Rich History: CTE in Tennessee
CTE in Tennessee: In need of reform

Tennessee is at a critical stage in implementing a series of interconnected, statewide reforms.

- **2007**: TN gets “F” in “Truth in Advertising”
- **2009**: New graduation requirements implemented, assessment standards raised
- **2010**: Rigorous state standards adopted, Race to the Top awarded
- **2013**: Transition to career clusters, higher standards in place, revision of CTE standards begins
- **2018**: TN remains fastest improving on NAEP, Tennessee Pathways launches, realignment of workforce regions
CTE in Tennessee

Former: 7 Broad “Program Areas”

- Agriculture Education
- Business Technology
- Family & Consumer Sciences
- Health Science Education
- Marketing Education
- Technology Engineering Education
- Trade & Industrial

Current: 16 Nationally Recognized “Career Clusters”

- Agriculture, Food & Natural Resources
- Education & Training
- Hospitality & Tourism
- Manufacturing
- Architecture & Construction
- Finance
- Human Services
- Marketing
- Science, Technology, Engineering, & Mathematics
- Information Technology
- Business Management & Administration
- Health Science
- Law, Public Safety, Corrections & Security
- Transportation, Distribution & Logistics

Department of Education
## CTE in Tennessee

<table>
<thead>
<tr>
<th>Program of Study</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechatronics</td>
<td>Principles of Manufacturing (5922)</td>
<td>Digital Electronics (5925) -or- Robotics &amp; Automated Systems (6143) -or- Project Lead the Way (PLTW) Computer Integrated Manufacturing (6055)</td>
<td>Mechatronics I (6156) -or- Dual Enrollment Mechatronics (4063)</td>
<td>Mechatronics II (6157) -or- Manufacturing Practicum (5926) -or- Dual Enrollment Mechatronics (4063)</td>
</tr>
</tbody>
</table>

| Digital Arts & Design  | Digital Arts & Design I (6084)               | Digital Arts & Design II (6086)               | Digital Arts & Design III (6087) -or- Dual Enrollment Arts & Design (4078) | Applied Arts Practicum (6158) -and/or- AP Studio Art 2-D Design (3545) -or- Dual Enrollment Arts & Design (4078) |
# CTE in Tennessee: Then & Now

## Before Reforms

| Participation: | • Less that 26,000 students concentrate in CTE  
|               | • No incentives for earning EPSOs/industry credentials  
|               | • EPSO Participation ~ 20%  
| Alignment:    | • Only 26% of students concentrate in a CTE program leading directly to a regional high-demand occupation  
| Outcomes:     | • Postsecondary enrollment gap  
|               | • ACT composite below average |

## 2018 Results

| Participation: | • Over 37,000 students concentrate in CTE  
|               | • Accountability for readiness using EPSOs/industry credentials  
|               | • EPSO participation > 50%  
| Alignment:    | • 76% of CTE programs directly aligned to regional labor market needs  
|               | • Growth of in-demand industries (Advanced Manufacturing 300%)  
| Outcomes:     | • Postsecondary enrollment gap closed  
|               | • ACT composite above average |
Rethinking CTE through Perkins V

Expand opportunities for every student to explore, choose, and follow vertically-integrated programs of study and career pathways which lead to quality industry certification and early postsecondary credit attainment.
CTE in Tennessee: Pathways

Tennessee Pathways is the K-12 strategy to ensure more students are contributing to the Drive to 55 attainment goal.

Perkins V:
Size, Scope, & Quality
State Performance

ESSA:
Ready Graduate

WIOA: Workforce & Economic Development
Sector Strategies, In-School & Opportunity Youth, Community Partnerships
CTE in Tennessee: So, What’s Next?

**Equity**
- Data deep dives for diagnostics
- Strategic action planning

**Work-Based Learning & Apprenticeships**
- Program models
- Quality placements

**Innovation & Success**
- Teacher prep
- HS redesign
- Focus on student outcomes