring 2023	
		Enrollment	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year	Enrollment	% Change from Previous Year
All Sectors	Total	364,727	351,451	-3.6%	388,723	10.6%	424,467	9.2%
	Male	160,714	149,985	-6.7%	170,422	13.6%	189,446	11.2%
	Female	178,544	178,922	0.2%	191,444	7.0%	204,688	6.9%
	Missing Gender	25,469	22,544	-11.5%	26,857	19.1%	30,333	12.9%
Public 4-year	Total	50,973	51,666	1.4%	67,577	30.8%	69,664	3.1%
	Male	22,178	22,128	-0.2%	28,097	27.0%	29,337	4.4%
	Female	22,760	23,567	3.5%	31,253	32.6%	31,549	0.9%
	Missing Gender	6,035	5,971	-1.1%	8,227	37.8%	8,778	6.7%
Private nonprofit 4-year	Total	35,348	41,030	16.1%	44,575	8.6%	49,741	11.6%
	Male	15,800	18,379	16.3%	19,382	5.5%	22,310	15.1%
	Female	17,190	20,509	19.3%	22,457	9.5%	24,309	8.2%
	Missing Gender	2,358	2,142	-9.2%	2,736	27.7%	3,122	14.1%
PABs	Total	43,172	40,720	-5.7%	45,066	10.7%	47,558	5.5%
	Male	18,651	17,131	-8.1%	19,403	13.3%	20,750	6.9%
	Female	22,030	21,334	-3.2%	22,538	5.6%	23,319	3.5%
	Missing Gender	2,491	2,255	-9.5%	3,125	38.6%	3,489	11.6%
Public 2-year	Total	213,754	190,502	-10.9%	203,454	6.8%	228,624	12.4%
	Male	96,073	81,402	-15.3%	91,692	12.6%	104,985	14.5%
	Female	104,548	98,405	-5.9%	100,385	2.0%	110,282	9.9%
	Missing Gender	13,133	10,695	-18.6%	11,377	6.4%	13,357	17.4%

UNDERSTANDING THE NUMBERS

Table 12 provides spring freshman enrollment counts disaggregated by gender and institutional sector. Freshman students are those with no previous enrollment or completion records across the Clearinghouse universe of higher education institutions since 1993, unless the previous enrollment record is prior to age 18 or graduation from high school (dual enrollment). The spring freshmen counts provided in this report are unweighted, not accounting for the Clearinghouse data coverage rates. Freshmen at private for-profit four-year and private two-year institutions are included in the total, although not shown here due to small student counts.

Methodological Notes

NATIONAL COVERAGE OF THE DATA AND WEIGHTING FOR THIS REPORT

As of fall 2021, institutions actively submitting enrollment data to the Clearinghouse account for 97 percent of all enrollments at Title IV, degree-granting institutions in the U.S. Because Clearinghouse participation grew over the period covered by this report, and because coverage of institutions (i.e., percentage of all institutions participating in the Clearinghouse) is not 100 percent for any individual year, weights were applied by institutional sector and state to better approximate enrollments at all institutions nationally. Using all IPEDS Title IV, degree-granting institutions as the base population, weights for each institutional sector and state were calculated using the inverse of the rate of enrollment coverage for that sector and state in the relevant year. Given the unavailability of fall 2022 IPEDS enrollments at the time of publication, fall 2021 IPEDS enrollments were used as the basis for calculating the fall 2022 Clearinghouse data coverage rates, and these rates were applied to estimate the spring 2023 enrollments. However, in the special analysis of spring freshman enrollment, the reported data are unweighted, unadjusted for data coverage rates (Table 12). For detailed statistics on enrollment coverage, as well as other aspects of Clearinghouse data, view "Working With Our Data."

DIFFERENCES FROM IPEDS DATA

National Student Clearinghouse data are non-adjudicated, administrative data that come directly from college and university registrars. The data differ from IPEDS survey data in several important ways:

1. Term definition: IPEDS does not conduct a spring enrollment survey, so there are no comparable IPEDS numbers for the spring. For Clearinghouse reporting, institutions provide the start- and end-dates for each enrollment, rather than formally designating fall or spring terms. Spring terms included in the Current Term Enrollment Estimates account for the academic terms that:

    a) began between January 15 and March 31, inclusive OR

    b) ended between February 15 and April 30, inclusive OR

    c) began before January 15 AND ended after April 30.

2. Degree-granting status: When referencing IPEDS enrollment counts, it is important to distinguish counts limited to degree-granting institutions from those that also include non-degree-granting institutions. NCES publishes both of these counts in IPEDS First-Look Reports. The Clearinghouse counts in this report are limited to Title IV, degree-granting institutions.

3. Enrollment status changes: Institutions submit data to the Clearinghouse throughout a given term, capturing changes in enrollment status from one submission to the next. The counts in this report include all students whose institution submitted at least one enrollment record showing the student enrolled as either full time, three-quarters time, half time, or less than half time during the term. For IPEDS reporting, an institution generally counts a student according to the student's enrollment status as of the institution's IPEDS census date.

