

The State of Career and Technical Education in Kentucky



Kentucky Department of
E D U C A T I O N

KENTUCKY CTE
EMPOWERED
Today's Career and Technical Education

The old “Vocational” Education



- Only for certain populations
- Limited program offerings
- High school focused
- Trained only to a specific occupational skill set

Today's Career and Technical Education



- 16 National Career Clusters and almost 150 state-approved pathways in KY
- Integrated with Core Academics through rigorous and relevant curriculum
- A multitude of early postsecondary opportunities and business partnerships
- Emphasis on foundational academic, employability, and occupational skills

Kentucky CAREER AND TECHNICAL EDUCATION PROGRAMS

Agricultural Education

Career pathways in agribusiness, agriculture power, structural and technical systems, animal, environmental, food and plant science, natural resource and processing systems.

Business & Marketing

Career pathways in accounting, administrative support, e-commerce, financial services, hospitality, travel, tourism and recreation, management and entrepreneurship, marketing, retail services and supply chain management.

Computer Science

Career pathways in additive manufacturing, computer programming, computer science, cybersecurity, data science, digital design and game development, information support and services, network administration, network security and web development.

Construction Technology

Career pathways in air conditioning, building construction, construction carpentry, electrical technology, heavy equipment sciences, masonry and plumbing technology.

Education & Training

Career pathways in teaching and learning in all levels of education designed to prepare students to become future educators.

Engineering Technology

Career pathways in energy, aerospace and automation, architectural, civil, electrical, structural and mechanical engineering, additive manufacturing, aircraft maintenance and flight and aeronautics.

Family & Consumer Sciences

Career pathways in consumer and family services, culinary and food services, early childhood education, fashion and interior design, food science and dietetics, fundamentals of teaching, and hospitality, travel, tourism and recreation.

Health Science

Career pathways in allied health, biomedical sciences, clinical medical assisting, dental assisting, EKG technology, emergency medical technology, medical administrative assisting, patient care technician, phlebotomy technician, pre-nursing and veterinary assistant.

JROTC

Junior Reserve Officers' Training Corps career pathways in U.S. Air Force, Army, Marine Corps and Navy.

Law & Public Safety

Career pathways in corrections, fire science/firefighting, homeland security, law-enforcement and pre-law studies.

Manufacturing

Career pathways in computer-aided design, computerized manufacturing and machining, industrial maintenance, metal fabrication, welding technology and wood manufacturing.

