



**TENNESSEE**  
STATE BOARD OF EDUCATION

# **CTE AND WORKFORCE DEVELOPMENT STUDY COMMITTEE**

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November 21, 2022

# AGENDA

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- Opening and Welcome
- Relevant Policy Updates
- District and Industry Partnerships: Collierville Schools and Collierville Partners in Education
- District and TN College of Applied Technology Partnerships: Tipton County Schools and TCAT Northwest
- Final Discussion and Adjourn

# OPENING AND WELCOME

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COMMITTEE CHAIRMAN MR. JORDAN MOLLENHOUR

# **RELEVANT POLICY UPDATES**

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MR. MICHAEL DEURLEIN – STATE BOARD OF EDUCATION

# **INDUSTRY PROFESSIONAL PARTNERSHIPS**

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# HIGH SCHOOL AND MIDDLE GRADES POLICY RECOMMENDATIONS

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- To encourage expansion and depth of partnerships between school districts and industry partners, we have proposed language that details the ways in which the two entities can work together to support occupational programming in schools.
- Activities include, but are not limited to:
  - Direct engagement in the classroom alongside a teacher of record;
  - Serving as a career mentor to students;
  - Supporting in identifying relevant and industry-aligned supplemental materials;
  - Supporting in the development of unit plans and scope and sequences;
  - Hosting industry tours, walkabouts, and/or job shadowing opportunities; and
  - Providing opportunities for student internships.

# **INDUSTRY 4.0 DIPLOMA DISTINCTION**

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# PUBLIC CHAPTER 946

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- To support educational programs and offerings that align with the rapidly changing needs of industry, Public Chapter 946 of the Public Acts of 2022 created the Industry 4.0 diploma distinction.
- Law effective for 22-23 school year and thereafter.
- The Act directed the State Board to establish rules to support PC 946.
- During the July and October 2022 meetings of the State Board, the Department of Education brought forth revisions to the Graduation Requirements Rule to outline the Industry 4.0 diploma distinction requirements.
- During the October 2022 meeting of the State Board, the Department brought additional revisions to support implementation of Chapter 946.



# GRADUATION REQUIREMENTS RULE (0520-01-03 -.06)

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- The revisions to the Graduation Requirements Rule (in alignment with PC 946) require students pursuing an Industry 4.0 diploma distinction to:
  - Notify the counselor or school principal of intent to pursue the distinction before the end of the 10<sup>th</sup> grade year;
  - Enroll in at least one work-based learning or dual enrollment course for the 11<sup>th</sup> and 12<sup>th</sup> grade years;
  - Register with a regional American Job Center or other career counseling partner and engage monthly with a career coach; and
  - Complete at least 9 credits of work-based learning or dual enrollment credits prior to graduation.

# Industry Partnership Collierville Schools

Brett Heinrich - CTE Supervisor, Collierville Schools  
Cassie Foote - Executive Director, Collierville PIE

# Agenda

1

Overview of CTE  
Programs in  
Collierville Schools

2

Overview of PIE

3

Industry Partner  
Engagement Events

## CTE Quick Facts

- **34** Dual Enrollment Courses
- **19** Programs of Study
- **12 of 16** Career Clusters
- **3** Statewide Dual Credit Courses
- **1** Advanced Placement Courses
- **1** Honors Course
- **1** CLEP Course

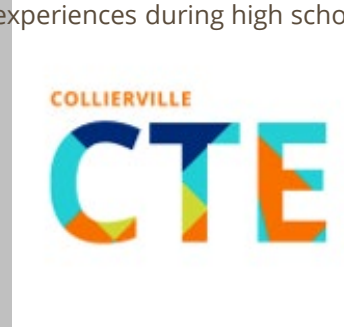
## Industry Credentials

Collierville Schools provides students the opportunity to earn industry credentials at either little or no cost to families:

- NC3 Lincoln Electric Welding
- AWS Certified Welder
- OSHA 10 General Industry
- Certified Nurses Aid
- ServSafe Manager
- CompTIA A+
- Certified Logistics Associate and Technician •ASE Maintenance and Light Repair Certification •More to come soon!

