



March 9, 2026

# Career and Technical Education (CTE)

Discover, Explore, Succeed

Pamela Smith, Director



# Mission

CTE provides high-quality instructional programs that will prepare students for college and careers by offering experiential learning, post-secondary credits and industry certifications. Students will gain technical and high-level academic skills, equipping them to be lifelong learners and contributing members of society.

# Career Clusters and Pathways

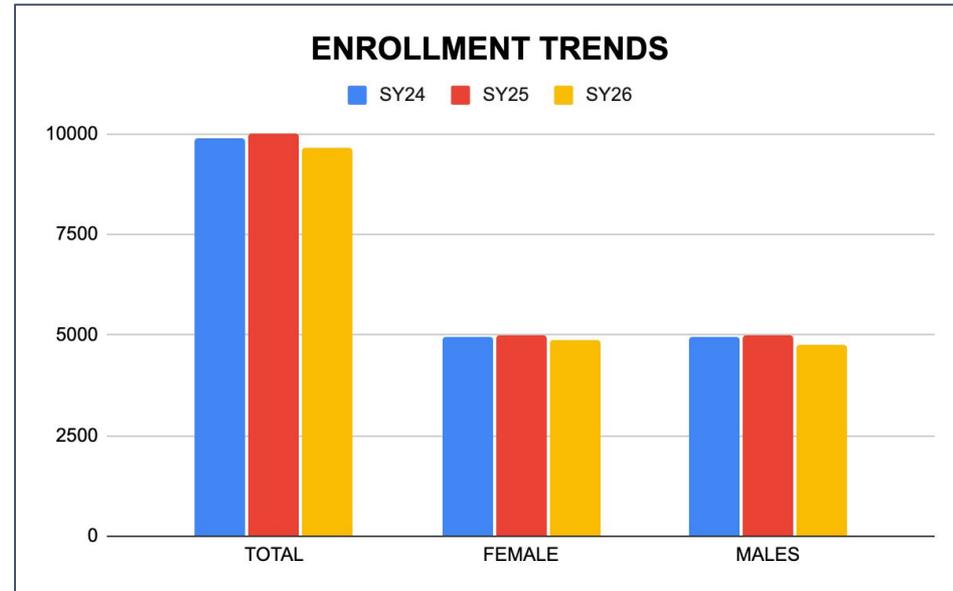
Career Cluster	Pathway
<b>Arts, Media &amp; Communication</b>	Interactive Media Production
<b>Business Management &amp; Finance</b>	Accounting, Business Administrative Services, Business Management, Business Marketing, and National Academy of Finance
<b>Construction &amp; Development</b>	Construction Design Management, Carpentry, Electrical, HVAC, Masonry, and Plumbing
<b>Consumer Services, Hospitality &amp; Tourism</b>	Barbering, Cosmetology, Culinary, and Food and Beverage Management (ProStart)
<b>Environmental, Agriculture &amp; Natural Resources</b>	Animal Science and Natural Resources
<b>Health &amp; Biosciences</b>	Certified Clinical Medical Assistant, Certified Nursing Assistant, Pharmacy Technician, and PLTW - Biomedical Science

# Career Clusters and Pathways

Career Cluster	Pathway
<b>Human Resource Services &amp; Public Safety</b>	Criminal Justice/Law Enforcement, Early Childhood Development Associate, Firefighter and Emergency Medical Technician, Homeland Security Science, JROTC-Air Force, JROTC - Army, JROTC - Navy, and Teacher Academy
<b>Information Technology</b>	CISCO Networking - Cyber Security, InTECS - Integrating Technology, Engineering, and Computer Science, Mobile Applications and Software Development - Apple, Oracle Academy - Database, and Oracle Academy - Java
<b>Manufacturing, Engineering &amp; Technology</b>	PLTW - Engineering
<b>Transportation Technologies</b>	Auto Body Repair, Automotive Technician
<b>Career Readiness and Development (CRD)</b>	Work-Based Learning
<b>Apprenticeship Maryland Program</b>	Registered Apprenticeships and Youth Apprenticeships

