



ACCELERATE MS

DIPLOMA

A blue-toned illustration depicting educational and financial themes. It includes a graduation cap, a stack of books, a large dollar sign, a person in a suit, a person at a laptop, and a person holding a large dollar coin. The word 'DIPLOMA' is faintly visible in the background.

RETURN ON INVESTMENT

2026

SECONDARY AND POSTSECONDARY
CAREER & TECHNICAL EDUCATION
PROGRAMS

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Introduction

AccelerateMS is a central hub driving connection between the workforce, employers, and training organizations to facilitate an effective workforce development pipeline in Mississippi. Through job training, education, and support services aligned with local trends and industry needs, AccelerateMS leads policy and programs designed to increase the employability and earning potential of Mississippians while simultaneously bridging the gap between workforce skills and industry needs.

Career and Technical Education (CTE) is a core workforce strategy in Mississippi, designed to equip learners with technical skills, industry credentials, and pathways to high-demand careers. Mississippi's CTE system spans K-12 pathways and postsecondary programs delivered through Mississippi's community colleges.

Enacted on March 23, 2022, HB1388 requires an annual study be conducted that examines the outcomes of Mississippi K-12 and community college students who complete CTE programs, defined as the completion of (1) an Associate of Applied Science degree or (2) a Career Certificate (3) or Technical Certificate. An Associate of Applied Science degree is a two-year program designed to prepare students to enter the workforce with advanced technical and academic skills, while a Career and Technical Certificate is a focused, shorter-term training program with the goal of acquiring a specific job or skill set.

This report provides a full-length, data-driven estimate of the economic value of Mississippi's CTE investments for FY23 and FY24. The analysis is structured to mirror the prior year's Return on Investment (ROI) report format and to support program leadership, policymakers, and stakeholders with a consistent evidence base for decision-making.

The report covers (1) K-12 CTE concentrators and (2) community college CTE participants enrolled in Associate of Applied Science (AAS) and Career & Technical Certificate programs. Outcomes are drawn from the most recent H.B. 1388 analyses available for K-12 and Mississippi's community colleges, and cost information is drawn from FY23 budgets for community colleges and Mississippi Department of Education (MDE) statewide CTE expenditure reporting.

This report is designed to answer three practical questions:

- What is the scale of Mississippi's investment in CTE across K-12 and community colleges?

- What earnings outcomes are associated with CTE participation, and what is the implied economic value of those outcomes to Mississippi taxpayers?
- How does BCR vary across Mississippi's eight workforce ecosystems?

Methodology

The methodology for this analysis follows a steady-state modeling approach, pairing a single fiscal year of documented expenditures with multi-year average outcome benchmarks to reflect typical annual system performance. All monetary values are modeled over a 10-year horizon to account for the long-term nature of education-related workforce returns.

For community colleges, FY24 systemwide expenditure data for credit CTE and non-credit Workforce programs were used as the cost base. Total expenditure represents the annual operating investment required to maintain instructional capacity and program delivery statewide. Outcome benchmarks were drawn from the NSPARC HB 1388 State Longitudinal Data System (SLDS) analysis using multi-year averages for community college CTE graduates. These steady-state outcomes include average annual graduates, employment within one year of completion, and median annual earnings among employed completers. The use of multi-year averages reduces volatility associated with single-cohort fluctuations and reflects typical system performance under current operating conditions.

For K–12 CTE programs, expenditures were aligned to the academic year (AY2023) cohort analyzed in this report. Total K–12 CTE investment reflects Fiscal Year 2023 (FY23) funding associated with School Year 2022–2023 operations. The FY23 total was derived from the Mississippi Department of Education's FY23 CTE Revenue and Expenditure Report. This approach ensures temporal alignment between program expenditures and the student cohort outcomes examined.

The ROI model estimates incremental earnings attributable to CTE participation using a conservative earnings premium approach anchored to a published counterfactual baseline. Because administrative wage data do not provide matched pre-program wages or a non-participant comparison group, incremental impact is modeled relative to median annual earnings for Mississippi workers with a high school diploma and no postsecondary credential. This baseline was derived from the U.S. Census Bureau's American Community Survey (ACS), Table S2001 (Earnings in the Past 12 Months by Educational Attainment), which reports median earnings by level of education. The observed median earnings for employed community college CTE completers (\$36,249) were compared to the ACS-

reported median earnings for individuals with a high school diploma only in Mississippi to estimate the earnings differential associated with credential attainment.

To calculate total program benefits, annual incremental earnings attributable to credential attainment were first estimated as the difference between observed median earnings for employed completers and a counterfactual earnings baseline representing individuals with a high school diploma only. A conservative attribution rate was applied to the observed earnings differential to avoid overstating program impact. The resulting incremental annual earnings per employed completer were multiplied by the steady-state number of employed graduates to estimate total annual incremental earnings attributable to the program.

These annual earnings gains were projected over a 10-year horizon using a modest real wage growth assumption. Future earnings were then discounted to present value using a 3 percent real discount rate to reflect the time value of money. The present value of this 10-year stream of incremental earnings constitutes the total economic benefit used in the benefit–cost ratio (BCR) calculation.

To avoid overstating impact, only a conservative portion of the observed earnings differential is attributed to program participation. This attribution structure is consistent with prior-year methodology and reflects established research demonstrating wage premiums associated with associate degree and postsecondary credential attainment (U.S. Bureau of Labor Statistics, Earnings by Educational Attainment; Georgetown University Center on Education and the Workforce). Incremental earnings are projected over a 10-year period using a modest real wage growth assumption and discounted to present value using a 3% discount rate.

The 10-year present value of projected incremental earnings is compared against annual program expenditures to calculate the benefit–cost ratio (BCR). The BCR represents the ratio of discounted long-term economic benefits to annual operating costs. A BCR greater than 1.0 means the long-term benefits are larger than the investment.

Workforce program expenditures are fully incorporated into total system investment; however, comparable participant-level employment and earnings outcome data specific to Workforce programs were not available within the SLDS dataset used for CTE modeling. As a result, Workforce-specific ROI estimates require additional outcome alignment and are not included in the primary benefit–cost calculation.

This structured approach preserves methodological separation between K–12 and postsecondary systems while allowing for integrated analysis of Mississippi’s CTE

continuum. All assumptions regarding attribution, growth, discounting, and transition rates are explicitly stated to ensure transparency and replicability.

Executive Summary

This report presents a 10-year return on investment (ROI) analysis of Mississippi's Career and Technical Education (CTE) ecosystem, including community college CTE and Workforce programs and the upstream contribution of K-12 CTE. The purpose of this study is to evaluate the long-term economic value generated by public investment and to assess system performance under steady-state operating conditions. The analysis pairs FY24 systemwide community college expenditures with multi-year average employment and earnings outcomes from the NSPARC HB 1388 State Longitudinal Data System (SLDS) analysis. K-12 CTE is evaluated separately as a workforce pipeline investment using FY23 expenditures aligned to the AY2023 student cohort.

When modeled over a 10-year horizon using incremental earnings attributable to CTE participation and discounted to present value, the projected taxpayer benefit–cost ratio (BCR) for community college CTE programs is approximately **3.08**. This indicates that for every dollar invested in community college CTE programs, Mississippi taxpayers can expect to realize approximately \$3.08 in long-term economic value through increased workforce earnings and associated fiscal activity.

The projected 10-year taxpayer BCR for K-12 CTE programs is approximately **0.72**. This indicates that for every dollar invested at the secondary level, Mississippi taxpayers can expect to realize approximately \$0.72 in long-term economic return through downstream postsecondary continuation and workforce earnings gains. This 0.72 return is in line with findings from other states' K-12 CTE programs, as most graduates do not directly enter the workforce immediately.

Although annual returns do not fully offset operating expenditures within a single fiscal year, long-term workforce earnings gains generate substantial cumulative economic return over time across Mississippi's CTE ecosystem.

Investment Analysis

In FY23, Mississippi invested \$104,677,671.33 in K–12 CTE programming, reflecting federal Perkins V allocations and state CTE district-level funding aligned to the AY2023 student cohort. In AY2023, 9,822 students were identified as K–12 CTE concentrators statewide. Of those concentrators, 875 students (8.9%) enrolled in an aligned postsecondary CTE major within one year of graduation, reflecting measurable secondary-to-postsecondary pathway continuation.

K–12 CTE is evaluated as an upstream pipeline investment that strengthens the transition of students into postsecondary CTE pathways and subsequent employment. Under conservative transition assumptions linking secondary participation to downstream postsecondary completion and workforce earnings outcomes, the projected 10-year taxpayer BCR for K–12 CTE programs is approximately **0.72**. This indicates that for every dollar invested at the high school level, taxpayers realize approximately **\$0.72** in downstream economic return within the modeled horizon.

In FY24, Mississippi community colleges expended \$164.16 million on credit CTE programs and \$34.51 million on non-credit Workforce programs, representing a combined postsecondary CTE and Workforce investment of \$198.67 million. Under steady-state outcome benchmarks, community college CTE programs produce approximately 7,748 graduates annually, with 4,895 employed within one year of completion and median annual earnings of \$36,249 among employed completers. These steady-state outcomes reflect consistent workforce placement and earnings performance across multiple academic years.

At the regional level, program performance varies across Mississippi’s eight workforce ecosystems. Table 3.1 presents the 10-year benefit–cost ratio and associated annualized earnings outcomes by ecosystem and credential type, reflecting variation in industry alignment, regional labor market conditions, and wage levels.

Table 3.1: BCR of CTE Programs by Ecosystem

Program	10-Year Benefit-Cost Ratio	Median Annual Earnings (AY2024)
Ecosystem 1 Associate of Applied Science	2.77	\$40,768
Ecosystem 1 Career & Technical Certificate	1.51	\$26,926

Ecosystem 2 Associate of Applied Science	2.78	\$37,774
Ecosystem 2 Career & Technical Certificate	1.69	\$35,627
Ecosystem 3 Associate of Applied Science	1.71	\$46,846
Ecosystem 3 Career & Technical Certificate	0.77	\$38,450
Ecosystem 4 Associate of Applied Science	5.77	\$52,185
Ecosystem 4 Career & Technical Certificate	2.81	\$39,901
Ecosystem 5 Associate of Applied Science	9.29	\$51,940
Ecosystem 5 Career & Technical Certificate	2.93	\$38,353
Ecosystem 6 Associate of Applied Science	3.45	\$44,983
Ecosystem 6 Career & Technical Certificate	2.11	\$37,384
Ecosystem 7 Associate of Applied Science	3.49	\$42,837
Ecosystem 7 Career & Technical Certificate	2.91	\$35,600
Ecosystem 8 Associate of Applied Science	3.08	\$43,399
Ecosystem 8 Career & Technical Certificate	1.87	\$33,739
MS K–12 CTE (10-Year Pipeline Model)	0.072	—

Source: SLDS 2025

Overall, Mississippi’s CTE ecosystem demonstrates measurable long-term economic contribution. Community college CTE programs generate strong positive taxpayer returns over a 10-year horizon, while K–12 CTE functions as a strategic workforce feeder investment whose return depends on effective alignment with postsecondary pathways. Future refinements—including incorporation of tuition data and Workforce-specific outcome measures—will further strengthen the comprehensive evaluation of statewide CTE investment.

Profile of Mississippi’s CTE Participants

Understanding the demographic makeup of CTE participants relative to Mississippi’s overall population and labor force provides important context for evaluating equity and workforce alignment. Table 4.1 gives an overview of the change in CTE enrollment from AY2021 to AY2025, showing that overall community college enrollment growth stems mostly from CTE Certification enrollment.

Table 4.1: Numeric and Percent Change in Enrollment from AY2021-AY2025

	AY2021	AY2025	Numeric Change	Percent Change
Total Community College Enrollment	89,347	89,985	638	1%
Total CTE Student Enrollment	19,852	19,617	-235	-1%
<i>AAS Degree</i>	14,992	14,392	-600	-4%
<i>CTE Certificate</i>	4,860	5,225	365	8%

Source: SLDS 2025

Tables 4.2 and 4.3 present gender and race distributions across the Mississippi population, the unemployed population, Community College CTE participants (AY2024), and K–12 CTE concentrators (AY2023).

Gender & Race Profile

Table 4.2 presents the gender distribution of Mississippi’s population, unemployed population, and CTE participants at both the secondary and postsecondary levels. Mississippi’s population is approximately 48% male and 52% female. The unemployed population skews more heavily female, with women representing approximately 56% of unemployed individuals statewide.

K–12 CTE participation in AY2023 closely mirrors the state’s population distribution, with 48% male and 52% female concentrators. This indicates proportional access to secondary CTE programs across gender groups.

At the postsecondary level, Community College CTE enrollment in AY2024 reflects a similar distribution (47% male and 53% female). However, gender representation shifts at completion. Among Community College CTE graduates in AY2024, 42% were male and 57% were female. This pattern suggests that female students complete CTE credentials at higher rates relative to their enrollment share.

Overall, Mississippi’s CTE system demonstrates broad gender access at the secondary and postsecondary entry points, with female representation increasing at the completion stage of community college CTE programs. From a workforce perspective, these trends indicate strong female participation and credential attainment within the state’s CTE pipeline.

Table 4.2: Gender Distribution of Labor Force

Population	Male	Female
Mississippi Population	48%	52%
Mississippi Unemployed Population	44%	56%
All MS CTE*	48%	52%
Community College CTE Enrollment (AY2024)	47%	53%
Community College CTE Graduates (AY2024)	42%	57%
K–12 CTE (AY2023)	48%	52%

Source: SLDS 2025; U.S. Census Bureau; Mississippi Department of Employment Security *Includes Community College CTE Enrollment (AY2024) and K–12 CTE (AY2023)

Table 4.3 compares the racial and ethnic makeup of Mississippi’s population, unemployed population, and CTE participants at the secondary and postsecondary levels. Mississippi’s population is approximately 57% and 38% Black. In contrast, the unemployed population is disproportionately Black, representing roughly two-thirds of unemployed individuals statewide.

K–12 CTE participation in AY2023 reflects broad representation, with 47% White and 45% Black concentrators. At the postsecondary level, Community College CTE enrollment in AY2024 shows similar overall representation, though Associate of Applied Science programs enroll a slightly higher proportion of White students, while Career and Technical Certificate programs enroll a higher proportion of Black students.

Overall, Mississippi’s CTE system serves populations that closely reflect the state’s demographic composition and engages groups disproportionately represented among the

unemployed. The primary policy focus, therefore, is not access, but ensuring that participation leads to aligned credentials, employment, and long-term economic return.

Table 4.3: Racial/Ethnic Breakdown of Mississippi Population and CTE Participants

Demographic	MS	MS Unemployed	All MS CTE*	AAS (AY24)	CTE (AY24)	K-12 CTE (AY23)
% White	57%	32%	49%	52%	37%	47%
% Black or African American	38%	66%	44%	40%	56%	45%
% Hispanic/Latino	4%	2%	3%	3%	4%	—
% Asian	1%	<1%	1%	1%	1%	—
% Two or more races	2%	<1%	2%	2%	2%	—
% Unknown (not disclosed)	0%	0%	1%	2%	1%	1%

Source: SLDS 2026; U.S. Census Bureau; Mississippi Department of Employment Security

*Includes Community College CTE Enrollment (AY2024) and K-12 CTE (AY2023)

Other Participant Characteristics

Table 4.4 presents the number and percentage of Community College CTE graduates (AY2024) and K-12 CTE concentrators (AY2023) who received SNAP, TANF, or Unemployment Insurance (UI) benefits within one year of graduation.

Across ecosystems, Community College CTE graduates demonstrate relatively low rates of public assistance receipt, generally ranging between 7 and 10%, with Ecosystem 3 at 12% and Ecosystem 1 notably higher at 18%. In contrast, K-12 CTE concentrators show greater variability, ranging from 3 to 15%, with Ecosystem 3 (15%) and Ecosystem 1 (11%) exhibiting the highest proportions of benefit participation.

These patterns suggest that postsecondary credential attainment is associated with stronger short-term labor market attachment and reduced reliance on public assistance programs. Regional variation indicates that local labor market conditions continue to influence post-graduation economic stability. From a taxpayer ROI perspective, reductions in public assistance reliance represent an additional, though secondary, fiscal benefit beyond wage gains alone.

Table 4.4: CTE Graduates Receiving SNAP, TANF, or UI One Year After Graduation

Ecosystem	CC CTE Graduates	CC CTE Grads with Benefits	% of CC CTE Graduates	K-12 CTE Conc. Graduates	K-12 CTE Grads with Benefits	% of K-12 CTE Graduates
Ecosystem 1	196	36	18%	314	35	11%
Ecosystem 2	1,215	79	7%	1,320	46	3%
Ecosystem 3	214	26	12%	386	58	15%
Ecosystem 4	1,427	112	8%	1,077	82	8%
Ecosystem 5	1,342	119	9%	1,624	148	9%
Ecosystem 6	1,206	96	8%	1,264	88	7%
Ecosystem 7	515	53	10%	586	59	10%
Ecosystem 8	1,725	123	7%	2,299	129	6%

Source: SLDS 2026 (AY2024 CC; AY2023 K-12)

Mississippi’s Economy

AccelerateMS serves the state of Mississippi and continues to invest resources to improve the quality of the workforce both regionally and statewide. Before examining the impacts and benefits generated by CTE programs on the regional economy, it is important to understand the state’s industry composition.

Table 4.5 provides the breakdown of jobs by industry sector in Mississippi for 2025. Among the state’s non-government sectors, Health Care and Social Assistance is the largest employer, supporting 151,156 jobs or 11.2 percent of total employment. Manufacturing closely follows with 146,872 jobs or 10.9 percent of total employment, while Retail Trade supports 146,376 jobs, also representing 10.9 percent of the state’s total employment. Accommodation and Food Services accounts for an additional 129,844 jobs or 9.6 percent of total employment.

Government remains the single largest employment sector overall, supporting 260,077 jobs or 19.3 percent of total employment. Altogether, Mississippi supports approximately 1,345,859 jobs statewide.

Average wages vary significantly by sector. Utilities (\$138,041), Management of Companies and Enterprises (\$121,725), and Mining, Quarrying, and Oil and Gas Extraction (\$105,049) offer the highest average earnings, though they represent a smaller share of total employment. In contrast, sectors such as Accommodation and Food Services (\$25,451)

and Arts, Entertainment, and Recreation (\$27,688) provide lower average wages despite employing a substantial number of workers.

This industry composition provides important context for evaluating the alignment and economic impact of Mississippi’s CTE programs.

Table 4.5: Jobs and Average Wages by Sector - 2025

Description	2025 Jobs	% of Total Jobs	Avg. Earnings Per Job
Agriculture, Forestry, Fishing and Hunting	22,414	1.7%	\$47,709
Mining, Quarrying, and Oil and Gas Extraction	3,245	0.2%	\$105,049
Utilities	8,512	0.6%	\$138,041
Construction	71,321	5.3%	\$69,972
Manufacturing	146,872	10.9%	\$77,386
Wholesale Trade	38,945	2.9%	\$90,545
Retail Trade	146,376	10.9%	\$39,660
Transportation and Warehousing	72,933	5.4%	\$66,407
Information	10,378	0.8%	\$80,494
Finance and Insurance	38,764	2.9%	\$90,160
Real Estate and Rental and Leasing	13,880	1.0%	\$58,324
Professional, Scientific, and Technical Services	48,643	3.6%	\$85,322
Management of Companies and Enterprises	11,294	0.8%	\$121,725
Administrative and Support and Waste Management and Remediation Services	77,869	5.8%	\$44,461
Educational Services	19,385	1.4%	\$43,855
Health Care and Social Assistance	151,156	11.2%	\$63,966
Arts, Entertainment, and Recreation	12,453	0.9%	\$27,688
Accommodation and Food Services	129,844	9.6%	\$25,451
Other Services (except Public Administration)	61,499	4.6%	\$35,646
Government	260,077	19.3%	\$68,793
	1,345,859	100.0%	\$69,032.70

Source: Lightcast 2026

Investment Analysis Results

Participant Earnings

A central component of this analysis is the examination of participant earnings outcomes before and after program participation, as the difference between these values represents

the marginal economic benefit associated with CTE attainment. For community college programs, post-program earnings reflect median annual wages for employed completers as reported through the HB 1388 State Longitudinal Data System (SLDS) analysis. These earnings represent observed labor market outcomes within one year of program completion and provide the basis for estimating long-term workforce impact.

Because matched individual-level pre-program wage records were not available for the current study year, pre-program earnings were estimated using a counterfactual baseline approach. Specifically, ecosystem-level baseline earnings were derived from the U.S. Census Bureau’s American Community Survey (ACS), Table S2001, which reports median annual earnings for individuals aged 25 and older whose highest level of educational attainment is a high school diploma or equivalent (“HS-only”). County-level ACS estimates were aggregated and population-weighted to align with each of Mississippi’s eight workforce ecosystems. This approach provides a conservative and regionally grounded estimate of what participants might be expected to earn in the absence of postsecondary credential attainment.

Table 5.1 presents the estimated baseline earnings (HS-only, ACS), observed post-program median earnings, and the resulting annual wage lift by ecosystem and credential type. This table provides a side-by-side comparison of expected high school–only earnings and post-credential outcomes, illustrating the measurable economic premium associated with CTE completion across Mississippi’s workforce regions.

Table 5.1: Post-Program Earnings Increases

Ecosystem	Estimated Baseline Earnings (HS-only, ACS)	AAS Median Earnings	Estimated Wage Lift (AAS)	CTC Median Earnings	Estimated Wage Lift (CTC)
Ecosystem 1	\$24,000	\$40,768	\$16,768	\$26,926	\$2,926
Ecosystem 2	\$30,000	\$37,774	\$7,774	\$35,627	\$5,627
Ecosystem 3	\$23,000	\$48,846	\$25,846	\$38,450	\$15,450
Ecosystem 4	\$28,000	\$52,185	\$24,185	\$39,901	\$11,901
Ecosystem 5	\$34,000	\$51,940	\$17,940	\$38,353	\$4,353
Ecosystem 6	\$27,000	\$44,983	\$17,983	\$37,384	\$10,384
Ecosystem 7	\$29,000	\$42,837	\$13,837	\$35,600	\$6,600
Ecosystem 8	\$32,000	\$43,399	\$11,399	\$33,739	\$1,739

Source: SLDS 2025, U.S. Census Bureau

The estimated baseline earnings are compared to observed post-program earnings to calculate the annual wage differential associated with credential completion. This wage differential reflects the earnings lift attributable to postsecondary training, controlling for regional labor market conditions. Across ecosystems, postsecondary CTE credentials consistently produce meaningful wage premiums above high school–only earnings levels. In lower-wage regions, the relative earnings lift is often proportionally larger, indicating that CTE credentials may play a particularly important role in improving economic mobility in economically distressed areas. In higher-wage regions, while baseline earnings are stronger, credential attainment still produces measurable additional earnings that compound over time.

Several key insights emerge from this analysis:

- Credential attainment produces consistent positive wage differentials statewide. In every ecosystem examined, post-program median earnings exceed estimated high school–only baseline earnings, reinforcing the economic value of postsecondary CTE completion.
- Regional wage lift varies with labor market structure. Ecosystems anchored by manufacturing, healthcare, and technical industries tend to demonstrate stronger absolute earnings gains, reflecting alignment between CTE pathways and high-demand sectors.
- CTE credentials contribute to economic stabilization in lower-income regions. In ecosystems where baseline earnings are comparatively low, the proportional earnings lift from CTE attainment represents a substantial improvement in household income potential.
- Short-term gains compound into long-term returns. Even moderate annual wage differentials generate significant cumulative economic value when projected over a 10-year horizon, forming the foundation of the benefit–cost analysis presented in subsequent sections.

All earnings values are modeled on an annual basis to maintain consistency with SLDS-reported outcomes. The resulting ecosystem-level wage lift estimates provide contextual insight into regional workforce impact and inform interpretation of program value across Mississippi’s CTE system.

It is important to note that this baseline comparison supports ecosystem-level wage lift analysis and contextual reporting. The statewide benefit–cost ratio (BCR) calculation remains grounded in the structured ROI framework described in Section 4, which applies a conservative earnings-premium methodology over a 10-year projection horizon.

Growth in Regional Tax Revenue

The primary objective of Career and Technical Education (CTE) programs is to increase participants' skills, improve employability, and raise long-term earnings. As postsecondary completer earnings increase, state tax revenues increase through income and consumption-based tax systems. These incremental revenues represent a direct fiscal benefit to Mississippi taxpayers.

The projected increase in state tax revenues is derived from the present value of incremental earnings generated by Community College CTE participants over a 10-year horizon. Incremental earnings attributable to credential attainment are first estimated, consistent with the earnings differential methodology described in Section 4. Future earnings streams are then discounted to present value terms to ensure comparability with current-year program costs.

To estimate the portion of increased earnings returned to the state as tax revenue, this study applies a conservative effective state tax capture rate of 4.5 percent. This rate reflects Mississippi's individual income tax structure and the state's sales tax incidence on household consumption expenditures. Using an effective capture rate rather than statutory marginal rates avoids overstating fiscal impacts and provides a reasonable estimate of the combined income and consumption tax effects associated with higher wages.

Based on the present value of projected incremental earnings for AY2024 Community College CTE participants, the estimated present value of additional state tax revenues over a 10-year horizon is approximately \$27 million.

Discount Rate:

Future tax revenues are discounted to present value using a real discount rate of 3%, consistent with the rate applied throughout the ROI analysis. Discounting reflects the time value of money and ensures that future fiscal benefits are expressed in current-year dollars and are directly comparable to program costs.