## What is CTE?

Career and Technical Education (CTE) courses offer students the opportunity to earn college and career experiences during high school.



## CTE Programs of Study

CHS currently offers multiple courses within the following CTE programs of study:

- Welding
- Horticulture Science
- Veterinary and Animal Science
- Residential and Commercial Construction
- Business Management
- Teaching as a profession
- Nursing Services
- Sport and Human Performance •Therapeutic Services
- Culinary Arts
- Cybersecurity
- Criminal Justice and Correction Services
- Entrepreneurship
- Supply Chain Management
- Advanced STEM Applications
- Engineering
- Automotive and Maintenance Light Repair
- Aviation Flight
- Aviation Mechanics

SCHOLARSHIP.  
INTEGRITY.  
SERVICE.



Career and Technical  
Education

Program

Guide

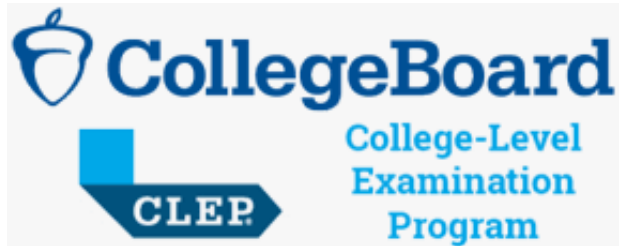
Brett Heinrich  
Career and Technical Education  
Supervisor

[www.ColliervilleSchools.org](http://www.ColliervilleSchools.org)



## Students Earning College Credit!

Collierville Schools has agreements with multiple post-secondary institutions to provide opportunities for students to earn college credit at little or no cost to families!



## HANDS-ON LEARNING IN ACTION!



Collierville Schools offers educational and employment opportunities without regard to race, color, creed, national origin, religion, sex, age or disability and adheres to the provisions of the Family Rights and Privacy Act (FERPA).



# PARTNERS IN EDUCATION

Our purpose as an organization is to connect education  
to the needs of business through:

1

## DEVELOPING

in demand skills in our  
future workforce

2

## CONNECTING

business/industry  
leaders to future  
employees

3

## PREPARING

students for life,  
whether that be college  
or career

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Student career entry success depends on engagement from the business community