# Enrollment Trends

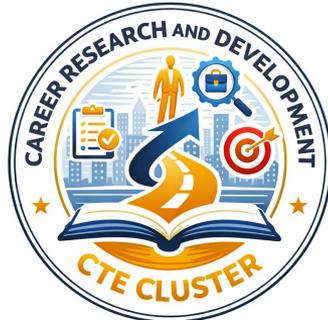
	<b>SY 2024</b>	<b>SY 2025</b>	<b>SY 2026</b>
All	9,889	9,997	9,642
Female	4,953	4,994	4,891
Male	4,936	5,003	4,751



# Top 5 Pathway Enrollment



6,699  
Participants



2,616  
Participants



723  
Participants



605  
Participants



445  
Participants

# PRINCE GEORGE'S COUNTY TOP 5 CAREER SECTORS

Aligned to **CTE Pathways**

**1**  
**PUBLIC ADMINISTRATION**



**69,900+ Jobs**

- Government & Policy
- Public Safety / Criminal Justice
- Law Enforcement
- JROTC • Homeland Security

**2**  
**HEALTHCARE & LIFE SCIENCES**



**61,500+ Jobs**

- Nursing & Medical Assisting
- Pharmacy Technician
- Biomedical Science
- Public Health

**3**  
**CONSTRUCTION & SKILLED TRADES**



**48,800+ Jobs**

- Electrical • HVAC
- Carpentry • Masonry
- Plumbing
- Construction Management

**4**  
**PROFESSIONAL & BUSINESS SERVICES**



**52,000+ Jobs**

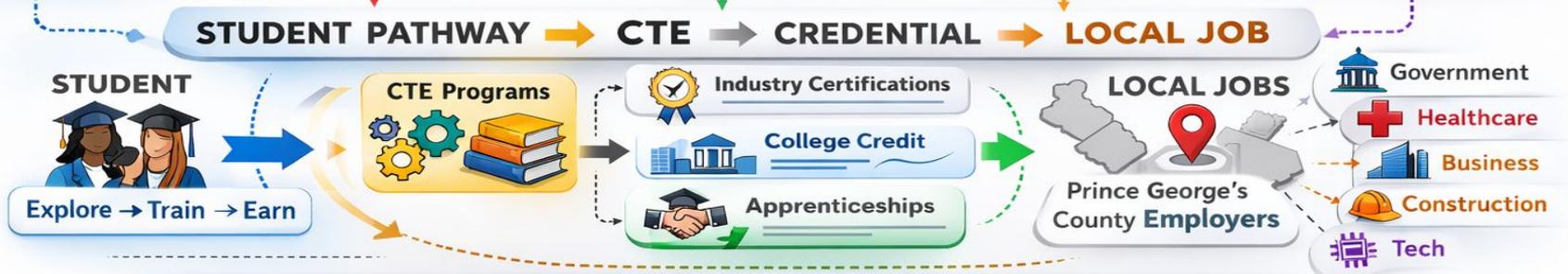
- Business Management
- Accounting • Finance
- Marketing • HR
- Entrepreneurship

**5**  
**INFORMATION TECHNOLOGY & CYBERSECURITY**



**35,000+ Jobs**

- Cybersecurity
- Software Development
- Networking & IT Support
- Data Analytics



Preparing Students for **College, Careers & the Local Workforce**



# Apprenticeships Enrollment SY26

Partner	Enrollment
International Union of Painters & Allied Trades DC51 (Registered)	4
Independent Electrical Contractors Chesapeake-IECC (Registered)	3
PGCPS Building Services Registered Apprenticeship Program (Registered)	2
Nemas Gardens, LLC (Youth)	1
Nitram Financial, LLC (Youth)	1
City of Laurel (Youth)	2
<b>Total</b>	<b>13</b>