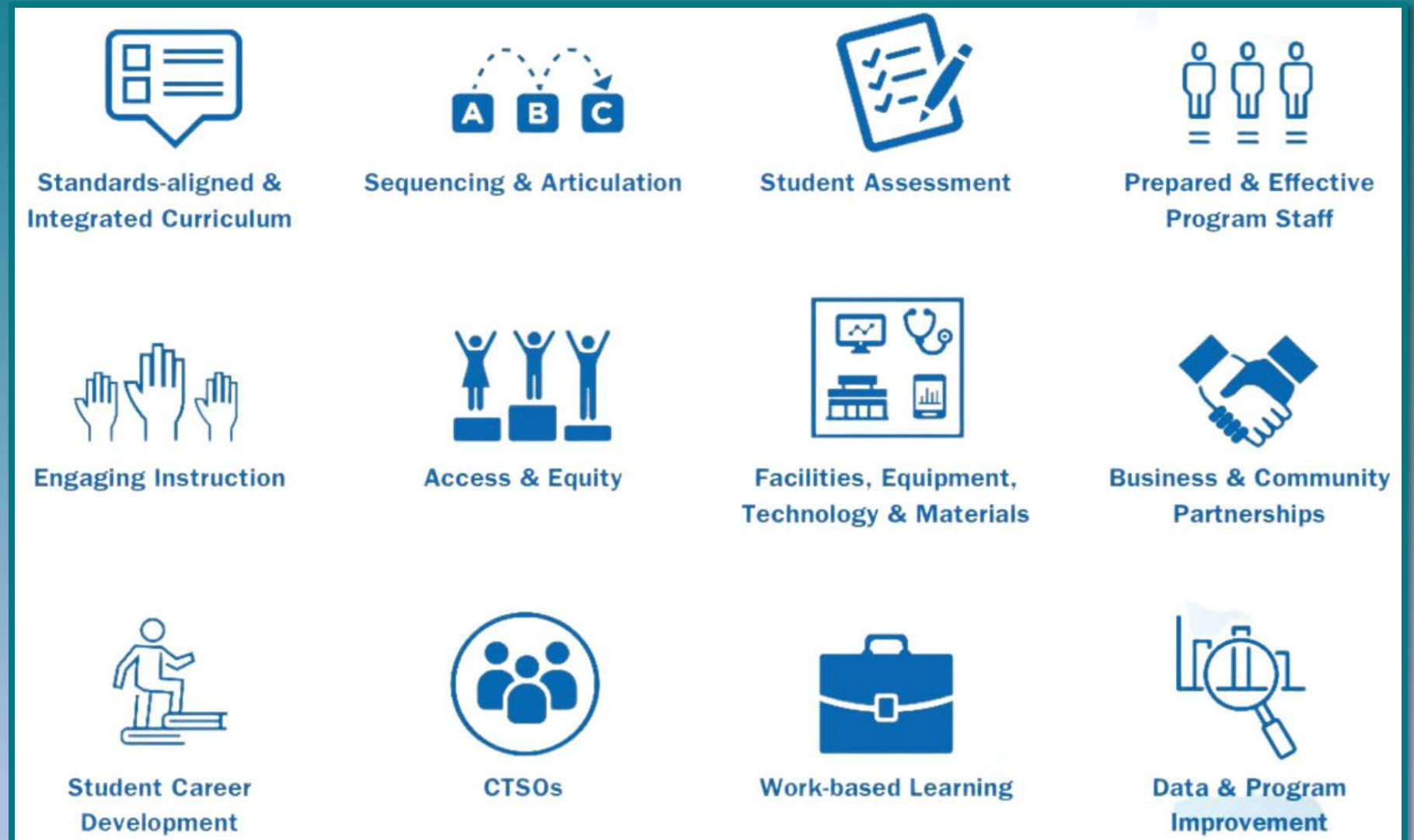
Media Arts

Career pathways in cinematography and video production, graphic design and interactive media.

Transportation

Career pathways in automotive maintenance, service, and engineering, collision repair and diesel/medium-heavy truck technology.

12 Elements of High-Quality CTE



Source: Association of Career and Technical Education (ACTE)

Seamless Pathways Grades 9–16

- Technical core courses ([secondary 4-course sequence](#))
- Aligned general education courses
- CTE academic and employability standards
- Accelerated and early postsecondary opportunities
 - Work-based learning
 - Industry-valued certifications
 - End-of-Program (EOP) assessments for articulated credit
 - CTE dual credit



2023-2024 CTE DATA FOR SECONDARY STUDENTS

143,415

*secondary students participated in CTE,
increasing from 143,146 in 2022-2023*



Over **26,000**
students graduated with at least one
postsecondary credential

CONCENTRATORS:

56%

*of students completed at least 2 credits in a
4-course pathway*

97%

of CTE concentrators graduated

77,438

*students participated
in a Career and
Technical student
organization (CTSO)*

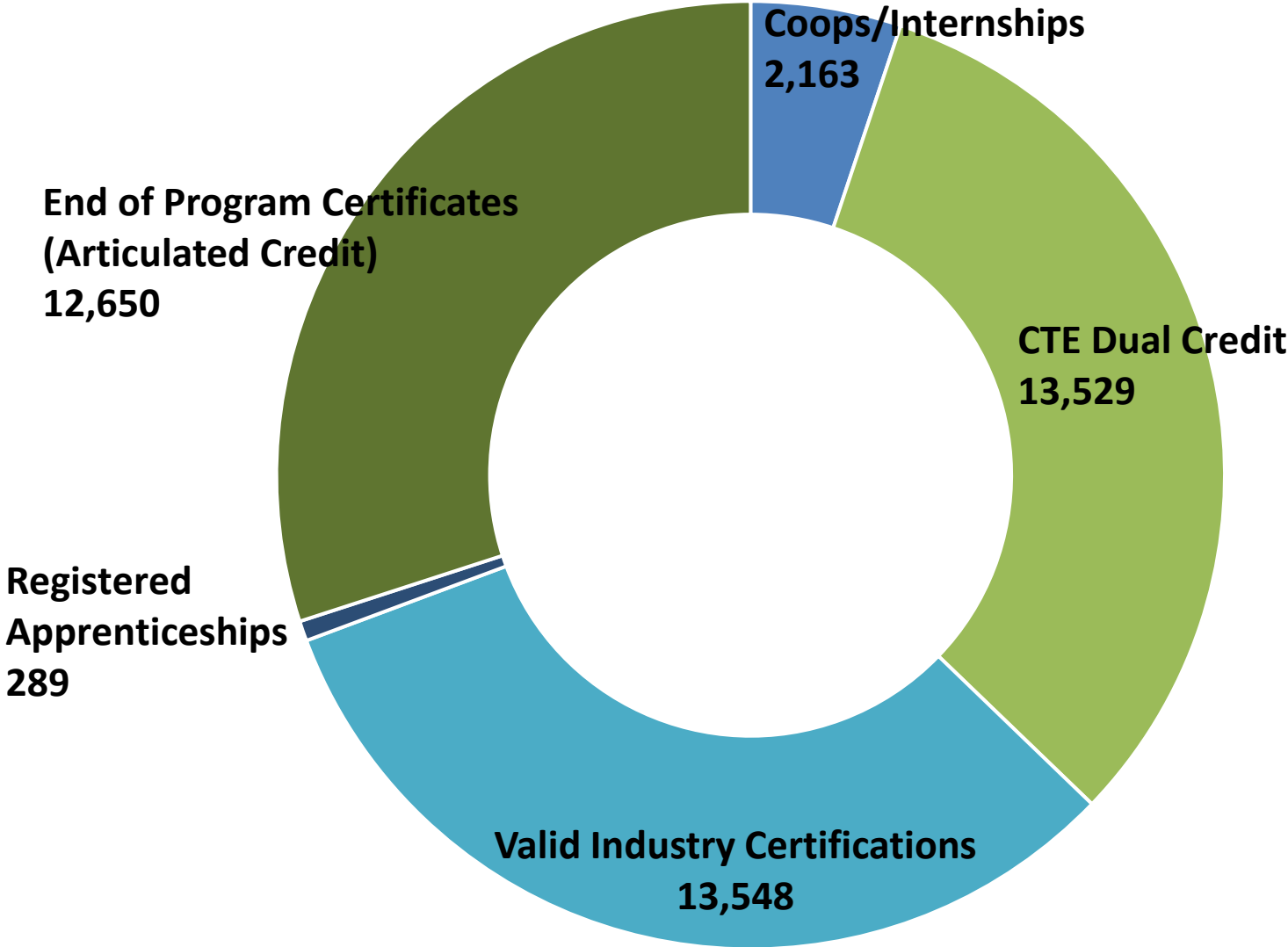


SOURCE: Infinite Campus and the Technical Education Database System (TEDS)



Kentucky Department of
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2023-2024 CAREER READINESS BY THE NUMBERS



*SOURCE: Infinite Campus and TEDS
Unduplicated 12th grade graduates*

High-Demand Industry Sectors

Current

- Healthcare
- Manufacturing and Logistics
- Construction
- Education
- Professional, Scientific, and Technical Services (PS&TS)