# PIE Timeline

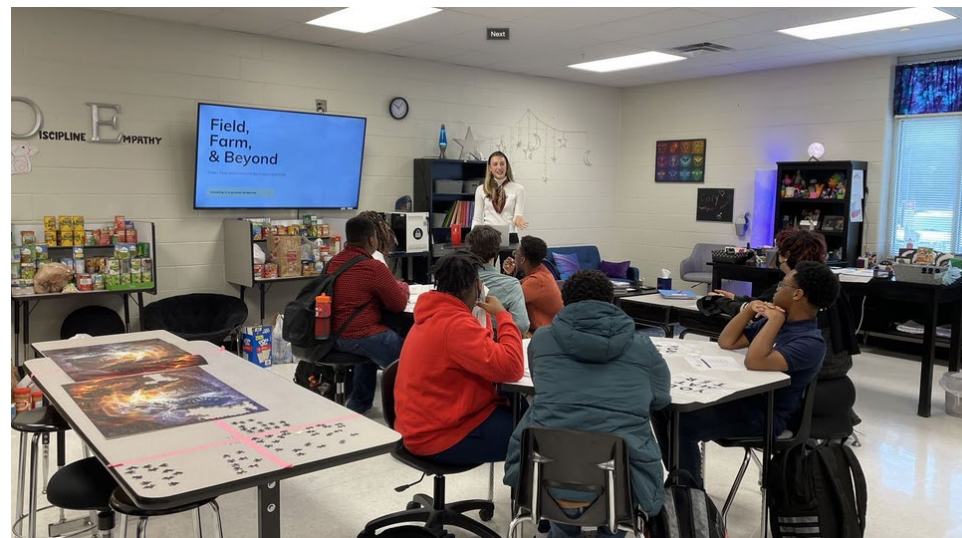






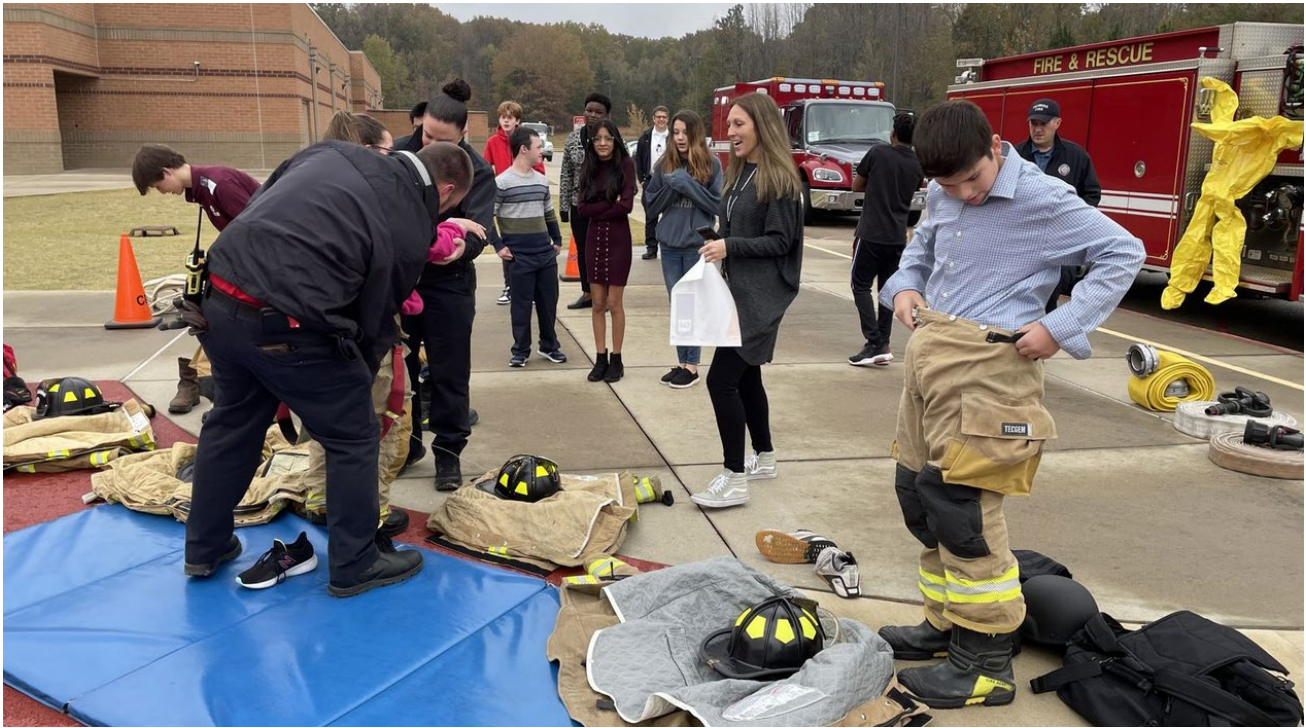
# Annual PIE Kickoff Meeting





# Middle School Career Day





# Middle School Career Days (cont.)





# Guest Speaker Events





# Guest Speaker Events (cont.)





# Teacher Externship PD







Teacher  
Externship PD  
(cont.)





# On the horizon...

## Expand WBL/Apprenticeships/Internships

Block schedule provides more opportunities for WBL for students/practicum courses. Currently working with FedEx (welding fabrication), Ford Motor Company, Methodist Hospital, and Carrier Corporation (mechatronics via ISM) to create these opportunities for students starting 23-24

## PIE --> WTWC

Expanding advisory councils by combining partnership efforts with local districts; will provide PLC communities for teachers and large bank of partners to pull from for involvement in programs

## Innovative School Models - Middle School

Career and Innovation Labs being added at both middle schools; leveraging partnerships for school-based enterprise models and VR career exploration.