# Paid Internship Enrollment SY26

Partner

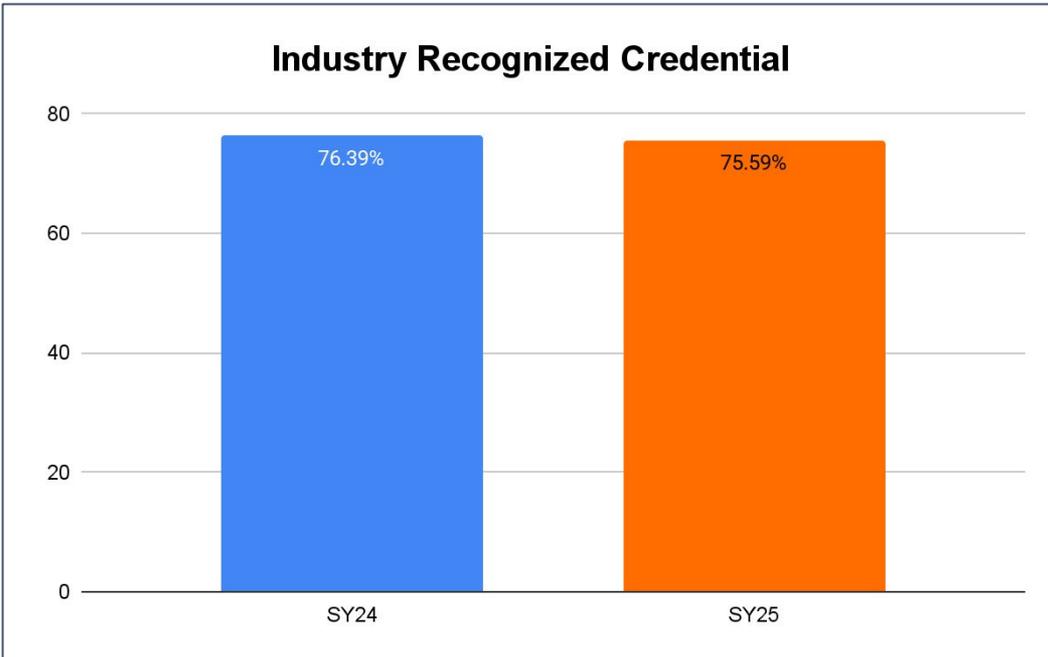
Enrollment

**Prince George's County Department  
of Human Services**

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**5**

# Industry Recognized Credentials



	SY24	SY25
Attempted	466	1,151
Passed	356	870
% Passed	76.39%	75.59%



# Thank you

## Questions?





# Appendix

# Benefits of CTE

- Provides industry-aligned skills and certifications
- Connects classroom learning to real career pathways
- Increases student engagement and graduation rates
- Offers dual enrollment, apprenticeships, and work-based learning
- Builds local workforce pipelines aligned to regional economic needs
- Supports college readiness and high-demand career entry

## CTE Middle College Pathways

### P-TECH

#### Pathways in Technology Early College High (P-TECH) Schools

- P-TECH is a 9-14 school model, which combines high school, college and work experience.
- Students complete Grades 9-14 which leads to an Associate's Degree.
- P-TECH provides authentic work experiences designed to prepare students for positions in an identified career field.

### Talent Ready

**TalentReady Prince George's ("TalentReady")**, is an early college partnership with Prince George's Community College. It is designed to expand student access to college, prepare students for careers in information technology, and meet the growing demand for local IT talent in the nation's capital. The program prepares students for one of four high school to career paths:

- Software development,
- Networking
- Data management, and
- Cybersecurity.

### Public Safety Academy

**The Public Safety Academy (PSA)** is a dual enrollment partnership with Prince George's Community College designed to provide a rigorous academic program and career preparation for those interested in public safety careers. Students graduate earning up to 30 college credits.

## 3DE-Business Marketing



**3DE**<sup>TM</sup>  
BY JUNIOR ACHIEVEMENT

## 3DE - Marketing

3DE re-engineers high school education to be more relevant, experiential, and authentically connected to the complexities of the real world to more fully prepare today's students for the demands of tomorrow's economy. By giving education real-world context, this program empowers, inspires and better prepares students for life after graduation. The 3DE learning model incorporates the Four C's:

- Cohorts
- Cases
- Collaboration
- Competencies

## Career-Connected Learning (CCL)

### CCL

Career-Connected Learning (CCL) experiences provide students with the opportunity to earn credit towards graduation while actively preparing for the transition to the world of work.