Income Tax Caveat:

Mississippi recently passed the Build Up Mississippi Act (House Bill 1 2025) that gradually lowers the state income tax rate to 3%, and potentially to 0% if revenue triggers are met. As

the income tax rate phases down over time, the state will rely more heavily on sales and other consumption-based taxes. The timing and full impact of this transition will depend on future revenue conditions.

The ROI estimates in this report are based on the tax structure in place at the time the analysis was conducted and do not account for future changes under the new law. In other words, the projections assume a stable tax environment. If income tax rates decline further, the amount of earnings growth captured as direct state revenue could change. However, the underlying wage gains and economic benefits generated by CTE programs would remain the same, regardless of how the state chooses to tax income.

K-12 CTE-to-CTE Alignment

Alignment between secondary and postsecondary Career and Technical Education (CTE) pathways was evaluated using Tables 2, 23, and 24 of the HB 1388 K–12 results. Consistent with the Perkins V definition, the denominator includes all secondary CTE concentrators graduating in AY2023 (n = 9,822). Alignment is defined as concentrators who enrolled in postsecondary education within one year of graduation and declared a major within the same CTE cluster as their high school program of study.

Using the Perkins V standard for CTE-to-CTE alignment, Community College CTE-to-CTE alignment is **3.4%**, reflecting 333 concentrators who enrolled in a Mississippi community college and declared an aligned major. University CTE-to-CTE alignment is **5.5%**, reflecting 542 concentrators who enrolled in a Mississippi public university and declared an aligned major. Combined, 875 concentrators continued into aligned postsecondary CTE majors, producing a total postsecondary CTE-to-CTE alignment rate of **8.9%** for the AY2023 cohort.

These findings indicate that while a substantial share of concentrators transition to postsecondary education overall, fewer than one in ten continue into a directly aligned CTE field within one year of graduation. The split between sectors is notable: public universities account for a larger share of aligned continuation (5.5%) than community colleges (3.4%), despite community colleges serving as the state’s primary workforce training institutions. This pattern suggests that pathway continuation may be influenced by cluster composition, program availability, transfer articulation structures, and advising practices.

Subgroup analysis reveals meaningful variation. Alignment exceeds the statewide average in several ecosystems and clusters, particularly in Information Technology (30.5%), STEM (22.5%), and Manufacturing (10.4%), indicating strong vertical coherence in technical fields with clearly defined credential ladders. In contrast, alignment remains comparatively

low in Agriculture (4.0%), Law and Public Safety (3.4%), and Arts, A/V and Communications (2.8%), suggesting weaker secondary-to-postsecondary articulation or alternative post-graduation pathways in those fields. Regional variation is also evident, with Ecosystem 5 (12.8%) and South Central Mississippi Works (11.1%) demonstrating stronger continuation patterns than several other regions. Table 6.1 details alignment by demographic group, geography, and CTE cluster.

K–12 CTE produces measurable downstream economic value, though returns remain below break-even under current alignment rates. Improvements in secondary-to-postsecondary continuation would further strengthen the downstream earnings impact and associated fiscal return of K–12 investment.

Table 6.1: Subgroup Analysis of CTE-to-CTE Alignment

	Concentrators	CC Aligned	Univ Aligned	Total Aligned	Total Alignment %
Total	9,822	333	542	875	8.9%
<i>Gender</i>					
Female	5,070	100	335	435	8.6%
Male	4,752	233	207	440	9.3%
<i>Race</i>					
Black	4,410	143	248	391	8.9%
White	4,646	169	260	429	9.2%
Other	766	21	34	55	7.2%
<i>Race & Gender</i>					
Black Female	2,496	55	179	234	9.4%
Black Male	1,914	88	69	157	8.2%
White Female	2,169	37	137	174	8.0%
White Male	2,477	132	123	255	10.3%
Other Female	405	0	19	19	4.7%
Other Male	361	13	15	28	7.8%
<i>Other Demographics</i>					
Economically Disadvantaged	6,618	149	193	342	5.2%
Children w/ Disabilities	713	26	0	26	3.6%

English Learner	138	0	0	0	0.0%
Homeless	105	0	0	0	0.0%
Ecosystems					
Ecosystem 1	325	10	0	10	3.1%
Ecosystem 2	1,549	72	74	146	9.4%
Ecosystem 3	469	22	24	46	9.8%
Ecosystem 4	1,182	34	55	89	7.5%
Ecosystem 5	1,590	30	173	203	12.8%
Ecosystem 6	1,447	51	50	101	7.0%
Ecosystem 7	725	32	22	54	7.4%
Ecosystem 8	2,535	82	135	217	8.6%
WIOA Region					
Delta	794	32	33	65	8.2%
MS Partnership	2,731	106	129	235	8.6%
South Central	2,315	62	195	257	11.1%
Twin Districts	3,982	133	185	318	8.0%
CTE Clusters					
Agriculture	911	10	26	36	4.0%
Architecture & Construction	831	57	12	69	8.3%
Arts, A/V & Communications	432	0	12	12	2.8%
Business & Marketing	712	23	43	66	9.3%
Education & Training	633	0	55	55	8.7%
Health Science	2,331	29	167	196	8.4%
Hospitality & Tourism	681	26	23	49	7.2%
Human Services	431	23	12	35	8.1%
Information Technology	200	18	43	61	30.5%
Law & Public Safety	494	0	17	17	3.4%
Manufacturing	883	92	0	92	10.4%

STEM	541	0	122	122	22.5%
Transportation, Distribution & Logistics	600	40	0	40	6.7%

Source: SLDS 2026 (AY2023 K–12)

Recommendations

1.) The statewide CTE-to-CTE alignment rate of 8.9% indicates that fewer than one in ten K–12 concentrators continue into a directly aligned postsecondary CTE major within one year of graduation. While K–12 participation is broad and demographically representative, the economic return of this investment is constrained by limited vertical pathway continuation.

The State Workforce Investment Board (SWIB), Mississippi Department of Education (MDE), and community colleges should prioritize:

- Strengthening articulated pathways between high school CTE clusters and community college credentials.
- Increase Prior Learning Assessment (PLA) credit for students to have a more efficient transition to an aligned CTE pathway from K-12 and/or workforce training programs.
- Aligning career advising practices with regional workforce demand and postsecondary program availability.
- Tracking multi-year alignment (beyond one year) to better capture delayed enrollment patterns.

Improving alignment rates would directly strengthen the long-term ROI of K–12 CTE investments.

2.) Community College CTE programs demonstrate a strong 10-year benefit-cost ratio of 3.08. Ecosystem-level variation suggests that certain regions and program clusters are generating particularly strong returns, especially in Manufacturing, STEM, Information Technology, and Health Science-related pathways.

SWIB and community college leadership should consider:

- Targeted expansion of high-demand, above-average wage program clusters.

- Increased employer engagement in sectors demonstrating both strong employment demand and wage growth.
- Continued investment in credential pathways that align with high-wage sectors such as Utilities, Manufacturing, Construction, and Transportation.

Sustaining and scaling programs that already demonstrate strong economic return will compound long-term workforce gains.

3.) This analysis highlights the importance of data alignment across K–12, community college, workforce, and fiscal systems. Several data limitations particularly related to regional retention and workforce program outcomes constrain the precision of ROI modeling.

The Mississippi State Legislature, MDE, and the Mississippi Community College Board may consider:

- Enhancing SLDS integration to include regional retention indicators.
- Expanding reporting for non-credit workforce programs.
- Collecting more granular expenditure data by credential type and Ecosystem.
- Extending longitudinal tracking of secondary-to-postsecondary transitions beyond one year.

Improved data integration will allow future analyses to produce more refined and regionally precise ROI estimates.

Conclusion

Mississippi’s Career and Technical Education (CTE) system represents a substantial and measurable public investment in workforce development. This analysis demonstrates that, when evaluated over a 10-year horizon, community college CTE programs generate strong positive returns for Mississippi taxpayers, with a projected benefit–cost ratio (BCR) of approximately 3.08. This indicates that postsecondary CTE credentials consistently translate into higher earnings, increased tax revenue, and reduced reliance on public assistance programs across the state’s workforce ecosystems.

At the secondary level, K–12 CTE functions as an essential pipeline investment. While the current projected 10-year BCR of approximately 0.72 reflects a more modest downstream fiscal return, the analysis makes clear that pathway continuation is the primary driver of

long-term value. With only 8.9% of concentrators enrolling in an aligned postsecondary CTE major within one year of graduation, the full economic potential of K–12 CTE is not yet being realized. Improvements in vertical alignment between secondary and postsecondary programs would strengthen both workforce outcomes and taxpayer return.

Ecosystem-level analysis further underscores that program performance varies by region, industry composition, and credential type. Regions aligned to high-demand sectors such as Manufacturing, STEM, Health Science, and Information Technology demonstrate particularly strong earnings lift and return profiles. These findings reinforce the importance of aligning program expansion with regional labor market demand and wage potential.

Taken together, the evidence presented in this report offers three key conclusions:

1. Postsecondary CTE credentials generate consistent wage premiums above high school–only earnings levels across all ecosystems.
2. Community college CTE programs produce substantial long-term economic return for taxpayers.
3. Strengthening K–12 to postsecondary pathway alignment represents the single greatest opportunity to improve the overall ROI of Mississippi’s CTE ecosystem.

As Mississippi continues to refine its workforce development strategy, sustained investment in high-performing credential pathways, improved cross-system alignment, and enhanced data integration will be critical. With continued focus on alignment, completion, and labor market demand, Mississippi’s CTE system is positioned not only to improve individual economic mobility, but also to strengthen the state’s long-term fiscal and economic resilience.

Data Limitations

For K–12 CTE programs, expenditure data were provided at the state level and were not disaggregated by Ecosystem. As a result, K–12 investment analysis was conducted at the statewide level rather than regionally. Similarly, certain participant characteristics—such as barriers to workforce participation (e.g., homelessness, justice involvement, pregnancy, SNAP participation, veteran status)—were available only in aggregate form and only for post-program graduates. Pre-program demographic and barrier data were not available for modeling.

Post-program regional retention data were also not available within the SLDS extracts used for this study. In the absence of migration and settlement data, the model assumes in-state employment for participants with observed post-program wage records. Future incorporation of participant mobility data could refine estimates of regional tax revenue retention and workforce impact.

Additionally, funding data for community college CTE were aggregated at the program level and were not disaggregated between Associate of Applied Science and Career and Technical Certificate credentials. Investment allocation was therefore modeled proportionally based on enrollment distribution within each Ecosystem. SLDS outcome data were provided at the Ecosystem level rather than at individual community colleges. In regions where multiple colleges operate within a single Ecosystem—or where a single institution spans multiple Ecosystems—impact attribution may reflect shared regional effects rather than institution-specific outcomes.

These limitations do not invalidate the findings presented; rather, they reflect the current structure of available administrative data. The methodology applied in this report prioritizes consistency, conservative assumptions, and transparency. As data systems continue to evolve, future iterations of this analysis may incorporate more granular expenditure, participant, and retention information to further refine return-on-investment estimates.

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Appendix 1: National Certificate Pass Rates

A1.1: ASE Pass Rates

Year	Assessment Name	Students Passed	Total Tested	Pass Rate
2024-25	ASE Automatic Transmission & Transaxle (AT)	140	231	60.61
2024-25	ASE Automobile Service Technology (AS)	117	169	69.23
2024-25	ASE Brakes (BR)	166	325	51.08
2024-25	ASE Diesel Engines (DE)	12	26	46.15
2024-25	ASE Electrical/Electronic Systems (EE)	212	285	74.39
2024-25	ASE Engine Performance (EP)	163	258	63.18
2024-25	ASE Engine Repair (ER)	183	275	66.55
2024-25	ASE Heating & Air Conditioning (AC)	193	264	73.11
2024-25	ASE Inspection, Maintenance & Minor Repair (IM)	9	25	36
2024-25	ASE Maintenance & Light Repair (MR)	335	547	61.24
2024-25	ASE Manual Drive Train & Axles (MD)	131	230	56.96
2024-25	ASE Mechanical & Electrical Components (ME)	19	34	55.88
2024-25	ASE Nonstructural Analysis & Damage Repair (NS)	55	121	45.45
2024-25	ASE Painting & Refinishing (PR)	45	139	32.37
2024-25	ASE Structural Analysis & Damage Repair (SR)	23	35	65.71
2024-25	ASE Suspension & Steering (SS)	190	333	57.06
2024-25	ASE Truck Brakes (TB)	5	24	20.83
2024-25	ASE Truck Electrical/Electronic Systems (TE)	9	24	37.5
2024-25	ASE Truck Suspension & Steering (TS)	6	25	24

Source: The Mississippi Department of Education

A1.2: NCCER Pass Rates

Assessment Name	Students Passed	Total Tested	Pass Rate
NCCER - Carpentry Level One: Fundamentals	435	750	58
NCCER - Core	2521	3039	82.95
NCCER - Electrical Level One	27	49	55.1
NCCER - HVAC Level One	49	68	72.06
NCCER - Industrial Maintenance Electrical & Instrumentation Technician Level One	79	79	100
NCCER - Instrumentation Level One	14	15	93.33
NCCER - Welding Level One	550	757	72.66

Source: The Mississippi Department of Education

A1.3 Other Certifications

Year	Assessment Name	Students Passed	Total Tested	Pass Rate
2024-25	Autodesk Certified User: AutoCAD 2025 (Next Generation)	75	93	80.65
2024-25	CIW JavaScript Specialist	5	9	55.56
2024-25	CLA-Foundational Knowledge	17	64	26.56
2024-25	CLT-Mid-level Technician	0	16	0
2024-25	Early Childhood Education	296	501	59.08
2024-25	Entrepreneurship and Small Business – U.S. v.2	568	750	75.73
2024-25	Federal Aviation Administration (FAA) Airman Knowledge Test	22	36	61.11
2024-25	Foundations of Restaurant Management and Culinary Arts Level 2	441	860	51.28
2024-25	Measurement, Materials, & Safety	95	136	69.85
2024-25	Python	2	6	33.33
2024-25	SOLIDWORKS CAD Design Associate (CSWA)	153	405	37.78
2024-25	TestOut IT Fundamentals Pro	193	270	71.48
2024-25	TestOut Network Pro	109	189	57.67

Source: The Mississippi Department of Education

Appendix 2: Data Provided by Mississippi State Longitudinal Data System

This study uses data from Mississippi's State Longitudinal Data System (SLDS), which combines administrative records from more than 25 state agencies. The analysis includes information provided by several key contributors:

Mississippi Department of Education (MDE) – MDE supplies data from Mississippi public schools. These records include student enrollment, school and grade information, courses taken, and graduation details.

Mississippi Department of Employment Security (MDES) – MDES provides employer wage records collected from Mississippi businesses that participate in the state's covered employment system. These records contain quarterly earnings as well as details about the employer, including the company, industry, and county location.

Mississippi Community Colleges – Mississippi's 15 community colleges, along with the Mississippi Community College Board (MCCB), contribute data on community college students and graduates. These records include enrollment information, county of residence, academic major, and graduation status.

Mississippi Public Universities – Mississippi's eight public universities and the Institutions of Higher Learning (IHL) provide data on graduates from four-year public institutions. These records include enrollment information, county of residence, academic major, and graduation outcomes.

Note: This analysis uses five years to present a comprehensive picture of students and student outcomes before, during, and after the academic interruptions caused by COVID-19.

Values reported for race and gender categories do not equal the reported total due to gender and/or race not being reported in all cases.

A2.1 - Community College CTE Data

Table A2.1.1: Community College CTE Student Enrollment; Number of Students Enrolled in an Associate of Applied Science or Career/Technical Certificate Program

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	20,855	19,852	19,315	18,805	19,357	19,637
Gender*						
Female	10,649	10,508	10,265	10,119	10,207	10,350
Male	10,092	9,262	9,030	8,661	9,073	9,224
Race*						
Black	8,750	8,037	8,249	8,190	8,579	8,361
White	10,359	10,214	9,562	9,060	9,056	9,650
Other	1,136	1,142	1,129	1,144	1,222	1,155
Race & Gender*						
Black, Female	4,976	4,639	4,779	4,939	5,028	4,872
Black, Male	3,749	3,373	3,465	3,241	3,532	3,472
White, Female	4,961	5,149	4,769	4,465	4,418	4,752
White, Male	5,341	5,029	4,784	4,585	4,616	4,871
Other, Female	563	586	576	576	588	578
Other, Male	564	552	553	567	619	571
Ecosystem of College						
Ecosystem 1	540	511	588	600	592	566
Ecosystem 2	2,387	2,534	2,894	2,745	2,824	2,677
Ecosystem 3	557	482	466	418	406	466
Ecosystem 4	3,506	3,162	3,224	3,323	3,391	3,321
Ecosystem 5	4,553	3,860	3,904	3,558	3,825	3,940
Ecosystem 6	3,002	3,148	2,716	2,728	2,891	2,897
Ecosystem 7	1,454	1,274	1,154	1,231	1,157	1,254
Ecosystem 8	4,856	4,881	4,369	4,202	4,271	4,516
WIOA Region of College						
Delta	1,097	993	1,054	1,018	998	1,032
MS Partnership	5,893	5,696	6,118	6,068	6,215	5,998
South Central	6,007	5,134	5,058	4,789	4,982	5,194
Twin Districts	7,858	8,029	7,085	6,930	7,162	7,413

Table A2.1.2: Community College CTE Graduates; Number of Students Graduating with an Associate of Applied Science Degree or a Career/Technical Certificate

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	8,077	7,996	7,283	7,545	7,840	7,748
Gender*						
Female	4,170	4,235	3,868	4,055	4,479	4,161
Male	3,654	3,553	3,178	3,289	3,274	3,390
Race*						
Black	2,886	2,880	2,642	2,980	3,140	2,906
White	4,204	4,285	3,914	3,808	4,007	4,044
Other	395	402	367	443	483	418
Race & Gender*						
Black, Female	1,677	1,685	1,517	1,803	1,973	1,731
Black, Male	1,207	1,192	1,120	1,175	1,165	1,172
White, Female	2,222	2,284	2,096	1,969	2,182	2,151
White, Male	1,963	1,989	1,816	1,833	1,818	1,884
Other, Female	203	211	208	236	276	227
Other, Male	190	190	159	207	207	191
Ecosystem of College						
Ecosystem 1	314	354	280	115	196	252
Ecosystem 2	913	999	837	1,154	1,215	1,024
Ecosystem 3	369	341	273	327	214	305
Ecosystem 4	858	877	1,011	1,259	1,427	1,086
Ecosystem 5	2,371	2,117	1,893	1,600	1,342	1,865
Ecosystem 6	1,133	1,074	948	1,117	1,206	1,096
Ecosystem 7	493	491	458	554	515	502
Ecosystem 8	1,626	1,743	1,583	1,419	1,725	1,619
WIOA Region of College						
Delta	683	695	553	442	410	557
MS Partnership	1,771	1,876	1,848	2,413	2,642	2,110
South Central	2,864	2,608	2,351	2,154	1,857	2,367
Twin Districts	2,759	2,817	2,531	2,536	2,931	2,715

Table A2.1.3: Enrollment in a Mississippi Public University; Number of Community College CTE Graduates Who Enrolled in a Mississippi Public University Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	450	467	436	427	493	455
Gender*						
Female	291	291	279	269	288	284
Male	157	175	155	158	204	170
Race*						
Black	212	207	185	205	237	209
White	207	225	227	177	218	211
Other	26	28	19	38	30	28
Race & Gender*						
Black, Female	157	153	135	149	164	152
Black, Male	55	54	49	56	73	57
White, Female	120	119	129	98	110	115
White, Male	87	105	98	79	108	95
Other, Female	14	17	13	19	10	15
Other, Male	12	11	<10	19	20	14
Ecosystem of College						
Ecosystem 1	15	21	10	12	20	16
Ecosystem 2	67	57	62	62	71	64
Ecosystem 3	27	26	23	21	19	23
Ecosystem 4	60	55	74	91	113	79
Ecosystem 5	108	105	97	86	79	95
Ecosystem 6	74	72	54	71	65	67
Ecosystem 7	23	18	23	17	29	22
Ecosystem 8	76	113	93	67	97	89
WIOA Region of College						
Delta	42	47	33	33	39	39
MS Partnership	127	112	136	153	184	142
South Central	131	123	120	103	108	117
Twin Districts	150	185	147	138	162	156

Table A2.1.4: Community College CTE Program-to-University Alignment; Number of Enrolled Community College CTE Graduates with Aligned Major

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	269	273	240	216	250	250
Gender*						
Female	197	197	177	161	178	182
Male	71	76	62	55	72	67
Race*						
Black	115	121	102	97	119	111
White	136	134	124	99	118	122
Other	16	14	14	16	10	14
Race & Gender*						
Black, Female	94	91	82	76	94	87
Black, Male	21	30	19	21	25	23
White, Female	92	93	84	71	76	83
White, Male	44	41	40	28	42	39
Other, Female	11	12	11	11	<10	10
Other, Male	<10	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	50	34	40	24	29	35
Ecosystem 3	19	19	18	17	10	17
Ecosystem 4	39	32	42	46	57	43
Ecosystem 5	50	59	37	40	40	45
Ecosystem 6	51	37	34	38	38	40
Ecosystem 7	14	14	13	<10	17	13
Ecosystem 8	42	69	52	37	53	51
WIOA Region of College						
Delta	23	28	22	23	16	22
MS Partnership	89	66	82	70	86	79
South Central	64	73	50	48	57	58
Twin Districts	93	106	86	75	91	90

Table A2.1.5: Employment of Community College CTE Graduates; Number of Community College CTE Graduates Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	4,975	4,942	4,612	4,865	5,081	4,895
Gender*						
Female	2,565	2,595	2,462	2,636	2,976	2,647
Male	2,293	2,228	2,021	2,121	2,075	2,148
Race*						
Black	1,695	1,690	1,640	1,890	2,036	1,790
White	2,723	2,762	2,564	2,558	2,641	2,650
Other	215	220	211	249	301	239
Race & Gender*						
Black, Female	951	948	921	1,150	1,282	1,050
Black, Male	743	740	716	738	753	738
White, Female	1,455	1,495	1,401	1,334	1,485	1,434
White, Male	1,255	1,261	1,162	1,221	1,152	1,210
Other, Female	119	118	116	128	184	133
Other, Male	96	102	95	121	117	106
Ecosystem of College						
Ecosystem 1	165	187	161	80	107	140
Ecosystem 2	576	630	539	718	725	638
Ecosystem 3	217	194	162	168	124	173
Ecosystem 4	491	525	597	844	951	682
Ecosystem 5	1,494	1,332	1,242	1,012	918	1,200
Ecosystem 6	718	727	630	759	842	735
Ecosystem 7	333	324	305	394	340	339
Ecosystem 8	981	1,023	976	890	1,074	989
WIOA Region of College						
Delta	382	381	323	248	231	313
MS Partnership	1,067	1,155	1,136	1,562	1,676	1,319
South Central	1,827	1,656	1,547	1,406	1,258	1,539
Twin Districts	1,699	1,750	1,606	1,649	1,916	1,724
Industry						
Accommodation/Leisure	383	329	292	335	331	334
Administrative and Waste Services	309	300	294	315	321	308
Construction	257	293	277	320	300	289
Educational Services	87	109	81	129	119	105
Financial Activities	55	70	84	83	66	72
Health Care and Social Assistance	1,831	1,863	1,766	1,832	2,140	1,886
Information	24	13	13	22	22	19

Management of Companies and Enterprises	15	13	22	17	36	21
Manufacturing	466	496	483	459	462	473
Natural Resources	33	33	28	23	28	29
Other Services (except Public Administration)	106	100	106	124	108	109
Professional, Scientific, and Technical Services	120	119	103	118	133	119
Public Administration	85	68	77	105	104	88
Transportation and Warehousing	476	384	377	319	213	354
Utilities	17	24	37	39	41	32
Wholesale/Retail Trade	701	719	568	623	653	653
Industry Not Reported	10	<10	<10	<10	<10	<10