# CTE and Workforce Development Study Committee

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November 21, 2022



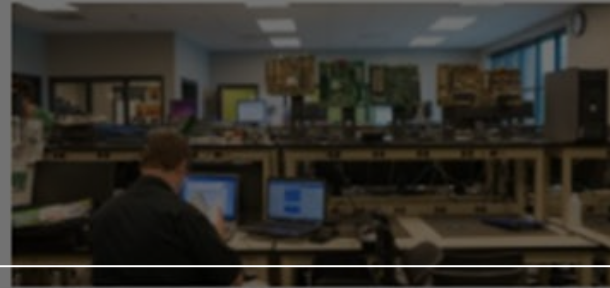
TENNESSEE COLLEGE  
OF APPLIED TECHNOLOGY  
NORTHWEST



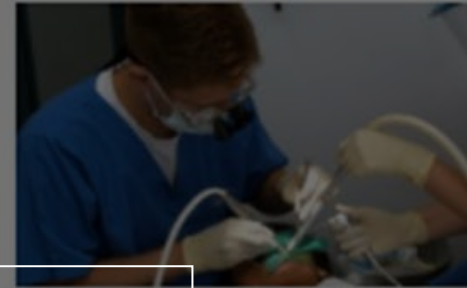
Administrative Office  
Technology



Automotive Technology



Computer Information  
Technology



Dental Assisting Techn



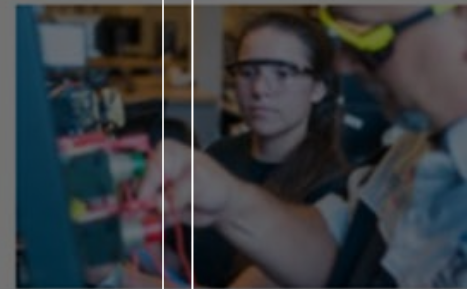
Digital Agronomy



Heating, Ventilation, Air  
Conditioning/Refrigeration



Hybrid Electrical Vehicle



Industrial Maintenance



Machine Tool Technology



Pharmacy Technology



Practical Nursing



Welding Technology

# Partnership Between TCS and TCAT

# Dual Enrollment Grant

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## Dual Enrollment Grant Funding Requirements:

1. A student qualifies to receive the Dual Enrollment Grant by meeting the admission requirements of the institution the student plans to attend and by applying for the grant as a resident of this state as a high school junior or senior or after completing the 8<sup>th</sup> grade requirements if enrolled at a Tennessee College of Applied Technology.
2. Students may enroll at two-year or four-year eligible postsecondary institution and continue receiving the Dual Enrollment Grant for up to ten (10) lifetime courses by maintaining all eligibility requirements and achieving a minimum cumulative 2.0 GPA for all postsecondary semester courses attempted as a recipient of the grant.
3. Students enrolled in a TN College of Applied Technology clock hour program may continue receiving the Dual Enrollment Grant by maintaining all eligibility requirements and achieving a minimum cumulative 2.0 GPA for up to 1296 clock hours.
4. For students enrolled at a TN College of Applied Technology, the award amount for a dual enrollment course is the average tuition estimated annually by the TN Board of Regents for regular in-state tuition, plus an additional dual enrollment access fee of five (5%) of the average tuition.

Program	Brighton HS	Covington HS	Munford HS
Administrative Office	0	4	2
Automotive	5	0	5
HVACR	2	3	7
Industrial Maintenance	3	8	2
Machine Tool	1	2	2
Pharmacy	6	0	2
Welding	3	1	7
TOTAL	20	18	27

Current Dual Enrollment Information – Covington Campus

Current Dual Enrollment  
Information -  
High School Campuses

- 30 Tipton County Seniors from the Class of 2022 returned to TCAT after graduation

<b>Program</b>	<b>High School</b>	<b>Number of Students</b>
Digital Agronomy	Covington	16
Welding	Covington	19
Digital Agronomy	Brighton	8
Total		43



# Looking Ahead...

- Continued partnership between Tipton County Schools and TCAT to increase DE Opportunities for students.
- Increase the number of DE Classes offered at each high school.