PRIMARILY ONLINE INSTITUTIONS (POIs), MULTI-STATE INSTITUTIONS

Primarily online institutions (POIs) were identified based on the distance education survey items in the IPEDS fall 2020 enrollment survey. Any institution where the primary campus reports more than 90 percent of its students enrolled exclusively in distance education courses before the COVID-19 pandemic began is considered a POI. This applies as long as the entire institution—rather than a single branch campus—meets this enrollment threshold. Using this method, there were between 28 and 31 institutions identified depending on the year. POIs are predominantly for-profit four-year, multistate institutions. Beginning with the fall 2022 CTEE report, POIs have been grouped with multistate institutions in the CTEE report series. Prior to the fall 2022 CTEE report, some POIs that were not already designated as multistate institutions by the Research Center had been included in state totals.

Multi-state institutions are those with at least one branch campus operating in a different state from the main campus as reported in the fall 2021 IPEDS Institutional Characteristics Survey data.

INSTITUTION SECTOR RECLASSIFICATIONS, PRIMARILY ASSOCIATE DEGREE GRANTING BACCALAUREATE INSTITUTIONS (PABs)

There has been a growing number of sector reclassifications by IPEDS from associate colleges to four-year institutions, which are considered Primarily Associate Degree Granting Baccalaureate Institutions (PABs). PABs can be identified using the institutional category variable from the IPEDS Institutional Characteristics survey, which relies on both program offerings and degrees awarded. Alternatively, PABs can be identified based on the Carnegie Classification of Institutions of Higher Education (2021), which similarly relies on program offering (there must be one bachelor's-level program offered) and degrees awarded. The IPEDS methodology identifies more PABs than the Carnegie methodology. This is because Carnegie excludes tribal colleges and special focus colleges (e.g., those focused on health sciences, arts, or religious instruction) from its PAB designation. We elect to use the more conservative Carnegie Classification. PABs carry Carnegie Classifications of either 14 (Associate Dominant) or 23 (Mixed Baccalaureate/Associate). In general, Institutions with a 14 designation award 90% or more of degrees at the associate level while those with a 23 designation award 51% to 90% of degrees at this level.

This report utilizes the 2018 Carnegie Classification for academic years 2018-2019 through 2020-2021 and the 2021 Carnegie Classification for academic years 2021-2022 through 2022-2023. While the classification largely follows IPEDS sector designations, where there are differences between IPEDS and Carnegie, we follow the Carnegie Classification. These discrepancies primarily affect PABs (see above) as well as 46 institutions considered four-year institutions by IPEDS but two-year institutions by Carnegie. Most institutions in the latter case (40) are public institutions. Institution sector designations are applied for the specific year in which reclassifications occurred.

STUDENTS WITHOUT VALID IDENTIFIERS

Students without a valid identifier reported to the Clearinghouse were previously presumed to be international students and thus excluded from previous editions of the spring CTEE report. In recent years, more U.S. students have appeared in this category. In order to better reflect the full population of students reported to the Clearinghouse, all students without a valid identifier, including U.S. and international, are now included in the spring CTEE report series. We have re-estimated previously

published results going back to 2019, which are reflected in the current edition. This is a large change given that these students increased steadily, from 864,000 in 2019 to 1,053,000 in 2023 (growing from 4.7% to 6.1% of the national total). This improved estimation was first introduced in the Fall 2022 CTEE Expanded Edition report.

FRESHMAN ENROLLMENT

Freshman students are those with no previous enrollment or completion records across the Clearinghouse universe of higher education institutions since 1993 unless the previous enrollment record is prior to age 18 or graduation from high school (dual enrollment). In addition, this report removes graduate-level credential-seeking students from all years who were previously erroneously flagged as freshmen. The freshman counts provided in this report are unweighted, not accounting for the Clearinghouse data coverage rates.

MAJOR FIELD OF STUDY

Major field of study across all years has been harmonized to reflect the 2020 NCES Classification of Instructional Programs (CIP) at the two-digit CIP family level.

GENDER IMPUTATION

Institutions reported student gender to the Clearinghouse for about three-quarters of all students included in this report. The gender for an additional 20 percent of the students was imputed using a table of name-gender pairs that the Research Center developed using data publicly available from the Census Bureau and the Social Security Administration as well as the institution-reported data. The imputation used only those pairs in which the name had at least two instances and was associated with a single gender in at least 95 percent of the instances. The imputation is accurate in 99.6 percent of the cases where gender was reported by institutions. For a detailed document describing this approach, see "Working With Our Data" page.

ACKNOWLEDGEMENTS

SUGGESTED CITATION

Berg, B., Lee, S., Randolph, B., Ryu, M., & Shapiro, D. (May 2023), Current Term Enrollment Estimates: Spring 2023, Herndon, VA: National Student Clearinghouse Research Center.