Table A2.1.6: Median Annual Earnings; Earnings of Community College CTE Graduates Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	\$31,181	\$33,291	\$36,988	\$39,867	\$41,389	\$36,249
Gender*						
Female	\$31,028	\$31,780	\$34,920	\$39,439	\$41,338	\$35,605
Male	\$31,117	\$34,711	\$38,552	\$40,001	\$41,471	\$36,921
Race*						
Black	\$26,865	\$29,916	\$32,791	\$36,392	\$37,169	\$32,748
White	\$33,917	\$35,141	\$39,406	\$42,015	\$44,103	\$38,711
Other	\$30,640	\$31,124	\$34,815	\$35,446	\$42,206	\$34,610
Race & Gender*						
Black, Female	\$26,878	\$29,126	\$31,270	\$36,959	\$39,247	\$33,059
Black, Male	\$26,478	\$31,550	\$34,481	\$35,712	\$34,262	\$32,302
White, Female	\$34,273	\$33,777	\$36,827	\$41,432	\$42,382	\$37,635
White, Male	\$33,845	\$36,826	\$41,261	\$43,070	\$45,181	\$39,798
Other, Female	\$31,142	\$29,851	\$36,401	\$30,698	\$42,969	\$34,110
Other, Male	\$28,893	\$33,053	\$33,515	\$40,685	\$41,854	\$35,774
Ecosystem of College						
Ecosystem 1	\$31,509	\$30,147	\$34,266	\$36,703	\$38,979	\$33,115
Ecosystem 2	\$33,498	\$34,619	\$37,720	\$36,951	\$36,712	\$36,005
Ecosystem 3	\$34,321	\$35,575	\$40,005	\$38,015	\$41,816	\$36,616
Ecosystem 4	\$32,468	\$34,352	\$37,244	\$41,670	\$45,749	\$39,129
Ecosystem 5	\$30,951	\$33,322	\$37,654	\$40,331	\$44,169	\$36,038
Ecosystem 6	\$30,479	\$33,287	\$35,754	\$39,520	\$40,024	\$35,572
Ecosystem 7	\$30,268	\$31,609	\$36,400	\$40,467	\$41,444	\$36,378
Ecosystem 8	\$29,248	\$32,094	\$36,315	\$39,964	\$40,098	\$35,357
WIOA Region of College						
Delta	\$32,499	\$33,349	\$36,106	\$37,703	\$40,430	\$35,190
MS Partnership	\$32,805	\$34,445	\$37,500	\$39,538	\$41,624	\$37,430
South Central	\$30,879	\$33,122	\$37,501	\$40,334	\$42,890	\$36,081
Twin Districts	\$29,743	\$32,547	\$36,000	\$39,788	\$40,048	\$35,409
Industry						
Accommodation/Leisure	\$13,854	\$16,245	\$18,284	\$17,088	\$16,558	\$15,949
Administrative and Waste Services	\$20,670	\$28,507	\$27,560	\$35,329	\$46,924	\$30,984
Construction	\$29,699	\$32,675	\$37,996	\$39,326	\$39,463	\$35,879
Educational Services	\$26,790	\$27,040	\$28,826	\$31,196	\$28,740	\$28,910
Financial Activities	\$27,843	\$34,836	\$31,359	\$40,120	\$36,074	\$34,560
Health Care and Social Assistance	\$40,250	\$39,720	\$42,600	\$48,489	\$49,639	\$44,256

Information	\$29,838	\$32,255	\$44,441	\$37,065	\$28,776	\$33,563
Management of Companies and Enterprises	\$32,671	\$39,048	\$36,856	\$44,562	\$41,635	\$40,022
Manufacturing	\$35,175	\$41,807	\$42,692	\$46,047	\$47,312	\$42,466
Natural Resources	\$34,443	\$29,680	\$48,084	\$40,874	\$32,835	\$35,078
Other Services (except Public Administration)	\$22,174	\$23,731	\$29,692	\$29,299	\$32,451	\$27,090
Professional, Scientific, and Technical Services	\$28,308	\$32,567	\$35,090	\$33,308	\$37,141	\$33,137
Public Administration	\$35,474	\$29,934	\$35,979	\$39,876	\$41,619	\$37,192
Transportation and Warehousing	\$31,279	\$32,678	\$42,934	\$41,168	\$41,986	\$35,899
Utilities	\$41,447	\$45,714	\$47,730	\$51,978	\$52,644	\$49,522
Wholesale/Retail Trade	\$21,206	\$25,885	\$24,400	\$27,231	\$27,286	\$25,301
Industry Not Reported	\$22,221	-	-	-	-	-

Table A2.1.7: Community College CTE Program-to-Workforce Alignment; Number of Community College CTE Graduates Employed in an Aligned Industry

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	1,684	1,727	1,620	1,720	1,904	1,731
Gender*						
Female	1,099	1,141	1,091	1,128	1,278	1,147
Male	581	579	524	585	620	578
Race*						
Black	600	596	552	699	773	644
White	990	1,015	976	903	1,001	977
Other	83	87	74	89	103	87
Race & Gender*						
Black, Female	435	425	395	522	581	472
Black, Male	165	171	156	177	191	172
White, Female	599	650	641	548	624	612
White, Male	389	363	335	355	377	364
Other, Female	60	53	45	48	64	54
Other, Male	23	34	29	41	39	33
Ecosystem of College						
Ecosystem 1	77	84	68	28	36	59
Ecosystem 2	279	280	249	295	340	289
Ecosystem 3	88	64	58	64	44	64
Ecosystem 4	232	223	251	329	391	285
Ecosystem 5	348	320	324	257	240	298
Ecosystem 6	242	273	228	277	297	263
Ecosystem 7	118	106	106	150	135	123
Ecosystem 8	300	377	336	320	421	351
WIOA Region of College						
Delta	165	148	126	92	80	122
MS Partnership	511	503	500	624	731	574
South Central	466	426	430	407	375	421
Twin Districts	542	650	564	597	718	614

Table A2.1.8: Receipt of Public Assistance; Number of Community College CTE Graduates Who Receive SNAP, TANF, or UI Benefits Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	1,583	806	554	602	644	838
Gender*						
Female	993	559	404	450	487	579
Male	568	232	137	146	156	248
Race*						
Black	882	540	380	446	472	544
White	547	204	137	130	126	229
Other	71	19	21	12	31	31
Race & Gender*						
Black, Female	569	388	285	349	361	390
Black, Male	313	151	93	97	111	153
White, Female	367	153	100	88	95	161
White, Male	179	49	37	42	31	68
Other, Female	38	10	17	<10	23	19
Other, Male	33	<10	<10	<10	<10	11
Ecosystem of College						
Ecosystem 1	69	44	28	35	36	42
Ecosystem 2	144	75	39	69	79	81
Ecosystem 3	71	22	15	40	26	35
Ecosystem 4	151	78	60	86	112	97
Ecosystem 5	525	276	182	155	119	251
Ecosystem 6	242	106	90	94	96	126
Ecosystem 7	79	59	45	41	53	55
Ecosystem 8	302	146	95	82	123	150
WIOA Region of College						
Delta	140	66	43	75	62	77
MS Partnership	295	153	99	155	191	179
South Central	604	335	227	196	172	307
Twin Districts	544	252	185	176	219	275
Public Assistance						
SNAP	656	559	481	545	579	564
TANF	11	<10	<10	<10	<10	<10
UI	1,186	376	98	85	98	369

Table A2.1.9: Community College CTE Student Enrollment; Number of Students Enrolled in Associate of Applied Science Programs

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	15,513	14,992	14,377	14,122	14,101	14,621
Gender*						
Female	7,665	7,682	7,323	7,064	6,947	7,336
Male	7,776	7,264	7,040	7,041	7,117	7,248
Race*						
Black	6,157	5,693	5,616	5,588	5,702	5,751
White	8,217	8,104	7,601	7,345	7,176	7,689
Other	889	903	889	898	949	906
Race & Gender*						
Black, Female	3,507	3,261	3,189	3,162	3,103	3,244
Black, Male	2,633	2,420	2,423	2,419	2,586	2,496
White, Female	3,642	3,862	3,583	3,369	3,276	3,546
White, Male	4,539	4,224	4,014	3,970	3,890	4,127
Other, Female	427	457	444	436	464	446
Other, Male	455	444	445	461	482	457
Ecosystem of College						
Ecosystem 1	465	435	523	509	496	486
Ecosystem 2	1,731	1,806	2,181	2,012	2,112	1,968
Ecosystem 3	322	269	229	205	195	244
Ecosystem 4	2,746	2,538	2,545	2,653	2,612	2,619
Ecosystem 5	3,267	3,000	2,980	2,807	2,746	2,960
Ecosystem 6	2,039	2,231	1,804	1,917	1,981	1,994
Ecosystem 7	1,067	904	759	829	765	865
Ecosystem 8	3,876	3,809	3,356	3,190	3,194	3,485
WIOA Region of College						
Delta	787	704	752	714	691	730
MS Partnership	4,477	4,344	4,726	4,665	4,724	4,587
South Central	4,334	3,904	3,739	3,636	3,511	3,825
Twin Districts	5,915	6,040	5,160	5,107	5,175	5,479

Table A2.1.10: Community College CTE Student Enrollment; Number of Students Enrolled in Career/Technical Certificate Programs

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	5,342	4,860	4,938	4,683	5,256	5,016
Gender*						
Female	2,984	2,826	2,942	3,055	3,260	3,013
Male	2,316	1,998	1,990	1,620	1,956	1,976
Race*						
Black	2,593	2,344	2,633	2,602	2,877	2,610
White	2,142	2,110	1,961	1,715	1,880	1,962
Other	247	239	240	246	273	249
Race & Gender*						
Black, Female	1,469	1,378	1,590	1,777	1,925	1,628
Black, Male	1,116	953	1,042	822	946	976
White, Female	1,319	1,287	1,186	1,096	1,142	1,206
White, Male	802	805	770	615	726	744
Other, Female	136	129	132	140	124	132
Other, Male	109	108	108	106	137	114
Ecosystem of College						
Ecosystem 1	75	76	65	91	96	81
Ecosystem 2	656	728	713	733	712	708
Ecosystem 3	235	213	237	213	211	222
Ecosystem 4	760	624	679	670	779	702
Ecosystem 5	1,286	860	924	751	1,079	980
Ecosystem 6	963	917	912	811	910	903
Ecosystem 7	387	370	395	402	392	389
Ecosystem 8	980	1,072	1,013	1,012	1,077	1,031
WIOA Region of College						
Delta	310	289	302	304	307	302
MS Partnership	1,416	1,352	1,392	1,403	1,491	1,411
South Central	1,673	1,230	1,319	1,153	1,471	1,369
Twin Districts	1,943	1,989	1,925	1,823	1,987	1,933

Table A2.1.11: Community College CTE Graduates; Number of Students Graduating with an Associate of Applied Science Degree

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	4,380	4,263	3,890	4,053	4,361	4,189
Gender*						
Female	2,623	2,599	2,374	2,443	2,769	2,562
Male	1,734	1,650	1,502	1,595	1,577	1,612
Race*						
Black	1,277	1,233	1,111	1,285	1,379	1,257
White	2,807	2,728	2,476	2,435	2,593	2,608
Other	241	239	229	254	303	253
Race & Gender*						
Black, Female	886	887	782	912	1,016	897
Black, Male	389	345	328	372	363	359
White, Female	1,581	1,551	1,426	1,355	1,533	1,489
White, Male	1,215	1,169	1,050	1,079	1,058	1,114
Other, Female	131	133	139	145	191	148
Other, Male	109	106	90	109	112	105
Ecosystem of College						
Ecosystem 1	133	124	128	76	91	110
Ecosystem 2	588	615	516	548	568	567
Ecosystem 3	181	177	147	145	101	150
Ecosystem 4	443	484	540	766	821	611
Ecosystem 5	842	817	734	665	682	748
Ecosystem 6	574	554	411	510	537	517
Ecosystem 7	324	338	286	310	318	315
Ecosystem 8	1,295	1,154	1,128	1,033	1,243	1,171
WIOA Region of College						
Delta	314	301	275	221	192	261
MS Partnership	1,031	1,099	1,056	1,314	1,389	1,178
South Central	1,166	1,155	1,020	975	1,000	1,063
Twin Districts	1,869	1,708	1,539	1,543	1,780	1,688

Table A2.1.12: Community College CTE Graduates; Number of Students Graduating with a Career/Technical Certificate

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	3,697	3,733	3,393	3,492	3,479	3,559
Gender*						
Female	1,547	1,636	1,494	1,612	1,710	1,600
Male	1,920	1,903	1,676	1,694	1,697	1,778
Race*						
Black	1,609	1,647	1,531	1,695	1,761	1,649
White	1,397	1,557	1,438	1,373	1,414	1,436
Other	154	163	138	189	180	165
Race & Gender*						
Black, Female	791	798	735	891	957	834
Black, Male	818	847	792	803	802	812
White, Female	641	733	670	614	649	661
White, Male	748	820	766	754	760	770
Other, Female	72	78	69	91	85	79
Other, Male	81	84	69	98	95	85
Ecosystem of College						
Ecosystem 1	181	230	152	39	105	141
Ecosystem 2	325	384	321	606	647	457
Ecosystem 3	188	164	126	182	113	155
Ecosystem 4	415	393	471	493	606	476
Ecosystem 5	1,529	1,300	1,159	935	660	1,117
Ecosystem 6	559	520	537	607	669	578
Ecosystem 7	169	153	172	244	197	187
Ecosystem 8	331	589	455	386	482	449
WIOA Region of College						
Delta	369	394	278	221	218	296
MS Partnership	740	777	792	1,099	1,253	932
South Central	1,698	1,453	1,331	1,179	857	1,304
Twin Districts	890	1,109	992	993	1,151	1,027

Table A2.1.13: Enrollment in a Mississippi Public University; Number of Community College CTE Graduates from Associate of Applied Science Programs Who Enrolled in a Mississippi Public University Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	401	412	388	359	436	399
Gender*						
Female	264	270	248	232	255	254
Male	135	141	140	127	180	145
Race*						
Black	183	174	157	160	197	174
White	191	205	211	162	206	195
Other	23	27	17	32	25	25
Race & Gender*						
Black, Female	140	135	116	122	137	130
Black, Male	43	39	41	38	60	44
White, Female	112	116	119	92	104	109
White, Male	79	88	92	70	102	86
Other, Female	12	17	11	16	10	13
Other, Male	11	10	<10	16	15	12
Ecosystem of College						
Ecosystem 1	12	14	<10	10	16	12
Ecosystem 2	60	55	59	49	61	57
Ecosystem 3	26	21	20	18	15	20
Ecosystem 4	52	47	67	74	104	69
Ecosystem 5	88	88	79	69	66	78
Ecosystem 6	70	65	46	64	60	61
Ecosystem 7	22	17	21	13	25	20
Ecosystem 8	71	105	88	62	89	83
WIOA Region of College						
Delta	38	35	28	28	31	32
MS Partnership	112	102	126	123	165	126
South Central	110	105	100	82	91	98
Twin Districts	141	170	134	126	149	144

Table A2.1.14: Enrollment in a Mississippi Public University; Number of Community College CTE Graduates from Career/Technical Certificate Programs Who Enrolled in a Mississippi Public University Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	49	55	48	68	57	55
Gender*						
Female	27	21	31	37	33	30
Male	22	34	15	31	24	25
Race*						
Black	29	33	28	45	40	35
White	16	20	16	15	12	16
Other	<10	<10	<10	<10	<10	<10
Race & Gender*						
Black, Female	17	18	19	27	27	22
Black, Male	12	15	<10	18	13	13
White, Female	<10	<10	10	<10	<10	<10
White, Male	<10	17	<10	<10	<10	<10
Other, Female	<10	<10	<10	<10	<10	<10
Other, Male	<10	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	<10	<10	<10	13	10	<10
Ecosystem 3	<10	<10	<10	<10	<10	<10
Ecosystem 4	<10	<10	<10	17	<10	10
Ecosystem 5	20	17	18	17	13	17
Ecosystem 6	<10	<10	<10	<10	<10	<10
Ecosystem 7	<10	<10	<10	<10	<10	<10
Ecosystem 8	<10	<10	<10	<10	<10	<10
WIOA Region of College						
Delta	<10	12	<10	<10	<10	<10
MS Partnership	15	10	10	30	19	17
South Central	21	18	20	21	17	19
Twin Districts	<10	15	13	12	13	12

Table A2.1.15: Community College CTE Program-to-University Alignment; Number of Enrolled Community College CTE Graduates from Associate of Applied Science Programs with Aligned Major

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	253	252	218	191	234	230
Gender*						
Female	187	188	161	141	165	168
Male	65	64	57	50	69	61
Race*						
Black	107	107	90	83	106	99
White	130	127	116	91	116	116
Other	14	14	12	14	<10	13
Race & Gender*						
Black, Female	89	82	74	64	83	78
Black, Male	18	25	16	19	23	20
White, Female	88	93	78	66	74	80
White, Male	42	34	38	25	42	36
Other, Female	10	12	<10	<10	<10	<10
Other, Male	<10	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	47	33	38	19	27	33
Ecosystem 3	19	16	17	16	<10	15
Ecosystem 4	34	29	38	38	53	38
Ecosystem 5	47	50	30	34	36	39
Ecosystem 6	48	35	31	36	37	37
Ecosystem 7	13	14	12	<10	17	12
Ecosystem 8	41	66	48	36	49	48
WIOA Region of College						
Delta	23	25	21	22	15	21
MS Partnership	81	62	76	57	80	71
South Central	60	64	42	40	53	52
Twin Districts	89	101	79	72	86	85

Table A2.1.16: Community College CTE Program-to-University Alignment; Number of Enrolled Community College CTE Graduates from Career/Technical Certificate Programs with Aligned Major

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	16	21	22	25	16	20
Gender*						
Female	10	<10	16	20	13	14
Male	<10	12	<10	<10	<10	<10
Race*						
Black	<10	14	12	14	13	12
White	<10	<10	<10	<10	<10	<10
Other	<10	<10	<10	<10	<10	<10
Race & Gender*						
Black, Female	<10	<10	<10	12	11	<10
Black, Male	<10	<10	<10	<10	<10	<10
White, Female	<10	<10	<10	<10	<10	<10
White, Male	<10	<10	<10	<10	<10	<10
Other, Female	<10	<10	<10	<10	<10	<10
Other, Male	<10	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	<10	<10	<10	<10	<10	<10
Ecosystem 3	<10	<10	<10	<10	<10	<10
Ecosystem 4	<10	<10	<10	<10	<10	<10
Ecosystem 5	<10	<10	<10	<10	<10	<10
Ecosystem 6	<10	<10	<10	<10	<10	<10
Ecosystem 7	<10	<10	<10	<10	<10	<10
Ecosystem 8	<10	<10	<10	<10	<10	<10
WIOA Region of College						
Delta	<10	<10	<10	<10	<10	<10
MS Partnership	<10	<10	<10	13	<10	<10
South Central	<10	<10	<10	<10	<10	<10
Twin Districts	<10	<10	<10	<10	<10	<10

Table A2.1.17: Employment of Community College CTE Graduates; Number of Community College CTE Graduates from Associate of Applied Science Programs Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	2,835	2,784	2,552	2,761	2,927	2,772
Gender*						
Female	1,684	1,671	1,552	1,660	1,894	1,692
Male	1,140	1,106	994	1,090	1,025	1,071
Race*						
Black	738	744	664	819	891	771
White	1,925	1,858	1,711	1,732	1,779	1,801
Other	144	145	140	166	206	160
Race & Gender*						
Black, Female	510	511	465	582	667	547
Black, Male	227	233	198	236	224	224
White, Female	1,079	1,064	993	969	1,074	1,036
White, Male	838	791	718	762	705	763
Other, Female	81	80	81	91	136	94
Other, Male	63	65	59	75	70	66
Ecosystem of College						
Ecosystem 1	83	76	78	52	51	68
Ecosystem 2	402	416	354	367	361	380
Ecosystem 3	118	109	86	79	74	93
Ecosystem 4	281	333	356	559	576	421
Ecosystem 5	551	551	508	444	491	509
Ecosystem 6	399	388	276	358	393	363
Ecosystem 7	220	211	176	223	194	205
Ecosystem 8	781	700	718	679	787	733
WIOA Region of College						
Delta	201	185	164	131	125	161
MS Partnership	683	749	710	926	937	801
South Central	771	762	684	667	685	714
Twin Districts	1,180	1,088	994	1,037	1,180	1,096
Industry						
Accommodation/Leisure	242	197	184	185	183	198
Administrative and Waste Services	143	163	166	177	197	169
Construction	150	118	111	147	133	132
Educational Services	67	83	67	102	93	82
Financial Activities	35	42	51	52	45	45
Health Care and Social Assistance	1,265	1,237	1,146	1,215	1,400	1,253

Information	18	12	11	12	14	13
Management of Companies and Enterprises	13	<10	17	13	25	15
Manufacturing	246	290	267	251	230	257
Natural Resources	14	12	10	10	15	12
Other Services (except Public Administration)	52	44	38	59	40	47
Professional, Scientific, and Technical Services	104	102	86	102	110	101
Public Administration	58	42	56	58	63	55
Transportation and Warehousing	44	56	49	46	33	46
Utilities	12	10	11	14	15	12
Wholesale/Retail Trade	368	346	280	317	329	332
Industry not reported	<10	<10	<10	<10	<10	<10

Table A2.1.18: Employment of Community College CTE Graduates; Number of Community College CTE Graduates from Career/Technical Certificate Programs Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	2,140	2,158	2,060	2,104	2,154	2,123
Gender*						
Female	881	924	910	976	1,082	955
Male	1,153	1,122	1,027	1,031	1,050	1,077
Race*						
Black	957	946	976	1,071	1,145	1,019
White	798	904	853	826	862	849
Other	71	75	71	83	95	79
Race & Gender*						
Black, Female	441	437	456	568	615	503
Black, Male	516	507	518	502	529	514
White, Female	376	431	408	365	411	398
White, Male	417	470	444	459	447	447
Other, Female	38	38	35	37	48	39
Other, Male	33	37	36	46	47	40
Ecosystem of College						
Ecosystem 1	82	111	83	28	56	72
Ecosystem 2	174	214	185	351	364	258
Ecosystem 3	99	85	76	89	50	80
Ecosystem 4	210	192	241	285	375	261
Ecosystem 5	943	781	734	568	427	691
Ecosystem 6	319	339	354	401	449	372
Ecosystem 7	113	113	129	171	146	134
Ecosystem 8	200	323	258	211	287	256
WIOA Region of College						
Delta	181	196	159	117	106	152
MS Partnership	384	406	426	636	739	518
South Central	1,056	894	863	739	573	825
Twin Districts	519	662	612	612	736	628
Industry						
Accommodation/Leisure	141	132	108	150	148	136
Administrative and Waste Services	166	137	128	138	124	139
Construction	107	175	166	173	167	158
Educational Services	20	26	14	27	26	23
Financial Activities	20	28	33	31	21	27
Health Care and Social Assistance	566	626	620	617	740	634

Information	<10	<10	<10	10	<10	<10
Management of Companies and Enterprises	<10	<10	<10	<10	11	<10
Manufacturing	220	206	216	208	232	216
Natural Resources	19	21	18	13	13	17
Other Services (except Public Administration)	54	56	68	65	68	62
Professional, Scientific, and Technical Services	16	17	17	16	23	18
Public Administration	27	26	21	47	41	32
Transportation and Warehousing	432	328	328	273	180	308
Utilities	<10	14	26	25	26	19
Wholesale/Retail Trade	333	355	288	306	324	321
Industry not reported	<10	<10	<10	<10	<10	<10

Table A2.1.19: Median Annual Earnings; Earnings of Community College CTE Graduates from Associate of Applied Science Programs Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	\$34,465	\$37,675	\$40,226	\$43,308	\$45,431	\$39,987
Gender*						
Female	\$34,505	\$36,510	\$38,630	\$43,605	\$45,889	\$39,938
Male	\$34,465	\$38,898	\$42,373	\$42,874	\$44,594	\$40,068
Race*						
Black	\$28,424	\$34,497	\$35,224	\$39,941	\$39,780	\$35,781
White	\$36,900	\$39,128	\$41,757	\$46,094	\$47,613	\$41,862
Other	\$32,895	\$32,024	\$38,576	\$39,756	\$43,940	\$36,883
Race & Gender*						
Black, Female	\$27,613	\$33,186	\$33,745	\$41,389	\$42,457	\$35,654
Black, Male	\$29,181	\$37,954	\$37,439	\$36,862	\$36,787	\$35,941
White, Female	\$37,858	\$39,185	\$40,529	\$47,254	\$46,843	\$42,000
White, Male	\$35,457	\$39,126	\$43,912	\$44,789	\$48,071	\$41,834
Other, Female	\$31,490	\$30,226	\$39,568	\$34,201	\$46,643	\$38,324
Other, Male	\$34,364	\$35,718	\$37,151	\$40,685	\$38,260	\$36,126
Ecosystem of College						
Ecosystem 1	\$31,914	\$42,073	\$36,134	\$35,671	\$40,768	\$36,368
Ecosystem 2	\$36,322	\$38,924	\$40,147	\$41,156	\$37,774	\$38,898
Ecosystem 3	\$40,281	\$42,173	\$50,856	\$53,248	\$46,846	\$44,572
Ecosystem 4	\$35,843	\$35,557	\$42,483	\$47,722	\$52,185	\$44,253
Ecosystem 5	\$36,554	\$38,394	\$41,473	\$43,020	\$51,940	\$41,003
Ecosystem 6	\$33,717	\$39,108	\$41,297	\$42,687	\$44,983	\$40,483
Ecosystem 7	\$33,633	\$37,888	\$41,845	\$44,183	\$42,837	\$39,618
Ecosystem 8	\$32,231	\$34,306	\$37,281	\$41,975	\$43,399	\$37,578
WIOA Region of College						
Delta	\$36,400	\$42,136	\$43,385	\$48,395	\$45,789	\$41,252
MS Partnership	\$35,992	\$37,850	\$41,144	\$44,220	\$45,666	\$41,255
South Central	\$35,550	\$38,358	\$41,683	\$43,165	\$48,095	\$40,381
Twin Districts	\$32,636	\$35,557	\$38,760	\$42,189	\$43,723	\$38,622
Industry						
Accommodation/Leisure	\$14,528	\$18,022	\$20,131	\$17,704	\$18,989	\$17,480
Administrative and Waste Services	\$26,815	\$31,806	\$30,528	\$43,549	\$60,339	\$37,742
Construction	\$30,568	\$34,851	\$38,136	\$40,576	\$36,868	\$36,262
Educational Services	\$26,790	\$26,195	\$28,826	\$31,825	\$27,662	\$28,757
Financial Activities	\$31,302	\$34,167	\$32,063	\$40,557	\$35,294	\$34,560
Health Care and Social Assistance	\$46,527	\$48,092	\$48,648	\$53,963	\$54,784	\$50,632