# Blue Oval City



## HYBRID ELECTRICAL VEHICLE

**Location**  
Covington Campus

**Class Schedule**  
Covington Campus  
Monday – Friday  
3:00 p.m. – 9:30 p.m.

**Program Length**  
16 Months

A Tennessee Board of Regents Institution  
AA/ADA/EEO Training Institution  
Accredited by Council on Occupational Education  
7840 Roswell Road, Building 300, Suite 325  
Atlanta, Georgia 30350  
(770) 396-3898  
(800) 917-2081

The Tennessee College of Applied Technology Covington does not discriminate based on race, color, national origin, sex, disability, or age in its programs or activities. See: <https://tcatnewbern.edu/about/non-discrimination-statement> for full non-discrimination policy.

\*Paid for in full or in part with funds provided by: The Strengthening Career and Technical Education in 21st Century Act (Perkins V)

### Hybrid Electrical Vehicle Course Outline

Award Titles	Hours	Awards
Automotive Electronics Technician	864	Certificate
Automotive Specialty Technician	1,296	Certificate
Alternative Fuel Vehicle Technician	1,728	Diploma

### Curriculum

Worker Characteristics	Safety
Electrical Theory	Automotive Electronics
AC & DC Theory I	Maintenance & Troubleshooting
Battery Technology	Power Inverter Systems
Electric Motors & Generators	Brakes
Suspension & Steering	Internal Combustion Engines
Electric Hybrid Fundamentals	Hybrid Vehicle Control Systems
HEV Maintenance & Troubleshoot	

### Program Costs

Tuition Per Term	\$ 1,336	Books, Tools & Supplies	\$3,391
Tuition Per Year	\$ 4,008		
Total Program Tuition	\$ 5,344		

\*Estimated for 2022-23 academic year. Prices subject to change.

### Admissions

- Complete an online application for enrollment at <https://tcatcovington.edu>. (Persons seeking admissions must be at least 18 years of age or be a high school graduate or GED/HiSet equivalent.)
- Complete FAFSA online at [www.fafsa.gov](http://www.fafsa.gov) (TCAT Covington school code 005280) (Students who do not wish to receive federal or state financial aid and wish to pay out of pocket are not required to fill out the FAFSA for admission.)
- Contact the school to check on the status of application.
- Register for Selective Service (if applicable).

### MISSION STATEMENT

The Tennessee Colleges of Applied Technology serve as the premier suppliers of workforce development throughout the State of Tennessee. The Colleges fulfill their mission by:

- Providing competency-based training through superior quality, traditional and distance learning instruction methods that qualify completers for employment and job advancement;
- Contributing to the economic and community development of the communities served by training and retraining employed workers;
- Ensuring that programs and services are economical and accessible to all residents of Tennessee; and
- Building relationships of trust with community, business, and industry leaders to supply highly skilled workers in areas of need.

# Barriers to dual enrollment

- State course codes do not always correspond with the course name/description from TCAT and TBR  
Ex: digital agronomy, industrial maintenance
- Course fees and supplies not included in dual enrollment grant funds can be a challenge for some students.
- Requirements for work-based learning can be challenging for a rural school system  
Ex: HOSA - the number of clinical settings required



# Contact Information

Tipton County Board of Education

(901) 476-7148

- Dr. John Combs, Superintendent

[jcombs@tipton-county.com](mailto:jcombs@tipton-county.com)

- Dr. Rebekah Byrd, Director of Instruction

[rbyrd@tipton-county.com](mailto:rbyrd@tipton-county.com)

- Steve Maclin, Attendance & Accountability Supervisor

[smaclin@tipton-county.com](mailto:smaclin@tipton-county.com)

TCAT Covington Campus

(901)475-2526

- Dr. Youlanda Jones, TCAT Northwest President

[Youlanda.Jones@tcatcovington.edu](mailto:Youlanda.Jones@tcatcovington.edu)

- Amanda Heath, TCAT Northwest Vice-President of Student Affairs

[Amanda.Heath@tcatcovington.edu](mailto:Amanda.Heath@tcatcovington.edu)



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NORTHWEST



# **FINAL DISCUSSION AND ADJOURN**

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COMMITTEE CHAIRMAN MR. JORDAN MOLLENHOUR