Previous

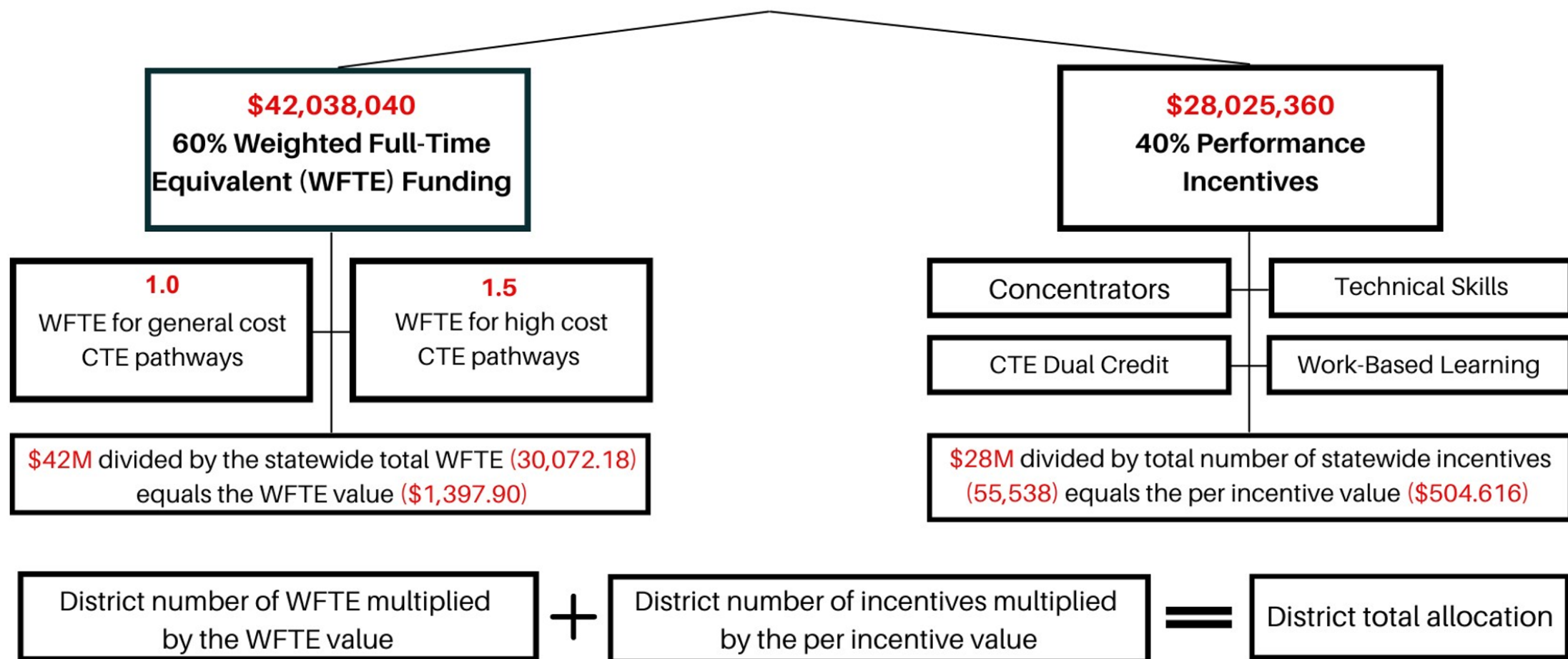
- Advanced Manufacturing
- Business and IT Services
- Construction and Trades
- Healthcare and Social Assistance
- Transportation, Distribution and Logistics

FY25 SUPPLEMENTAL CAREER AND TECHNICAL EDUCATION (CTE) FUNDING

PURSUANT TO KRS 157.069 AND 2024 HOUSE BILL 6

\$70,063,400

to locally operated CTE programs (HB 6) allocated pursuant to KRS 157.069



KCTCS “Going Pro” Signing Day

Students embarking on their professional careers will sign with employers.

March/April 2025- KCTCS

May 2025- CTE



2025 State Career and Technical Student Organization Competitions



[DECA: March 2-4](#)
[Hyatt Regency, Louisville](#)



[Educators Rising: March 5](#)
[Louisville](#)



[HOSA: March 20-22](#)
[Crowne Plaza, Louisville](#)



[TSA: March 23-26](#)
[Marriot, Downtown Louisville](#)



[FCCLA: March 23-25](#)
[Galt House Hotel, Louisville](#)




[FBLA: April 14-16](#)
[Galt House Hotel, Louisville](#)



[SkillsUSA: March 24-27](#)
[Crowne Plaza, Louisville](#)



[FFA: June 10-12](#)
[Lexington](#)



Kentucky schools offer a diverse selection of more than 135 unique career and technical education pathways! Board members are invited to visit with the Jessamine County Culinary and Food Services pathway students in the First Floor Training Room A.



CELEBRATE TODAY,
OWN TOMORROW!

KENTUCKY CTE
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Today's Career and Technical Education

CTE Month

Every February, the CTE community celebrates CTE Month® to raise awareness of the role that CTE has in readying learners for college and career success. It is also a time to recognize and celebrate the achievements and accomplishments of our CTE partners at the local, state and national level.



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