Information	\$30,211	\$34,686	\$43,425	\$36,303	\$26,352	\$32,522
Management of Companies and Enterprises	\$32,671	---	\$35,939	\$42,936	\$41,635	\$39,662
Manufacturing	\$38,666	\$44,710	\$49,218	\$50,432	\$51,341	\$47,172
Natural Resources	\$34,353	\$28,291	\$60,765	\$65,159	\$34,240	\$35,000
Other Services (except Public Administration)	\$26,905	\$32,110	\$31,200	\$31,179	\$39,346	\$31,200
Professional, Scientific, and Technical Services	\$29,736	\$32,383	\$35,090	\$36,400	\$37,141	\$33,720
Public Administration	\$36,500	\$28,512	\$37,296	\$41,990	\$41,510	\$37,953
Transportation and Warehousing	\$30,024	\$34,703	\$41,162	\$40,151	\$43,282	\$37,721
Utilities	\$31,206	\$42,413	\$54,021	\$47,987	\$52,602	\$46,597
Wholesale/Retail Trade	\$20,878	\$26,966	\$23,235	\$30,460	\$27,953	\$25,957
Industry not reported	---	---	---	---	---	---

Table A2.1.20: Median Annual Earnings; Earnings of Community College CTE Graduates from Career/Technical Certificate Programs Employed Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	\$27,529	\$28,493	\$33,819	\$35,553	\$37,246	\$32,260
Gender*						
Female	\$26,405	\$26,199	\$31,611	\$32,640	\$35,991	\$30,605
Male	\$27,878	\$31,168	\$35,949	\$37,933	\$38,566	\$33,888
Race*						
Black	\$25,295	\$26,024	\$31,459	\$33,923	\$35,631	\$30,585
White	\$27,914	\$30,018	\$35,603	\$36,557	\$38,603	\$33,527
Other	\$28,080	\$29,568	\$30,625	\$34,221	\$38,768	\$32,421
Race & Gender*						
Black, Female	\$25,156	\$24,593	\$29,528	\$33,119	\$37,259	\$30,617
Black, Male	\$25,634	\$27,961	\$33,117	\$35,325	\$32,729	\$30,566
White, Female	\$26,579	\$27,284	\$32,367	\$32,615	\$33,984	\$30,741
White, Male	\$29,699	\$33,981	\$38,524	\$40,014	\$42,624	\$37,081
Other, Female	\$30,862	\$29,342	\$30,164	\$27,560	\$36,420	\$30,008
Other, Male	\$23,671	\$29,815	\$31,089	\$41,055	\$46,894	\$35,087
Ecosystem of College						
Ecosystem 1	\$31,509	\$26,770	\$31,224	\$39,667	\$26,926	\$28,678
Ecosystem 2	\$27,864	\$29,025	\$33,293	\$31,759	\$35,627	\$31,921
Ecosystem 3	\$25,851	\$29,031	\$31,056	\$29,838	\$38,450	\$28,874
Ecosystem 4	\$27,927	\$31,453	\$34,298	\$35,116	\$39,901	\$34,434
Ecosystem 5	\$29,045	\$29,905	\$35,979	\$37,790	\$38,353	\$33,138
Ecosystem 6	\$26,680	\$27,338	\$32,279	\$36,349	\$37,384	\$32,177
Ecosystem 7	\$25,723	\$22,451	\$32,074	\$38,522	\$35,600	\$31,375
Ecosystem 8	\$22,971	\$28,658	\$33,396	\$33,817	\$33,739	\$30,258
WIOA Region of College						
Delta	\$26,112	\$28,210	\$31,224	\$32,114	\$34,291	\$28,760
MS Partnership	\$27,896	\$29,670	\$33,926	\$33,352	\$37,964	\$33,181
South Central	\$28,860	\$28,519	\$35,333	\$37,913	\$37,965	\$32,838
Twin Districts	\$25,267	\$27,956	\$32,715	\$35,554	\$35,918	\$31,323
Industry						
Accommodation/Leisure	\$11,564	\$14,585	\$14,585	\$15,613	\$13,271	\$13,831
Administrative and Waste Services	\$17,087	\$23,332	\$24,685	\$29,684	\$32,666	\$24,797
Construction	\$28,204	\$29,710	\$37,996	\$37,476	\$40,445	\$35,333
Educational Services	\$25,086	\$31,785	\$29,331	\$30,489	\$29,539	\$29,583
Financial Activities	\$25,267	\$34,879	\$28,760	\$39,830	\$39,866	\$34,543

Health Care and Social Assistance	\$33,134	\$30,594	\$35,354	\$39,970	\$41,701	\$35,925
Information	---	---	---	\$50,044	---	---
Management of Companies and Enterprises	---	---	---	---	\$44,527	---
Manufacturing	\$30,987	\$36,627	\$35,949	\$41,669	\$42,639	\$37,562
Natural Resources	\$36,262	\$30,757	\$46,008	\$34,739	\$26,004	\$35,156
Other Services (except Public Administration)	\$18,833	\$21,883	\$28,423	\$22,460	\$28,069	\$24,600
Professional, Scientific, and Technical Services	\$24,576	\$33,900	\$34,410	\$25,092	\$36,843	\$30,092
Public Administration	\$31,821	\$31,646	\$35,019	\$39,681	\$42,000	\$36,696
Transportation and Warehousing	\$31,294	\$32,267	\$43,095	\$41,274	\$41,585	\$35,673
Utilities	---	\$48,327	\$46,727	\$56,472	\$52,644	\$51,137
Wholesale/Retail Trade	\$21,644	\$24,683	\$24,538	\$25,196	\$26,958	\$24,614
Industry not reported	---	---	---	---	---	---

Table A2.1.21: Community College CTE Program-to-Workforce Alignment; Number of Community College CTE Graduates from Associate of Applied Science Programs Employed in an Aligned Industry

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	939	928	888	951	957	933
Gender*						
Female	569	579	578	577	596	580
Male	368	344	306	369	358	349
Race*						
Black	266	263	238	273	270	262
White	621	597	595	598	603	603
Other	47	52	45	58	67	54
Race & Gender*						
Black, Female	187	180	172	205	195	188
Black, Male	79	83	65	68	75	74
White, Female	346	360	372	332	355	353
White, Male	274	236	223	266	248	249
Other, Female	34	32	28	31	40	33
Other, Male	13	20	17	27	27	21
Ecosystem of College						
Ecosystem 1	36	34	29	18	14	26
Ecosystem 2	170	159	163	150	164	161
Ecosystem 3	32	32	20	28	20	26
Ecosystem 4	125	134	148	214	208	166
Ecosystem 5	196	166	177	130	126	159
Ecosystem 6	101	118	81	109	105	103
Ecosystem 7	70	65	53	77	64	66
Ecosystem 8	209	220	217	225	256	225
WIOA Region of College						
Delta	68	66	49	46	34	53
MS Partnership	295	293	311	364	372	327
South Central	266	231	230	207	190	225
Twin Districts	310	338	298	334	361	328

Table A2.1.22: Community College CTE Program-to-Workforce Alignment; Number of Community College CTE Graduates from Career/Technical Certificate Programs Employed in an Aligned Industry

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	745	799	732	769	947	798
Gender*						
Female	530	562	513	551	682	568
Male	213	235	218	216	262	229
Race*						
Black	334	333	314	426	503	382
White	369	418	381	305	398	374
Other	36	35	29	31	36	33
Race & Gender*						
Black, Female	248	245	223	317	386	284
Black, Male	86	88	91	109	116	98
White, Female	253	290	269	216	269	259
White, Male	115	127	112	89	129	114
Other, Female	26	21	17	17	24	21
Other, Male	10	14	12	14	12	12
Ecosystem of College						
Ecosystem 1	41	50	39	10	22	32
Ecosystem 2	109	121	86	145	176	127
Ecosystem 3	56	32	38	36	24	37
Ecosystem 4	107	89	103	115	183	119
Ecosystem 5	152	154	147	127	114	139
Ecosystem 6	141	155	147	168	192	161
Ecosystem 7	48	41	53	73	71	57
Ecosystem 8	91	157	119	95	165	125
WIOA Region of College						
Delta	97	82	77	46	46	70
MS Partnership	216	210	189	260	359	247
South Central	200	195	200	200	185	196
Twin Districts	232	312	266	263	357	286

Table A2.1.23: Receipt of Public Assistance; Number of Community College CTE Graduates from Associate of Applied Science Programs Who Receive Payments from Public Assistance Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	776	342	247	259	258	376
Gender*						
Female	547	277	205	213	215	291
Male	227	63	42	45	43	84
Race*						
Black	380	209	146	183	165	217
White	343	114	88	69	72	137
Other	44	13	13	<10	18	19
Race & Gender*						
Black, Female	295	180	128	157	140	180
Black, Male	85	29	18	26	25	37
White, Female	226	86	67	52	59	98
White, Male	116	27	21	17	13	39
Other, Female	22	<10	10	<10	13	11
Other, Male	22	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	38	12	15	24	13	20
Ecosystem 2	85	31	18	22	18	35
Ecosystem 3	25	11	<10	12	<10	13
Ecosystem 4	65	40	31	39	43	44
Ecosystem 5	190	101	63	60	41	91
Ecosystem 6	106	36	27	33	39	48
Ecosystem 7	39	24	21	18	21	25
Ecosystem 8	228	87	63	51	74	101
WIOA Region of College						
Delta	63	23	24	36	22	34
MS Partnership	150	71	49	61	61	78
South Central	229	125	84	78	62	116
Twin Districts	334	123	90	84	113	149
Public Assistance						
SNAP	300	251	215	234	221	244
TANF	<10	<10	<10	<10	<10	<10
UI	587	144	45	41	52	174

Table A2.1.24: Receipt of Public Assistance; Number of Community College CTE Graduates from Career/Technical Certificate Programs Who Receive Payments from Public Assistance Within One Year of Graduation

	AY2020	AY2021	AY2022	AY2023	AY2024	Average
Total	807	464	307	343	386	461
Gender*						
Female	446	282	199	237	272	287
Male	341	169	95	101	113	164
Race*						
Black	502	331	234	263	307	327
White	204	90	49	61	54	92
Other	27	<10	<10	<10	13	12
Race & Gender*						
Black, Female	274	208	157	192	221	210
Black, Male	228	122	75	71	86	116
White, Female	141	67	33	36	36	63
White, Male	63	22	16	25	18	29
Other, Female	16	<10	<10	<10	10	<10
Other, Male	11	<10	<10	<10	<10	<10
Ecosystem of College						
Ecosystem 1	31	32	13	11	23	22
Ecosystem 2	59	44	21	47	61	46
Ecosystem 3	46	11	<10	28	17	22
Ecosystem 4	86	38	29	47	69	54
Ecosystem 5	335	175	119	95	78	160
Ecosystem 6	136	70	63	61	57	77
Ecosystem 7	40	35	24	23	32	31
Ecosystem 8	74	59	32	31	49	49
WIOA Region of College						
Delta	77	43	19	39	40	44
MS Partnership	145	82	50	94	130	100
South Central	375	210	143	118	110	191
Twin Districts	210	129	95	92	106	126
Public Assistance						
SNAP	356	308	266	311	358	320
TANF	<10	<10	<10	<10	<10	<10
UI	599	232	53	44	46	195

Table A2.1.25: Numeric and Percent Change in Enrollment from AY2021-AY2025

	AY20 21	AY2025	Numeric Change	Percent Change
Total Community College Enrollment	89,347	89,985	638	1%
Total CTE Student Enrollment	19,852	19,617	-235	-1%
<i>AAS Degree</i>	14,992	14,392	-600	-4%
<i>CTE Certificate</i>	4,860	5,225	365	8%

A3 – K-12 Data

Table A3.1.1: Annual K-12 CTE Participants; Number of Students Enrolled in at Least One CTE Course

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	27,144	28,231	26,527	28,193	29,896	27,998
Gender						
Female	13,812	14,379	13,547	14,238	15,517	14,299
Male	13,332	13,852	12,980	13,955	14,379	13,700
Race						
Black	12,813	12,807	11,883	12,048	13,356	12,581
White	12,888	13,681	12,916	14,125	14,154	13,553
Other	1,443	1,743	1,728	2,020	2,386	1,864
Race & Gender						
Black, Female	7,170	7,157	6,663	6,648	7,544	7,036
Black, Male	5,643	5,650	5,220	5,400	5,812	5,545
White, Female	5,932	6,347	6,006	6,591	6,733	6,322
White, Male	6,956	7,334	6,910	7,534	7,421	7,231
Other, Female	710	875	878	999	1,240	940
Other, Male	733	868	850	1,021	1,146	924
Other Demographics						
1. Economically Disadvantaged	17,035	18,061	17,779	18,520	20,042	18,287
2. Children with Disabilities	2,198	2,299	2,082	2,236	2,314	2,226
3. English learner	380	493	447	475	506	460
4. Homeless	389	407	321	228	246	318
Ecosystem of School						
Ecosystem 1	1,030	1,001	962	1,042	974	1,002
Ecosystem 2	4,513	4,688	4,370	4,871	5,145	4,717
Ecosystem 3	1,959	1,675	1,566	1,307	1,569	1,615
Ecosystem 4	3,202	3,548	3,354	3,513	3,763	3,476
Ecosystem 5	4,412	4,921	4,490	5,255	5,506	4,917
Ecosystem 6	3,835	4,000	4,018	4,119	4,183	4,031
Ecosystem 7	2,110	2,145	2,077	1,823	2,149	2,061
Ecosystem 8	6,083	6,253	5,690	6,263	6,607	6,179
WIOA Region of School						
Delta	2,989	2,676	2,528	2,349	2,543	2,617
MS Partnership	7,715	8,236	7,724	8,384	8,908	8,193

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	6,522	7,066	6,567	7,078	7,655	6,978
Twin Districts	9,918	10,253	9,708	10,382	10,790	10,210
CTE Clusters						
1. Agriculture, Food, and Natural Resources	4,323	4,690	4,253	4,598	4,571	4,487
2. Architecture and Construction	2,516	2,487	2,263	2,307	2,416	2,398
3. Arts, A/V Technology, and Communications	1,328	1,427	1,276	1,252	1,311	1,319
4. Business, Marketing, and Finance	2,151	2,212	2,004	1,944	2,081	2,078
5. Education and Training	1,467	1,568	1,520	1,767	1,965	1,657
6. Health Science	5,490	5,767	5,579	5,860	6,282	5,796
7. Hospitality and Tourism	1,861	1,900	1,868	1,900	2,172	1,940
8. Human Services	1,874	1,752	1,265	1,097	1,218	1,441
9. Information Technology	538	567	520	614	695	587
10. Law, Public Safety, Corrections, and Security	1,228	1,207	1,409	1,480	1,704	1,406
11. Manufacturing	1,902	2,228	2,254	2,277	2,293	2,191
12. Science, Technology, Engineering, and Mathematics	1,435	1,487	1,359	1,784	1,740	1,561
13. Transportation, Distribution, and Logistics	1,711	1,671	1,527	1,659	1,720	1,658
14. CTE Dual Credit Multi-Category*	-	-	-	633	688	661

Table A3.1.2: Total K-12 CTE Concentrators; Number of Students Enrolled in a Level Two CTE Course

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	9,509	10,036	9,816	9,168	9,822	9,670
Gender						
Female	4,858	5,167	5,074	4,715	5,070	4,977
Male	4,651	4,869	4,742	4,453	4,752	4,693
Race						
Black	4,521	4,666	4,632	3,794	4,410	4,405
White	4,537	4,802	4,566	4,758	4,646	4,662
Other	451	568	618	616	766	604
Race & Gender						
Black, Female	2,610	2,664	2,626	2,206	2,496	2,520
Black, Male	1,911	2,002	2,006	1,588	1,914	1,884
White, Female	2,023	2,221	2,122	2,195	2,169	2,146
White, Male	2,514	2,581	2,444	2,563	2,477	2,516
Other, Female	225	282	326	314	405	310
Other, Male	226	286	292	302	361	293
Other Demographics						
1. Economically Disadvantaged	6,031	6,527	6,728	6,014	6,618	6,384
2. Children with Disabilities	766	752	721	668	713	724
3. English learner	120	147	143	127	138	135
4. Homeless	126	151	128	74	105	117
Ecosystem of School						
Ecosystem 1	331	342	362	340	325	340
Ecosystem 2	1,416	1,494	1,384	1,484	1,549	1,465
Ecosystem 3	584	657	697	407	469	563
Ecosystem 4	956	1,104	1,129	1,131	1,182	1,100
Ecosystem 5	1,798	1,852	1,558	1,503	1,590	1,660
Ecosystem 6	1,300	1,325	1,524	1,364	1,447	1,392
Ecosystem 7	781	798	823	618	725	749
Ecosystem 8	2,343	2,464	2,339	2,321	2,535	2,400
WIOA Region of School						
Delta	915	999	1,059	747	794	903
MS Partnership	2,372	2,598	2,513	2,615	2,731	2,566
South Central	2,579	2,650	2,381	2,121	2,315	2,409
Twin Districts	3,643	3,789	3,863	3,685	3,982	3,792

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	1,226	1,304	1,094	1,187	911	1,144
2. Architecture and Construction	882	898	910	747	831	854
3. Arts, A/V Technology, and Communications	333	464	510	423	432	432
4. Business, Marketing, and Finance	782	724	746	597	712	712
5. Education and Training	489	588	586	557	633	571
6. Health Science	2,010	2,154	2,175	2,066	2,331	2,147
7. Hospitality and Tourism	639	603	654	535	681	622
8. Human Services	966	950	529	426	431	660
9. Information Technology	153	172	160	151	200	167
10. Law, Public Safety, Corrections, and Security	340	376	481	464	494	431
11. Manufacturing	644	765	902	754	883	790
12. Science, Technology, Engineering, and Mathematics	500	494	538	609	541	536
13. Transportation, Distribution, and Logistics	601	598	576	504	600	576
14. CTE Dual Credit Multi-Category*	-	-	-	245	217	231

TableA3.1.3: Graduating K-12 CTE Participants; Number of CTE Participants Who Graduated from K-12 with Traditional Diploma

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	12,473	13,134	12,616	13,281	13,365	12,974
Gender						
Female	6,345	6,823	6,523	6,858	6,851	6,680
Male	6,128	6,311	6,093	6,423	6,514	6,294
Race						
Black	6,020	6,397	6,084	6,230	6,076	6,161
White	5,860	6,064	5,796	6,219	6,371	6,062
Other	593	673	736	832	918	750
Race & Gender						
Black, Female	3,406	3,642	3,413	3,484	3,366	3,462
Black, Male	2,614	2,755	2,671	2,746	2,710	2,699
White, Female	2,650	2,844	2,721	2,967	3,001	2,837
White, Male	3,210	3,220	3,075	3,252	3,370	3,225
Other, Female	289	337	389	407	484	381
Other, Male	304	336	347	425	434	369
Other Demographics						
1. Economically Disadvantaged	3,227	3,859	4,649	4,559	5,306	4,320
2. Children with Disabilities	306	406	523	490	643	474
3. English learner	88	117	134	199	194	146
4. Homeless	88	114	130	123	116	114
Ecosystem of School						
Ecosystem 1	441	498	480	374	470	453
Ecosystem 2	2,184	2,278	2,071	2,249	2,336	2,224
Ecosystem 3	881	798	779	841	693	798
Ecosystem 4	1,412	1,618	1,477	1,530	1,697	1,547
Ecosystem 5	1,862	1,987	2,021	2,325	2,288	2,097
Ecosystem 6	1,807	1,851	1,791	1,867	1,897	1,843
Ecosystem 7	1,037	1,015	1,038	1,000	899	998
Ecosystem 8	2,849	3,089	2,959	3,095	3,085	3,015
WIOA Region of School						
Delta	1,322	1,296	1,259	1,215	1,163	1,251
MS Partnership	3,596	3,896	3,548	3,779	4,033	3,770
South Central	2,899	3,002	3,059	3,325	3,187	3,094
Twin Districts	4,656	4,940	4,750	4,962	4,982	4,858

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	2,283	2,437	2,315	2,341	2,337	2,343
2. Architecture and Construction	1,285	1,317	1,223	1,261	1,247	1,267
3. Arts, A/V Technology, and Communications	628	682	722	710	765	701
4. Business, Marketing, and Finance	1,430	1,349	1,213	1,196	1,061	1,250
5. Education and Training	737	795	796	813	993	827
6. Health Science	2,544	2,807	2,807	2,905	2,986	2,810
7. Hospitality and Tourism	912	1,059	951	1,002	1,118	1,008
8. Human Services	694	802	723	1,003	920	828
9. Information Technology	240	256	313	392	355	311
10. Law, Public Safety, Corrections, and Security	568	612	593	777	811	672
11. Manufacturing	954	1,034	1,049	1,142	1,162	1,068
12. Science, Technology, Engineering, and Mathematics	849	848	848	949	921	883
13. Transportation, Distribution, and Logistics	1,061	1,026	857	826	869	928
14. CTE Dual Credit Multi-Category*	-	-	-	206	373	290

Table A3.1.4: Graduating K-12 CTE Concentrators; Number of CTE Concentrators Who Graduated from K-12 with Traditional Diploma

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	8,177	8,308	8,254	8,756	8,870	8,473
Gender						
Female	4,208	4,373	4,350	4,551	4,627	4,422
Male	3,969	3,935	3,904	4,205	4,243	4,051
Race						
Black	3,779	3,933	3,864	4,090	3,906	3,914
White	4,006	3,967	3,904	4,140	4,364	4,076
Other	392	408	486	526	600	482
Race & Gender						
Black, Female	2,223	2,317	2,245	2,331	2,213	2,266
Black, Male	1,556	1,616	1,619	1,759	1,693	1,649
White, Female	1,786	1,846	1,834	1,962	2,089	1,903
White, Male	2,220	2,121	2,070	2,178	2,275	2,173
Other, Female	199	210	271	258	325	253
Other, Male	193	198	215	268	275	230
Other Demographics						
1. Economically Disadvantaged	2,084	2,438	3,058	3,087	3,444	2,822
2. Children with Disabilities	208	238	326	300	417	298
3. English learner	52	63	91	112	121	88
4. Homeless	57	72	85	76	75	73
Ecosystem of School						
Ecosystem 1	277	260	305	244	314	280
Ecosystem 2	1,351	1,269	1,096	1,296	1,320	1,266
Ecosystem 3	540	533	522	570	386	510
Ecosystem 4	822	948	950	929	1,077	945
Ecosystem 5	1,167	1,245	1,332	1,636	1,624	1,401
Ecosystem 6	1,239	1,186	1,150	1,236	1,264	1,215
Ecosystem 7	653	665	741	676	586	664
Ecosystem 8	2,128	2,202	2,158	2,169	2,299	2,191
WIOA Region of School						
Delta	817	793	827	814	700	790
MS Partnership	2,173	2,217	2,046	2,225	2,397	2,212
South Central	1,820	1,910	2,073	2,312	2,210	2,065
Twin Districts	3,367	3,388	3,308	3,405	3,563	3,406

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	1,219	1,057	948	903	926	1,011
2. Architecture and Construction	767	804	757	821	754	781
3. Arts, A/V Technology, and Communications	370	359	409	382	423	389
4. Business, Marketing, and Finance	799	714	650	602	626	678
5. Education and Training	470	507	520	508	593	520
6. Health Science	1,830	1,954	2,060	1,983	2,113	1,988
7. Hospitality and Tourism	548	577	537	562	623	569
8. Human Services	457	483	492	801	703	587
9. Information Technology	143	156	127	159	156	148
10. Law, Public Safety, Corrections, and Security	251	321	324	465	427	358
11. Manufacturing	625	638	703	741	738	689
12. Science, Technology, Engineering, and Mathematics	444	459	476	557	537	495
13. Transportation, Distribution, and Logistics	581	554	520	516	494	533
14. CTE Dual Credit Multi-Category*	-	-	-	106	232	169

Table A3.1.5: K-12 CTE Participant Dropouts; Number of CTE Participants Who Dropped Out from K-12 Before Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	385	284	401	475	253	360
Gender						
Female	146	97	122	178	85	126
Male	239	187	279	297	168	234
Race						
Black	181	125	133	210	105	151
White	190	145	244	235	140	191
Other	14	14	24	30	<10	18
Race & Gender						
Black, Female	70	47	33	75	34	52
Black, Male	111	78	100	135	71	99
White, Female	73	47	79	86	48	67
White, Male	117	98	165	149	92	124
Other, Female	<10	<10	10	17	<10	<10
Other, Male	11	11	14	13	<10	11
Other Demographics						
1. Economically Disadvantaged	112	89	168	205	110	137
2. Children with Disabilities	25	29	41	46	20	32
3. English learner	<10	<10	<10	10	<10	<10
4. Homeless	<10	<10	<10	15	<10	<10
Ecosystem of School						
Ecosystem 1	15	21	13	16	17	16
Ecosystem 2	84	50	108	111	68	84
Ecosystem 3	37	21	28	50	30	33
Ecosystem 4	38	47	54	84	28	50
Ecosystem 5	52	25	33	49	20	36
Ecosystem 6	61	52	58	56	25	50
Ecosystem 7	32	29	38	36	27	32
Ecosystem 8	66	39	69	73	38	57
WIOA Region of School						
Delta	52	42	41	66	47	50
MS Partnership	122	97	162	195	96	134
South Central	84	54	71	85	47	68
Twin Districts	127	91	127	129	63	107