### Activities

- Virtual career exploration
- Interest inventories/career assessments
- Guest speakers
- Career fairs
- Workplace tours
- Summer exploration opportunities
- Informational interviews/job shadowing
- Mock interviews

### Activities

- Apprenticeship
- Internship
- State-Approved School-Based Enterprise
- Industry-Aligned Capstone Course



# Changes are Coming

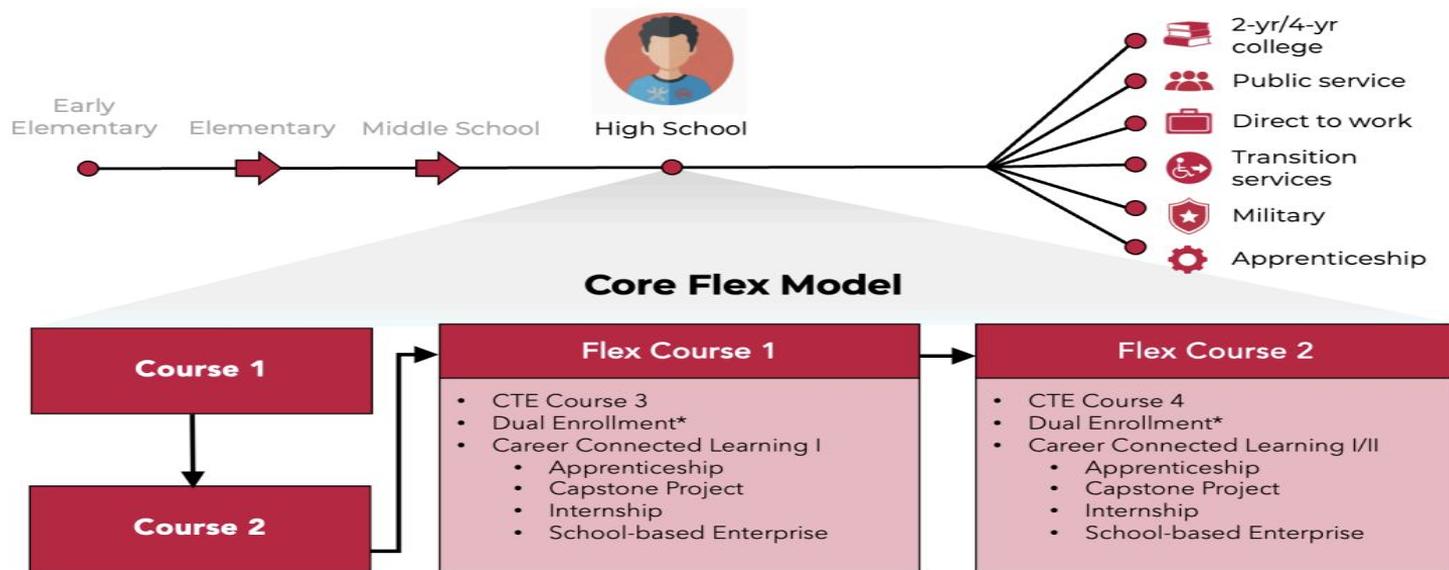
## Core-Flex Model

Maryland's CTE Core-Flex Model reimagines CTE by introducing a flexible option for students to complete a CTE program of study. Under this model, a traditional third and/or fourth CTE course may be replaced with a high-quality career-connected learning experience.

- 1 Advanced Placement
- 2 Dual Enrollment
- 3 Apprenticeship
- 4 Internship
- 5 Capstone Project
- 6 School-Based Enterprise



# Core Flex Model



# “Career & Technical Education



## Signature Programs

- CTE HUB @ Crossland HS
- P-TECH @ Douglass HS
- Junior Achievement-3DE
- TalentReady @ Largo HS
- Student Built House
- Amazon Future Ready
- Amazon Boot Up
- Registered Apprenticeship
- Youth Apprenticeship
- CTE Explorers Camp
- Entrepreneurship Camp



## Partnerships/Grants

- PGCC
- Howard University
- Bowie State University
- Capitol Tech
- UMD - ES/CP/GC
- PGCDF
- Visionary Media
- MSDE Innovation Grant
- P-Tech Grants
- Maryland Works Grant
- JP Chase/Morgan



## Problems We Solve

- College/Career Readiness
- Workforce Preparation
- Post-Secondary Affordability
- Increased Graduation Rates
- Increased PGCPSE Enrollment
- Grow Your Own Model