

WHAT IS CCTE?

COLLEGE, CAREER, AND TECHNICAL EDUCATION

WHAT IS CCTE?

- The **Carl D. Perkins Vocational and Technical Education Act** was first authorized by the federal government in 1984 and reauthorized in 1998, 2006 and 2018.
- Named for Carl D. Perkins, the act aims to increase the quality of technical education within the United States in order to help the economy.

WHAT IS CCTE?

- On July 26, 2018 President Donald J. Trump signed into law the re-authorization of the Act of 2006.
- The new law, the **Carl D. Perkins Career and Technical Education Improvement Act of 2018**, was passed almost unanimously by Congress in late July 2018.

WHAT IS CCTE?

- The new law includes three major areas of revision:
 - 1) Using the term "career and technical education" instead of "vocational education."
 - 2) Maintaining the Tech Prep program as a separate federal funding stream within the legislation.
 - 3) Maintaining state administrative funding at 5 percent of a state's allocation.

WHAT IS CCTE?

- The new law also includes new requirements for “programs of study” that link academic and technical content across secondary and post-secondary education and strengthened local accountability provisions that will ensure continuous program improvement.

WHAT IS CCTE?

- The Perkins Act provides almost \$1.3 billion in federal support for career and technical education programs in all 50 States, including support for integrated career pathways programs.
- The law was extended through 2021.
- It is currently awaiting further extension and is being lobbied by technology companies like IBM.

CCTE IN TENNESSEE

- Tennessee's College, Career, & Technical Education consists of 16 nationally recognized career clusters with the ultimate goal of preparing students for success at the postsecondary level and in their chosen careers.

CAREER CLUSTERS

- Tennessee's career clusters are organized into 16 broad categories that encompass virtually all occupations from entry through professional levels and are aligned with the U.S. Department of Education's structure of career and technical education (CTE).
- Career clusters identify the knowledge and skills needed to follow a pathway toward career goals and provide a context for exploring the many occupational options available.
- Note that each cluster is divided into different pathways that are grouped by the knowledge and skills required for occupations in these career fields.

Choose Your Pathway to Success Tennessee's 16 Career Clusters



LEAD
CONFERENCE

2017



Career Clusters

Advanced Manufacturing

Agriculture, Food, & Natural Resources

Architecture & Construction

Arts, A/V Technology, & Communications

Business Management & Administration

Education & Training

Finance

Government & Public Administration

Health Science

Hospitality & Tourism

Human Services

Information Technology

Law, Public Safety, Corrections, & Security

Marketing

STEM

Transportation, Distribution, & Logistics

ADVANCED MANUFACTURING

- Machining Technology
- Electromechanical Technology
- Mechatronics
- Welding

AGRICULTURE, FOOD, & NATURAL RESOURCES

- Veterinary and Animal Science
- Agricultural Engineering and Applied Technologies
- Agribusiness
- Food Science
- Horticulture Science
- Environmental and Natural Resource Management

ARCHITECTURE & CONSTRUCTION

- Residential & Commercial Construction
- **Structural Systems**
- Mechanical, Electrical, & Plumbing (MEP) Systems
- Architectural & Engineering Design
- Interior Design

ARTS, A/V TECHNOLOGY, & COMMUNICATIONS

- Digital Arts & Design
- **Audio/Visual Production**
- Fashion Design

BUSINESS MANAGEMENT & ADMINISTRATION

- **Business Management**

- Health Services Administration
- Human Resource Management
- Office Management

EDUCATION & TRAINING

- **Early Childhood Education Careers (Pre-K-4)**
 - Educational Therapy and Support
 - Teaching as a Profession (K-12)

FINANCE

- Accounting
- Banking and Finance

GOVERNMENT & PUBLIC ADMINISTRATION

- Public Management and Administration

HEALTH SCIENCE

- Diagnostic Services
- Emergency Services
- **Nursing Services**
- Public Health
- Sport and Human Performance
- **Therapeutic Services**

HOSPITALITY & TOURISM

- Culinary Arts
- Hospitality & Tourism Management

HUMAN SERVICES

- Human and Social Sciences
- Dietetics and Nutrition
- **Cosmetology**
- Barbering

INFORMATION TECHNOLOGY

- **Cybersecurity**

- Networking Systems
- Coding
- Web Design

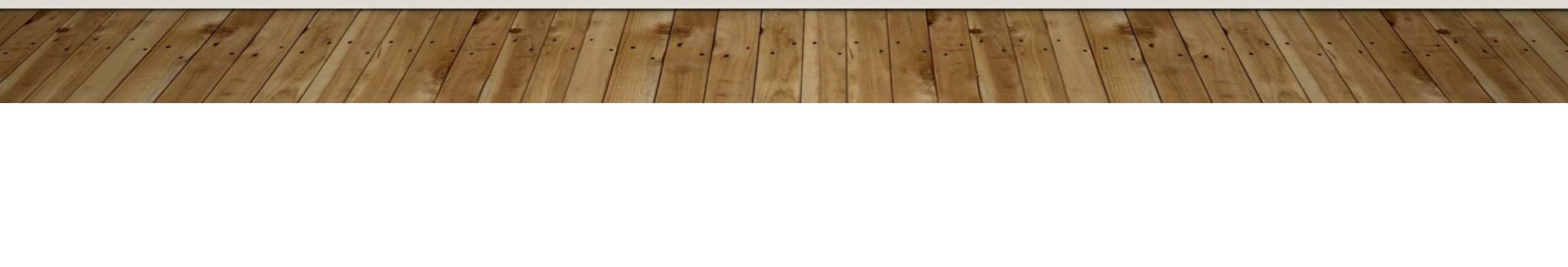
LAW, PUBLIC SAFETY, CORRECTIONS, & SECURITY

- **Criminal Justice and Correction Services**
- Fire Management Services
- Pre-Law

MARKETING

- **Marketing Management**
- **Entrepreneurship**
- Supply Chain Management

STEM

- Engineering by Design
 - Engineering
 - Technology
 - Advanced STEM Applications
 - Project Lead the Way
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TRANSPORTATION, DISTRIBUTION, & LOGISTICS

- **Automotive Maintenance and Light Repair**
- Automotive Collision Repair
- Aviation Flight
- Distribution and Logistics

THIS CLASS

- Career Cluster:
 - Architecture and Construction
 - Program of Study:
 - Structural Systems

ARCHITECTURE & CONSTRUCTION

- Residential & Commercial Construction
- **Structural Systems**
- Mechanical, Electrical, & Plumbing (MEP) Systems
- Architectural & Engineering Design
- Interior Design

STRUCTURAL SYSTEMS CAREER CLUSTER

Program of Study	Level One	Level Two	Level Three
Structural Systems	Fundamentals of Construction (6073)	Structural Systems I (6164)	Structural Systems II (6165)
Industry Certification	NCCER Core Curriculum	NCCER Carpentry Level One: Carpentry Fundamentals	NCCER Carpentry Level Two: Carpentry Framing and Finishing