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	118	93	145	137	86	116
2. Architecture and Construction	58	31	45	68	25	45
3. Arts, A/V Technology, and Communications	18	<10	11	14	<10	12
4. Business, Marketing, and Finance	42	17	31	30	13	27
5. Education and Training	11	11	18	24	<10	14
6. Health Science	26	19	16	32	15	22
7. Hospitality and Tourism	24	15	21	28	17	21
8. Human Services	15	23	15	26	15	19
9. Information Technology	<10	<10	10	<10	<10	<10
10. Law, Public Safety, Corrections, and Security	24	11	26	42	16	24
11. Manufacturing	39	42	63	47	33	45
12. Science, Technology, Engineering, and Mathematics	11	15	23	31	12	18
13. Transportation, Distribution, and Logistics	48	34	40	39	34	39
14. CTE Dual Credit Multi-Category*	-	-	-	<10	<10	<10

Table A3.1.6: K-12 CTE Concentrator Dropouts; Number of CTE Concentrators Who Dropped Out from K-12 Before Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	74	59	83	101	42	72
Gender						
Female	25	18	22	38	18	24
Male	49	41	61	63	24	48
Race						
Black	21	21	27	41	15	25
White	49	34	51	55	26	43
Other	<10	<10	<10	<10	<10	<10
Race & Gender						
Black, Female	<10	12	<10	16	<10	10
Black, Male	14	<10	19	25	<10	15
White, Female	17	<10	13	20	10	13
White, Male	32	28	38	35	16	30
Other, Female	<10	<10	<10	<10	<10	<10
Other, Male	<10	<10	<10	<10	<10	<10
Other Demographics						
1. Economically Disadvantaged	14	23	39	53	20	30
2. Children with Disabilities	<10	<10	<10	<10	<10	<10
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	24	12	25	20	10	18
Ecosystem 3	<10	<10	<10	22	<10	<10
Ecosystem 4	<10	<10	10	11	<10	<10
Ecosystem 5	<10	<10	10	13	<10	<10
Ecosystem 6	15	11	13	12	<10	11
Ecosystem 7	<10	<10	<10	<10	<10	<10
Ecosystem 8	12	<10	12	10	<10	<10
WIOA Region of School						
Delta	<10	<10	<10	26	<10	11
MS Partnership	31	20	35	31	15	26
South Central	<10	16	17	22	<10	14
Twin Districts	27	18	25	22	<10	20

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	29	21	18	17	<10	19
2. Architecture and Construction	11	<10	13	13	<10	<10
3. Arts, A/V Technology, and Communications	<10	<10	<10	<10	<10	<10
4. Business, Marketing, and Finance	<10	<10	<10	<10	<10	<10
5. Education and Training	<10	<10	<10	<10	<10	<10
6. Health Science	<10	<10	<10	<10	<10	<10
7. Hospitality and Tourism	<10	<10	<10	<10	<10	<10
8. Human Services	<10	<10	<10	11	<10	<10
9. Information Technology	<10	<10	<10	<10	<10	<10
10. Law, Public Safety, Corrections, and Security	<10	<10	<10	11	<10	<10
11. Manufacturing	<10	<10	18	15	<10	11
12. Science, Technology, Engineering, and Mathematics	<10	<10	<10	<10	<10	<10
13. Transportation, Distribution, and Logistics	<10	<10	<10	10	<10	<10
14. CTE Dual Credit Multi-Category*	-	-	-	<10	<10	<10

Table A3.1.7: Grade of First K-12 CTE Enrollment; Frequency Tabulation of the Grade CTE Students First Enrolled in a K-12 CTE Course,; Measured for Students Who Graduated

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
9th Grade	1,946	2,009	2,395	2,693	2,910	2,391
10th Grade	5,843	6,125	5,741	6,200	5,716	5,925
11th Grade	4,248	4,544	4,129	3,750	4,291	4,192
12th Grade	436	456	338	583	393	441

Table A3.1.8: K-12 CTE Participants Who Graduated with CTE Dual Credit; Number of K-12 CTE Participants Who Graduated After Completing a; CTE Dual Credit / Dual Enrollment Academic Program

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	298	509	613	1,009	1,176	721
Gender						
Female	123	245	303	499	622	358
Male	175	264	310	510	554	363
Race						
Black	180	323	335	490	618	389
White	109	170	251	470	489	298
Other	<10	16	27	49	69	34
Race & Gender						
Black, Female	90	187	198	273	353	220
Black, Male	90	136	137	217	265	169
White, Female	30	53	91	207	237	124
White, Male	79	117	160	263	252	174
Other, Female	<10	<10	14	19	32	15
Other, Male	<10	11	13	30	37	19
Other Demographics						
1. Economically Disadvantaged	79	171	181	287	465	237
2. Children with Disabilities	<10	18	16	32	44	23
3. English learner	<10	<10	<10	12	11	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	21	25	46	54	31
Ecosystem 2	33	37	13	30	40	31
Ecosystem 3	<10	<10	<10	<10	11	<10
Ecosystem 4	27	83	24	41	31	41
Ecosystem 5	139	244	396	532	590	380
Ecosystem 6	34	37	85	140	248	109
Ecosystem 7	17	20	18	22	21	20
Ecosystem 8	39	65	48	191	181	105
WIOA Region of School						
Delta	<10	23	29	53	65	36
MS Partnership	60	120	37	71	71	72
South Central	156	264	414	554	611	400

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	73	102	133	331	429	214
CTE Clusters						
1. Agriculture, Food, and Natural Resources	31	44	42	75	62	51
2. Architecture and Construction	34	46	48	64	48	48
3. Arts, A/V Technology, and Communications	15	51	85	127	114	78
4. Business, Marketing, and Finance	27	85	76	198	177	113
5. Education and Training	12	<10	16	79	189	60
6. Health Science	62	92	149	254	315	174
7. Hospitality and Tourism	19	42	39	43	43	37
8. Human Services	33	95	63	223	252	133
9. Information Technology	28	42	15	69	52	41
10. Law, Public Safety, Corrections, and Security	<10	<10	<10	11	35	11
11. Manufacturing	46	73	99	113	77	82
12. Science, Technology, Engineering, and Mathematics	13	32	18	110	113	57
13. Transportation, Distribution, and Logistics	25	49	70	68	42	51
14. CTE Dual Credit Multi-Category*	-	-	-	206	373	290

Table A3.1.9: K-12 CTE Concentrators Who Graduated with CTE Dual Credit; Number of K-12 CTE Concentrators Who Graduated After Completing a; CTE Dual Credit / Dual Enrollment Academic Program

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	155	306	444	681	857	489
Gender						
Female	64	133	205	338	462	240
Male	91	173	239	343	395	248
Race						
Black	87	178	216	339	455	255
White	63	115	207	311	354	210
Other	<10	13	21	31	48	24
Race & Gender						
Black, Female	46	99	120	192	258	143
Black, Male	41	79	96	147	197	112
White, Female	16	30	75	135	184	88
White, Male	47	85	132	176	170	122
Other, Female	<10	<10	10	11	20	<10
Other, Male	<10	<10	11	20	28	14
Other Demographics						
1. Economically Disadvantaged	44	94	121	206	335	160
2. Children with Disabilities	<10	12	12	22	37	17
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	12	13	13	26	14
Ecosystem 2	22	21	11	24	32	22
Ecosystem 3	<10	<10	<10	<10	<10	<10
Ecosystem 4	13	35	10	19	19	19
Ecosystem 5	47	142	287	419	455	270
Ecosystem 6	17	29	75	87	197	81
Ecosystem 7	13	18	15	16	16	16
Ecosystem 8	34	47	31	99	105	63
WIOA Region of School						
Delta	<10	14	15	17	33	18
MS Partnership	35	56	21	43	51	41
South Central	60	160	302	435	471	286

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	51	76	106	186	302	144
CTE Clusters						
1. Agriculture, Food, and Natural Resources	16	22	17	13	21	18
2. Architecture and Construction	27	34	39	35	22	31
3. Arts, A/V Technology, and Communications	10	36	69	81	84	56
4. Business, Marketing, and Finance	14	30	34	66	97	48
5. Education and Training	<10	<10	12	27	103	30
6. Health Science	26	45	97	133	196	99
7. Hospitality and Tourism	10	30	20	25	15	20
8. Human Services	<10	21	41	197	206	94
9. Information Technology	18	23	<10	<10	<10	12
10. Law, Public Safety, Corrections, and Security	<10	<10	<10	<10	13	<10
11. Manufacturing	20	52	76	50	28	45
12. Science, Technology, Engineering, and Mathematics	<10	13	<10	42	45	23
13. Transportation, Distribution, and Logistics	<10	17	45	26	<10	20
14. CTE Dual Credit Multi-Category*	-	-	-	106	232	169

Table A3.1.10: K-12 CTE Participants Who Graduated with Non-CTE Dual Credit;
 Number of K-12 CTE Participants Who Graduated After Completing a; Non-CTE Dual
 Credit / Dual Enrollment Academic Program

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	4,272	4,500	4,101	4,321	4,915	4,422
Gender						
Female	2,705	2,918	2,670	2,754	3,068	2,823
Male	1,567	1,582	1,431	1,567	1,847	1,599
Race						
Black	1,826	1,719	1,510	1,511	1,723	1,658
White	2,244	2,537	2,330	2,528	2,810	2,490
Other	202	244	261	282	382	274
Race & Gender						
Black, Female	1,275	1,227	1,085	1,066	1,194	1,169
Black, Male	551	492	425	445	529	488
White, Female	1,315	1,543	1,414	1,526	1,629	1,485
White, Male	929	994	916	1,002	1,181	1,004
Other, Female	115	148	171	162	245	168
Other, Male	87	96	90	120	137	106
Other Demographics						
1. Economically Disadvantaged	1,055	1,185	1,382	1,377	1,833	1,366
2. Children with Disabilities	42	36	39	45	75	47
3. English learner	15	20	23	44	58	32
4. Homeless	29	32	32	36	23	30
Ecosystem of School						
Ecosystem 1	190	190	160	105	188	167
Ecosystem 2	704	723	676	829	934	773
Ecosystem 3	257	179	192	189	192	202
Ecosystem 4	504	522	458	433	608	505
Ecosystem 5	729	727	623	649	692	684
Ecosystem 6	625	629	576	596	702	626
Ecosystem 7	250	307	278	293	277	281
Ecosystem 8	1,013	1,223	1,138	1,227	1,322	1,185
WIOA Region of School						
Delta	447	369	352	294	380	368
MS Partnership	1,208	1,245	1,134	1,262	1,542	1,278
South Central	979	1,034	901	942	969	965

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	1,638	1,852	1,714	1,823	2,024	1,810
CTE Clusters						
1. Agriculture, Food, and Natural Resources	646	673	646	722	844	706
2. Architecture and Construction	279	255	233	260	327	271
3. Arts, A/V Technology, and Communications	214	278	219	202	268	236
4. Business, Marketing, and Finance	598	523	480	369	402	474
5. Education and Training	253	264	252	279	325	275
6. Health Science	1,406	1,553	1,501	1,509	1,628	1,519
7. Hospitality and Tourism	263	329	271	256	423	308
8. Human Services	222	226	184	254	219	221
9. Information Technology	70	71	106	137	138	104
10. Law, Public Safety, Corrections, and Security	152	166	153	211	240	184
11. Manufacturing	138	147	118	174	218	159
12. Science, Technology, Engineering, and Mathematics	355	359	333	390	377	363
13. Transportation, Distribution, and Logistics	154	181	131	103	172	148
14. CTE Dual Credit Multi-Category*	-	-	-	<10	<10	<10

Table A3.1.11: K-12 CTE Concentrators Who Graduated with Non-CTE Dual Credit;
 Number of K-12 CTE Concentrators Who Graduated After Completing a; Non-CTE Dual
 Credit / Dual Enrollment Academic Program

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	2,849	2,990	2,882	3,088	3,481	3,058
Gender						
Female	1,853	1,982	1,930	1,997	2,213	1,995
Male	996	1,008	952	1,091	1,268	1,063
Race						
Black	1,207	1,158	1,087	1,156	1,243	1,170
White	1,497	1,675	1,601	1,732	1,970	1,695
Other	145	157	194	200	268	193
Race & Gender						
Black, Female	865	845	802	819	868	840
Black, Male	342	313	285	337	375	330
White, Female	901	1,040	997	1,064	1,168	1,034
White, Male	596	635	604	668	802	661
Other, Female	87	97	131	114	177	121
Other, Male	58	60	63	86	91	72
Other Demographics						
1. Economically Disadvantaged	710	819	979	1,011	1,284	961
2. Children with Disabilities	31	23	30	35	54	35
3. English learner	<10	11	20	32	42	23
4. Homeless	21	23	23	25	20	22
Ecosystem of School						
Ecosystem 1	129	121	112	85	157	121
Ecosystem 2	431	414	364	476	559	449
Ecosystem 3	146	117	131	140	113	129
Ecosystem 4	314	321	343	307	429	343
Ecosystem 5	474	463	416	498	510	472
Ecosystem 6	427	423	406	405	465	425
Ecosystem 7	172	216	214	221	195	204
Ecosystem 8	756	915	896	956	1,053	915
WIOA Region of School						
Delta	275	238	243	225	270	250
MS Partnership	745	735	707	783	988	792
South Central	646	679	630	719	705	676

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	1,183	1,338	1,302	1,361	1,518	1,340
CTE Clusters						
1. Agriculture, Food, and Natural Resources	337	295	272	267	309	296
2. Architecture and Construction	146	147	149	173	209	165
3. Arts, A/V Technology, and Communications	120	138	113	113	149	127
4. Business, Marketing, and Finance	326	272	280	214	246	268
5. Education and Training	166	184	174	194	223	188
6. Health Science	1,087	1,174	1,202	1,173	1,281	1,183
7. Hospitality and Tourism	144	179	158	149	254	177
8. Human Services	130	162	124	212	171	160
9. Information Technology	41	47	51	62	76	55
10. Law, Public Safety, Corrections, and Security	67	89	85	144	143	106
11. Manufacturing	95	85	81	122	155	108
12. Science, Technology, Engineering, and Mathematics	194	224	221	295	269	241
13. Transportation, Distribution, and Logistics	76	87	77	69	105	83
14. CTE Dual Credit Multi-Category*	-	-	-	<10	<10	<10

Table A3.1.12: Work-Based Learning for K-12 CTE Participants; Number of K-12 CTE Participants Who Completed a; Work-Based Learning Course Prior to K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
WORK-BASED LEARNING COURSE PRIOR TO K-12 GRADUATION						
Total	1,015	1,145	1,115	1,943	2,017	1,447
Gender						
Female	533	635	592	1,025	1,024	762
Male	482	510	523	918	993	685
Race						
Black	376	447	488	769	755	567
White	602	643	563	1,060	1,141	802
Other	37	55	64	114	121	78
Race & Gender						
Black, Female	251	311	290	456	457	353
Black, Male	125	136	198	313	298	214
White, Female	266	296	267	517	505	370
White, Male	336	347	296	543	636	432
Other, Female	16	28	35	52	62	39
Other, Male	21	27	29	62	59	40
Other Demographics						
1. Economically Disadvantaged	242	285	376	643	747	459
2. Children with Disabilities	13	29	34	57	70	41
3. English learner	<10	<10	<10	24	27	15
4. Homeless	10	<10	12	13	17	12
Ecosystem of School						
Ecosystem 1	43	65	56	73	87	65
Ecosystem 2	243	250	214	345	405	291
Ecosystem 3	49	28	21	71	60	46
Ecosystem 4	69	102	76	125	180	110
Ecosystem 5	151	203	313	408	395	294
Ecosystem 6	111	122	99	312	277	184
Ecosystem 7	30	30	27	98	90	55
Ecosystem 8	319	345	309	511	523	401
WIOA Region of School						
Delta	92	93	77	144	147	111
MS Partnership	312	352	290	470	585	402

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	181	233	340	506	485	349
Twin Districts	430	467	408	823	800	586
CTE Clusters						
1. Agriculture, Food, and Natural Resources	185	196	167	333	370	250
2. Architecture and Construction	110	107	86	172	155	126
3. Arts, A/V Technology, and Communications	54	55	60	138	152	92
4. Business, Marketing, and Finance	114	82	71	149	147	113
5. Education and Training	64	66	73	140	174	103
6. Health Science	218	282	300	469	430	340
7. Hospitality and Tourism	71	97	104	128	140	108
8. Human Services	38	64	85	258	236	136
9. Information Technology	24	15	20	37	40	27
10. Law, Public Safety, Corrections, and Security	26	52	32	90	105	61
11. Manufacturing	108	116	125	208	240	159
12. Science, Technology, Engineering, and Mathematics	57	77	51	124	146	91
13. Transportation, Distribution, and Logistics	100	103	84	122	129	108
14. CTE Dual Credit Multi-Category*	-	-	-	44	106	75

Table A3.1.13: Work-Based Learning for K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Completed a; Work-Based Learning Course Prior to K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
WORK-BASED LEARNING COURSE PRIOR TO K-12 GRADUATION						
Total	791	918	867	1,558	1,634	1,154
Gender						
Female	405	510	447	816	854	606
Male	386	408	420	742	780	547
Race						
Black	287	348	348	611	613	441
White	472	529	467	861	928	651
Other	32	41	52	86	93	61
Race & Gender						
Black, Female	190	239	204	357	389	276
Black, Male	97	109	144	254	224	166
White, Female	200	248	216	419	420	301
White, Male	272	281	251	442	508	351
Other, Female	15	23	27	40	45	30
Other, Male	17	18	25	46	48	31
Other Demographics						
1. Economically Disadvantaged	186	211	285	517	573	354
2. Children with Disabilities	<10	23	27	45	59	33
3. English learner	<10	<10	<10	22	21	13
4. Homeless	<10	<10	<10	<10	15	<10
Ecosystem of School						
Ecosystem 1	36	45	40	55	59	47
Ecosystem 2	146	166	138	249	287	197
Ecosystem 3	31	21	20	51	44	33
Ecosystem 4	41	69	53	101	136	80
Ecosystem 5	124	180	220	349	335	242
Ecosystem 6	107	111	90	248	233	158
Ecosystem 7	21	23	26	79	73	44
Ecosystem 8	285	303	280	426	467	352
WIOA Region of School						
Delta	67	66	60	106	103	80

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
MS Partnership	187	235	191	350	423	277
South Central	145	203	246	428	408	286
Twin Districts	392	414	370	674	700	510
CTE Clusters						
1. Agriculture, Food, and Natural Resources	101	116	72	160	168	123
2. Architecture and Construction	82	84	69	122	93	90
3. Arts, A/V Technology, and Communications	42	38	41	84	92	59
4. Business, Marketing, and Finance	82	61	55	70	90	72
5. Education and Training	47	49	53	103	122	75
6. Health Science	177	240	233	357	364	274
7. Hospitality and Tourism	51	76	69	80	103	76
8. Human Services	29	41	68	236	209	117
9. Information Technology	14	<10	15	28	29	19
10. Law, Public Safety, Corrections, and Security	17	28	23	64	63	39
11. Manufacturing	97	84	91	163	178	123
12. Science, Technology, Engineering, and Mathematics	40	56	39	95	121	70
13. Transportation, Distribution, and Logistics	57	74	60	91	92	75
14. CTE Dual Credit Multi-Category*	-	-	-	23	60	42

Table A3.1.14: Enrollment of K-12 CTE Participants at Mississippi Community College;
 Number of K-12 CTE Participants Who Graduated K-12 and Subsequently Enrolled in;
 Mississippi Community College within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	6,365	6,133	5,573	5,815	5,887	5,955
Gender						
Female	3,556	3,550	3,170	3,280	3,299	3,371
Male	2,809	2,583	2,403	2,535	2,588	2,584
Race						
Black	3,058	2,862	2,545	2,525	2,501	2,698
White	3,075	3,011	2,750	2,962	3,006	2,961
Other	232	260	278	328	380	296
Race & Gender						
Black, Female	1,858	1,777	1,563	1,533	1,482	1,643
Black, Male	1,200	1,085	982	992	1,019	1,056
White, Female	1,575	1,623	1,434	1,574	1,600	1,561
White, Male	1,500	1,388	1,316	1,388	1,406	1,400
Other, Female	123	150	173	173	217	167
Other, Male	109	110	105	155	163	128
Other Demographics						
1. Economically Disadvantaged	1,634	1,792	2,089	1,972	2,321	1,962
2. Children with Disabilities	114	152	189	182	234	174
3. English learner	33	36	33	65	81	50
4. Homeless	37	36	51	46	40	42
Ecosystem of School						
Ecosystem 1	237	217	196	169	202	204
Ecosystem 2	1,096	1,044	916	1,023	1,091	1,034
Ecosystem 3	409	350	265	287	262	315
Ecosystem 4	779	837	719	702	787	765
Ecosystem 5	862	824	847	846	812	838
Ecosystem 6	999	930	862	948	947	937
Ecosystem 7	555	485	455	471	439	481
Ecosystem 8	1,428	1,446	1,313	1,369	1,347	1,381
WIOA Region of School						
Delta	646	567	461	456	464	519
MS Partnership	1,875	1,881	1,635	1,725	1,878	1,799
South Central	1,417	1,309	1,302	1,317	1,251	1,319

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	2,427	2,376	2,175	2,317	2,294	2,318
Major						
Agriculture and Life Sciences	203	254	187	213	184	208
Architecture, Art, and Design	<10	12	20	14	12	13
Arts and Sciences	3,124	2,977	2,648	2,626	2,828	2,841
Business	365	416	383	435	426	405
Education	1,096	1,047	965	1,016	977	1,020
Engineering	468	472	408	447	464	452
Fine Arts	253	220	217	209	228	225
Legal Studies	148	140	129	116	116	130
Production	695	582	599	631	644	630
Undeclared	<10	13	17	108	<10	30
CTE Clusters						
1. Agriculture, Food, and Natural Resources	1,240	1,178	1,080	1,114	1,104	1,143
2. Architecture and Construction	610	533	473	505	493	523
3. Arts, A/V Technology, and Communications	316	322	320	282	334	315
4. Business, Marketing, and Finance	758	594	532	525	497	581
5. Education and Training	455	447	382	393	480	431
6. Health Science	1,422	1,576	1,488	1,508	1,453	1,489
7. Hospitality and Tourism	454	509	440	405	489	459
8. Human Services	378	376	316	439	408	383
9. Information Technology	109	125	127	169	150	136
10. Law, Public Safety, Corrections, and Security	270	272	252	340	316	290
11. Manufacturing	414	356	352	387	439	390
12. Science, Technology, Engineering, and Mathematics	397	379	362	373	336	369
13. Transportation, Distribution, and Logistics	429	374	304	266	304	335
14. CTE Dual Credit Multi-Category*	-	-	-	85	140	113

Table A3.1.15: Enrollment of K-12 CTE Concentrators at Mississippi Community College; Number of K-12 CTE Concentrators Who Graduated K-12 and Subsequently Enrolled in; Mississippi Community College within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	4,255	3,964	3,773	4,016	4,010	4,004
Gender						
Female	2,441	2,338	2,211	2,283	2,289	2,312
Male	1,814	1,626	1,562	1,733	1,721	1,691
Race						
Black	1,986	1,787	1,676	1,739	1,641	1,766
White	2,122	2,014	1,901	2,059	2,120	2,043
Other	147	163	196	218	249	195
Race & Gender						
Black, Female	1,269	1,155	1,075	1,066	977	1,108
Black, Male	717	632	601	673	664	657
White, Female	1,088	1,089	1,006	1,108	1,155	1,089
White, Male	1,034	925	895	951	965	954
Other, Female	84	94	130	109	157	115
Other, Male	63	69	66	109	92	80
Other Demographics						
1. Economically Disadvantaged	1,085	1,147	1,425	1,407	1,555	1,324
2. Children with Disabilities	82	103	113	128	158	117
3. English learner	17	22	28	40	49	31
4. Homeless	20	25	40	33	26	29
Ecosystem of School						
Ecosystem 1	149	115	128	119	138	130
Ecosystem 2	680	610	488	599	656	607
Ecosystem 3	259	243	176	209	155	208
Ecosystem 4	451	486	493	457	492	476
Ecosystem 5	541	503	555	614	568	556
Ecosystem 6	688	608	563	659	653	634
Ecosystem 7	368	331	337	322	291	330
Ecosystem 8	1,119	1,068	1,033	1,037	1,057	1,063
WIOA Region of School						
Delta	408	358	304	328	293	338
MS Partnership	1,131	1,096	981	1,056	1,148	1,082
South Central	909	834	892	936	859	886

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	1,807	1,676	1,596	1,696	1,710	1,697
Major						
Agriculture and Life Sciences	140	156	117	144	146	141
Architecture, Art, and Design	<10	<10	12	10	<10	<10
Arts and Sciences	2,069	1,919	1,806	1,834	1,883	1,902
Business	236	237	226	276	271	249
Education	696	671	665	684	663	676
Engineering	348	321	270	308	310	311
Fine Arts	163	138	144	142	168	151
Legal Studies	82	88	94	81	75	84
Production	513	417	432	473	479	463
Undeclared	<10	<10	<10	64	<10	18
CTE Clusters						
1. Agriculture, Food, and Natural Resources	649	514	448	423	435	494
2. Architecture and Construction	368	303	288	346	317	324
3. Arts, A/V Technology, and Communications	187	168	184	157	189	177
4. Business, Marketing, and Finance	451	320	288	284	304	329
5. Education and Training	298	287	252	280	301	284
6. Health Science	1,049	1,121	1,122	1,083	1,068	1,089
7. Hospitality and Tourism	273	276	259	244	282	267
8. Human Services	258	234	216	361	315	277
9. Information Technology	61	81	53	81	77	71
10. Law, Public Safety, Corrections, and Security	127	147	150	213	174	162
11. Manufacturing	265	237	246	267	281	259
12. Science, Technology, Engineering, and Mathematics	220	218	221	232	198	218
13. Transportation, Distribution, and Logistics	226	201	187	168	172	191
14. CTE Dual Credit Multi-Category*	-	-	-	35	88	62

Table A3.1.16: Enrollment of K-12 CTE Participants at Mississippi Public University;
 Number of K-12 CTE Participants Who Graduated K-12 and Subsequently Enrolled in;
 Mississippi Public University within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	1,524	1,469	1,503	1,781	1,921	1,640
Gender						
Female	954	951	991	1,146	1,216	1,052
Male	570	518	512	635	705	588
Race						
Black	861	781	774	920	1,000	867
White	609	616	637	764	813	688
Other	54	72	92	97	108	85
Race & Gender						
Black, Female	590	557	549	637	685	604
Black, Male	271	224	225	283	315	264
White, Female	335	361	384	450	469	400
White, Male	274	255	253	314	344	288
Other, Female	29	33	58	59	62	48
Other, Male	25	39	34	38	46	36
Other Demographics						
1. Economically Disadvantaged	407	328	432	534	752	491
2. Children with Disabilities	12	<10	<10	13	38	16
3. English learner	<10	<10	<10	10	11	<10
4. Homeless	10	<10	14	14	15	12
Ecosystem of School						
Ecosystem 1	32	57	60	42	65	51
Ecosystem 2	194	205	194	222	237	210
Ecosystem 3	179	114	114	148	153	142
Ecosystem 4	142	171	157	166	225	172
Ecosystem 5	389	319	361	498	547	423
Ecosystem 6	142	139	147	182	182	158
Ecosystem 7	120	99	110	90	96	103
Ecosystem 8	326	365	360	433	416	380
WIOA Region of School						
Delta	211	171	174	190	218	193
MS Partnership	336	376	351	388	462	383
South Central	509	418	471	588	643	526

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	468	504	507	615	598	538
Major						
Agriculture and Life Sciences	295	307	310	322	363	319
Architecture, Art, and Design	<10	12	15	11	23	14
Arts and Sciences	369	363	367	438	404	388
Business	155	143	157	190	235	176
Education	344	334	361	375	456	374
Engineering	236	202	212	318	287	251
Fine Arts	55	59	38	61	67	56
Legal Studies	56	48	43	59	80	57
Production	<10	<10	<10	<10	<10	<10
Undeclared	<10	<10	<10	<10	<10	<10
CTE Clusters						
1. Agriculture, Food, and Natural Resources	147	142	141	173	166	154
2. Architecture and Construction	100	74	76	102	101	91
3. Arts, A/V Technology, and Communications	99	116	102	119	131	113
4. Business, Marketing, and Finance	213	203	190	195	161	192
5. Education and Training	81	80	104	118	182	113
6. Health Science	511	499	555	606	693	573
7. Hospitality and Tourism	92	106	102	133	164	119
8. Human Services	77	84	83	130	149	105
9. Information Technology	29	37	58	85	69	56
10. Law, Public Safety, Corrections, and Security	68	63	54	85	114	77
11. Manufacturing	31	34	26	48	45	37
12. Science, Technology, Engineering, and Mathematics	177	157	153	216	227	186
13. Transportation, Distribution, and Logistics	60	50	30	37	53	46
14. CTE Dual Credit Multi-Category*	-	-	-	15	32	24

Table A3.1.17: Enrollment of K-12 CTE Concentrators at Mississippi Public University;
 Number of K-12 CTE Concentrators Who Graduated K-12 and Subsequently Enrolled
 in; Mississippi Public University within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	1,002	946	996	1,175	1,336	1,091
Gender						
Female	625	631	661	780	883	716
Male	377	315	335	395	453	375
Race						
Black	541	531	498	646	716	586
White	417	372	430	464	547	446
Other	44	43	68	65	73	59
Race & Gender						
Black, Female	372	381	355	457	507	414
Black, Male	169	150	143	189	209	172
White, Female	230	228	263	280	334	267
White, Male	187	144	167	184	213	179
Other, Female	23	22	43	43	42	35
Other, Male	21	21	25	22	31	24
Other Demographics						
1. Economically Disadvantaged	259	224	276	367	501	325
2. Children with Disabilities	<10	<10	<10	10	29	12
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	10	<10	<10	13	12	<10
Ecosystem of School						
Ecosystem 1	23	37	41	31	50	36
Ecosystem 2	117	100	101	113	127	112
Ecosystem 3	94	72	74	100	91	86
Ecosystem 4	90	104	105	108	165	114
Ecosystem 5	256	204	243	361	410	295
Ecosystem 6	106	103	100	116	119	109
Ecosystem 7	76	73	75	63	68	71
Ecosystem 8	240	253	257	283	306	268
WIOA Region of School						
Delta	117	109	115	131	141	123
MS Partnership	207	204	206	221	292	226
South Central	332	277	318	424	478	366

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	346	356	357	399	425	377
Major						
Agriculture and Life Sciences	199	206	216	234	282	227
Architecture, Art, and Design	<10	<10	<10	<10	19	<10
Arts and Sciences	239	229	245	265	258	247
Business	98	84	88	112	149	106
Education	232	230	243	271	341	263
Engineering	160	124	144	206	185	164
Fine Arts	33	37	28	35	45	36
Legal Studies	34	28	23	39	53	35
Production	<10	<10	<10	<10	<10	<10
Undeclared	<10	<10	<10	<10	<10	<10
CTE Clusters						
1. Agriculture, Food, and Natural Resources	88	64	51	61	58	64
2. Architecture and Construction	47	49	42	70	68	55
3. Arts, A/V Technology, and Communications	56	55	58	56	75	60
4. Business, Marketing, and Finance	113	102	96	96	96	101
5. Education and Training	52	48	67	62	105	67
6. Health Science	391	369	421	421	512	423
7. Hospitality and Tourism	49	61	54	69	104	67
8. Human Services	40	43	57	108	113	72
9. Information Technology	21	18	21	24	24	22
10. Law, Public Safety, Corrections, and Security	29	37	24	46	50	37
11. Manufacturing	19	14	18	32	27	22
12. Science, Technology, Engineering, and Mathematics	107	89	97	145	138	115
13. Transportation, Distribution, and Logistics	28	26	19	22	27	24
14. CTE Dual Credit Multi-Category*	-	-	-	<10	13	10

Table A3.1.18: College Retention of K-12 CTE Participants; Number of K-12 CTE Participants Who Enrolled in Community College After K-12; Graduation and Then Continued to Be Enrolled in the; Subsequent Fall Semester of the Second Academic Year

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	4,131	3,818	3,618	3,874	4,042	3,897
Gender						
Female	2,446	2,311	2,141	2,269	2,349	2,303
Male	1,685	1,507	1,477	1,605	1,693	1,593
Race						
Black	1,924	1,730	1,603	1,629	1,632	1,704
White	2,046	1,920	1,825	2,012	2,110	1,983
Other	161	168	190	233	300	210
Race & Gender						
Black, Female	1,259	1,136	1,044	1,030	1,002	1,094
Black, Male	665	594	559	599	630	609
White, Female	1,094	1,075	980	1,109	1,171	1,086
White, Male	952	845	845	903	939	897
Other, Female	93	100	117	130	176	123
Other, Male	68	68	73	103	124	87
Other Demographics						
1. Economically Disadvantaged	1,037	1,105	1,300	1,297	1,555	1,259
2. Children with Disabilities	61	80	108	103	133	97
3. English learner	22	26	20	48	67	37
4. Homeless	23	16	30	34	26	26
Ecosystem of School						
Ecosystem 1	144	131	121	109	139	129
Ecosystem 2	732	667	601	715	800	703
Ecosystem 3	275	214	169	175	163	199
Ecosystem 4	484	493	421	494	541	487
Ecosystem 5	586	533	530	554	528	546
Ecosystem 6	617	539	553	600	635	589
Ecosystem 7	373	315	316	333	312	330
Ecosystem 8	920	926	907	894	924	914
WIOA Region of School						
Delta	419	345	290	284	302	328
MS Partnership	1,216	1,160	1,022	1,209	1,341	1,190

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	959	848	846	887	840	876
Twin Districts	1,537	1,465	1,460	1,494	1,559	1,503
CTE Clusters						
1. Agriculture, Food, and Natural Resources	793	734	690	748	743	742
2. Architecture and Construction	359	305	273	302	324	313
3. Arts, A/V Technology, and Communications	213	186	201	183	212	199
4. Business, Marketing, and Finance	513	395	339	340	353	388
5. Education and Training	291	291	242	287	338	290
6. Health Science	1,027	1,093	1,052	1,089	1,081	1,068
7. Hospitality and Tourism	291	287	288	254	343	293
8. Human Services	252	220	200	289	266	245
9. Information Technology	80	90	77	112	113	94
10. Law, Public Safety, Corrections, and Security	180	161	149	210	218	184
11. Manufacturing	206	177	185	218	257	209
12. Science, Technology, Engineering, and Mathematics	268	232	254	250	247	250
13. Transportation, Distribution, and Logistics	239	190	194	148	189	192
14. CTE Dual Credit Multi-Category*	-	-	-	42	75	59

Table A3.1.19: College Retention of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Enrolled in Community College After K-12; Graduation and Then Continued to Be Enrolled in the; Subsequent Fall Semester of the Second Academic Year

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	2,818	2,522	2,522	2,722	2,801	2,677
Gender						
Female	1,731	1,566	1,545	1,612	1,658	1,622
Male	1,087	956	977	1,110	1,143	1,055
Race						
Black	1,293	1,113	1,091	1,136	1,093	1,145
White	1,423	1,297	1,296	1,432	1,506	1,391
Other	102	112	135	154	202	141
Race & Gender						
Black, Female	893	755	742	726	675	758
Black, Male	400	358	349	410	418	387
White, Female	773	745	714	801	852	777
White, Male	650	552	582	631	654	614
Other, Female	65	66	89	85	131	87
Other, Male	37	46	46	69	71	54
Other Demographics						
1. Economically Disadvantaged	700	730	918	951	1,058	871
2. Children with Disabilities	42	56	66	72	91	65
3. English learner	10	17	18	29	43	23
4. Homeless	16	12	23	24	20	19
Ecosystem of School						
Ecosystem 1	85	75	81	82	97	84
Ecosystem 2	459	403	339	419	491	422
Ecosystem 3	174	145	115	130	103	133
Ecosystem 4	291	286	306	338	351	314
Ecosystem 5	373	331	347	399	364	363
Ecosystem 6	435	364	370	432	444	409
Ecosystem 7	255	215	237	229	205	228
Ecosystem 8	746	703	727	693	746	723
WIOA Region of School						
Delta	259	220	196	212	200	217
MS Partnership	750	689	645	757	842	737

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	628	546	584	628	569	591
Twin Districts	1,181	1,067	1,097	1,125	1,190	1,132
CTE Clusters						
1. Agriculture, Food, and Natural Resources	409	315	300	282	279	317
2. Architecture and Construction	219	178	178	214	211	200
3. Arts, A/V Technology, and Communications	121	100	120	103	121	113
4. Business, Marketing, and Finance	304	214	187	191	222	224
5. Education and Training	199	199	166	212	209	197
6. Health Science	775	792	807	799	820	799
7. Hospitality and Tourism	183	151	175	158	206	175
8. Human Services	173	143	143	238	213	182
9. Information Technology	46	56	37	58	59	51
10. Law, Public Safety, Corrections, and Security	89	89	92	135	113	104
11. Manufacturing	132	124	129	154	176	143
12. Science, Technology, Engineering, and Mathematics	156	145	161	160	144	153
13. Transportation, Distribution, and Logistics	120	102	122	100	113	111
14. CTE Dual Credit Multi-Category*	-	-	-	18	46	32

Table A3.1.20: University Retention of K-12 CTE Participants; Number of K-12 CTE Participants Who Enrolled in Public University After K-12; Graduation and Then Continued to Be Enrolled in the; Subsequent Fall Semester of the Second Academic Year

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	1,171	1,075	1,145	1,385	1,477	1,251
Gender						
Female	752	699	758	890	931	806
Male	419	376	387	495	546	445
Race						
Black	632	538	552	663	713	620
White	496	478	516	636	672	560
Other	43	59	77	86	92	71
Race & Gender						
Black, Female	449	390	393	459	491	436
Black, Male	183	148	159	204	222	183
White, Female	281	281	316	379	391	330
White, Male	215	197	200	257	281	230
Other, Female	22	28	49	52	49	40
Other, Male	21	31	28	34	43	31
Other Demographics						
1. Economically Disadvantaged	300	232	300	391	542	353
2. Children with Disabilities	12	<10	<10	10	22	11
3. English learner	<10	<10	<10	10	10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	21	43	43	31	47	37
Ecosystem 2	164	166	159	178	198	173
Ecosystem 3	113	75	76	101	100	93
Ecosystem 4	114	107	115	121	169	125
Ecosystem 5	315	253	278	412	440	340
Ecosystem 6	111	97	111	129	134	116
Ecosystem 7	90	67	90	69	69	77
Ecosystem 8	243	267	273	344	320	289
WIOA Region of School						
Delta	134	118	119	132	147	130
MS Partnership	278	273	274	299	367	298

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	405	320	368	481	509	417
Twin Districts	354	364	384	473	454	406
CTE Clusters						
1. Agriculture, Food, and Natural Resources	120	95	108	133	122	116
2. Architecture and Construction	64	45	53	79	70	62
3. Arts, A/V Technology, and Communications	78	93	73	87	99	86
4. Business, Marketing, and Finance	158	151	142	148	131	146
5. Education and Training	63	49	79	88	138	83
6. Health Science	425	396	443	506	555	465
7. Hospitality and Tourism	64	74	70	95	118	84
8. Human Services	53	56	63	97	112	76
9. Information Technology	26	27	46	68	57	45
10. Law, Public Safety, Corrections, and Security	51	40	40	66	78	55
11. Manufacturing	23	24	13	36	28	25
12. Science, Technology, Engineering, and Mathematics	131	110	120	175	191	145
13. Transportation, Distribution, and Logistics	35	32	22	26	35	30
14. CTE Dual Credit Multi-Category*	-	-	-	12	23	18

Table A3.1.21: University Retention of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Enrolled in Public University After K-12; Graduation and Then Continued to Be Enrolled in the; Subsequent Fall Semester of the Second Academic Year

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	784	697	758	922	1,031	838
Gender						
Female	501	471	506	618	687	557
Male	283	226	252	304	344	282
Race						
Black	408	375	356	475	517	426
White	343	287	345	390	450	363
Other	33	35	57	57	64	49
Race & Gender						
Black, Female	288	273	256	339	370	305
Black, Male	120	102	100	136	147	121
White, Female	197	179	214	242	282	223
White, Male	146	108	131	148	168	140
Other, Female	16	19	36	37	35	29
Other, Male	17	16	21	20	29	21
Other Demographics						
1. Economically Disadvantaged	191	159	186	273	367	235
2. Children with Disabilities	<10	<10	<10	<10	16	<10
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	15	28	30	22	39	27
Ecosystem 2	103	83	83	92	105	93
Ecosystem 3	59	53	49	69	62	58
Ecosystem 4	73	63	76	79	124	83
Ecosystem 5	215	161	189	306	327	240
Ecosystem 6	84	73	76	80	88	80
Ecosystem 7	57	49	60	51	50	53
Ecosystem 8	178	187	195	223	236	204
WIOA Region of School						
Delta	74	81	79	91	101	85
MS Partnership	176	146	159	171	229	176

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
South Central	272	210	249	357	377	293
Twin Districts	262	260	271	303	324	284
CTE Clusters						
1. Agriculture, Food, and Natural Resources	77	48	37	47	45	51
2. Architecture and Construction	30	27	29	54	45	37
3. Arts, A/V Technology, and Communications	45	46	39	42	55	45
4. Business, Marketing, and Finance	82	73	70	67	76	74
5. Education and Training	41	28	54	48	72	49
6. Health Science	326	298	338	353	416	346
7. Hospitality and Tourism	32	43	37	49	73	47
8. Human Services	26	30	40	83	86	53
9. Information Technology	18	12	16	21	22	18
10. Law, Public Safety, Corrections, and Security	23	24	20	36	37	28
11. Manufacturing	12	10	11	24	16	15
12. Science, Technology, Engineering, and Mathematics	83	62	78	116	120	92
13. Transportation, Distribution, and Logistics	19	17	12	14	16	16
14. CTE Dual Credit Multi-Category*	-	-	-	<10	10	<10

Table A3.1.22: College Alignment of K-12 CTE Participants; Number of K-12 CTE Participants Who Enrolled in a Mississippi Community College After K-12; Graduation and Subsequently Declare a Major That Is Aligned with Their K-12 CTE Cluster

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	531	514	394	439	430	462
Gender						
Female	162	178	108	125	127	140
Male	369	336	286	314	303	322
Race						
Black	241	233	167	173	179	199
White	274	255	208	235	223	239
Other	16	26	19	31	28	24
Race & Gender						
Black, Female	97	111	54	60	68	78
Black, Male	144	122	113	113	111	121
White, Female	58	60	47	55	50	54
White, Male	216	195	161	180	173	185
Other, Female	<10	<10	<10	10	<10	<10
Other, Male	<10	19	12	21	19	16
Other Demographics						
1. Economically Disadvantaged	136	154	163	162	187	160
2. Children with Disabilities	16	18	28	29	31	24
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	14	12	10	13	12	12
Ecosystem 2	74	72	66	75	92	76
Ecosystem 3	24	33	22	18	28	25
Ecosystem 4	54	56	55	44	58	53
Ecosystem 5	74	60	46	59	40	56
Ecosystem 6	81	90	68	80	66	77
Ecosystem 7	55	32	29	28	35	36
Ecosystem 8	155	159	98	122	99	127
WIOA Region of School						
Delta	38	45	32	31	40	37
MS Partnership	128	128	121	119	150	129
South Central	129	92	75	87	75	92

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	236	249	166	202	165	204
CTE Clusters						
1. Agriculture, Food, and Natural Resources	17	19	14	12	15	15
2. Architecture and Construction	102	91	88	87	70	88
3. Arts, A/V Technology, and Communications	28	21	19	11	12	18
4. Business, Marketing, and Finance	44	40	21	30	28	33
5. Education and Training	<10	<10	<10	<10	<10	<10
6. Health Science	45	62	18	32	35	38
7. Hospitality and Tourism	38	29	31	28	32	32
8. Human Services	40	42	28	30	28	34
9. Information Technology	<10	24	11	20	27	18
10. Law, Public Safety, Corrections, and Security	<10	<10	<10	<10	<10	<10
11. Manufacturing	123	111	96	120	120	114
12. Science, Technology, Engineering, and Mathematics	<10	<10	<10	<10	<10	<10
13. Transportation, Distribution, and Logistics	82	65	61	64	56	66
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.23: College Alignment of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Enrolled in a Mississippi Community College After K-12; Graduation and Subsequently Declare a Major That Is Aligned with Their K-12 CTE Cluster

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	413	378	304	346	333	355
Gender						
Female	130	127	83	103	100	109
Male	283	251	221	243	233	246
Race						
Black	172	165	127	127	143	147
White	226	195	160	192	169	188
Other	15	18	17	27	21	20
Race & Gender						
Black, Female	77	77	41	49	55	60
Black, Male	95	88	86	78	88	87
White, Female	46	43	36	45	37	41
White, Male	180	152	124	147	132	147
Other, Female	<10	<10	<10	<10	<10	<10
Other, Male	<10	11	11	18	13	12
Other Demographics						
1. Economically Disadvantaged	108	109	126	131	149	125
2. Children with Disabilities	15	17	23	23	26	21
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	10	<10	<10	10	<10
Ecosystem 2	57	57	41	57	72	57
Ecosystem 3	18	22	15	17	22	19
Ecosystem 4	32	42	38	37	34	37
Ecosystem 5	52	37	37	47	30	41
Ecosystem 6	63	60	54	63	51	58
Ecosystem 7	42	24	25	21	32	29
Ecosystem 8	141	126	86	99	82	107
WIOA Region of School						
Delta	26	32	23	22	32	27
MS Partnership	89	99	79	94	106	93
South Central	94	61	62	68	62	69

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	204	186	140	162	133	165
CTE Clusters						
1. Agriculture, Food, and Natural Resources	15	<10	<10	<10	10	<10
2. Architecture and Construction	82	66	66	69	57	68
3. Arts, A/V Technology, and Communications	24	16	17	11	<10	15
4. Business, Marketing, and Finance	37	35	15	18	23	26
5. Education and Training	<10	<10	<10	<10	<10	<10
6. Health Science	27	36	14	27	29	27
7. Hospitality and Tourism	33	24	25	25	26	27
8. Human Services	34	34	21	28	23	28
9. Information Technology	<10	22	<10	16	18	14
10. Law, Public Safety, Corrections, and Security	<10	<10	<10	<10	<10	<10
11. Manufacturing	94	88	81	93	92	90
12. Science, Technology, Engineering, and Mathematics	<10	<10	<10	<10	<10	<10
13. Transportation, Distribution, and Logistics	59	44	46	49	40	48
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.24: University Alignment of K-12 CTE Participants; Number of K-12 CTE Participants Who Enrolled in a Mississippi Public University After K-12; Graduation and Subsequently Declare a Major That Is Aligned with Their K-12 CTE Cluster

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	424	409	420	502	542	459
Gender						
Female	237	245	265	292	335	275
Male	187	164	155	210	207	185
Race						
Black	213	202	177	218	248	212
White	189	182	210	252	260	219
Other	22	25	33	32	34	29
Race & Gender						
Black, Female	141	140	130	148	179	148
Black, Male	72	62	47	70	69	64
White, Female	88	92	118	129	137	113
White, Male	101	90	92	123	123	106
Other, Female	<10	13	17	15	19	14
Other, Male	14	12	16	17	15	15
Other Demographics						
1. Economically Disadvantaged	106	90	125	111	193	125
2. Children with Disabilities	<10	<10	<10	<10	<10	<10
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	10	<10	10	<10	<10
Ecosystem 2	50	57	66	53	74	60
Ecosystem 3	34	18	15	30	24	24
Ecosystem 4	44	49	48	42	55	48
Ecosystem 5	101	93	94	152	173	123
Ecosystem 6	36	43	35	49	50	43
Ecosystem 7	30	20	31	21	22	25
Ecosystem 8	125	119	122	145	135	129
WIOA Region of School						
Delta	38	28	24	40	33	33
MS Partnership	94	106	114	95	129	108
South Central	131	113	125	173	195	147

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	161	162	157	194	185	172
CTE Clusters						
1. Agriculture, Food, and Natural Resources	26	18	16	20	26	21
2. Architecture and Construction	11	15	12	20	12	14
3. Arts, A/V Technology, and Communications	17	19	17	14	12	16
4. Business, Marketing, and Finance	45	46	46	46	43	45
5. Education and Training	29	24	27	34	55	34
6. Health Science	133	138	154	139	167	146
7. Hospitality and Tourism	13	19	<10	15	23	16
8. Human Services	<10	<10	<10	13	12	10
9. Information Technology	16	20	26	49	43	31
10. Law, Public Safety, Corrections, and Security	<10	11	12	17	17	13
11. Manufacturing	<10	<10	<10	<10	<10	<10
12. Science, Technology, Engineering, and Mathematics	111	85	94	130	122	108
13. Transportation, Distribution, and Logistics	<10	<10	<10	<10	<10	<10
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.25: University Alignment of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Enrolled in a Mississippi Public University After K-12; Graduation and Subsequently Declare a Major That Is Aligned with Their K-12 CTE Cluster

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	318	297	297	345	380	327
Gender						
Female	176	189	190	213	249	203
Male	142	108	107	132	131	124
Race						
Black	155	153	119	155	171	151
White	146	124	152	168	183	155
Other	17	20	26	22	26	22
Race & Gender						
Black, Female	103	108	88	108	126	107
Black, Male	52	45	31	47	45	44
White, Female	67	70	88	91	106	84
White, Male	79	54	64	77	77	70
Other, Female	<10	11	14	14	17	12
Other, Male	11	<10	12	<10	<10	10
Other Demographics						
1. Economically Disadvantaged	80	72	76	80	130	88
2. Children with Disabilities	<10	<10	<10	<10	<10	<10
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	<10	<10	<10	<10	<10	<10
Ecosystem 2	37	32	36	32	44	36
Ecosystem 3	24	14	10	18	12	16
Ecosystem 4	32	39	37	30	41	36
Ecosystem 5	72	63	72	110	123	88
Ecosystem 6	29	37	27	34	38	33
Ecosystem 7	20	15	17	12	13	15
Ecosystem 8	101	89	94	100	102	97
WIOA Region of School						
Delta	27	22	14	27	19	22
MS Partnership	69	71	73	62	85	72
South Central	92	78	89	122	136	103

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	130	126	121	134	140	130
CTE Clusters						
1. Agriculture, Food, and Natural Resources	21	13	<10	10	15	13
2. Architecture and Construction	<10	12	<10	16	10	11
3. Arts, A/V Technology, and Communications	14	10	11	<10	<10	10
4. Business, Marketing, and Finance	30	29	24	21	30	27
5. Education and Training	22	20	21	21	32	23
6. Health Science	113	118	125	116	146	124
7. Hospitality and Tourism	10	14	<10	11	15	11
8. Human Services	<10	<10	<10	11	<10	<10
9. Information Technology	10	12	14	16	16	14
10. Law, Public Safety, Corrections, and Security	<10	10	<10	12	13	<10
11. Manufacturing	<10	<10	<10	<10	<10	<10
12. Science, Technology, Engineering, and Mathematics	78	51	66	96	81	74
13. Transportation, Distribution, and Logistics	<10	<10	<10	<10	<10	<10
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.26: Employment of K-12 CTE Participants; Number of K-12 CTE Participants Employed within One Year of K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	2,971	3,781	3,862	3,847	3,677	3,628
Gender						
Female	1,150	1,542	1,648	1,617	1,490	1,489
Male	1,821	2,239	2,214	2,230	2,187	2,138
Race						
Black	1,419	1,992	2,015	1,971	1,772	1,834
White	1,425	1,639	1,663	1,676	1,682	1,617
Other	127	150	184	200	223	177
Race & Gender						
Black, Female	638	923	956	922	814	851
Black, Male	781	1,069	1,059	1,049	958	983
White, Female	454	557	616	609	578	563
White, Male	971	1,082	1,047	1,067	1,104	1,054
Other, Female	58	62	76	86	98	76
Other, Male	69	88	108	114	125	101
Other Demographics						
1. Economically Disadvantaged	772	1,217	1,469	1,401	1,477	1,267
2. Children with Disabilities	111	153	209	197	246	183
3. English learner	23	31	45	57	48	41
4. Homeless	25	49	43	33	35	37
Ecosystem of School						
Ecosystem 1	116	149	162	116	129	134
Ecosystem 2	605	727	658	652	648	658
Ecosystem 3	148	211	284	266	168	215
Ecosystem 4	332	438	421	448	436	415
Ecosystem 5	385	566	578	729	665	585
Ecosystem 6	483	545	535	517	549	526
Ecosystem 7	221	292	333	294	247	277
Ecosystem 8	681	853	891	825	835	817
WIOA Region of School						
Delta	264	360	446	382	297	350
MS Partnership	937	1,165	1,079	1,100	1,084	1,073
South Central	606	858	911	1,023	912	862
Twin Districts	1,164	1,398	1,426	1,342	1,384	1,343

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Industry						
Accommodation/Leisure	922	1,150	1,183	1,111	1,135	1,100
Administrative and Waste Services	360	428	393	358	245	357
Construction	178	194	194	234	242	208
Educational Services	26	16	22	25	34	25
Financial Activities	19	14	22	32	18	21
Health Care and Social Assistance	111	141	146	161	165	145
Information	<10	10	17	24	13	15
Management of Companies and Enterprises	32	<10	12	11	14	14
Manufacturing	367	523	513	494	454	470
Natural Resources	32	28	37	23	32	30
Other Services (except Public Administration)	51	68	67	92	97	75
Professional, Scientific, and Technical Services	24	30	41	48	52	39
Public Administration	61	54	53	57	83	62
Transportation and Warehousing	55	124	120	167	129	119
Utilities	<10	<10	<10	11	13	<10
Wholesale/Retail Trade	707	990	1,031	996	948	934
Industry not reported	13	<10	<10	<10	<10	<10
CTE Clusters						
1. Agriculture, Food, and Natural Resources	607	793	770	723	752	729
2. Architecture and Construction	387	510	470	458	467	458
3. Arts, A/V Technology, and Communications	126	135	190	194	183	166
4. Business, Marketing, and Finance	284	359	340	316	249	310
5. Education and Training	146	180	224	198	210	192
6. Health Science	373	438	491	500	511	463
7. Hospitality and Tourism	236	325	306	319	303	298
8. Human Services	144	236	227	302	248	231
9. Information Technology	53	51	66	83	78	66
10. Law, Public Safety, Corrections, and Security	157	184	208	247	250	209
11. Manufacturing	383	488	494	518	489	474
12. Science, Technology, Engineering, and Mathematics	149	203	211	223	210	199
13. Transportation, Distribution, and Logistics	385	444	383	377	359	390
14. CTE Dual Credit Multi-Category*	-	-	-	75	138	107

Table A3.1.27: Employment of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Employed within One Year of K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	1,878	2,321	2,417	2,417	2,321	2,271
Gender						
Female	691	935	1,018	983	910	907
Male	1,187	1,386	1,399	1,434	1,411	1,363
Race						
Black	829	1,160	1,212	1,197	1,048	1,089
White	963	1,071	1,097	1,102	1,128	1,072
Other	86	90	108	118	145	109
Race & Gender						
Black, Female	378	550	581	559	487	511
Black, Male	451	610	631	638	561	578
White, Female	275	345	392	370	366	350
White, Male	688	726	705	732	762	723
Other, Female	38	40	45	54	57	47
Other, Male	48	50	63	64	88	63
Other Demographics						
1. Economically Disadvantaged	476	756	924	899	905	792
2. Children with Disabilities	71	80	133	110	147	108
3. English learner	16	21	27	26	33	25
4. Homeless	17	29	24	15	20	21
Ecosystem of School						
Ecosystem 1	71	73	102	74	78	80
Ecosystem 2	385	396	356	385	348	374
Ecosystem 3	94	136	194	165	81	134
Ecosystem 4	189	254	233	245	259	236
Ecosystem 5	226	372	379	484	465	385
Ecosystem 6	311	330	332	327	350	330
Ecosystem 7	127	179	230	196	151	177
Ecosystem 8	475	581	591	541	589	555
WIOA Region of School						
Delta	165	209	296	239	159	214
MS Partnership	574	650	589	630	607	610
South Central	353	551	609	680	616	562
Twin Districts	786	911	923	868	939	885

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Industry						
Accommodation/Leisure	556	699	733	693	722	681
Administrative and Waste Services	211	261	222	210	144	210
Construction	128	116	130	152	164	138
Educational Services	17	<10	17	14	20	15
Financial Activities	10	10	16	22	<10	13
Health Care and Social Assistance	68	86	96	92	95	87
Information	<10	<10	12	18	<10	11
Management of Companies and Enterprises	11	<10	<10	<10	<10	<10
Manufacturing	238	317	312	296	297	292
Natural Resources	27	11	24	14	22	20
Other Services (except Public Administration)	40	46	37	65	56	49
Professional, Scientific, and Technical Services	14	23	27	37	38	28
Public Administration	48	36	36	44	54	44
Transportation and Warehousing	28	68	86	103	80	73
Utilities	<10	<10	<10	<10	<10	<10
Wholesale/Retail Trade	464	625	654	642	592	595
Industry not reported	<10	<10	<10	<10	<10	<10
CTE Clusters						
1. Agriculture, Food, and Natural Resources	315	344	323	292	305	316
2. Architecture and Construction	245	322	292	293	258	282
3. Arts, A/V Technology, and Communications	71	75	103	100	96	89
4. Business, Marketing, and Finance	139	198	178	147	136	160
5. Education and Training	85	121	145	110	118	116
6. Health Science	227	272	320	287	302	282
7. Hospitality and Tourism	145	175	166	167	167	164
8. Human Services	95	143	153	232	186	162
9. Information Technology	28	29	26	31	29	29
10. Law, Public Safety, Corrections, and Security	63	93	114	151	132	111
11. Manufacturing	259	297	325	332	313	305
12. Science, Technology, Engineering, and Mathematics	56	84	95	101	113	90
13. Transportation, Distribution, and Logistics	225	247	241	233	217	233
14. CTE Dual Credit Multi-Category*	-	-	-	44	89	67

Table A3.1.28: Median Annual Earnings of Employed K-12 CTE Participants; Earnings of K-12 CTE Participants Who Are Employed within One Year of K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	\$11,965	\$13,010	\$14,534	\$15,338	\$16,274	\$14,208
Gender						
Female	\$9,902	\$10,067	\$12,474	\$11,740	\$12,580	\$11,418
Male	\$14,103	\$15,498	\$17,575	\$18,772	\$20,643	\$17,177
Race						
Black	\$10,354	\$11,135	\$12,820	\$13,456	\$13,507	\$12,197
White	\$13,930	\$15,789	\$17,388	\$17,631	\$18,721	\$16,640
Other	\$12,052	\$15,734	\$18,722	\$17,880	\$18,384	\$17,050
Race & Gender						
Black, Female	\$9,802	\$9,656	\$12,148	\$11,602	\$11,875	\$11,048
Black, Male	\$11,031	\$12,384	\$13,855	\$15,345	\$15,742	\$13,569
White, Female	\$9,739	\$10,676	\$12,618	\$11,719	\$12,942	\$11,689
White, Male	\$16,489	\$18,711	\$21,439	\$23,993	\$24,504	\$20,842
Other, Female	\$11,347	\$12,454	\$14,477	\$16,844	\$14,409	\$13,845
Other, Male	\$12,995	\$21,361	\$23,673	\$19,233	\$20,820	\$20,194
Other Demographics						
1. Economically Disadvantaged	\$11,669	\$11,884	\$14,665	\$14,865	\$16,073	\$13,988
2. Children with Disabilities	\$13,828	\$15,795	\$13,846	\$15,869	\$17,608	\$15,468
3. English learner	\$15,857	\$14,303	\$26,707	\$19,648	\$20,989	\$19,648
4. Homeless	\$9,116	\$11,548	\$16,999	\$15,134	\$17,518	\$13,554
Ecosystem of School						
Ecosystem 1	\$11,191	\$11,507	\$13,105	\$13,316	\$18,200	\$12,828
Ecosystem 2	\$12,011	\$14,293	\$17,690	\$18,050	\$18,429	\$16,185
Ecosystem 3	\$8,114	\$9,399	\$11,512	\$11,799	\$13,903	\$10,804
Ecosystem 4	\$11,772	\$12,831	\$15,002	\$15,002	\$17,382	\$14,398
Ecosystem 5	\$11,561	\$11,692	\$14,206	\$15,225	\$14,266	\$13,565
Ecosystem 6	\$13,055	\$14,161	\$14,175	\$15,915	\$17,232	\$14,919
Ecosystem 7	\$11,669	\$12,566	\$13,793	\$13,723	\$13,706	\$13,203
Ecosystem 8	\$12,539	\$13,214	\$14,621	\$15,493	\$16,589	\$14,527
WIOA Region of School						
Delta	\$9,064	\$9,857	\$12,182	\$12,425	\$14,900	\$11,573
MS Partnership	\$11,950	\$13,740	\$16,750	\$16,995	\$17,868	\$15,429
South Central	\$11,569	\$12,048	\$14,081	\$14,510	\$13,875	\$13,437
Twin Districts	\$12,578	\$13,532	\$14,553	\$15,709	\$16,823	\$14,665

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Industry						
Accommodation/Leisure	\$9,346	\$9,758	\$12,039	\$12,004	\$11,865	\$10,975
Administrative and Waste Services	\$9,497	\$12,754	\$14,039	\$16,201	\$15,864	\$13,155
Construction	\$23,864	\$22,675	\$27,597	\$32,642	\$33,378	\$28,320
Educational Services	\$6,714	\$9,297	\$18,986	\$17,911	\$12,127	\$15,010
Financial Activities	\$15,827	\$15,485	\$15,407	\$25,468	\$17,768	\$18,351
Health Care and Social Assistance	\$12,110	\$11,607	\$12,139	\$15,194	\$15,447	\$13,132
Information	---	\$8,619	\$6,717	\$13,032	\$14,104	\$10,404
Management of Companies and Enterprises	\$9,344	---	\$10,724	\$14,499	\$12,028	\$9,556
Manufacturing	\$19,768	\$21,720	\$23,428	\$23,868	\$27,461	\$23,448
Natural Resources	\$17,875	\$17,610	\$28,694	\$40,311	\$23,992	\$25,230
Other Services (except Public Administration)	\$16,198	\$17,640	\$20,299	\$20,503	\$22,315	\$19,589
Professional, Scientific, and Technical Services	\$12,723	\$15,605	\$17,972	\$10,387	\$14,320	\$14,257
Public Administration	\$13,907	\$19,021	\$23,932	\$26,646	\$24,998	\$22,338
Transportation and Warehousing	\$11,667	\$13,745	\$17,035	\$17,522	\$28,221	\$17,100
Utilities	---	---	---	\$34,640	\$25,943	---
Wholesale/Retail Trade	\$12,940	\$13,039	\$14,241	\$14,023	\$15,903	\$14,039
Industry not reported	\$16,000	---	---	---	---	---
CTE Clusters						
1. Agriculture, Food, and Natural Resources	\$14,208	\$15,679	\$17,726	\$19,199	\$20,643	\$17,547
2. Architecture and Construction	\$12,951	\$15,312	\$17,965	\$17,610	\$19,894	\$16,495
3. Arts, A/V Technology, and Communications	\$9,505	\$11,558	\$13,446	\$12,808	\$13,209	\$12,349
4. Business, Marketing, and Finance	\$11,076	\$10,597	\$13,295	\$13,339	\$14,263	\$12,506
5. Education and Training	\$8,482	\$9,847	\$11,761	\$11,586	\$12,488	\$11,123
6. Health Science	\$10,296	\$9,033	\$11,634	\$10,599	\$10,526	\$10,552
7. Hospitality and Tourism	\$11,561	\$11,082	\$12,988	\$13,709	\$13,146	\$12,290
8. Human Services	\$8,995	\$10,203	\$11,318	\$13,179	\$13,544	\$11,780
9. Information Technology	\$14,477	\$11,514	\$11,226	\$15,990	\$13,287	\$12,970
10. Law, Public Safety, Corrections, and Security	\$11,027	\$12,902	\$12,946	\$15,858	\$14,344	\$13,460
11. Manufacturing	\$15,162	\$17,369	\$19,719	\$21,250	\$24,761	\$19,719
12. Science, Technology, Engineering, and Mathematics	\$11,319	\$12,120	\$14,408	\$14,953	\$15,737	\$13,797
13. Transportation, Distribution, and Logistics	\$13,820	\$15,832	\$20,640	\$20,958	\$20,817	\$18,073
14. CTE Dual Credit Multi-Category*	-	-	-	\$17,911	\$19,746	\$19,440

Table A3.1.29: Median Annual Earnings of Employed K-12 CTE Concentrators;
Earnings of K-12 CTE Concentrators Who Are Employed within One Year of K-12
Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	\$12,751	\$13,564	\$14,926	\$15,848	\$16,776	\$14,782
Gender						
Female	\$11,013	\$10,278	\$12,341	\$11,928	\$12,600	\$11,652
Male	\$14,670	\$16,270	\$18,392	\$20,465	\$21,116	\$18,024
Race						
Black	\$11,087	\$11,357	\$12,755	\$13,909	\$13,604	\$12,508
White	\$15,142	\$16,650	\$17,802	\$18,608	\$20,024	\$17,379
Other	\$12,214	\$15,434	\$18,331	\$17,563	\$18,173	\$16,785
Race & Gender						
Black, Female	\$10,890	\$9,842	\$11,654	\$11,780	\$12,341	\$11,310
Black, Male	\$11,161	\$12,996	\$13,913	\$15,980	\$15,245	\$13,805
White, Female	\$10,999	\$11,268	\$12,728	\$11,632	\$12,693	\$11,918
White, Male	\$17,528	\$18,969	\$22,366	\$24,924	\$25,086	\$21,659
Other, Female	\$11,964	\$12,108	\$13,597	\$16,844	\$13,243	\$13,799
Other, Male	\$12,298	\$21,624	\$24,611	\$20,194	\$20,290	\$20,589
Other Demographics						
1. Economically Disadvantaged	\$13,203	\$12,831	\$15,651	\$15,083	\$16,408	\$14,773
2. Children with Disabilities	\$15,464	\$15,672	\$14,362	\$15,562	\$18,509	\$16,400
3. English learner	\$16,751	\$12,251	\$27,934	\$20,589	\$20,167	\$19,518
4. Homeless	\$11,573	\$12,084	\$16,355	\$15,531	\$17,314	\$13,554
Ecosystem of School						
Ecosystem 1	\$12,919	\$12,807	\$12,904	\$13,316	\$18,200	\$13,316
Ecosystem 2	\$13,593	\$16,131	\$18,265	\$18,255	\$20,893	\$17,052
Ecosystem 3	\$8,264	\$9,088	\$10,951	\$14,205	\$12,723	\$11,134
Ecosystem 4	\$13,965	\$15,519	\$16,595	\$15,946	\$18,169	\$15,911
Ecosystem 5	\$11,795	\$11,610	\$13,946	\$15,862	\$14,733	\$13,852
Ecosystem 6	\$14,075	\$13,560	\$16,177	\$17,323	\$17,063	\$15,647
Ecosystem 7	\$11,669	\$13,313	\$15,750	\$12,956	\$14,052	\$13,675
Ecosystem 8	\$13,829	\$14,242	\$14,752	\$15,858	\$16,815	\$15,179
WIOA Region of School						
Delta	\$10,426	\$9,842	\$11,687	\$14,096	\$13,903	\$11,994
MS Partnership	\$13,688	\$15,659	\$17,507	\$17,464	\$20,137	\$16,491
South Central	\$11,732	\$12,215	\$14,302	\$14,734	\$14,569	\$13,758

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	\$13,829	\$13,944	\$15,344	\$16,098	\$16,863	\$15,289
Industry						
Accommodation/Leisure	\$9,679	\$9,698	\$11,739	\$12,577	\$12,096	\$11,058
Administrative and Waste Services	\$10,252	\$13,339	\$13,430	\$17,448	\$18,678	\$13,783
Construction	\$26,885	\$22,729	\$28,269	\$34,723	\$33,648	\$29,018
Educational Services	\$29,380	---	\$10,808	\$28,351	\$7,936	\$17,960
Financial Activities	\$16,476	\$18,462	\$15,407	\$24,019	---	\$18,885
Health Care and Social Assistance	\$12,630	\$9,974	\$12,058	\$14,284	\$15,889	\$12,804
Information	---	---	\$8,702	\$10,396	---	\$10,404
Management of Companies and Enterprises	\$10,182	---	---	---	---	---
Manufacturing	\$22,123	\$24,138	\$25,548	\$26,850	\$28,823	\$25,326
Natural Resources	\$17,353	\$29,876	\$28,040	\$42,432	\$25,713	\$28,003
Other Services (except Public Administration)	\$16,999	\$18,128	\$23,289	\$21,586	\$21,078	\$19,953
Professional, Scientific, and Technical Services	\$14,151	\$16,320	\$20,302	\$10,622	\$16,044	\$15,605
Public Administration	\$13,907	\$22,391	\$23,000	\$31,690	\$23,760	\$22,991
Transportation and Warehousing	\$10,436	\$14,509	\$17,279	\$18,800	\$26,355	\$17,351
Utilities	---	---	---	---	---	---
Wholesale/Retail Trade	\$13,475	\$14,925	\$14,766	\$13,910	\$16,047	\$14,656
Industry not reported	---	---	---	---	---	---
CTE Clusters						
1. Agriculture, Food, and Natural Resources	\$16,672	\$16,952	\$20,026	\$20,503	\$21,303	\$18,894
2. Architecture and Construction	\$12,400	\$16,420	\$18,331	\$17,786	\$19,820	\$17,000
3. Arts, A/V Technology, and Communications	\$10,064	\$12,132	\$13,307	\$14,220	\$12,213	\$12,705
4. Business, Marketing, and Finance	\$12,684	\$11,303	\$12,981	\$11,895	\$16,041	\$13,018
5. Education and Training	\$11,367	\$9,077	\$10,812	\$11,729	\$15,068	\$11,381
6. Health Science	\$11,482	\$8,887	\$11,062	\$10,396	\$10,055	\$10,304
7. Hospitality and Tourism	\$11,876	\$11,629	\$12,755	\$14,077	\$12,454	\$12,454
8. Human Services	\$8,783	\$11,135	\$11,318	\$13,644	\$13,461	\$12,011
9. Information Technology	\$14,066	\$8,224	\$11,963	\$14,269	\$15,995	\$13,369
10. Law, Public Safety, Corrections, and Security	\$12,494	\$12,637	\$14,112	\$16,360	\$15,478	\$14,445
11. Manufacturing	\$16,023	\$17,622	\$21,356	\$23,820	\$25,641	\$20,834
12. Science, Technology, Engineering, and Mathematics	\$11,024	\$12,221	\$14,158	\$14,473	\$13,877	\$13,586
13. Transportation, Distribution, and Logistics	\$15,297	\$16,351	\$21,147	\$21,813	\$20,668	\$19,200

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
14. CTE Dual Credit Multi-Category*	-	-	-	\$21,006	\$20,587	\$20,587

Table A3.1.30: Workforce Alignment of K-12 CTE Participants; Number of K-12 CTE Participants Who Are Employed in an Aligned Industry; within One Year of K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	733	926	925	944	916	889
Gender						
Female	243	336	339	315	310	309
Male	490	590	586	629	606	580
Race						
Black	325	453	447	424	406	411
White	370	443	439	474	463	438
Other	38	30	39	46	47	40
Race & Gender						
Black, Female	127	192	195	176	174	173
Black, Male	198	261	252	248	232	238
White, Female	97	135	132	121	118	121
White, Male	273	308	307	353	345	317
Other, Female	19	<10	12	18	18	15
Other, Male	19	21	27	28	29	25
Other Demographics						
1. Economically Disadvantaged	183	302	356	326	367	307
2. Children with Disabilities	32	51	43	53	60	48
3. English learner	10	<10	10	16	14	12
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	27	32	35	26	24	29
Ecosystem 2	140	161	154	179	177	162
Ecosystem 3	37	45	48	46	36	42
Ecosystem 4	104	132	103	120	113	114
Ecosystem 5	91	138	141	156	150	135
Ecosystem 6	126	130	115	120	123	123
Ecosystem 7	38	56	72	73	53	58
Ecosystem 8	170	232	257	224	240	225
WIOA Region of School						
Delta	64	77	83	72	60	71
MS Partnership	244	293	257	299	290	277
South Central	129	194	213	229	203	194

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	296	362	372	344	363	347
CTE Clusters						
1. Agriculture, Food, and Natural Resources	86	103	96	97	123	101
2. Architecture and Construction	34	35	57	46	52	45
3. Arts, A/V Technology, and Communications	<10	<10	<10	<10	10	<10
4. Business, Marketing, and Finance	83	94	107	93	71	90
5. Education and Training	<10	<10	<10	<10	<10	<10
6. Health Science	31	44	43	45	49	42
7. Hospitality and Tourism	168	237	217	223	229	215
8. Human Services	12	18	30	19	24	21
9. Information Technology	<10	<10	<10	<10	<10	<10
10. Law, Public Safety, Corrections, and Security	24	29	37	33	28	30
11. Manufacturing	85	109	108	123	106	106
12. Science, Technology, Engineering, and Mathematics	49	59	67	70	60	61
13. Transportation, Distribution, and Logistics	175	208	169	202	175	186
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.31: Workforce Alignment of K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Are Employed in an Aligned Industry within One; Year of K-12 Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	453	531	564	544	543	527
Gender						
Female	140	205	199	176	176	179
Male	313	326	365	368	367	348
Race						
Black	171	255	253	223	225	225
White	256	260	288	291	289	277
Other	26	16	23	30	29	25
Race & Gender						
Black, Female	73	118	112	95	96	99
Black, Male	98	137	141	128	129	127
White, Female	57	82	79	72	71	72
White, Male	199	178	209	219	218	205
Other, Female	10	<10	<10	<10	<10	<10
Other, Male	16	11	15	21	20	17
Other Demographics						
1. Economically Disadvantaged	112	173	209	186	207	177
2. Children with Disabilities	18	26	27	30	35	27
3. English learner	<10	<10	<10	<10	10	<10
4. Homeless	<10	<10	<10	<10	<10	<10
Ecosystem of School						
Ecosystem 1	16	15	20	12	14	15
Ecosystem 2	83	82	86	101	92	89
Ecosystem 3	22	26	30	29	12	24
Ecosystem 4	53	57	41	58	68	55
Ecosystem 5	48	91	89	83	81	78
Ecosystem 6	85	81	78	72	67	77
Ecosystem 7	19	31	51	42	29	34
Ecosystem 8	127	148	169	147	180	154
WIOA Region of School						
Delta	38	41	50	41	26	39
MS Partnership	136	139	127	159	160	144
South Central	67	122	140	125	110	113

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	212	229	247	219	247	231
CTE Clusters						
1. Agriculture, Food, and Natural Resources	54	50	50	44	57	51
2. Architecture and Construction	28	25	43	33	30	32
3. Arts, A/V Technology, and Communications	<10	<10	<10	<10	<10	<10
4. Business, Marketing, and Finance	44	54	69	45	41	51
5. Education and Training	<10	<10	<10	<10	<10	<10
6. Health Science	19	25	27	24	27	24
7. Hospitality and Tourism	109	137	123	123	129	124
8. Human Services	11	13	21	18	16	16
9. Information Technology	<10	<10	<10	<10	<10	<10
10. Law, Public Safety, Corrections, and Security	11	15	16	20	11	15
11. Manufacturing	62	70	84	79	83	76
12. Science, Technology, Engineering, and Mathematics	16	20	26	26	32	24
13. Transportation, Distribution, and Logistics	102	124	102	129	114	114
14. CTE Dual Credit Multi-Category*	-	-	-	-	-	-

Table A3.1.32: Receipt of Public Assistance for K-12 CTE Participants; Number of K-12 CTE Participants Receive Public Assistance Benefits; within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	1,436	1,762	1,274	1,214	1,070	1,351
Gender						
Female	688	875	639	594	528	665
Male	748	887	635	620	542	686
Race						
Black	950	1,317	1,004	945	807	1,005
White	429	391	227	224	211	296
Other	57	54	43	45	52	50
Race & Gender						
Black, Female	469	683	522	464	411	510
Black, Male	481	634	482	481	396	495
White, Female	186	164	101	105	92	130
White, Male	243	227	126	119	119	167
Other, Female	33	28	16	25	25	25
Other, Male	24	26	27	20	27	25
Other Demographics						
1. Economically Disadvantaged	432	652	548	510	494	527
2. Children with Disabilities	57	79	93	71	89	78
3. English learner	10	<10	<10	13	16	10
4. Homeless	21	36	22	17	17	23
Ecosystem of School						
Ecosystem 1	79	104	79	51	64	75
Ecosystem 2	201	234	116	110	100	152
Ecosystem 3	157	182	182	194	126	168
Ecosystem 4	180	219	143	154	149	169
Ecosystem 5	197	309	232	266	198	240
Ecosystem 6	193	239	165	135	146	176
Ecosystem 7	136	163	147	122	97	133
Ecosystem 8	293	312	210	182	190	237
WIOA Region of School						
Delta	236	286	261	245	190	244
MS Partnership	381	453	259	264	249	321
South Central	333	472	379	388	295	373
Twin Districts	486	551	375	317	336	413

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
CTE Clusters						
1. Agriculture, Food, and Natural Resources	218	278	206	159	179	208
2. Architecture and Construction	207	243	158	156	114	176
3. Arts, A/V Technology, and Communications	57	74	71	68	59	66
4. Business, Marketing, and Finance	169	201	133	107	86	139
5. Education and Training	86	100	90	79	81	87
6. Health Science	157	220	151	155	144	165
7. Hospitality and Tourism	132	169	100	111	109	124
8. Human Services	100	156	97	150	113	123
9. Information Technology	23	18	35	24	21	24
10. Law, Public Safety, Corrections, and Security	91	102	87	81	96	91
11. Manufacturing	145	177	128	147	109	141
12. Science, Technology, Engineering, and Mathematics	85	85	61	70	60	72
13. Transportation, Distribution, and Logistics	162	177	106	91	88	125
14. CTE Dual Credit Multi-Category*	-	-	-	16	44	30
Public Assistance						
SNAP	1,018	1,279	1,244	1,185	1,056	1,156
TANF	14	11	10	<10	<10	10
UI	667	781	48	44	24	313

Table A3.1.33: Receipt of Public Assistance for K-12 CTE Concentrators; Number of K-12 CTE Concentrators Who Receive Public Assistance Benefits; within One Year of Graduation

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Total	885	1,034	767	734	645	813
Gender						
Female	413	519	394	356	309	398
Male	472	515	373	378	336	415
Race						
Black	567	754	599	565	472	591
White	280	248	151	141	139	192
Other	38	32	17	28	34	30
Race & Gender						
Black, Female	281	402	323	279	237	304
Black, Male	286	352	276	286	235	287
White, Female	112	100	68	64	57	80
White, Male	168	148	83	77	82	112
Other, Female	20	17	<10	13	15	14
Other, Male	18	15	14	15	19	16
Other Demographics						
1. Economically Disadvantaged	262	393	330	311	305	320
2. Children with Disabilities	31	39	61	39	53	45
3. English learner	<10	<10	<10	<10	<10	<10
4. Homeless	12	19	14	<10	10	12
Ecosystem of School						
Ecosystem 1	50	46	50	26	35	41
Ecosystem 2	114	111	65	57	46	79
Ecosystem 3	104	122	124	123	58	106
Ecosystem 4	97	113	66	86	82	89
Ecosystem 5	116	201	152	184	148	160
Ecosystem 6	127	132	81	69	88	99
Ecosystem 7	75	96	96	74	59	80
Ecosystem 8	202	213	133	115	129	158
WIOA Region of School						
Delta	154	168	174	149	93	148
MS Partnership	211	224	131	143	128	167
South Central	191	297	248	258	207	240

	AY2019	AY2020	AY2021	AY2022	AY2023	Average
Twin Districts	329	345	214	184	217	258
CTE Clusters						
1. Agriculture, Food, and Natural Resources	115	105	84	67	60	86
2. Architecture and Construction	120	147	94	90	66	103
3. Arts, A/V Technology, and Communications	33	36	41	35	29	35
4. Business, Marketing, and Finance	83	106	71	51	47	72
5. Education and Training	53	67	59	46	45	54
6. Health Science	88	122	92	85	76	93
7. Hospitality and Tourism	81	85	56	54	52	66
8. Human Services	72	103	70	114	85	89
9. Information Technology	15	10	12	<10	<10	10
10. Law, Public Safety, Corrections, and Security	38	48	45	42	50	45
11. Manufacturing	95	104	71	85	63	84
12. Science, Technology, Engineering, and Mathematics	30	33	27	19	30	28
13. Transportation, Distribution, and Logistics	88	90	59	58	45	68
14. CTE Dual Credit Multi-Category*	-	-	-	<10	29	18
Public Assistance						
SNAP	620	749	749	716	635	694
TANF	11	<10	<10	<10	<10	<10
UI	411	466	32	29	17	191

Table A3.1.34: Community College CTE Cluster Crosswalk

CIP Code	Course Title
1. Agriculture, Food, and Natural Resources	
010102	Agribusiness/Agricultural Business Operations
010201	Agricultural Mechanization, General
010299	Agricultural Mechanization, Other
010302	Animal/Livestock Husbandry and Production
010304	Crop Production
010601	Applied Horticulture/Horticulture Operations, General
010605	Landscaping and Groundskeeping
010607	Turf and Turfgrass Management
010907	Poultry Science
011105	Plant Protection and Integrated Pest Management
030511	Forest Technology/Technician
120506	Meat Cutting/Meat Cutter
510808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant
2. Architecture and Construction	
150101	Architectural Engineering Technology/Technician
150303	Electrical, Electronic and Communications Engineering Technology
150305	Telecommunications Technology/Technician
151001	Construction Engineering Technology/Technician
151102	Surveying Technology/Surveying
151301	Drafting and Design Technology/Technician, General
430303	Utility Line Worker
450702	Geographic Information Science and Cartography
460101	Mason/Masonry
460201	Carpentry/Carpenter
460301	Electrical and Power Transmission Installation/Installer, General
460302	Electrician
460303	Lineworker
460401	Building/Property Maintenance
460503	Plumbing Technology/Plumber
460504	Well Drilling/Driller
470101	Electrical/Electronics Equipment Installation and Repair, General
470105	Industrial Electronics Technology/Technician
470201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology
490202	Construction/Heavy Equipment/Earthmoving Equipment Operation

CIP Code	Course Title
521804	Selling Skills and Sales Operations
3. Arts, A/V Technology, and Communications	
100201	Photographic and Film/Video Technology/Technician and Assistant
100202	Radio and Television Broadcasting Technology/Technician
100299	Audiovisual Communications Technologies/Technicians, Other
110801	Web Page, Digital/Multimedia and Information Resources Design
500409	Graphic Design
500411	Game and Interactive Media Design
4. Business, Marketing, and Finance	
161603	Sign Language Interpretation and Translation
500408	Interior Designers
510707	Health Information/Medical Records Technology/Technician
510713	Medical Insurance Coding Specialist/Coder
510716	Medical Administrative/Executive Assistant and Medical Secretary
510799	Health and Medical Administrative Services, Other
520201	Business Administration and Management, General
520208	E-Commerce/Electronic Commerce
520302	Accounting Technology/Technician and Bookkeeping
520401	Administrative Assistant and Secretarial Science, General
520407	Business/Office Automation/Technology/Data Entry
520701	Entrepreneurship/Entrepreneurial Studies
520803	Banking and Financial Support Services
521401	Marketing/Marketing Management, General
521501	Real Estate
521902	Fashion Merchandising
5. Education and Training	
No Alignment with Community College Academic Majors	
6. Health Science	
510601	Dental Assisting/Assistant
510602	Dental Hygiene/Hygienist
510801	Medical/Clinical Assistant
510803	Occupational Therapist Assistant
510805	Pharmacy Technician/Assistant
510806	Physical Therapy Technician/Assistant

CIP Code	Course Title
510901	Cardiovascular Technology/Technologist
510904	Emergency Medical Technology/Technician (EMT Paramedic)
510908	Respiratory Care Therapy/Therapist
510909	Surgical Technology/Technologist
510910	Diagnostic Medical Sonography/Sonographer and Ultrasound Technician
510911	Radiologic Technology/Science - Radiographer
510917	Polysomnography
511004	Clinical/Medical Laboratory Technician
511801	Opticianry/Ophthalmic Dispensing Optician
512299	Public Health, Other
513501	Massage Therapy/Therapeutic Massage
513901	Licensed Practical/Vocational Nurse Training
513902	Nursing Assistant/Aide and Patient Care Assistant/Aide
7. Hospitality and Tourism	
120500	Culinary Arts and Related Services
120501	Baking and Pastry Arts/Baker/Pastry Chef
120508	Institutional Food Workers
520901	Hospitality Administration/Management, General
520903	Tourism and Travel Services Management
8. Human Services	
120301	Funeral Service Technology
120402	Barbering/Barber
120409	Aesthetician/Esthetician and Skin Care Specialist
120410	Nail Technician/Specialist and Manicurist
120413	Cosmetology, Barber/Styling, and Nail Instructor
190709	Child Care Provider/Assistant
9. Information Technology	
110201	Computer Programming/Programmer, General
110202	Computer Programming, Specific Applications
110802	Data Modeling/Warehousing and Database Administration
110901	Computer Systems Networking and Telecommunications
111003	Computer and Information Systems Security/Information Assurance
470104	Computer Installation and Repair Technology/Technician
520407	Business/Office Automation/Technology/Data Entry
521302	Business Statistics

CIP Code	Course Title
10. Law, Public Safety, Corrections, and Security	
030208	Natural Resources Law Enforcement and Protective Services
220302	Legal Assistant/Paralegal
220303	Court Reporting/Court Reporter
430199	Corrections and Criminal Justice, Other
430203	Fire Science/Fire-fighting
430106	Crime Scene Technician
439999	Homeland Security, Law Enforcement, Firefighting and Related
11. Manufacturing	
141901	Mechanical Engineering
144201	Mechatronics, Robotics, and Automation Engineering
150404	Instrumentation Technology/Technician
150406	Automation Engineer Technology/Technician
150499	Electromechanical and Instrumentation and Maintenance Technology
150612	Industrial Technology/Technician
150613	Manufacturing Engineering Technology/Technician
150699	Industrial Production Technologies/Technicians, Other
150701	Occupational Safety and Health Technology/Technician
150903	Petroleum Technology/Technician
190905	Clothing and Textile Service
460502	Pipefitting/Pipefitter and Sprinkler Fitter
469999	Construction Trades, Other
470303	Industrial Mechanics and Maintenance Technology
480501	Machine Tool Technology/Machinist
480508	Welding Technology/Welder
489999	Precision Production, Other
12. Science, Technology, Engineering, and Mathematics	
110804	Modeling, Virtual Environments and Simulation
150201	Civil Engineering Technology/Technician
151001	Construction Engineering Technology/Technician
151501	Engineering/Industrial Management
490202	Construction/Heavy Equipment/Earthmoving Equipment Operation
13. Transportation, Distribution, and Logistics	
430301	Homeland Security
470702	Hydrography Technology

CIP Code	Course Title
470302	Heavy Equipment Maintenance Technology/Technician
470603	Autobody/Collision and Repair Technology/Technician
470604	Automobile/Automotive Mechanics Technology/Technician
470605	Diesel Mechanics Technology/Technician
470607	Aviation Maintenance Technology
470615	Engine Machinist
490101	Aeronautics/Aviation/Aerospace Science and Technology, General
490104	Aviation/Airway Management and Operations
490105	Air Traffic Controller
490205	Commercial Truck Driving
490399	Marine Transportation, Other
520203	Logistics, Materials, and Supply Chain Management
521907	Vehicle and Vehicle Parts and Accessories Marketing Operations

Table A3.1.35: University CTE Cluster Crosswalk

CIP Code	Course Title
1. Agriculture, Food, and Natural Resources	
010000	Agriculture, Agriculture Operations, and Related Sciences
010101	Agricultural Business and Management, General
010102	Agribusiness/Agricultural Business Operations
010103	Agricultural Economics
010308	Agroecology and Sustainable Agriculture
010605	Landscaping and Groundskeeping
010901	Animal Sciences, General
010907	Poultry Science
011001	Food Science
011102	Agronomy and Crop Science
011103	Horticultural Science
030101	Natural Resources/Conservation, General
030502	Forest Sciences and Biology
030601	Wildlife, Fish and Wildlands Science and Management
040201	Architecture
040501	Interior Architecture
040601	Landscape Architecture
150101	Architectural Engineering Technology/Technician
150303	Electrical, Electronic and Communications Engineering Technology
150405	Robotics Technology/Technician
150612	Industrial Technology/Technician
150699	Industrial Production Technologies/Technicians, Other
151201	Computer Engineering Technology/Technician
490101	Aeronautics/Aviation/Aerospace Science and Technology, General
490102	Airline/Commercial/Professional Pilot and Flight Crew
522001	Construction Management
2. Architecture and Construction	
010000	Agriculture, Agriculture Operations, and Related Sciences
010101	Agricultural Business and Management, General
010102	Agribusiness/Agricultural Business Operations
010103	Agricultural Economics
010308	Agroecology and Sustainable Agriculture
010605	Landscaping and Groundskeeping
010901	Animal Sciences, General

CIP Code	Course Title
010907	Poultry Science
011001	Food Science
011102	Agronomy and Crop Science
011103	Horticultural Science
030101	Natural Resources/Conservation, General
030502	Forest Sciences and Biology
030601	Wildlife, Fish and Wildlands Science and Management
040201	Architecture
040501	Interior Architecture
040601	Landscape Architecture
150101	Architectural Engineering Technology/Technician
150303	Electrical, Electronic and Communications Engineering Technology
150405	Robotics Technology/Technician
150612	Industrial Technology/Technician
150699	Industrial Production Technologies/Technicians, Other
151201	Computer Engineering Technology/Technician
490101	Aeronautics/Aviation/Aerospace Science and Technology, General
490102	Airline/Commercial/Professional Pilot and Flight Crew
522001	Construction Management
3. Arts, A/V Technology, and Communications	
090101	Speech Communication and Rhetoric
090102	Mass Communication/Media Studies
090401	Journalism
090702	Digital Communication and Media/Multimedia
090902	Public Relations/Image Management
090903	Advertising
160101	Foreign Languages and Literatures, General
160102	Linguistics
160301	Chinese Language and Literature
160501	German Language and Literature
160901	French Language and Literature
160905	Spanish Language and Literature
161200	Classics and Classical Languages, Literatures, and Linguistics
240101	Liberal Arts and Sciences/Liberal Studies
240102	General Studies
309999	Multi-/Interdisciplinary Studies, Other
380101	Philosophy

CIP Code	Course Title
450101	Social Sciences, General
450201	Anthropology
450701	Geography
451101	Sociology
500101	Visual and Performing Arts, General
500102	Digital Arts
500301	Dance, General
500501	Drama and Dramatics/Theatre Arts, General
500703	Art History, Criticism and Conservation
500901	Music, General
501003	Music Management
540101	History, General
4. Business, Marketing, and Finance	
190901	Apparel and Textiles, General
450600	Economics
450901	International Relations and Affairs
520101	Business/Commerce, General
520201	Business Administration and Management, General
520301	Accounting
520701	Entrepreneurship/Entrepreneurial Studies
520801	Finance, General
521001	Human Resources Management/Personnel Administration, General
521101	International Business/Trade/Commerce
521201	Management Information Systems, General
521401	Marketing/Marketing Management, General
521499	Marketing, Other
521501	Real Estate
521701	Insurance
521902	Fashion Merchandising
529999	Business, Management, Marketing, and Related Support Service
5. Education and Training	
050102	American/United States Studies/Civilization
050122	Regional Studies (US, Canadian, Foreign)
050201	African-American/Black Studies
050207	Women's Studies
131001	Special Education and Teaching, General

CIP Code	Course Title
131003	Education/Teaching of Individuals with Hearing Impairments Including Deafness
131202	Elementary Education and Teaching
131205	Secondary Education and Teaching
131209	Kindergarten/Preschool Education and Teaching
131301	Agricultural Teacher Education
131303	Business Teacher Education
131305	English/Language Arts Teacher Education
131311	Mathematics Teacher Education
131312	Music Teacher Education
131314	Physical Education Teaching and Coaching
131316	Science Teacher Education/General Science Teacher Education
131317	Social Science Teacher Education
131399	Teacher Education and Professional Development, Specific Subject Areas
139999	Education, Other
190101	Family and Consumer Sciences/Human Sciences, General
190701	Human Development and Family Studies, General
190704	Family Systems
190706	Child Development
230101	English Language and Literature, General
250101	Library and Information Science
310501	Health and Physical Education/Fitness, General
310504	Sport and Fitness Administration/Management
310505	Kinesiology and Exercise Science
422806	Educational Psychology
6. Health Science	
190101	Family and Consumer Sciences/Human Sciences, General
190501	Foods, Nutrition, and Wellness Studies, General
510000	Health Professions and Related Programs
510201	Communication Sciences and Disorders, General
510203	Speech-Language Pathology/Pathologist
510204	Audiology/Audiologist and Speech-Language Pathology
510602	Dental Hygiene/Hygienist
510701	Health/Health Care Administration/Management
510706	Health Information/Medical Records Administration
510808	Veterinary/Animal Health Technology/Technician and Veterinary Assistant
510911	Radiologic Technology/Science - Radiographer
510913	Athletic Training/Trainer

CIP Code	Course Title
511005	Clinical Laboratory Science/Medical Technology/Technologist
511007	Histologic Technology/Histotechnologist
512005	Natural Products Chemistry and Pharmacognosy
512010	Pharmaceutical Sciences
512201	Public Health, General
512202	Environmental Health
512207	Public Health Education and Promotion
513101	Dietetics/Dietitian
513801	Registered Nursing/Registered Nurse
513899	Registered Nursing, Nursing Administration, Nursing Research
519999	Health Professions and Related Clinical Sciences, Other
7. Hospitality and Tourism	
120509	Culinary Science/Culinology
120599	Culinary Arts and Related Services, Other
310101	Parks, Recreation and Leisure Studies
310301	Parks, Recreation and Leisure Facilities Management, General
420101	Psychology, General
440701	Social Work
520901	Hospitality Administration/Management, General
520904	Hotel/Motel Administration/Management
8. Human Services	
120509	Culinary Science/Culinology
120599	Culinary Arts and Related Services, Other
310101	Parks, Recreation and Leisure Studies
310301	Parks, Recreation and Leisure Facilities Management, General
420101	Psychology, General
440701	Social Work
520901	Hospitality Administration/Management, General
520904	Hotel/Motel Administration/Management
9. Information Technology	
110101	Computer and Information Sciences, General
110301	Data Processing and Data Processing Technology/Technician
111002	System, Networking, and LAN/WAN Management/Manager
111003	Computer and Information Systems Security/Information Assurance
140101	Engineering, General
140201	Aerospace, Aeronautical and Astronautical/Space Engineering

CIP Code	Course Title
140501	Bioengineering and Biomedical Engineering
140701	Chemical Engineering
140801	Civil Engineering, General
140901	Computer Engineering, General
141001	Electrical and Electronics Engineering
141901	Mechanical Engineering
142401	Ocean Engineering
142501	Petroleum Engineering
143201	Polymer/Plastics Engineering
143501	Industrial Engineering
143901	Geological/Geophysical Engineering
149999	Engineering, Other
260101	Biology/Biological Sciences, General
260202	Biochemistry
260503	Medical Microbiology and Bacteriology
261302	Marine Biology and Biological Oceanography
270101	Mathematics, General
270501	Statistics, General
299999	Military Technologies and Applied Sciences, Other
300101	Biological and Physical Sciences
301101	Gerontology
400101	Physical Sciences
400401	Atmospheric Sciences and Meteorology, General
400501	Chemistry, General
400510	Forensic Chemistry
400599	Chemistry, Other
400601	Geology/Earth Science, General
400607	Oceanography, Chemical and Physical
400801	Physics, General
419999	Science Technologies/Technicians, Other
10. Law, Public Safety, Corrections, and Security	
220001	Pre-Law Studies
220302	Legal Assistant/Paralegal
430103	Criminal Justice/Law Enforcement Administration
430104	Criminal Justice/Safety Studies
430106	Forensic Science and Technology
440401	Public Administration

CIP Code	Course Title
440501	Public Policy Analysis, General
450401	Criminology
451001	Political Science and Government, General
451201	Urban Studies/Affairs
11. Manufacturing	
010000	Agriculture, Agriculture Operations, and Related Sciences
010101	Agricultural Business and Management, General
010102	Agribusiness/Agricultural Business Operations
010103	Agricultural Economics
010308	Agroecology and Sustainable Agriculture
010605	Landscaping and Groundskeeping
010901	Animal Sciences, General
010907	Poultry Science
011001	Food Science
011102	Agronomy and Crop Science
011103	Horticultural Science
030101	Natural Resources/Conservation, General
030502	Forest Sciences and Biology
030601	Wildlife, Fish and Wildlands Science and Management
040201	Architecture
040501	Interior Architecture
040601	Landscape Architecture
150101	Architectural Engineering Technology/Technician
150303	Electrical, Electronic and Communications Engineering Technology
150405	Robotics Technology/Technician
150612	Industrial Technology/Technician
150699	Industrial Production Technologies/Technicians, Other
151201	Computer Engineering Technology/Technician
490101	Aeronautics/Aviation/Aerospace Science and Technology, General
490102	Airline/Commercial/Professional Pilot and Flight Crew
522001	Construction Management
12. Science, Technology, Engineering, and Mathematics	
110101	Computer and Information Sciences, General
110301	Data Processing and Data Processing Technology/Technician
111002	System, Networking, and LAN/WAN Management/Manager
111003	Computer and Information Systems Security/Information Assurance

CIP Code	Course Title
140101	Engineering, General
140201	Aerospace, Aeronautical and Astronautical/Space Engineering
140501	Bioengineering and Biomedical Engineering
140701	Chemical Engineering
140801	Civil Engineering, General
140901	Computer Engineering, General
141001	Electrical and Electronics Engineering
141901	Mechanical Engineering
142401	Ocean Engineering
142501	Petroleum Engineering
143201	Polymer/Plastics Engineering
143501	Industrial Engineering
143901	Geological/Geophysical Engineering
149999	Engineering, Other
260101	Biology/Biological Sciences, General
260202	Biochemistry
260503	Medical Microbiology and Bacteriology
261302	Marine Biology and Biological Oceanography
270101	Mathematics, General
270501	Statistics, General
299999	Military Technologies and Applied Sciences, Other
300101	Biological and Physical Sciences
301101	Gerontology
400101	Physical Sciences
400401	Atmospheric Sciences and Meteorology, General
400501	Chemistry, General
400510	Forensic Chemistry
400599	Chemistry, Other
400601	Geology/Earth Science, General
400607	Oceanography, Chemical and Physical
400801	Physics, General
419999	Science Technologies/Technicians, Other
13. Transportation, Distribution, and Logistics	
010000	Agriculture, Agriculture Operations, and Related Sciences
010101	Agricultural Business and Management, General
010102	Agribusiness/Agricultural Business Operations
010103	Agricultural Economics

CIP Code	Course Title
010308	Agroecology and Sustainable Agriculture
010605	Landscaping and Groundskeeping
010901	Animal Sciences, General
010907	Poultry Science
011001	Food Science
011102	Agronomy and Crop Science
011103	Horticultural Science
030101	Natural Resources/Conservation, General
030502	Forest Sciences and Biology
030601	Wildlife, Fish and Wildlands Science and Management
040201	Architecture
040501	Interior Architecture
040601	Landscape Architecture
150101	Architectural Engineering Technology/Technician
150303	Electrical, Electronic and Communications Engineering Technology
150405	Robotics Technology/Technician
150612	Industrial Technology/Technician
150699	Industrial Production Technologies/Technicians, Other
151201	Computer Engineering Technology/Technician
490101	Aeronautics/Aviation/Aerospace Science and Technology, General
490102	Airline/Commercial/Professional Pilot and Flight Crew
522001	Construction Management

Table A3.1.36: K-12 CTE Cluster to Industry Crosswalk

NAICS Code	Industry Title
1. Agriculture, Food, and Natural Resources	
11	Agriculture, Forestry, Fishing and Hunting
23	Construction
42	Wholesale Trade
2. Architecture and Construction	
22	Utilities
23	Construction
54	Professional, Scientific, and Technical Services
3. Arts, A/V Technology, and Communications	
51	Information
71	Arts, Entertainment, and Recreation
4. Business, Marketing, and Finance	
42	Wholesale Trade
44-45	Retail Trade
52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
92	Public Administration
5. Education and Training	
61	Educational Services
6. Health Science	
62	Health Care and Social Assistance
7. Hospitality and Tourism	
44-45	Retail Trade
71	Arts, Entertainment, and Recreation
72	Accommodation and Food Services
81	Other Services (except Public Administration)
8. Human Services	
61	Educational Services

NAICS Code	Industry Title
62	Health Care and Social Assistance
81	Other Services (except Public Administration)
9. Information Technology	
51	Information
54	Professional, Scientific, and Technical Services
10. Law, Public Safety, Corrections, and Security	
54	Professional, Scientific, and Technical Services
56	Administrative and Support and Waste Management and Remediation Services
92	Public Administration
11. Manufacturing	
31-33	Manufacturing
12. Science, Technology, Engineering, and Mathematics	
21	Mining, Quarrying, and Oil and Gas Extraction
22	Utilities
23	Construction
31-33	Manufacturing
48-49	Transportation and Warehousing
54	Professional, Scientific, and Technical Services
56	Administrative and Support and Waste Management and Remediation Services
62	Health Care and Social Assistance
13. Transportation, Distribution, and Logistics	
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
54	Professional, Scientific, and Technical Services
56	Administrative and Support and Waste Management and Remediation Services
92	Public Administration